

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063093.D
 Acq On : 24 Aug 2020 14:15
 Operator : JC/MD
 Sample : VN0824WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 12:14:26 PM

Quant Time: Aug 25 01:06:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	169957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	111159	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.55	113	90513	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	10.06	98	346866	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.38	95	123617	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	45096	20.473	ug/l	96
3) Chloromethane	2.03	50	50350	21.606	ug/l	99
4) Vinyl Chloride	2.16	62	48991	21.739	ug/l	96
5) Bromomethane	2.48	94	20250	15.138	ug/l	98
6) Chloroethane	2.59	64	29783	22.383	ug/l	99
7) Trichlorofluoromethane	2.93	101	59186	21.059	ug/l	98
8) Diethyl Ether	3.37	74	20202	20.319	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.69	101	29335	19.371	ug/l	98
10) Methyl Iodide	3.89	142	36186	18.851	ug/l	99
11) Tert butyl alcohol	4.78	59	17948	62.905	ug/l	98
12) 1,1-Dichloroethene	3.67	96	27456	19.032	ug/l	98
13) Acrolein	3.57	56	2125	23.774	ug/l #	73
14) Allyl chloride	4.26	41	49275	19.372	ug/l	97
15) Acrylonitrile	4.93	53	88223	105.202	ug/l	99
16) Acetone	3.78	43	64011	99.545	ug/l	96
17) Carbon Disulfide	3.99	76	69498	18.395	ug/l	97
18) Methyl Acetate	4.28	43	43196	21.579	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	109392	21.743	ug/l	100
20) Methylene Chloride	4.49	84	37648	20.409	ug/l	97
21) trans-1,2-Dichloroethene	4.97	96	29752	19.706	ug/l	98
22) Diisopropyl ether	5.90	45	126082	21.843	ug/l	95
23) Vinyl Acetate	5.84	43	394173	101.195	ug/l	100
24) 1,1-Dichloroethane	5.79	63	65970	20.452	ug/l	99
25) 2-Butanone	6.80	43	106527	99.614	ug/l	96
26) 2,2-Dichloropropane	6.77	77	51561	20.326	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	37435	19.782	ug/l	98
28) Bromochloromethane	7.15	49	35410	20.981	ug/l	98
29) Tetrahydrofuran	7.17	42	71468	103.548	ug/l	99
30) Chloroform	7.33	83	66572	20.493	ug/l	97
31) Cyclohexane	7.61	56	57970	19.526	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	54428	20.522	ug/l	98
36) 1,1-Dichloropropene	7.75	75	43691	18.931	ug/l	99
37) Ethyl Acetate	6.88	43	42844	19.812	ug/l	98
38) Carbon Tetrachloride	7.73	117	45336	19.457	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	48392	16.608	ug/l	97
40) Benzene	8.00	78	143992	19.671	ug/l	98
41) Methacrylonitrile	7.12	41	20225	19.629	ug/l #	93
42) 1,2-Dichloroethane	8.09	62	50899	20.709	ug/l	98
43) Isopropyl Acetate	8.13	43	71697	20.012	ug/l #	91
44) Trichloroethene	8.80	130	34610	19.008	ug/l	98
45) 1,2-Dichloropropane	9.09	63	42380	20.029	ug/l	99
46) Dibromomethane	9.18	93	24938	20.402	ug/l	98
47) Bromodichloromethane	9.37	83	53281	19.902	ug/l	100
48) Methyl methacrylate	9.17	41	34532	20.371	ug/l	97
49) 1,4-Dioxane	9.18	88	6287	181.256	ug/l #	88
51) 4-Methyl-2-Pentanone	9.96	43	244322	107.888	ug/l	98
52) Toluene	10.12	92	90122	20.410	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	56874	20.543	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	61840	20.362	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	39779	21.068	ug/l	98
56) Ethyl methacrylate	10.40	69	52869	19.239	ug/l	96
57) 1,3-Dichloropropane	10.68	76	64439	20.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	65531	100.123	ug/l	99
59) 2-Hexanone	10.73	43	168481	106.660	ug/l	97
60) Dibromochloromethane	10.87	129	41831	20.020	ug/l	99
61) 1,2-Dibromoethane	10.98	107	38294	21.108	ug/l	99
64) Tetrachloroethene	10.60	164	30966	18.638	ug/l	98
65) Chlorobenzene	11.41	112	99942	19.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	38570	19.535	ug/l	99
67) Ethyl Benzene	11.49	91	167404	19.517	ug/l	100
68) m/p-Xylenes	11.60	106	127877	40.114	ug/l	99
69) o-Xylene	11.92	106	61535	20.101	ug/l	100
70) Styrene	11.94	104	108211	19.051	ug/l	99
71) Bromoform	12.10	173	32035	20.384	ug/l #	100
73) Isopropylbenzene	12.23	105	164737	19.497	ug/l	99
74) N-amyl acetate	12.05	43	66423	21.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	60286	21.139	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	51134m	21.321	ug/l	
77) Bromobenzene	12.50	156	46203	19.883	ug/l	98
78) n-propylbenzene	12.57	91	188780	19.602	ug/l	99
79) 2-Chlorotoluene	12.65	91	116754	19.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	137863	19.738	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	18221	20.866	ug/l	97
82) 4-Chlorotoluene	12.75	91	120199	19.487	ug/l	97
83) tert-Butylbenzene	12.97	119	115607	19.177	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	130380	19.161	ug/l	100
85) sec-Butylbenzene	13.15	105	151619	18.610	ug/l	99
86) p-Isopropyltoluene	13.26	119	129527	18.246	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	81136	20.316	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	81564	20.122	ug/l	99
89) n-Butylbenzene	13.59	91	100534	16.884	ug/l	99
90) Hexachloroethane	13.85	117	27247	18.058	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	79700	20.660	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9691	22.774	ug/l	99

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ClientSampleId :
VN0824WBSD01

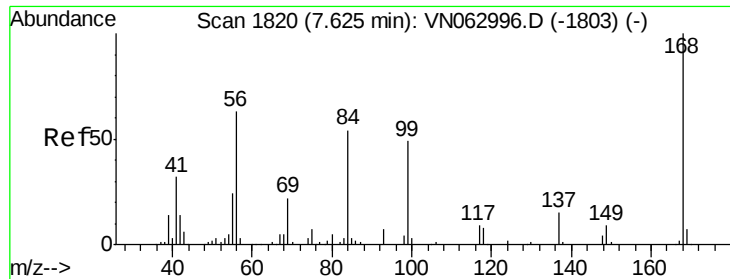
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	34605	19.257	ug/l	98
94) Hexachlorobutadiene	14.98	225	22809	16.001	ug/l	98
95) Naphthalene	15.11	128	76214	19.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31955	18.001	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion:168 Resp: 169957

Ion Ratio Lower Upper

168 100

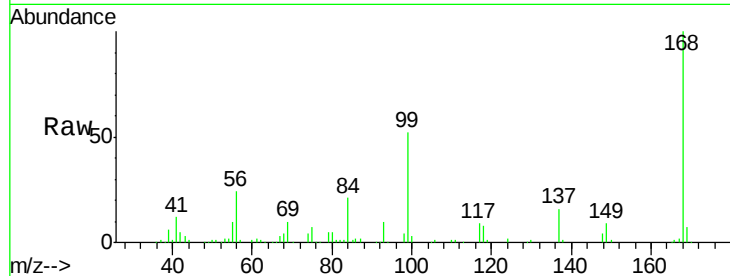
99 52.2 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

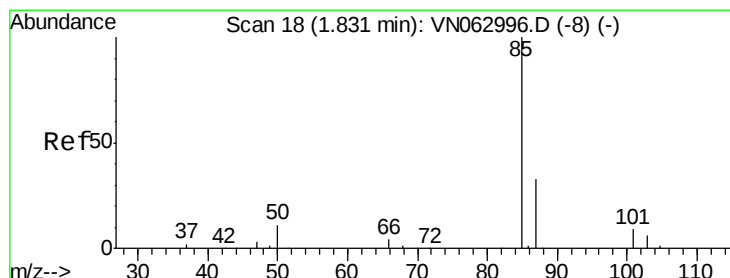
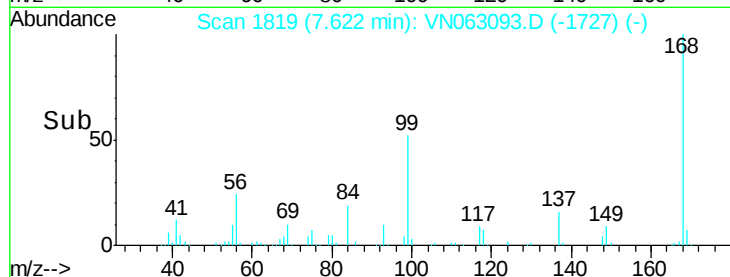
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.473 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN063093.D

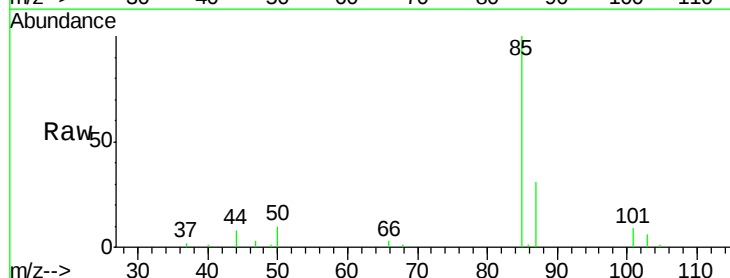
Acq: 24 Aug 2020 14:15

Tgt Ion: 85 Resp: 45096

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

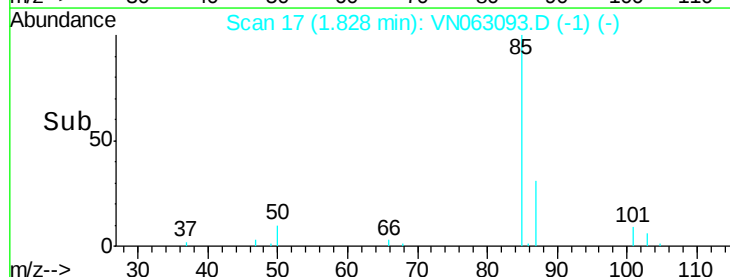
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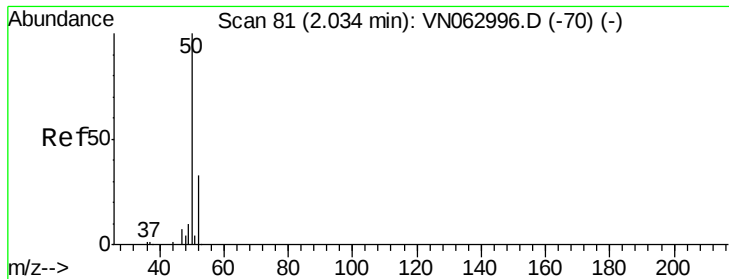
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 21.606 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 50 Resp: 50350

Ion Ratio Lower Upper

50 100

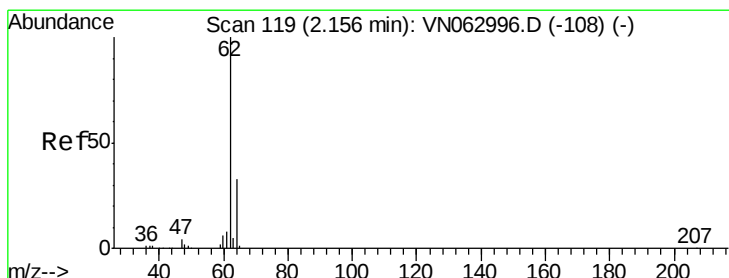
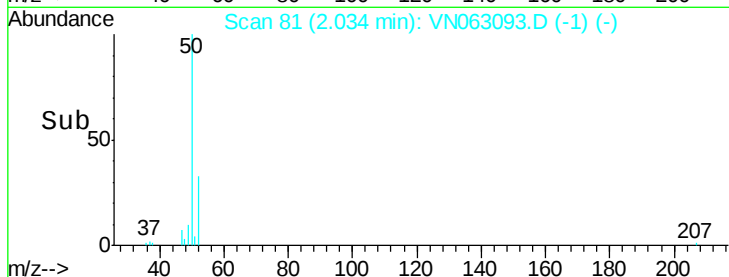
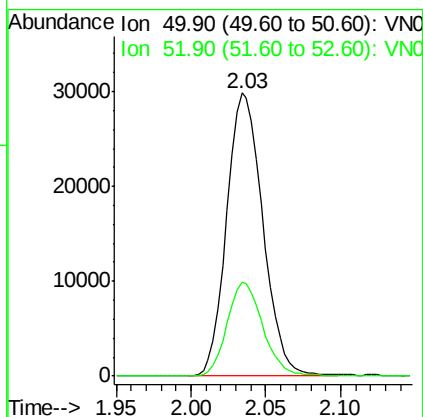
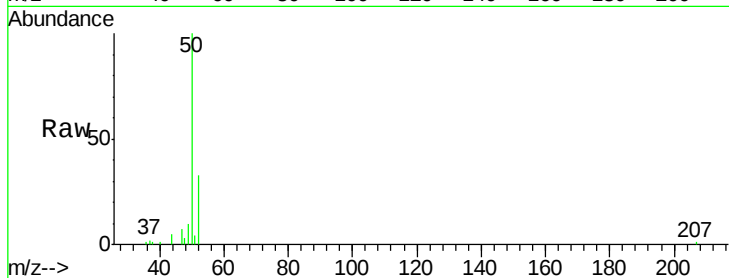
52 33.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 21.739 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063093.D

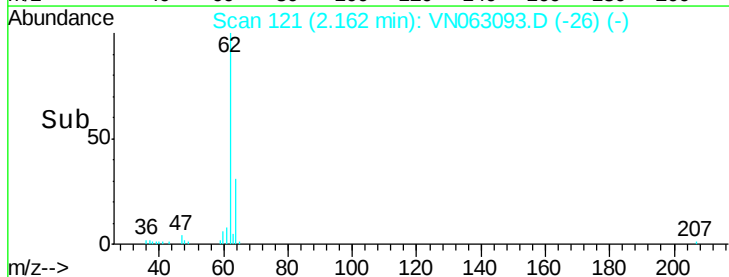
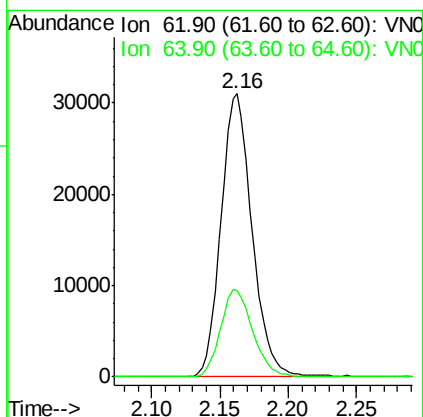
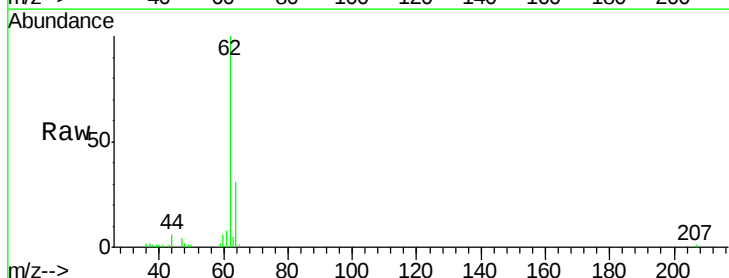
Acq: 24 Aug 2020 14:15

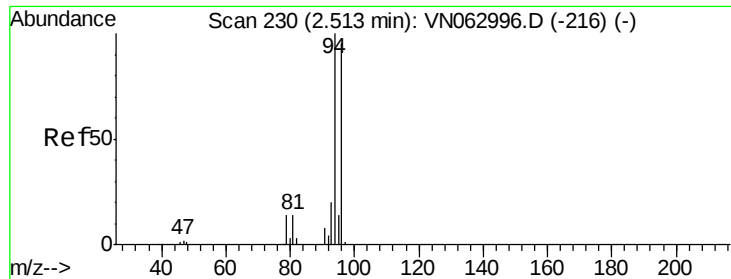
Tgt Ion: 62 Resp: 48991

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2





#5

Bromomethane

Concen: 15.138 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.03 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

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ClientSampleId :

VN0824WBSD01

Tot Ion: 94 Resp: 20250

Ion Ratio Lower Upper

94 100

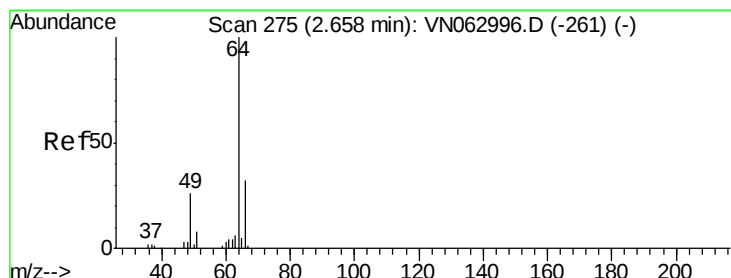
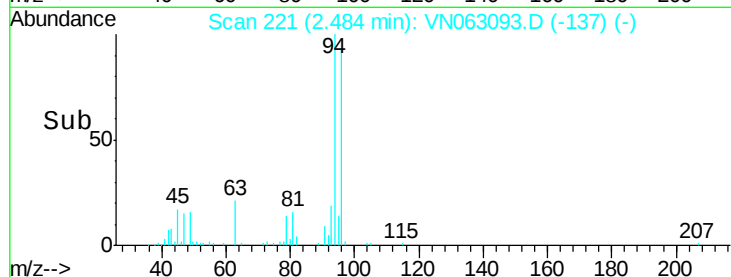
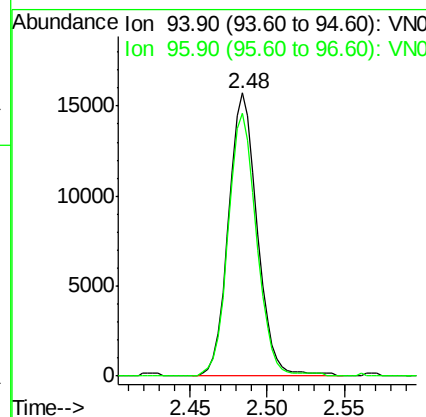
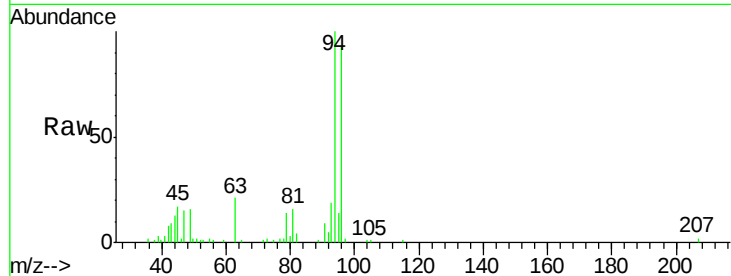
96 92.7 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 22.383 ug/l

RT: 2.59 min Scan# 255

Delta R.T. -0.06 min

Lab File: VN063093.D

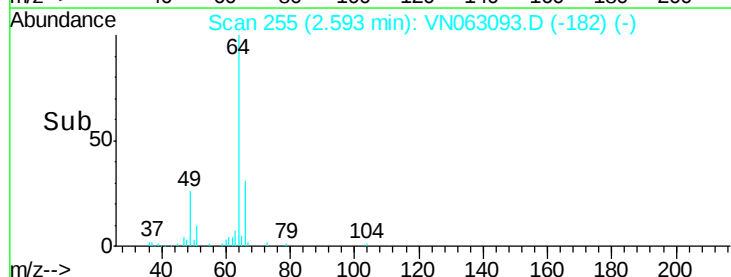
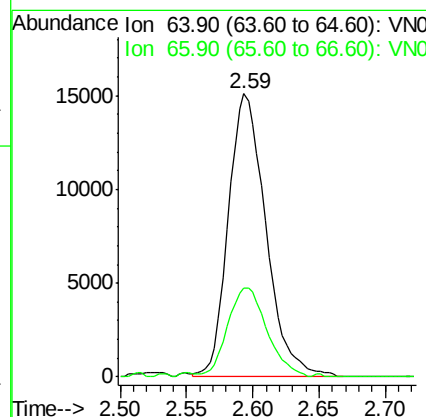
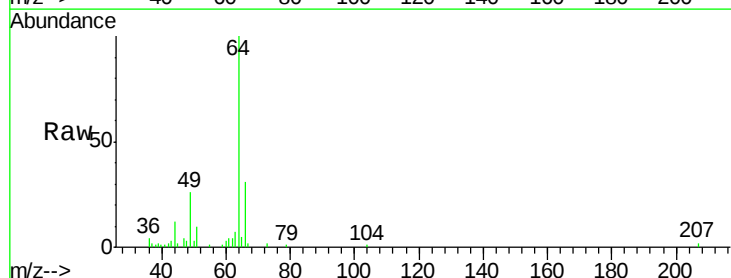
Acq: 24 Aug 2020 14:15

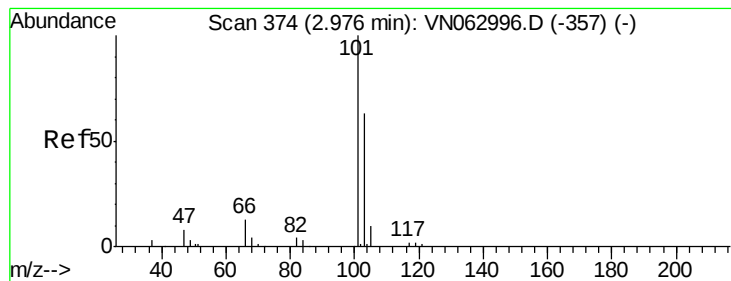
Tgt Ion: 64 Resp: 29783

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.0





#7

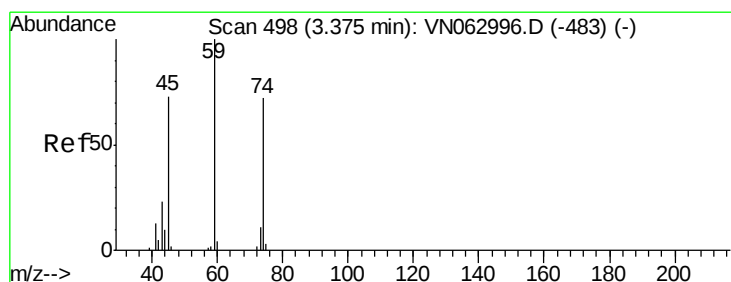
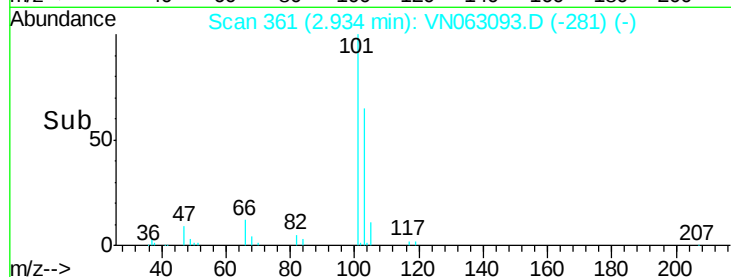
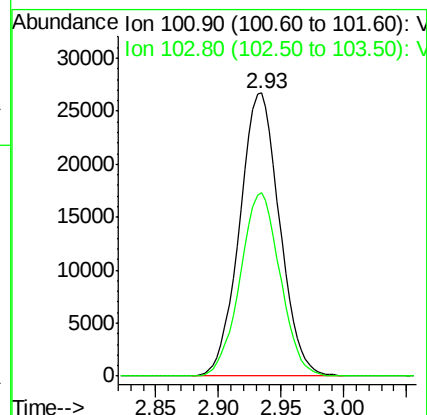
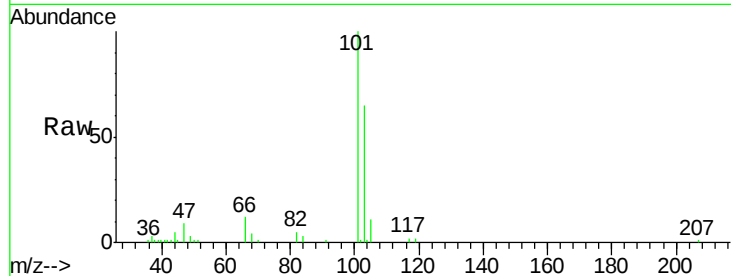
Trichlorofluoromethane
 Concen: 21.059 ug/l
 RT: 2.93 min Scan# 361
 Delta R.T. -0.04 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

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 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.5	75.7

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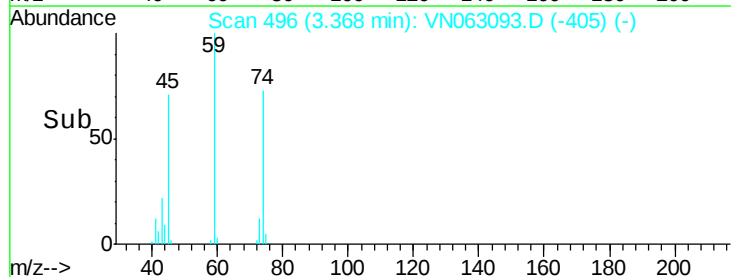
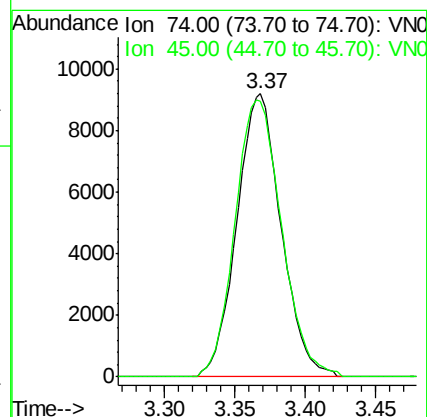
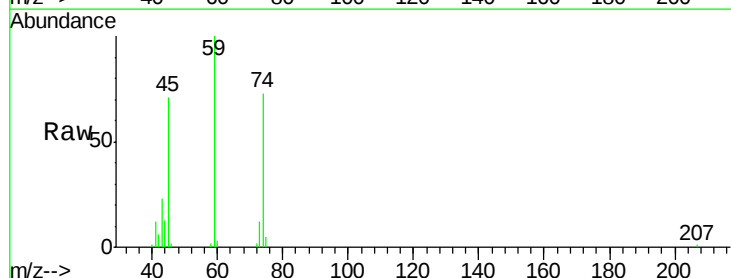
MMDadoda
 8/25/2020 12:14:26 PM

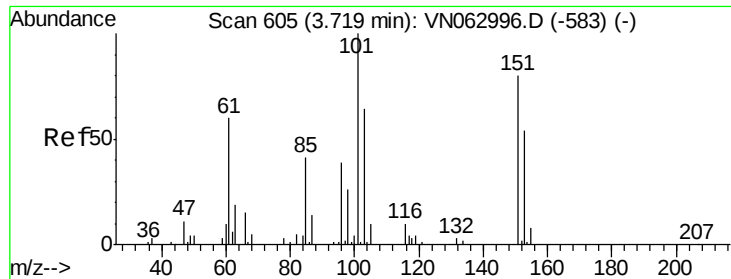


#8

Diethyl Ether
 Concen: 20.319 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.371 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.03 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

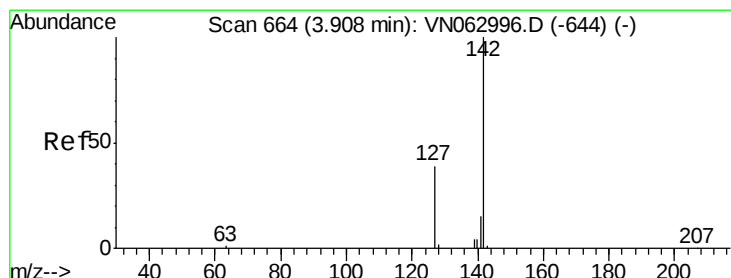
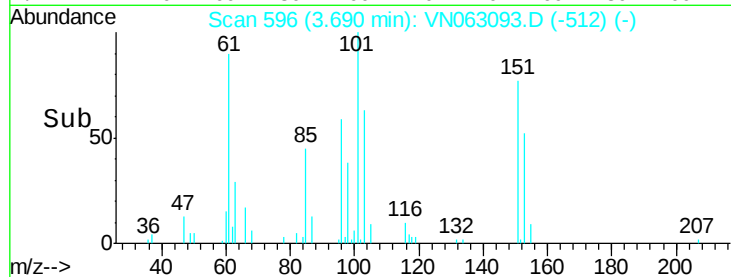
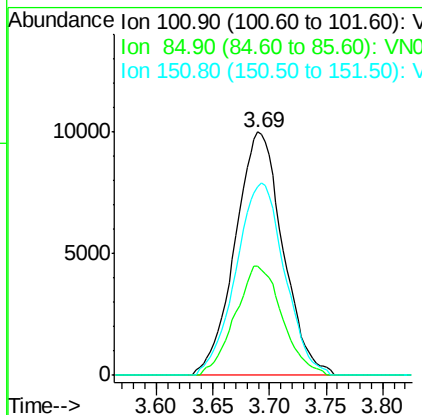
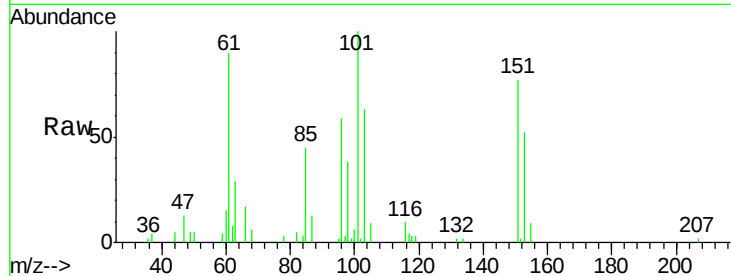
ClientSampleId :

VN0824WBSD01

Tot Ion:	101	Resp:	29335
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.0	51.0
151	80.7	65.8	98.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.851 ug/l

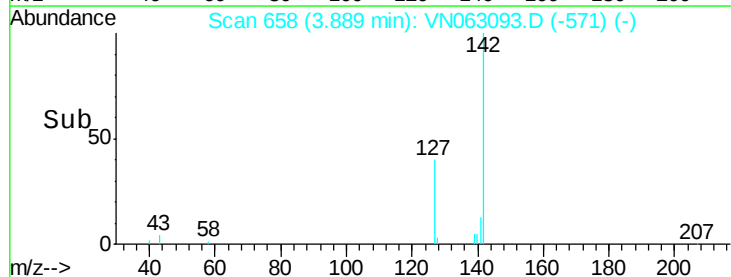
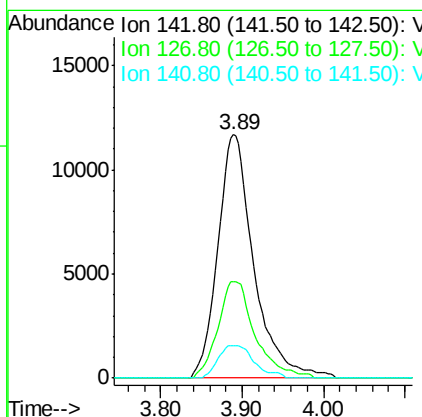
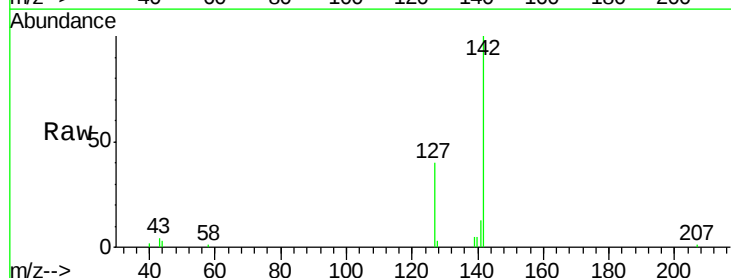
RT: 3.89 min Scan# 658

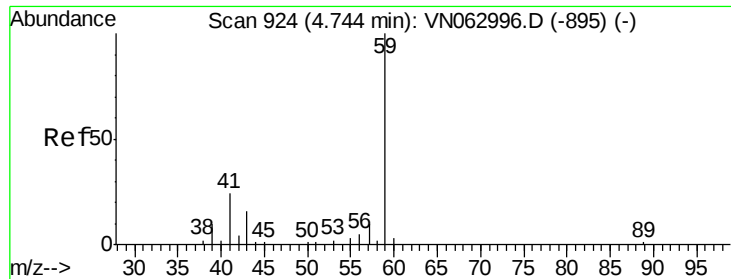
Delta R.T. -0.02 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion:	142	Resp:	36186
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.2	48.4
141	13.4	11.3	16.9





#11

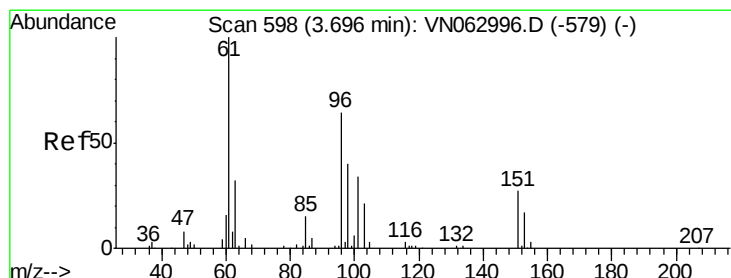
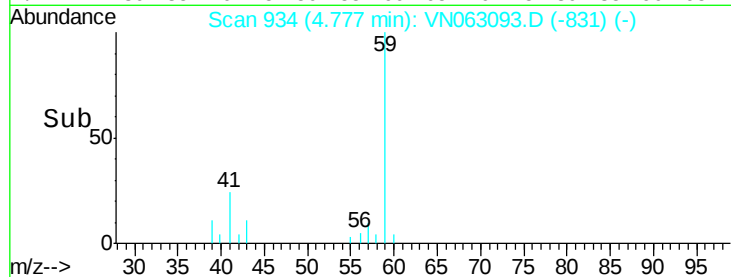
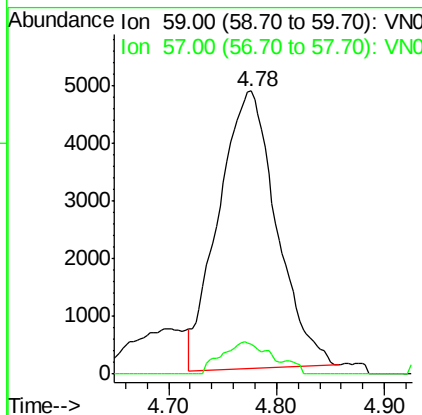
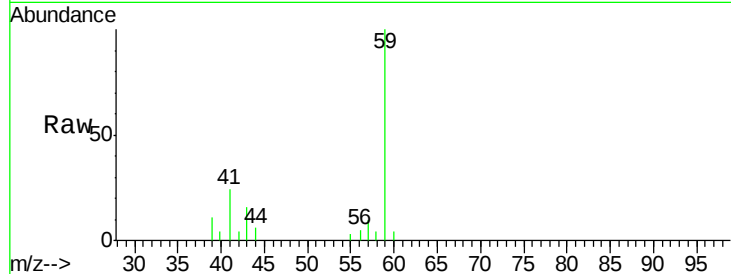
Tert butyl alcohol
Concen: 62.905 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.03 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	59	Resp	17948
Ion Ratio	100	Lower	Upper
57	9.1	7.8	11.6

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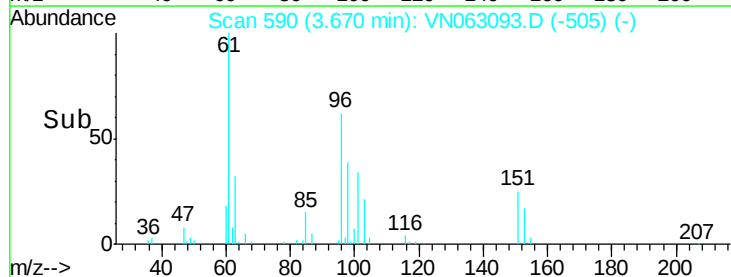
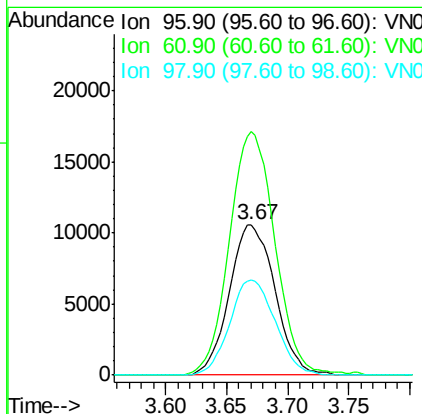
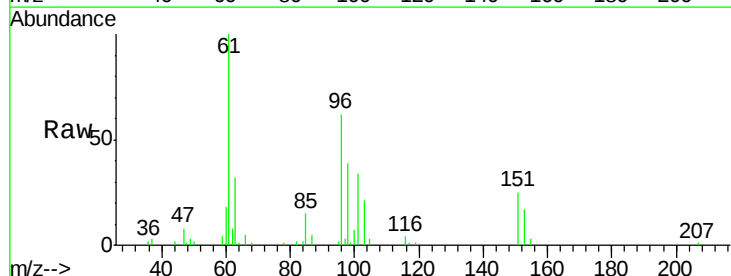
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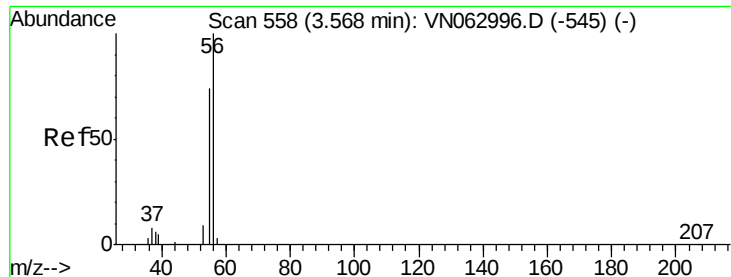


#12

1,1-Dichloroethene
Concen: 19.032 ug/l
RT: 3.67 min Scan# 590
Delta R.T. -0.03 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	96	Resp	27456
Ion Ratio	100	Lower	Upper
61	160.3	125.5	188.3
98	63.2	50.4	75.6





#13

Acrolein

Concen: 23.774 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 56 Resp: 2125

Ion Ratio Lower Upper

56 100

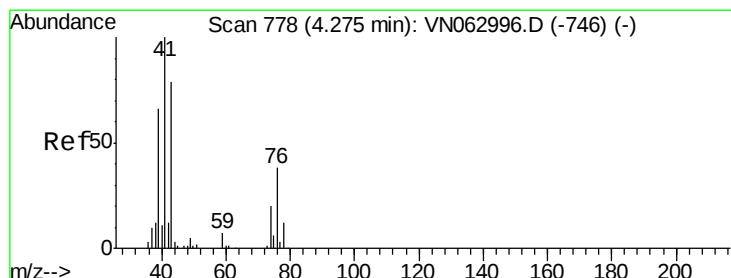
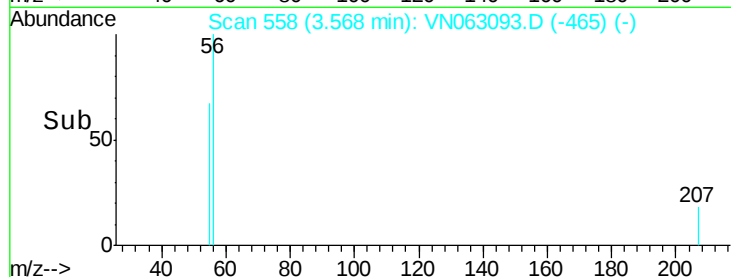
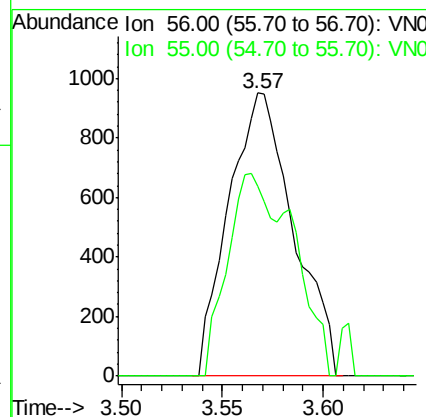
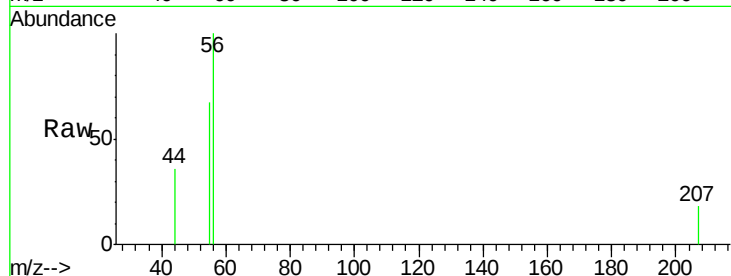
55 50.0 58.4 87.6#

Manual Integrations

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8/25/2020 12:14:26 PM



#14

Allyl chloride

Concen: 19.372 ug/l

RT: 4.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

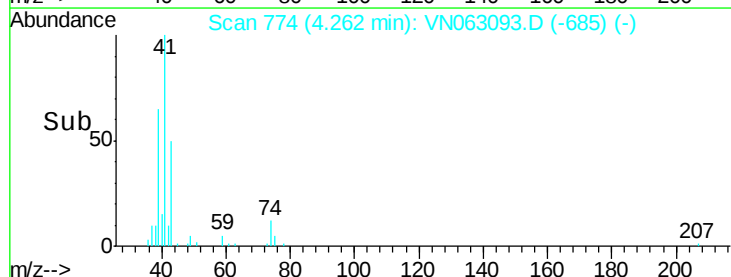
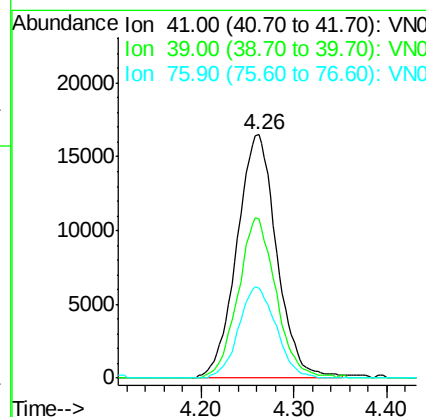
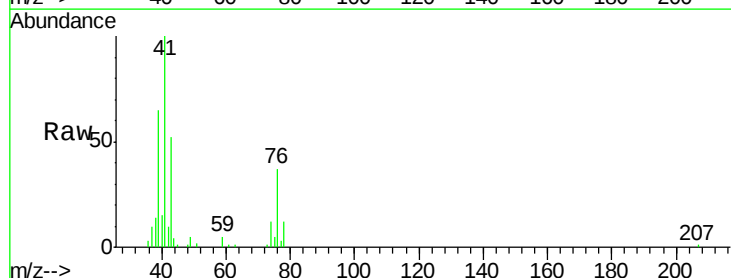
Tgt Ion: 41 Resp: 49275

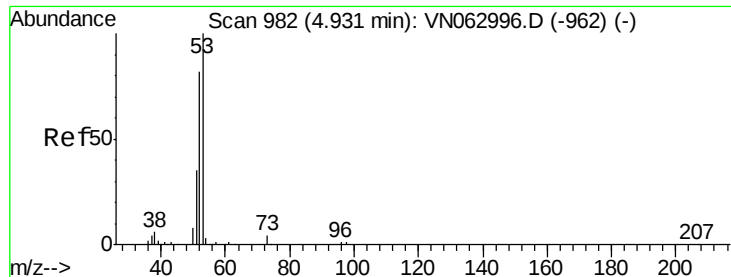
Ion Ratio Lower Upper

41 100

39 62.4 47.9 71.9

76 35.3 27.0 40.6





#15

Acrylonitrile

Concen: 105.202 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

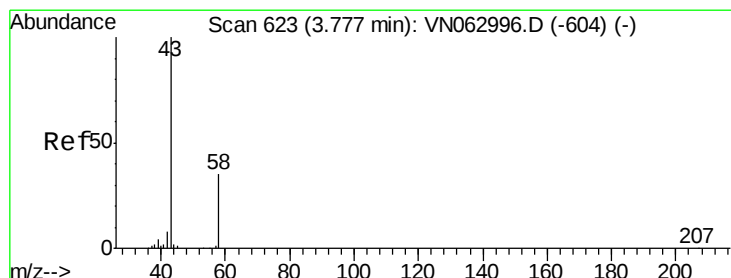
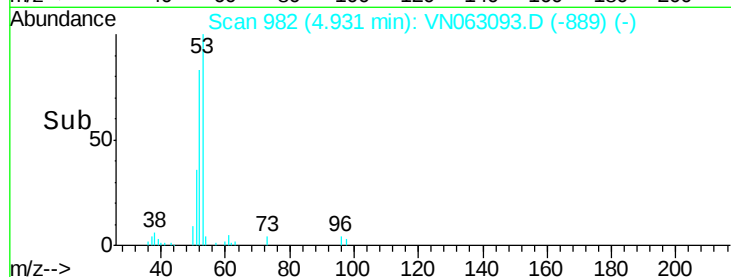
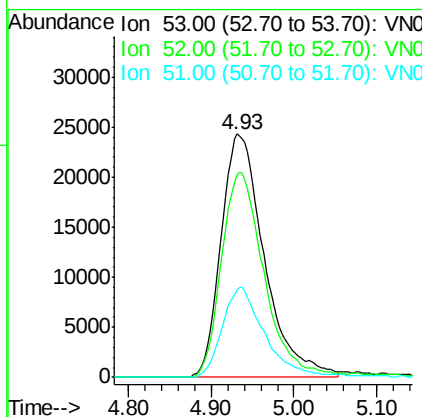
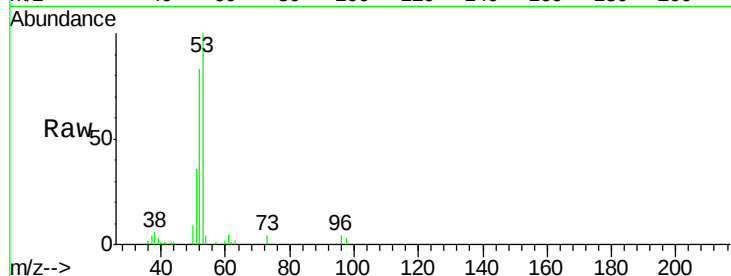
ClientSampleId :

VN0824WBSD01

Tot Ion:	53	Resp:	88223
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.6	98.4
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 99.545 ug/l

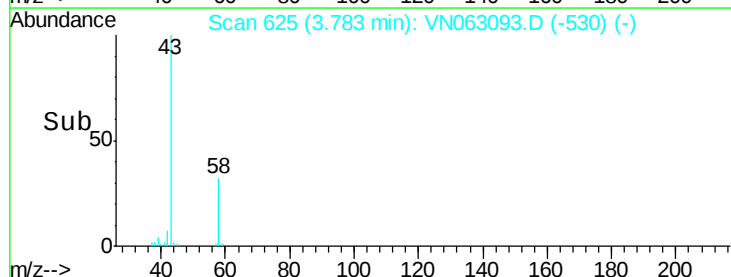
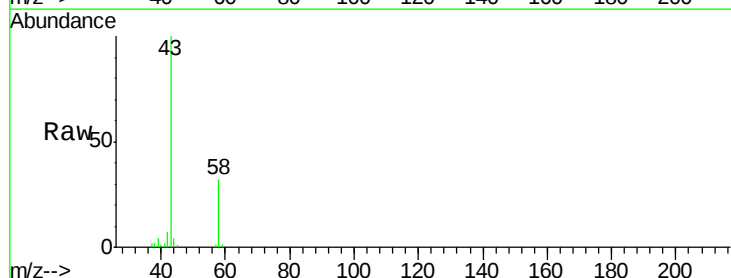
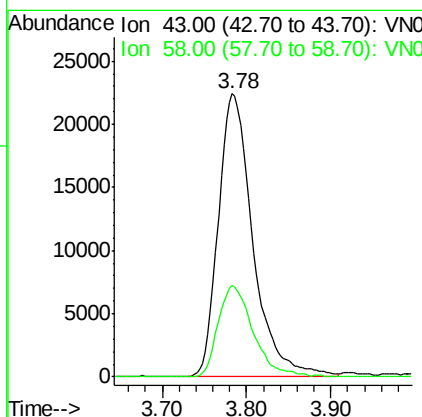
RT: 3.78 min Scan# 625

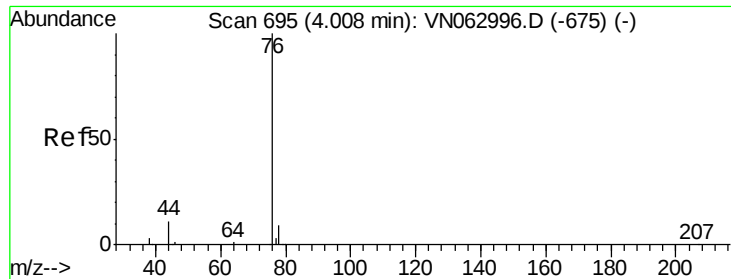
Delta R.T. 0.01 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion:	43	Resp:	64011
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.8	41.6





#17

Carbon Disulfide

Concen: 18.395 ug/l

RT: 3.99 min Scan# 688

Delta R.T. -0.02 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 76 Resp: 69498

Ion Ratio Lower Upper

76 100

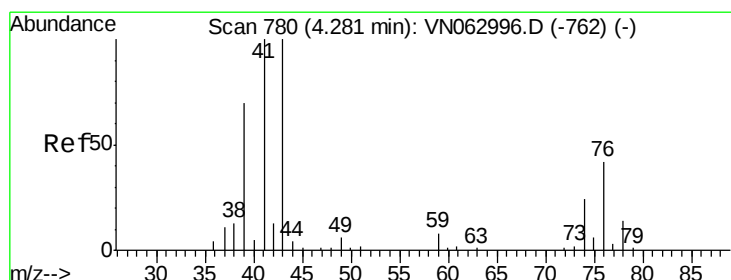
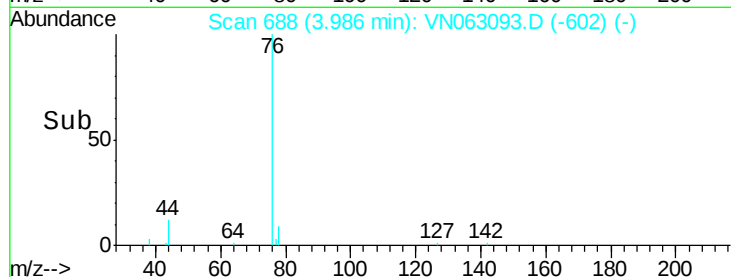
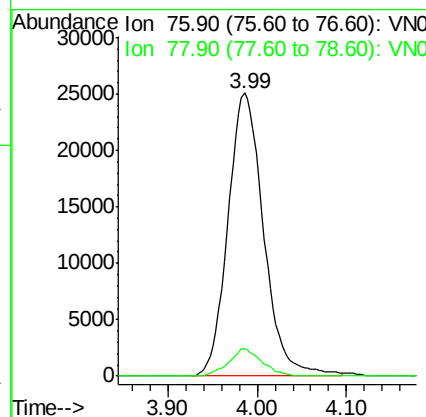
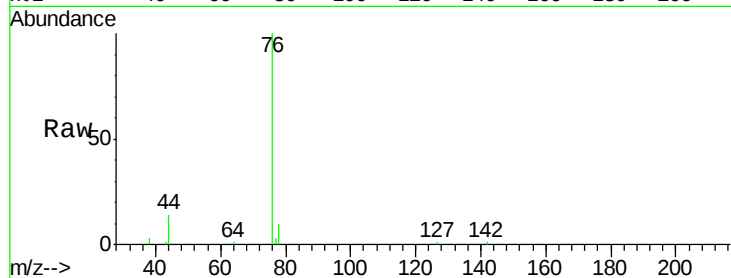
78 9.7 6.9 10.3

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8/25/2020 12:14:26 PM



#18

Methyl Acetate

Concen: 21.579 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN063093.D

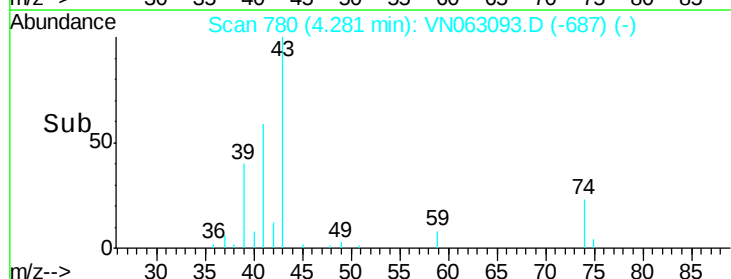
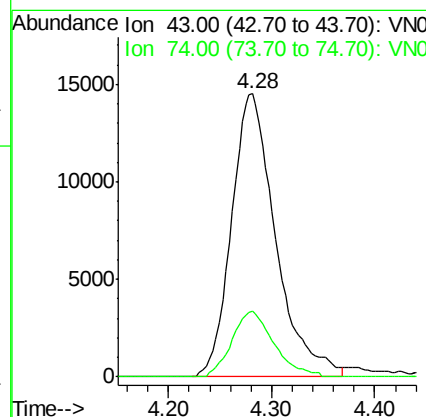
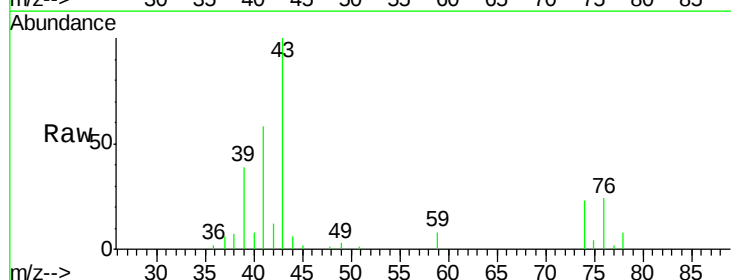
Acq: 24 Aug 2020 14:15

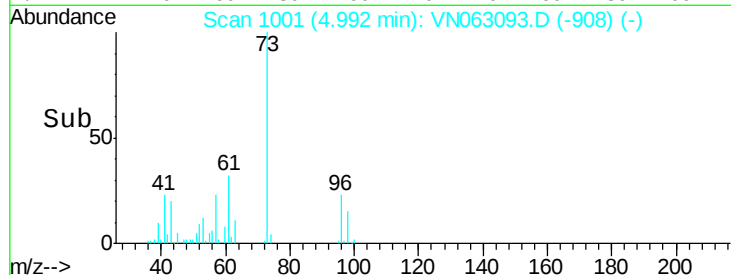
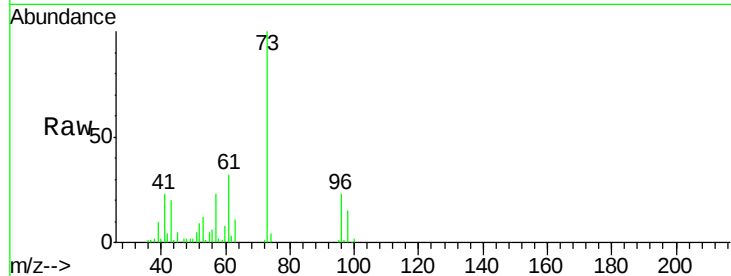
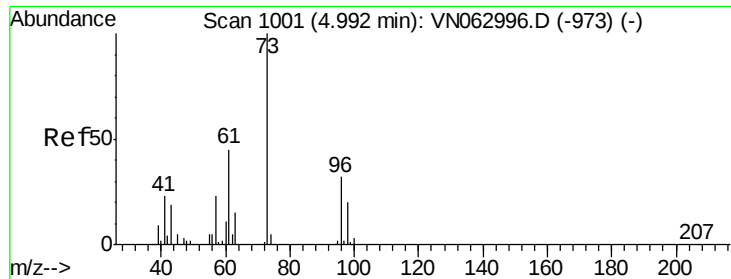
Tgt Ion: 43 Resp: 43196

Ion Ratio Lower Upper

43 100

74 22.1 18.6 28.0





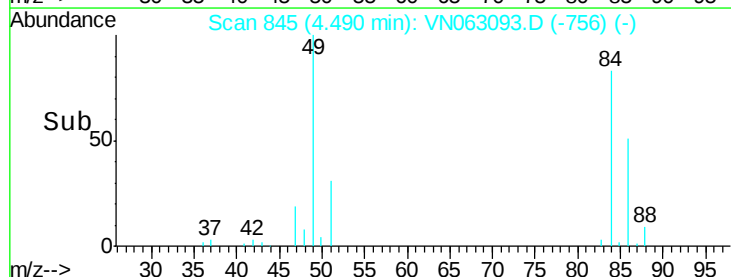
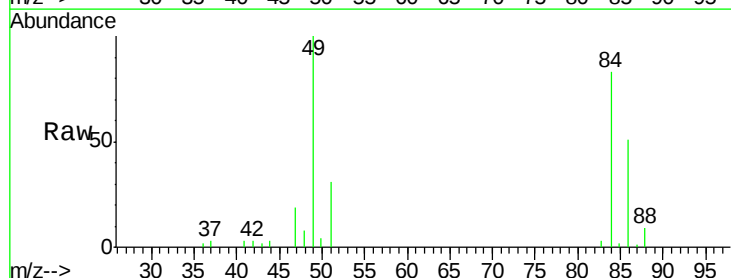
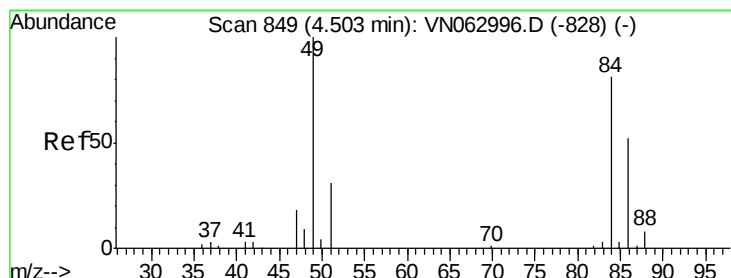
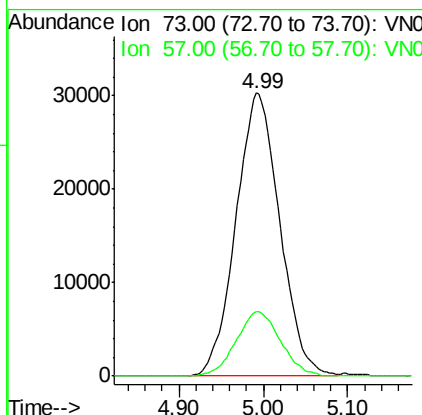
#19
Methvl tert-butvl Ether
Concen: 21.743 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tot Ion: 73 Resp: 109392
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

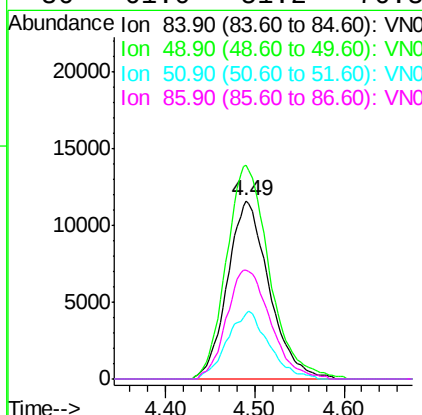
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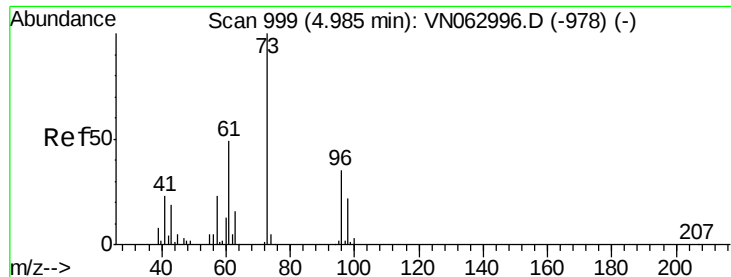
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8/25/2020 12:14:26 PM



#20
Methylene Chloride
Concen: 20.409 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion: 84 Resp: 37648
Ion Ratio Lower Upper
84 100
49 119.9 98.7 148.1
51 37.0 30.8 46.2
86 61.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.706 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

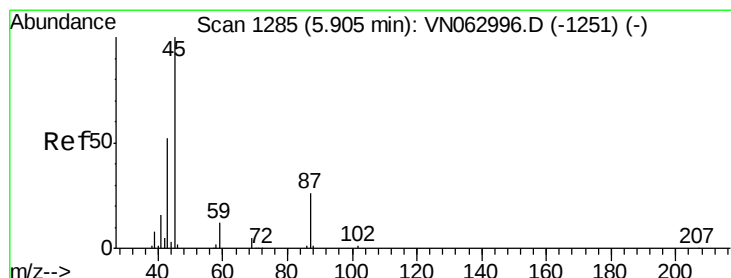
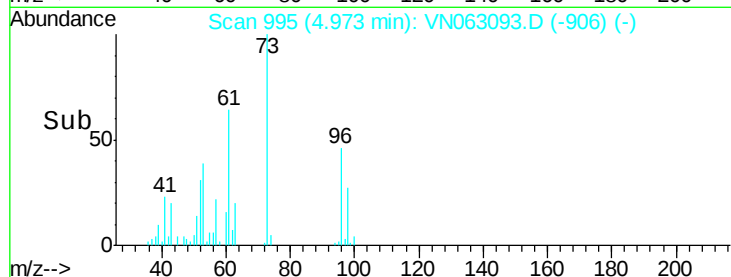
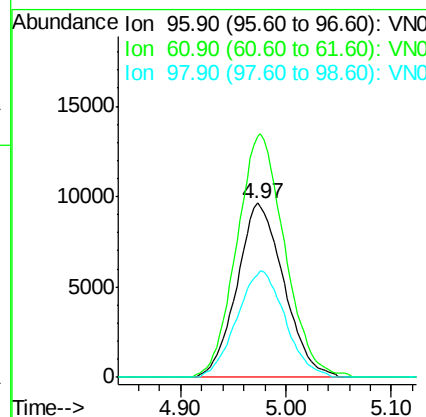
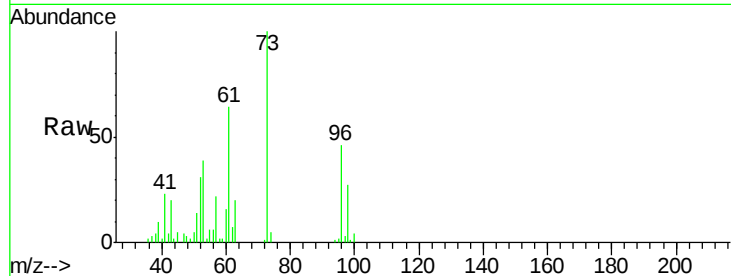
ClientSampleId :

VN0824WBSD01

Tot Ion:	96	Resp:	29752
Ion	Ratio	Lower	Upper
96	100		
61	138.6	112.5	168.7
98	59.1	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.843 ug/l

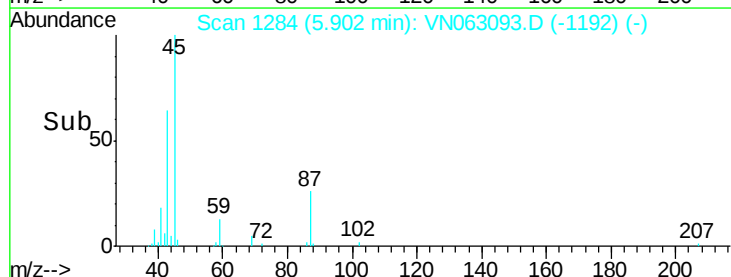
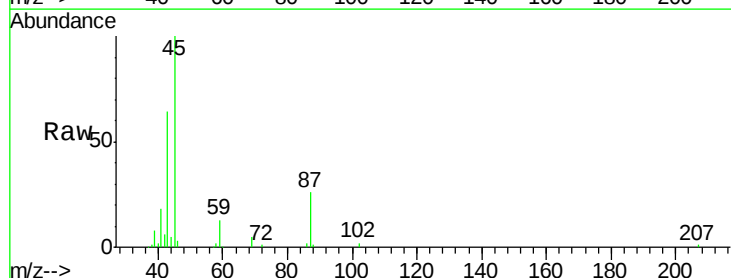
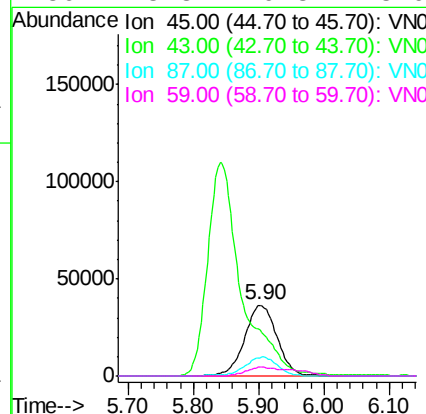
RT: 5.90 min Scan# 1284

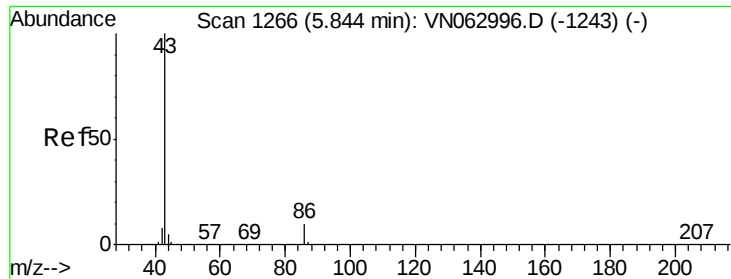
Delta R.T. -0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion:	45	Resp:	126082
Ion	Ratio	Lower	Upper
45	100		
43	62.3	45.7	68.5
87	26.0	21.8	32.6
59	13.3	9.3	13.9





#23

Vinyl Acetate

Concen: 101.195 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 394173

Ion Ratio Lower Upper

43 100

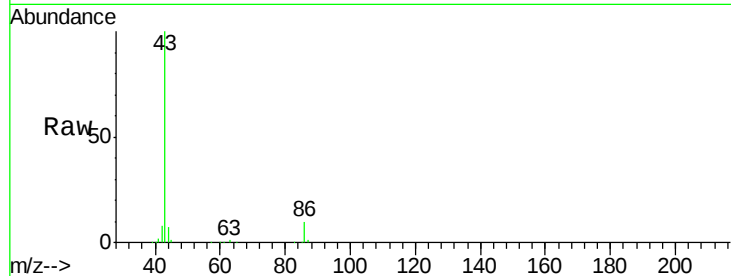
86 9.9 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

120000

100000

80000

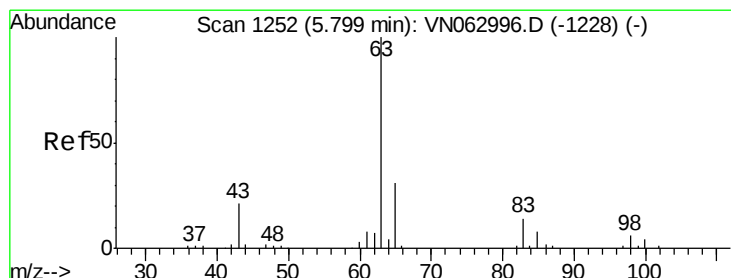
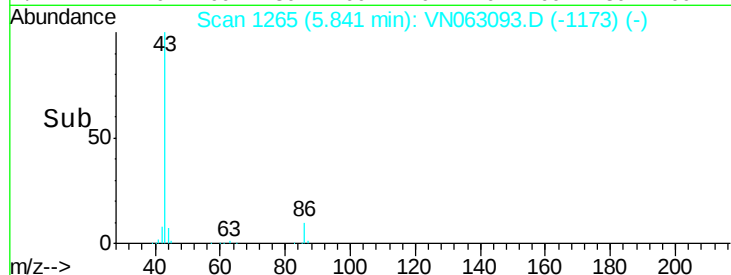
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.452 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

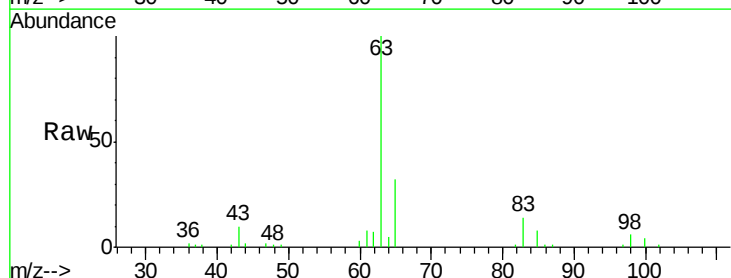
Tgt Ion: 63 Resp: 65970

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

5.79

25000

20000

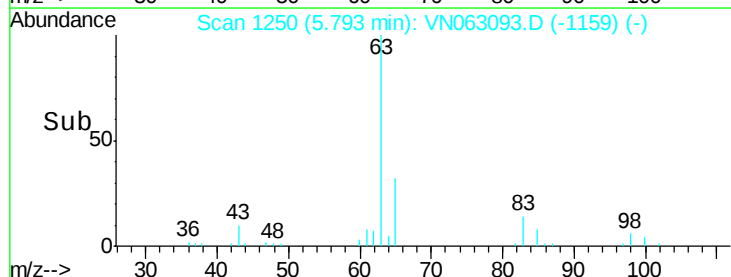
15000

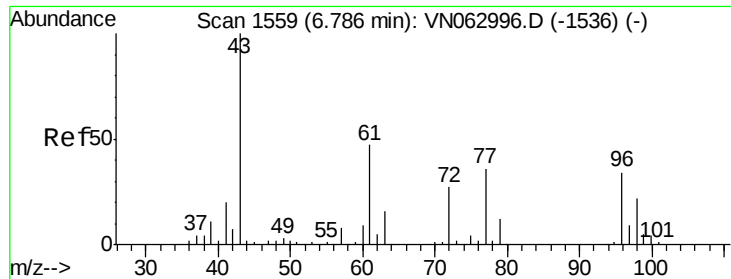
10000

5000

0

Time-->





#25

2-Butanone

Concen: 99.614 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 106527

Ion Ratio Lower Upper

43 100

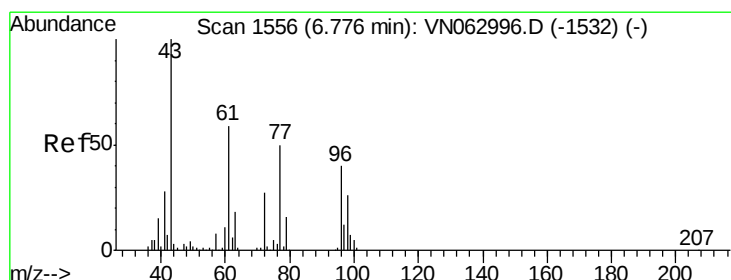
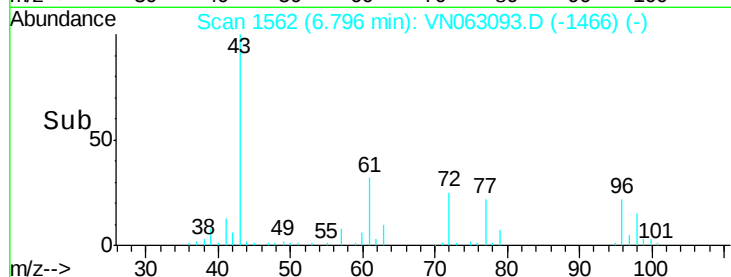
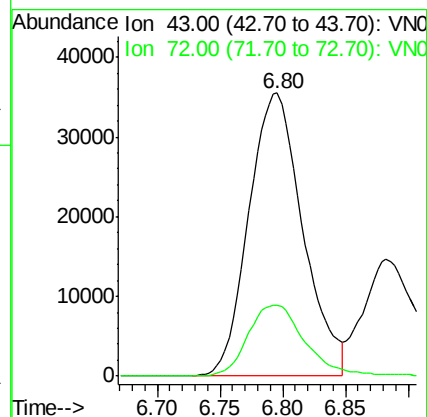
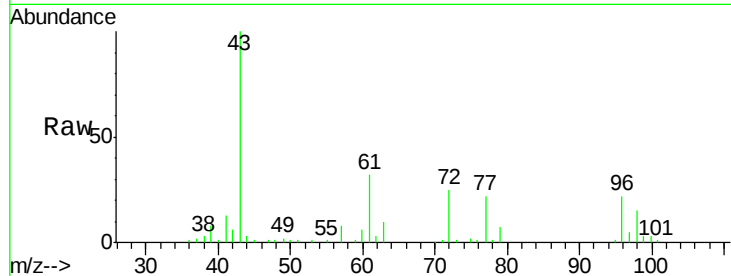
72 25.1 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.326 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN063093.D

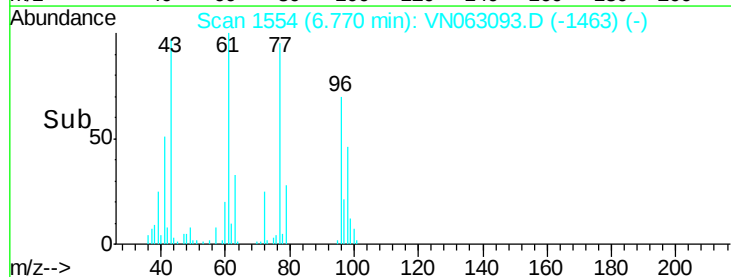
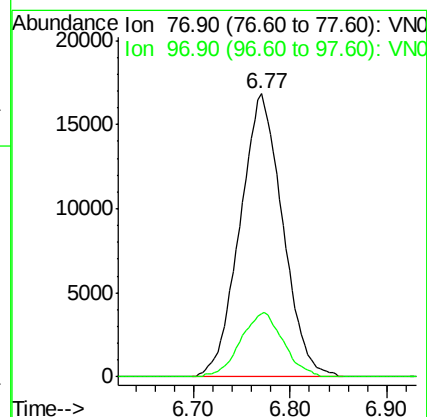
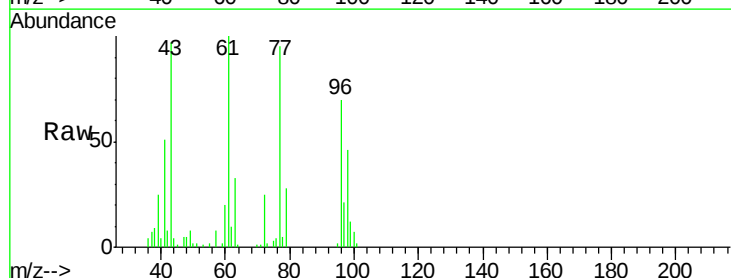
Acq: 24 Aug 2020 14:15

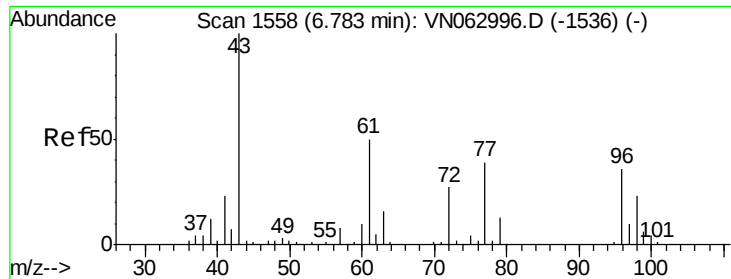
Tgt Ion: 77 Resp: 51561

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1





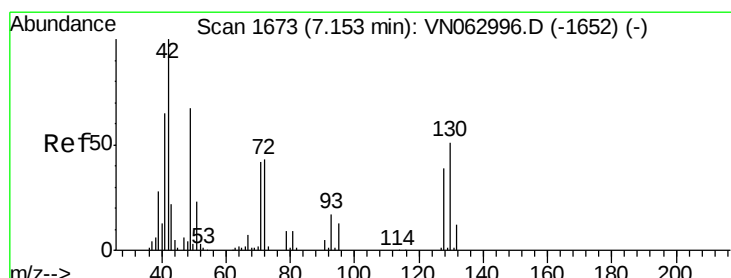
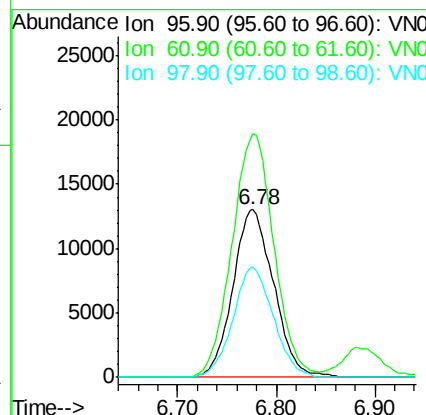
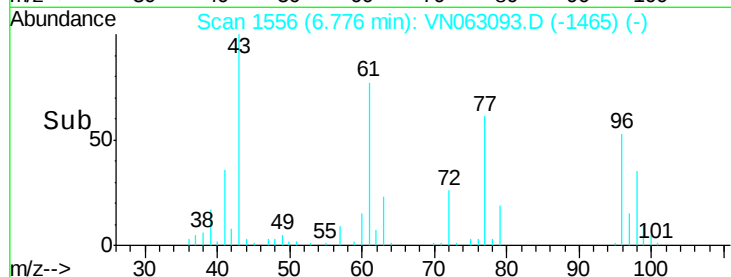
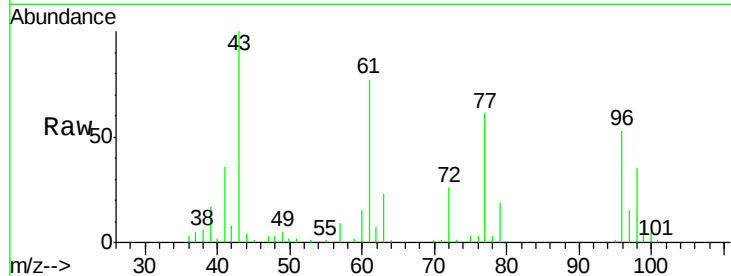
#27
 cis-1,2-Dichloroethene
 Concen: 19.782 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	292.8
98	65.2	0.0	130.6

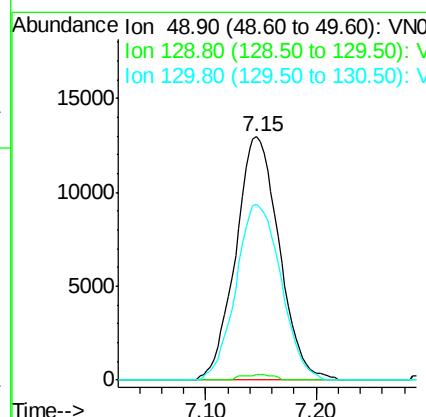
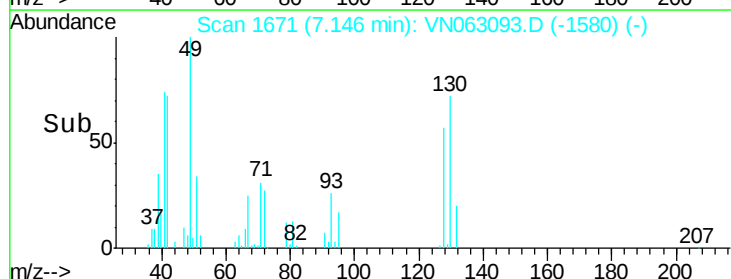
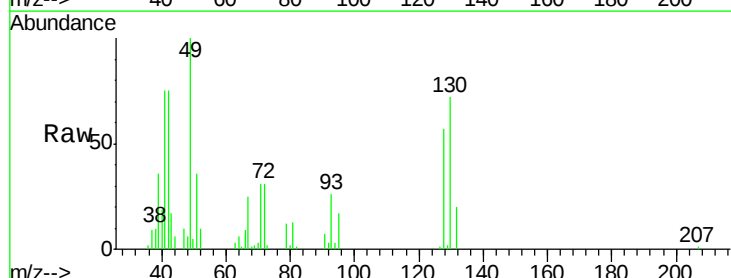
Manual Integrations
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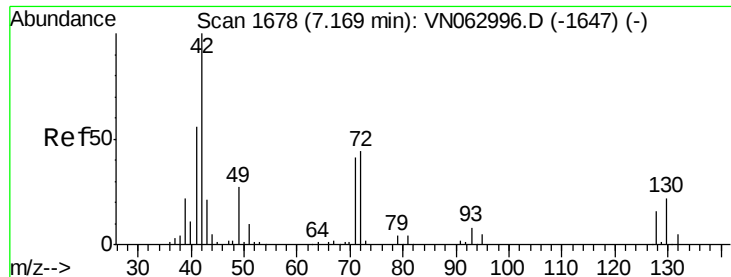
MMDadoda
 8/25/2020 12:14:26 PM



#28
 Bromochloromethane
 Concen: 20.981 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	74.7	61.1	91.7





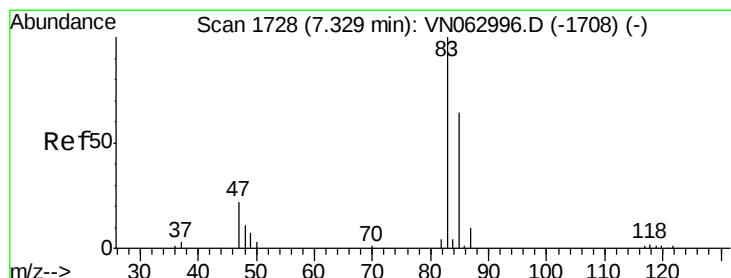
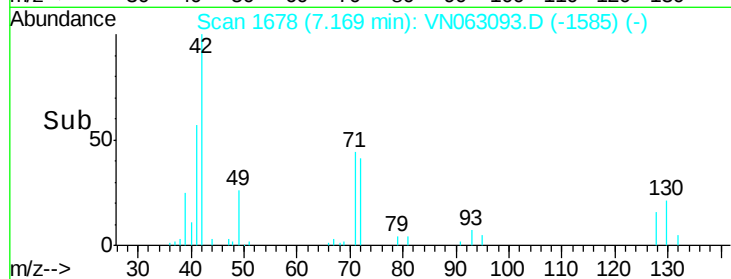
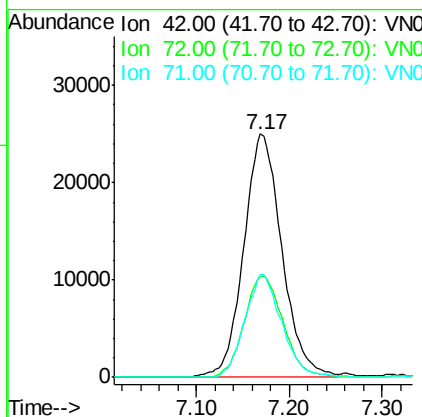
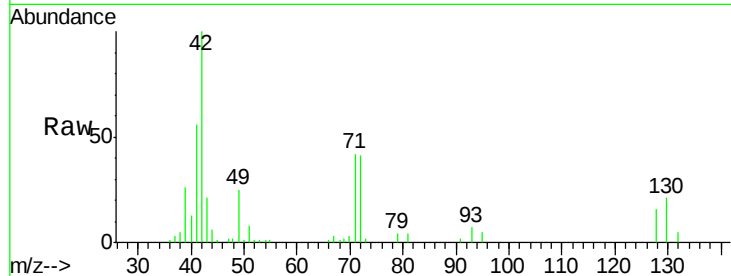
#29
Tetrahydrofuran
Concen: 103.548 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	52.0
71	40.8	32.3	48.5

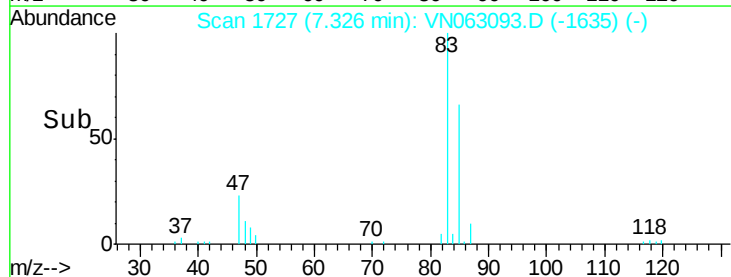
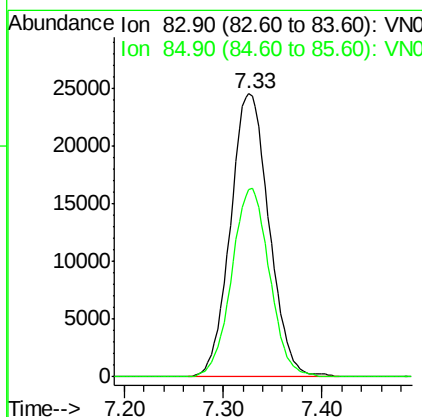
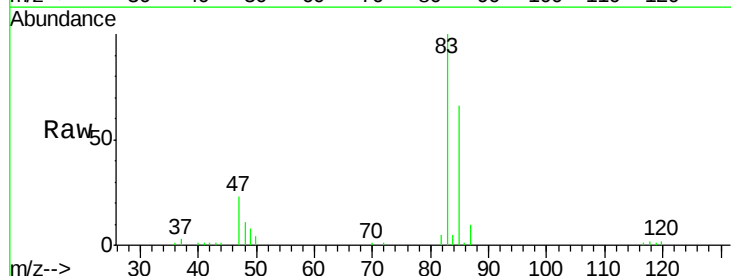
Manual Integrations
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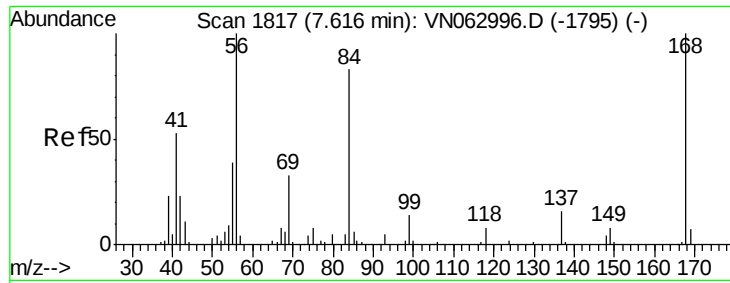
MMDadoda
8/25/2020 12:14:26 PM



#30
Chloroform
Concen: 20.493 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





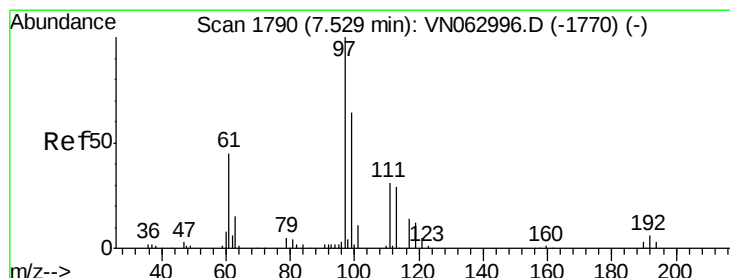
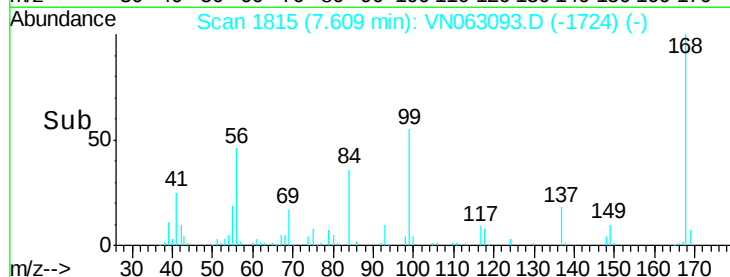
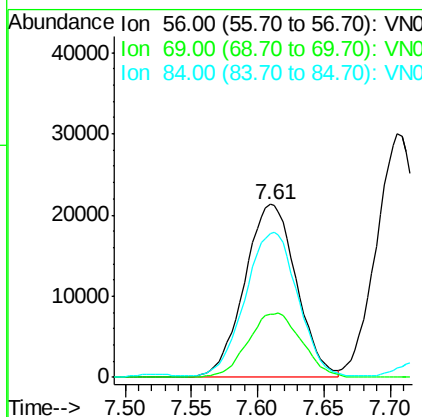
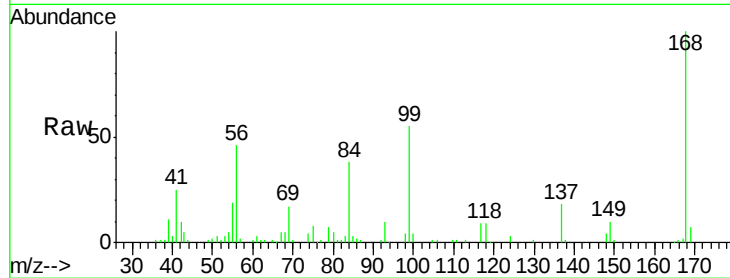
#31
Cyclohexane
Concen: 19.526 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion:	56	Resp:	57970
Ion Ratio	Lower	Upper	
56	100		
69	36.2	26.6	40.0
84	82.3	66.4	99.6

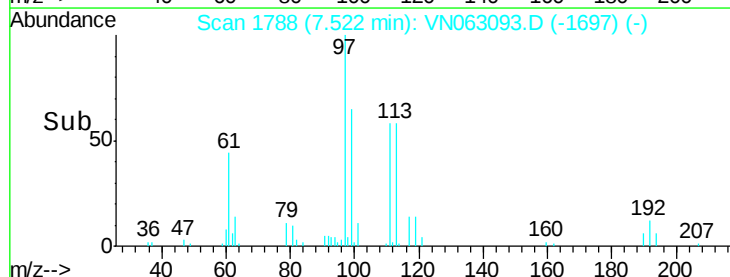
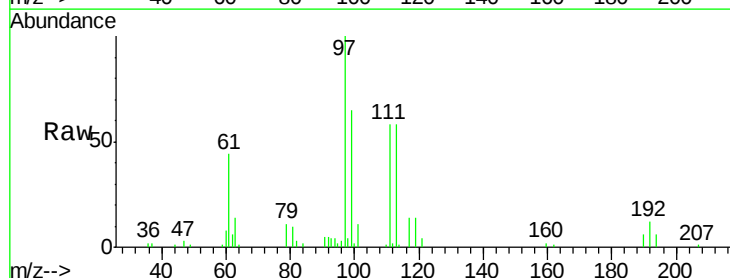
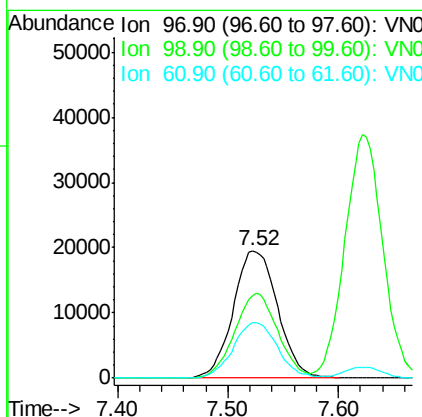
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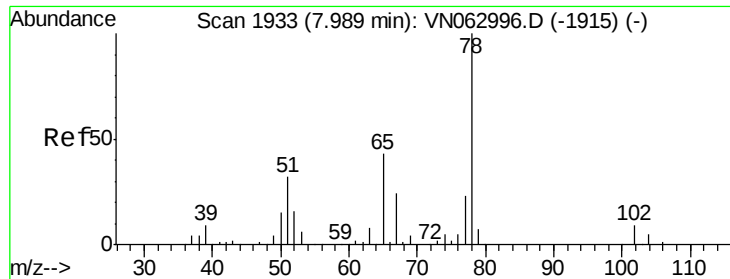
MMDadoda
8/25/2020 12:14:26 PM



#32
1,1,1-Trichloroethane
Concen: 20.522 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion:	97	Resp:	54428
Ion Ratio	Lower	Upper	
97	100		
99	64.3	52.0	78.0
61	43.7	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 55.185 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleID :

VN0824WBSD01

Tot Ion: 65 Resp: 111159

Ion Ratio Lower Upper

65 100

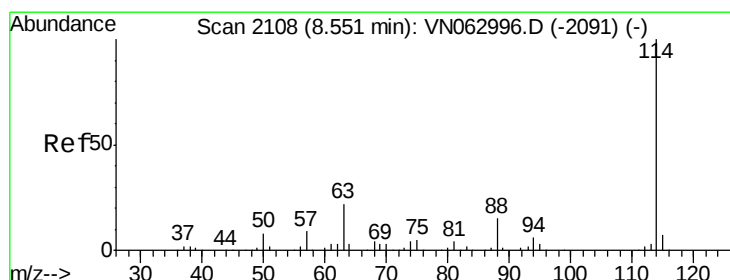
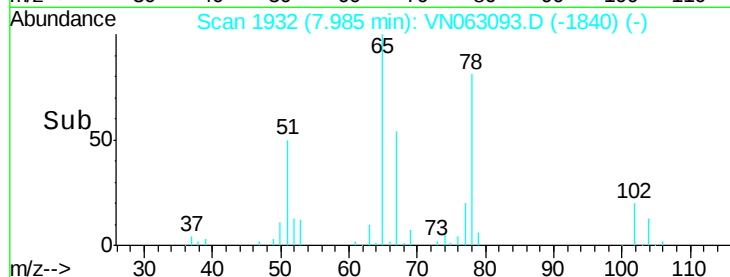
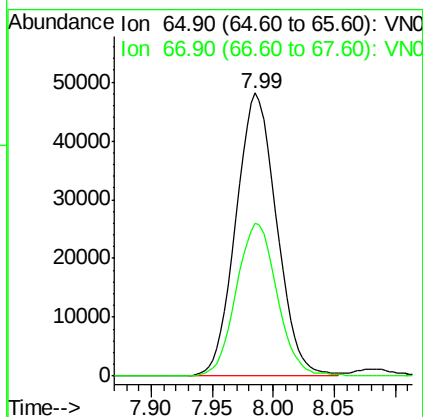
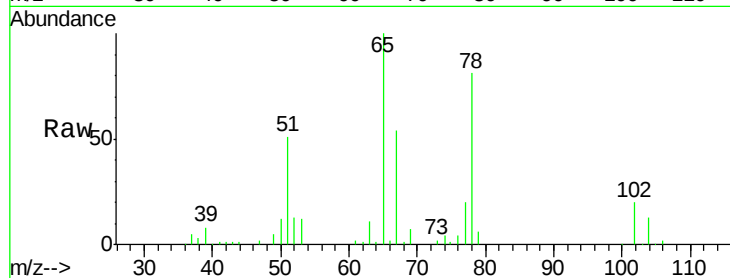
67 54.2 0.0 112.0

Manual Integrations

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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: VN063093.D

Acq: 24 Aug 2020 14:15

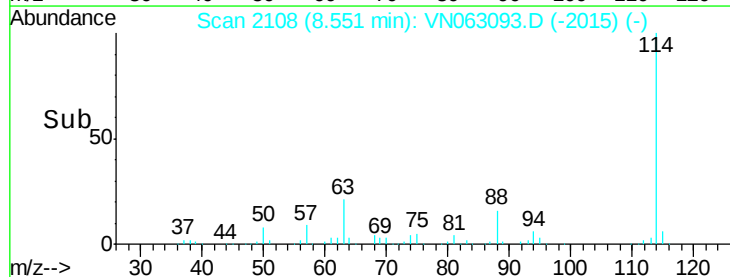
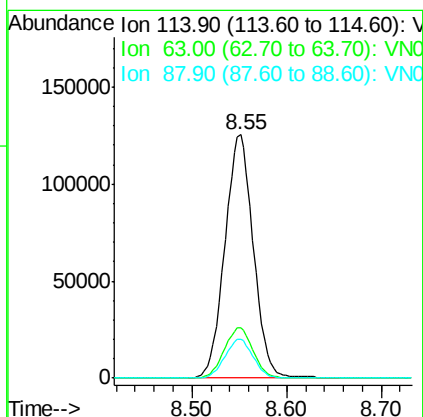
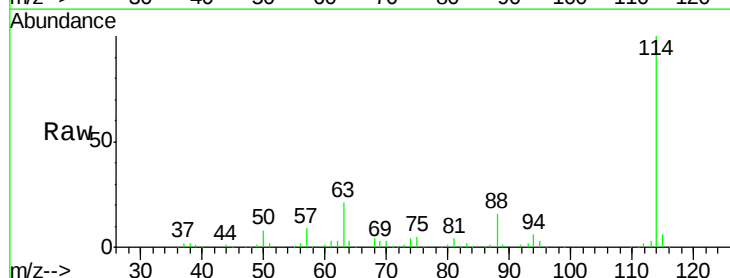
Tgt Ion: 114 Resp: 261893

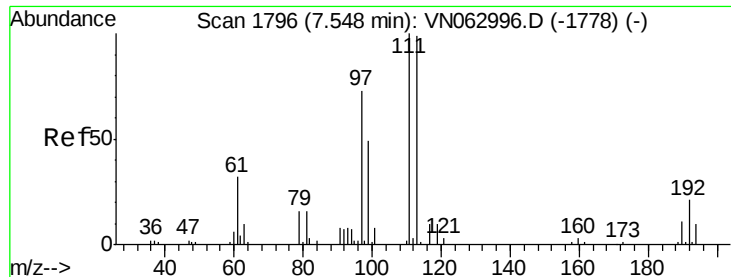
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 16.1 0.0 30.6





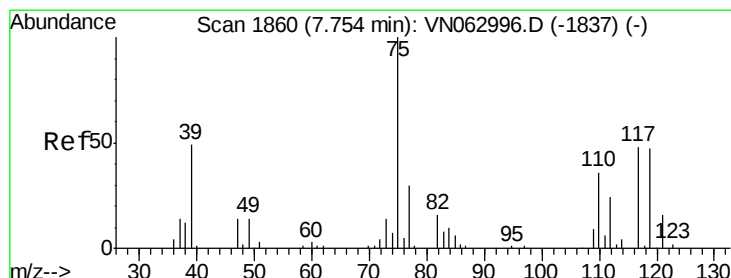
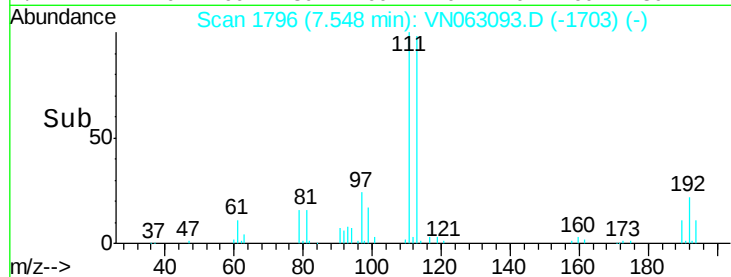
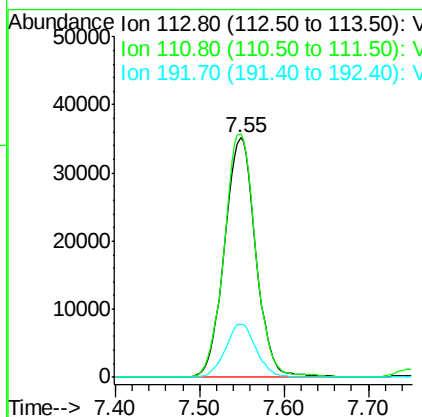
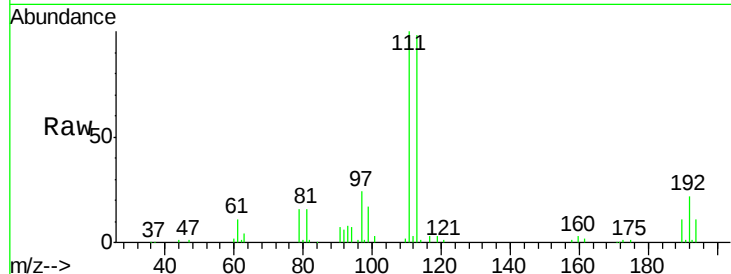
#35
 Dibromofluoromethane
 Concen: 53.041 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90513		
111	102.4	81.7	122.5	
192	21.8	17.5	26.3	

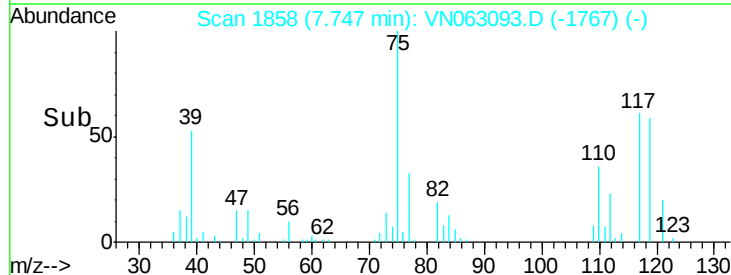
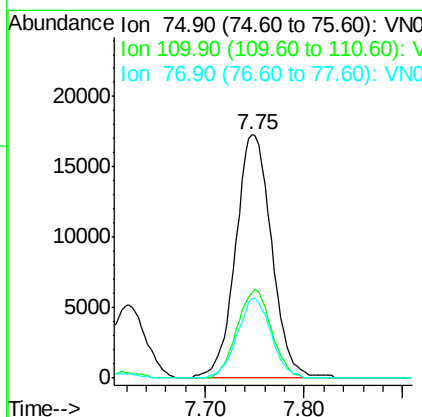
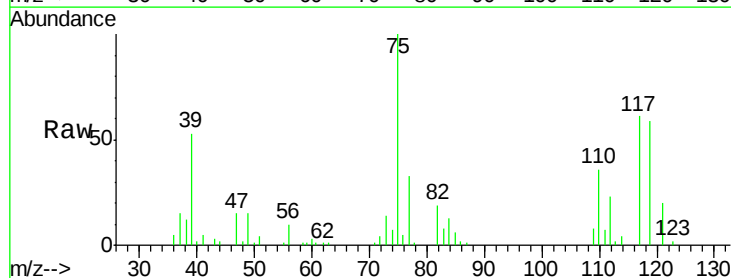
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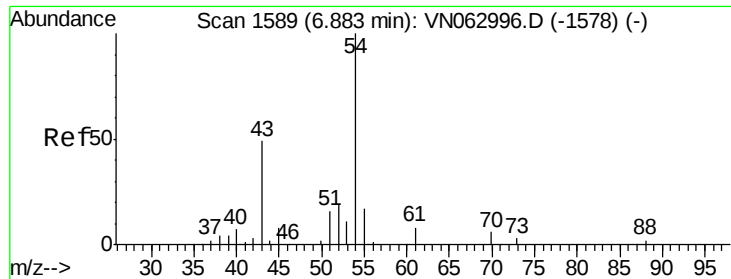
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#36
 1,1-Dichloropropene
 Concen: 18.931 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43691		
110	34.6	17.5	52.6	
77	30.8	24.2	36.4	





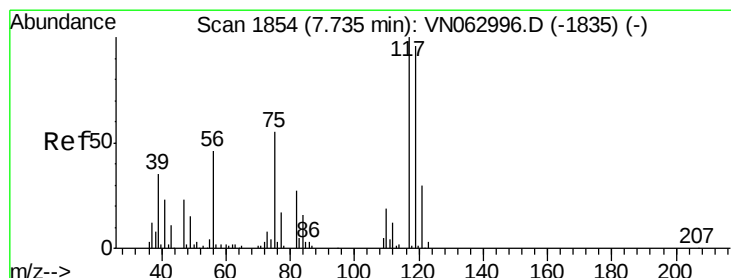
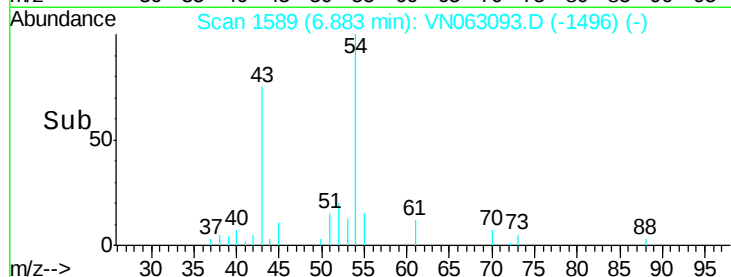
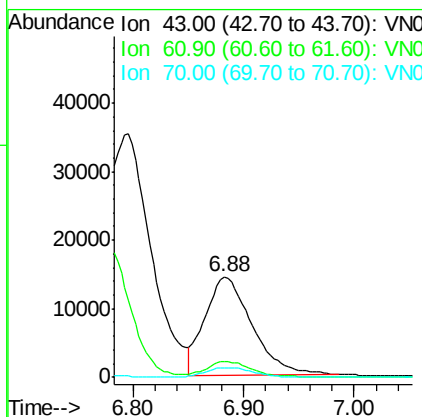
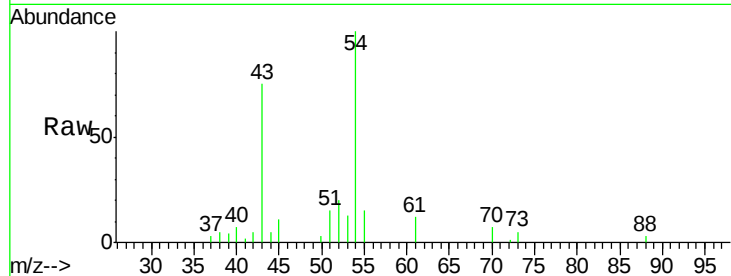
#37
Ethyl Acetate
Concen: 19.812 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	43	Resp	42844
Ion Ratio	100	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	9.6	8.2	12.2

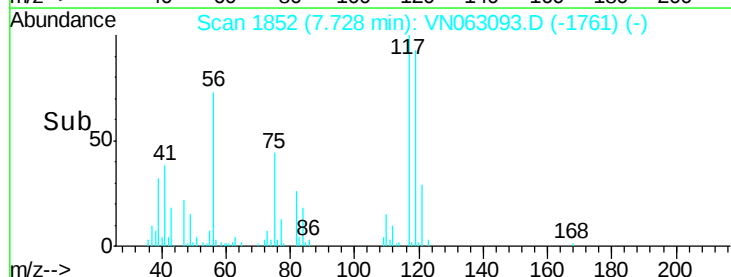
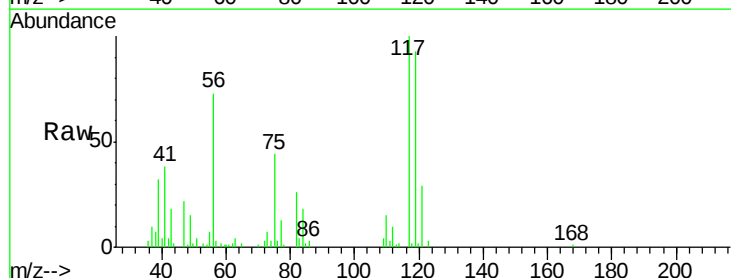
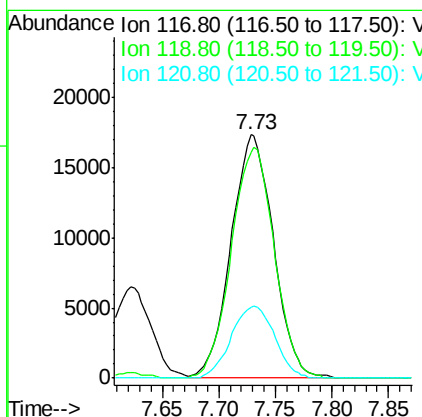
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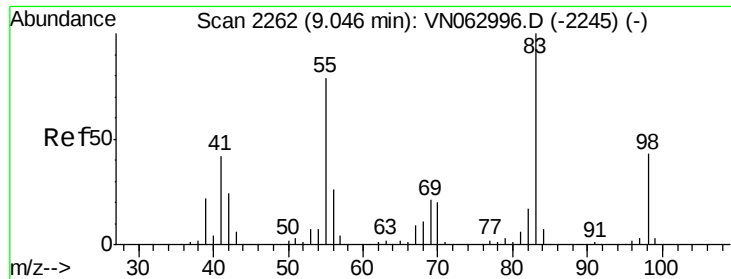
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#38
Carbon Tetrachloride
Concen: 19.457 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	117	Resp	45336
Ion Ratio	100	Lower	Upper
117	100		
119	92.5	76.2	114.4
121	29.0	24.2	36.2





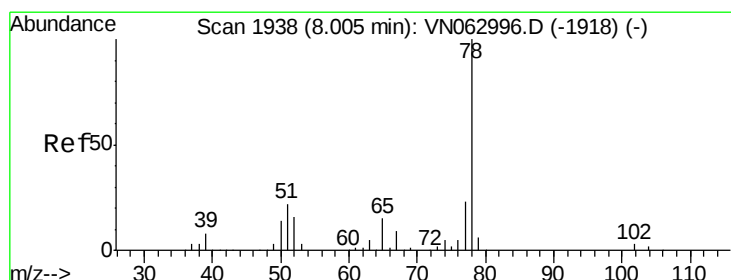
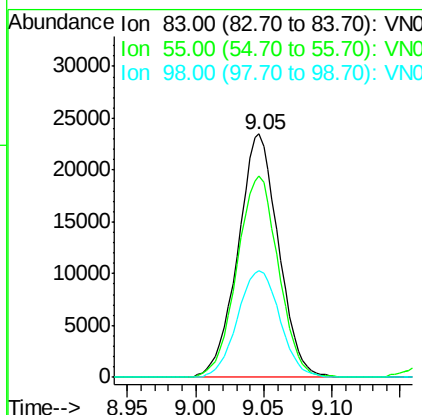
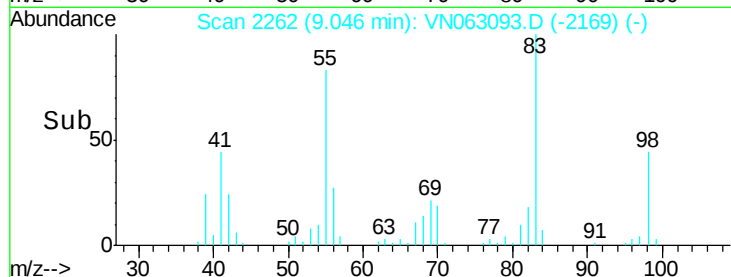
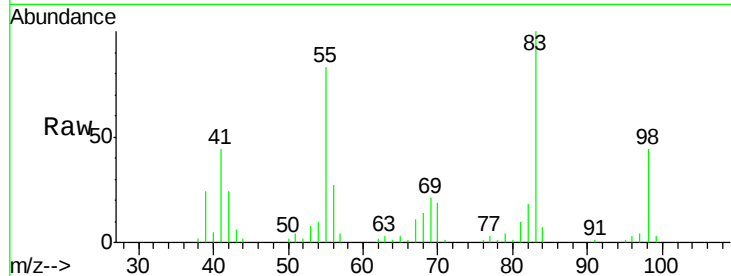
#39
Methvlcvclohexane
Concen: 16.608 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	63.3	94.9
98	43.6	34.2	51.4

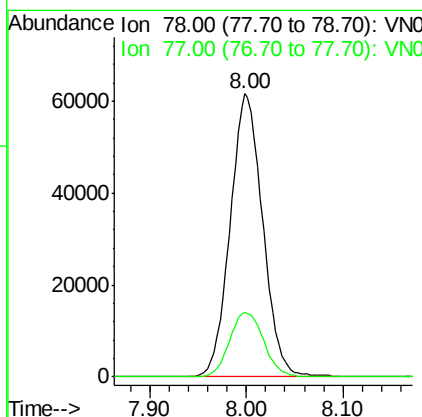
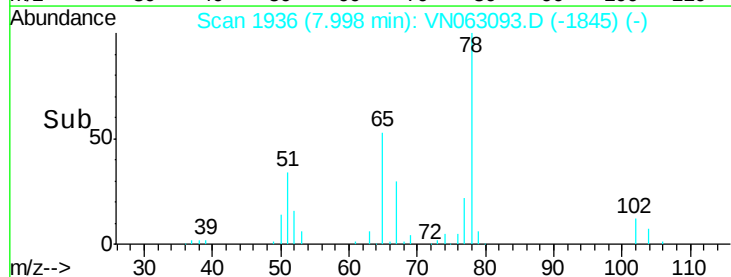
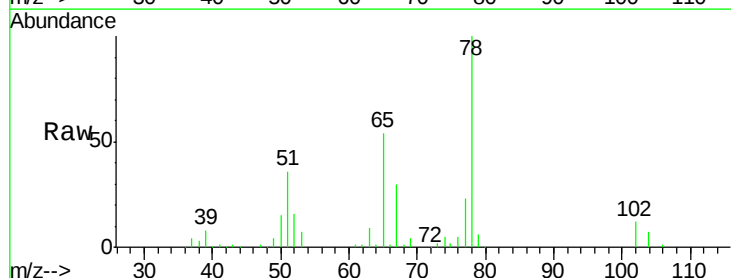
Manual Integrations
APPROVED

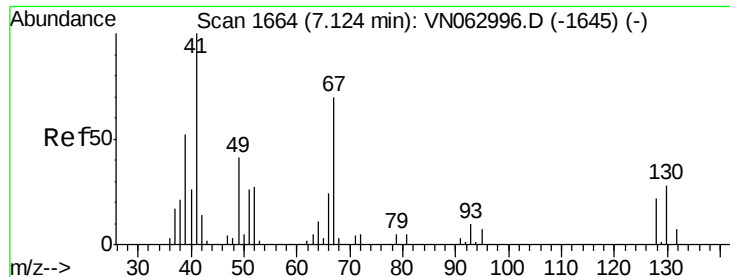
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#40
Benzene
Concen: 19.671 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





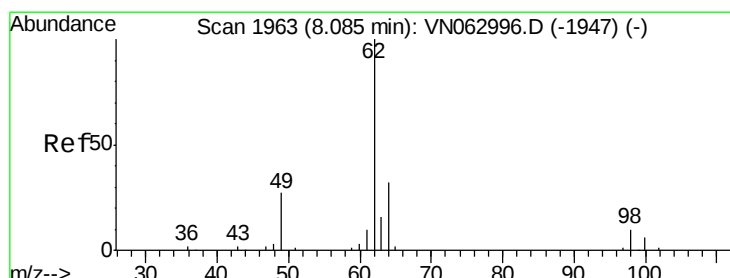
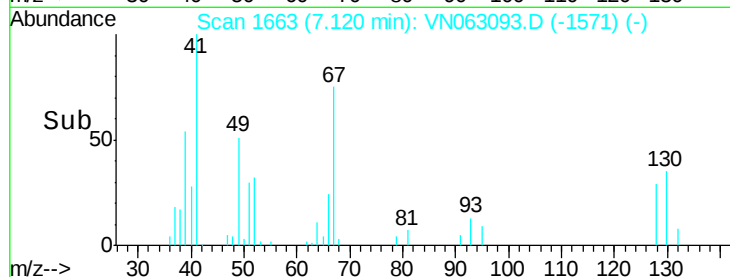
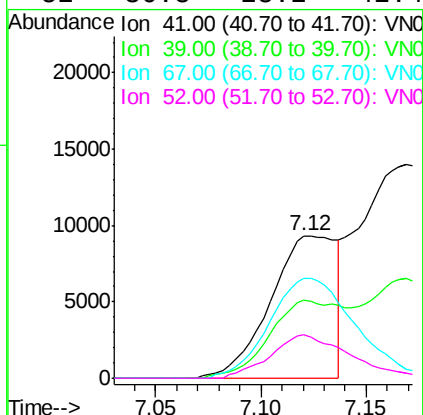
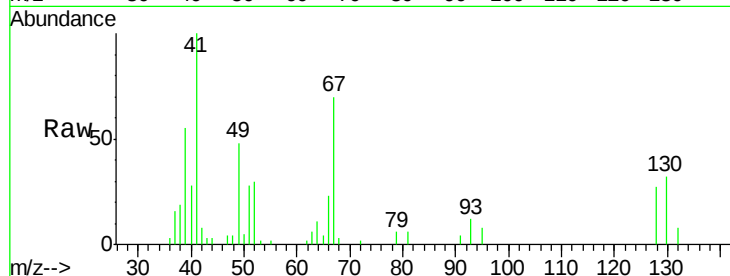
#41
Methacrylonitrile
Concen: 19.629 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.3	41.6	62.4#
67	92.4	71.8	107.8
52	36.8	28.2	42.4

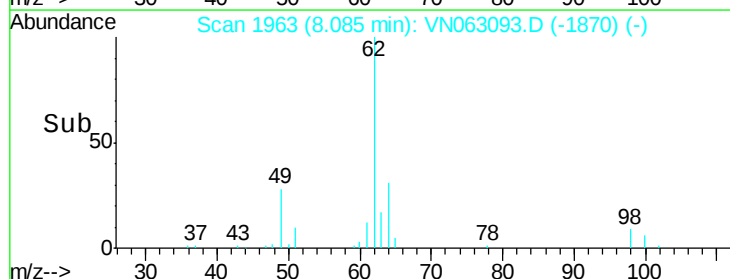
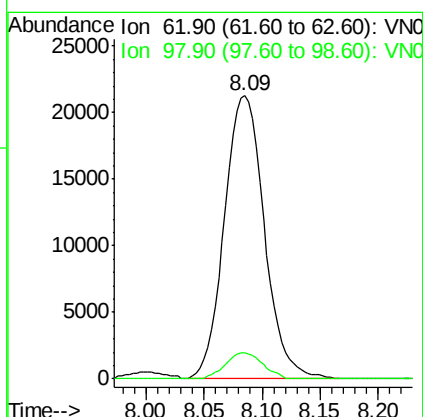
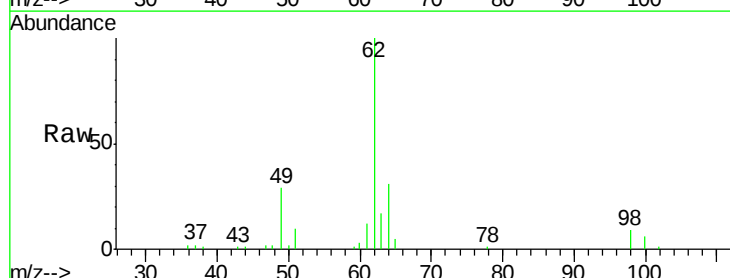
Manual Integrations
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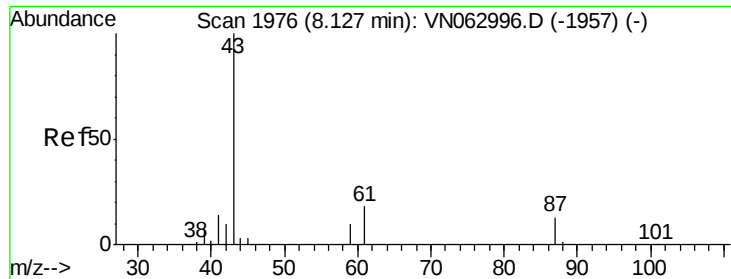
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.709 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.4





#43

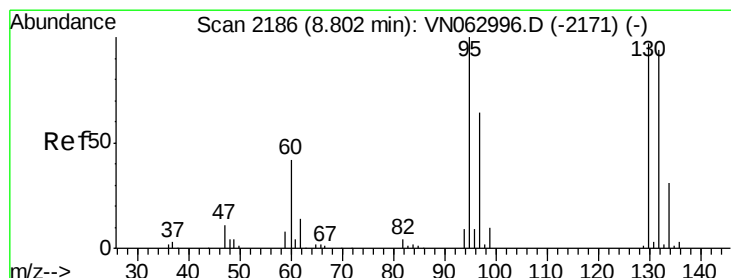
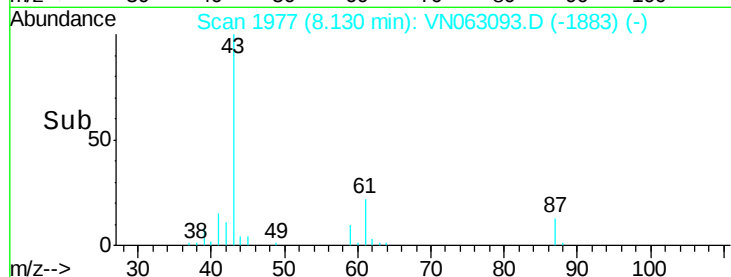
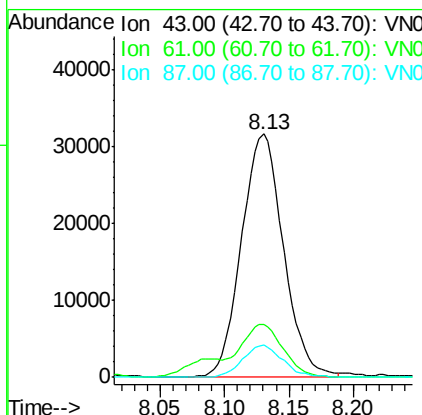
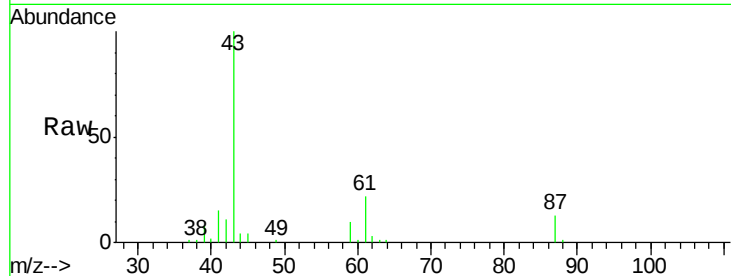
Isopropyl Acetate
 Concen: 20.012 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	22.6	33.8#
87	12.6	10.5	15.7

Manual Integrations
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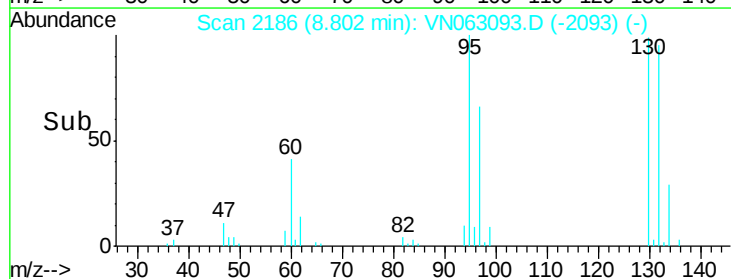
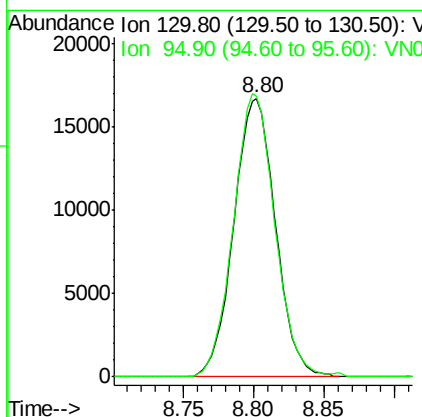
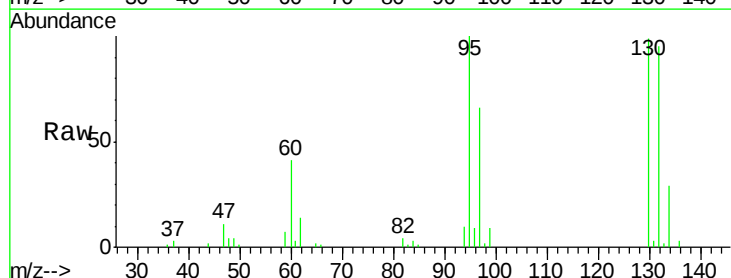
MMDadoda
 8/25/2020 12:14:26 PM

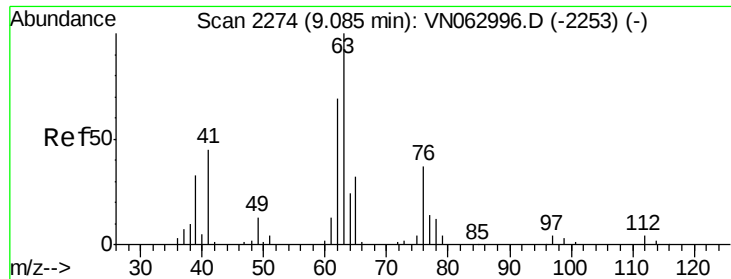


#44

Trichloroethene
 Concen: 19.008 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.6





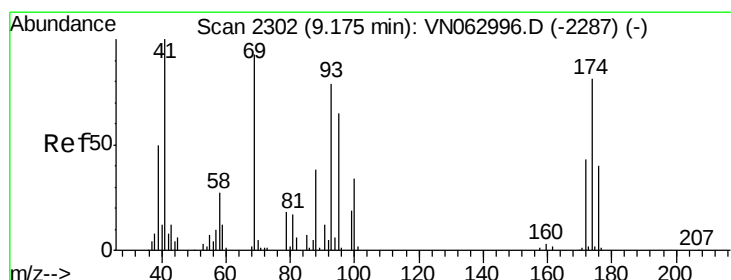
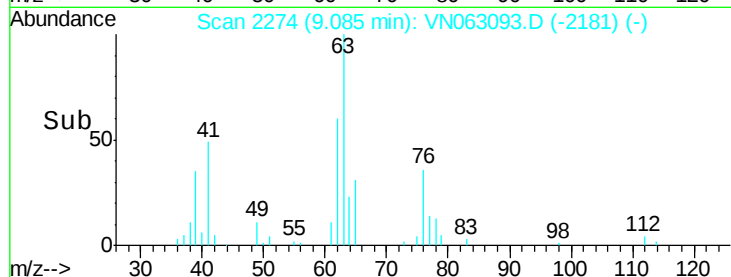
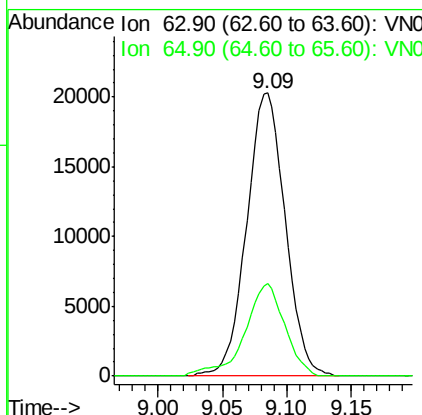
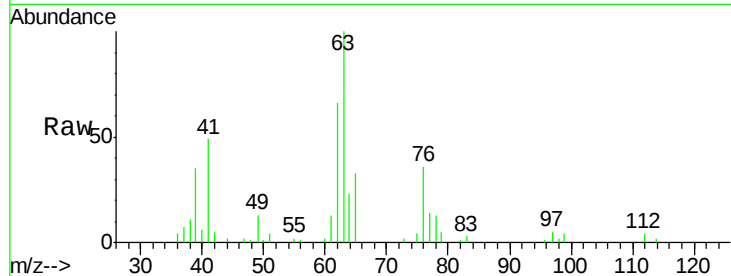
#45
 1,2-Dichloropropane
 Concen: 20.029 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion: 63 Resp: 42380
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.6 38.4

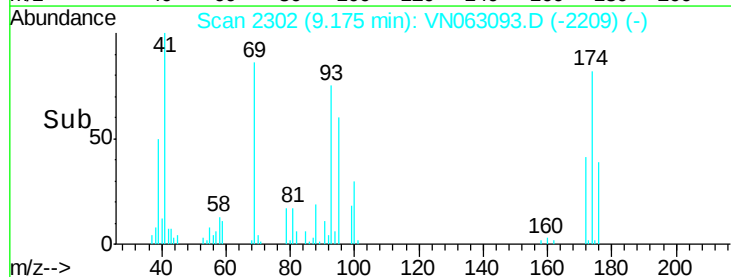
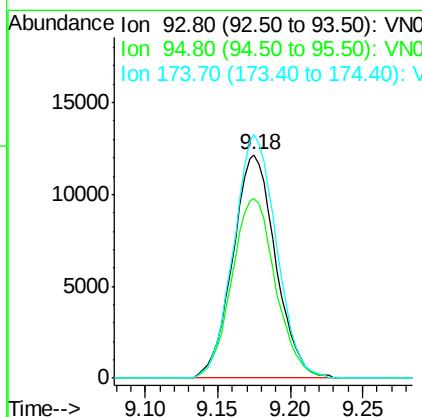
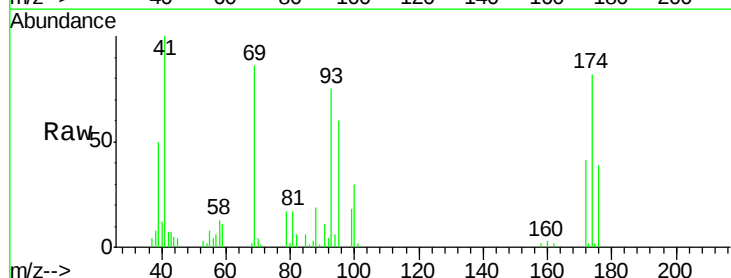
Manual Integrations
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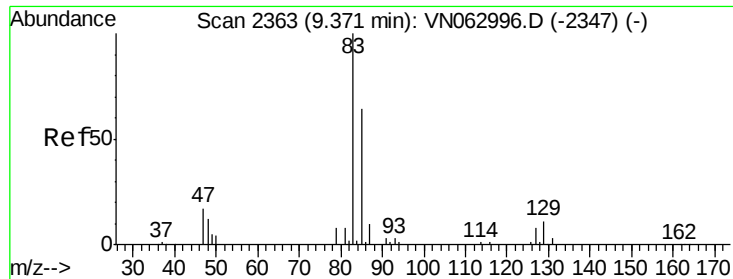
MMDadoda
 8/25/2020 12:14:26 PM



#46
 Dibromomethane
 Concen: 20.402 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion: 93 Resp: 24938
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.4
 174 108.7 84.6 127.0





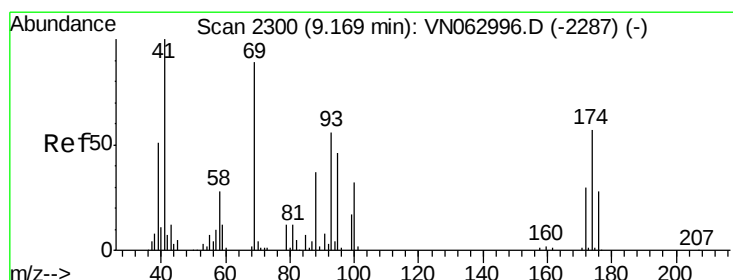
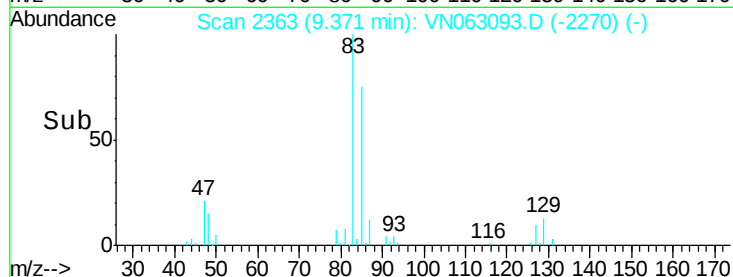
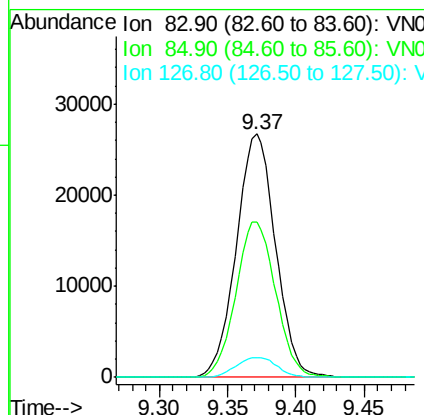
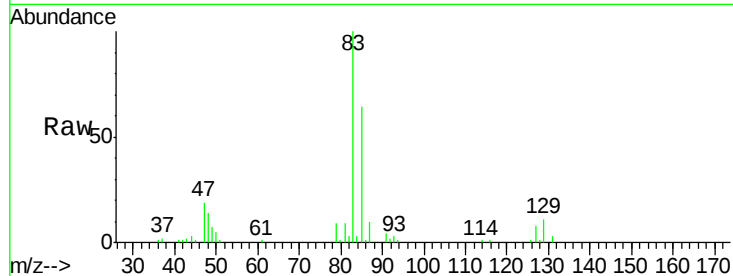
#47
Bromodichloromethane
Concen: 19.902 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD01

Tot Ion:	83	Resp:	53281
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	8.1	6.6	9.8

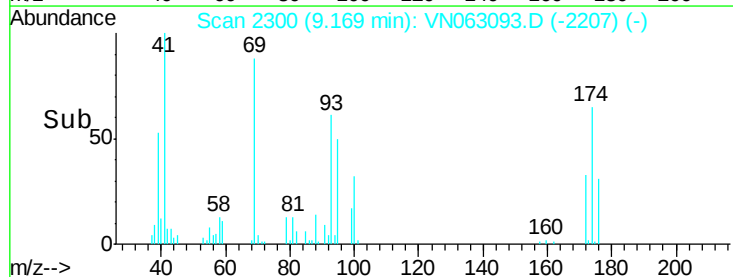
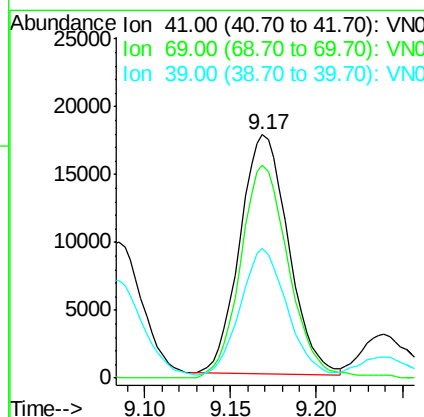
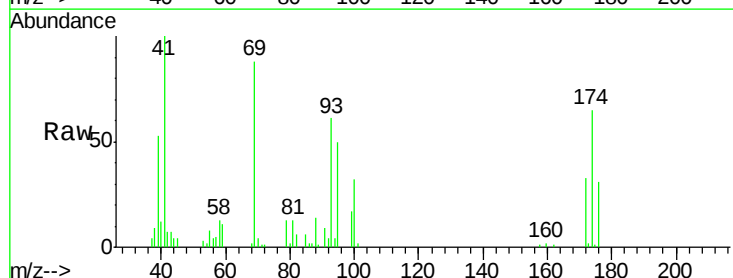
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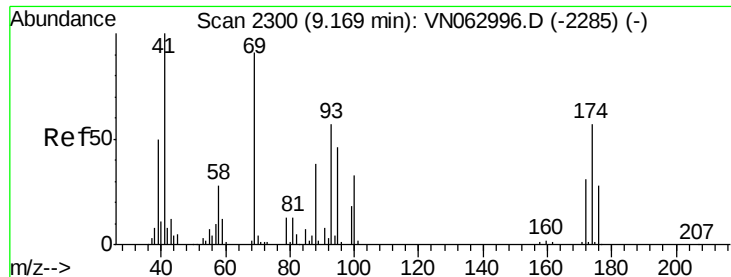
MMDadoda
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#48
Methyl methacrylate
Concen: 20.371 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion:	41	Resp:	34532
Ion Ratio	Lower	Upper	
41	100		
69	88.2	74.2	111.4
39	53.5	42.5	63.7





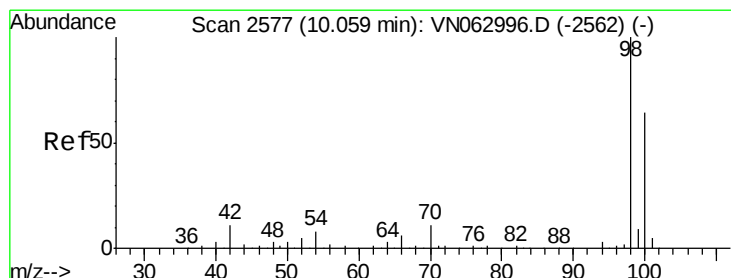
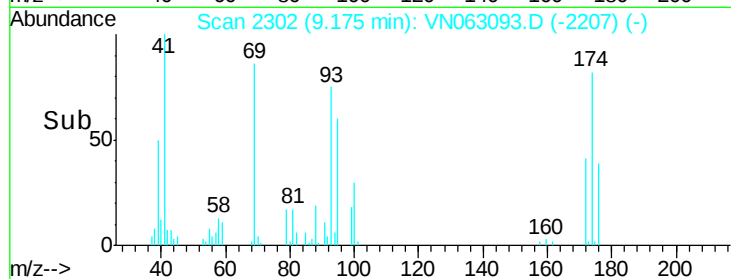
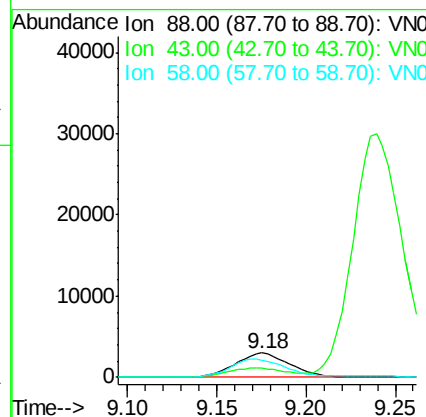
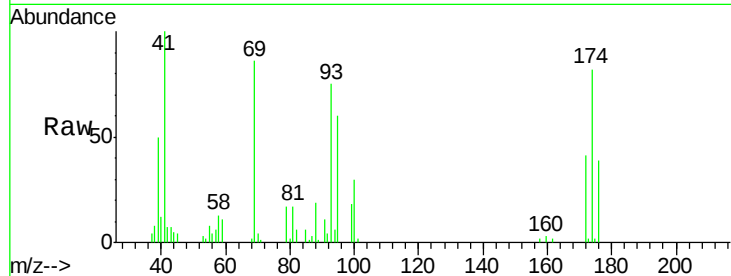
#49
1,4-Dioxane
Concen: 181.256 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	25.2	37.8#
58	78.1	56.7	85.1

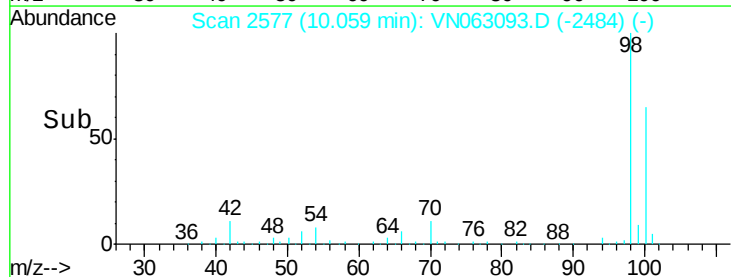
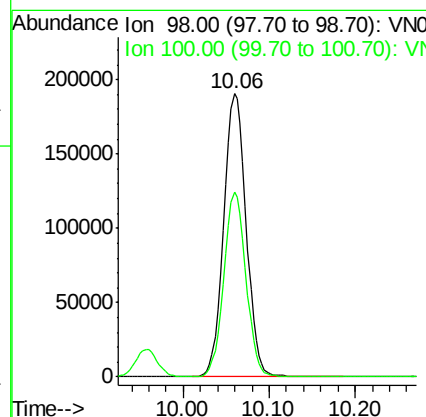
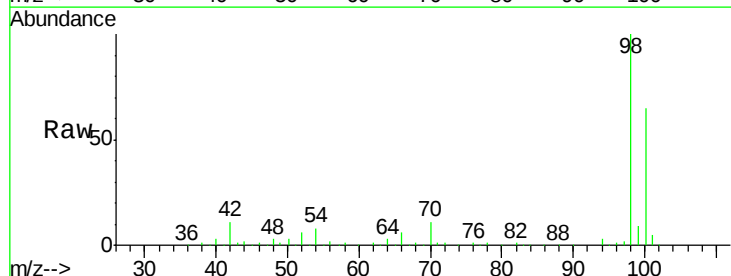
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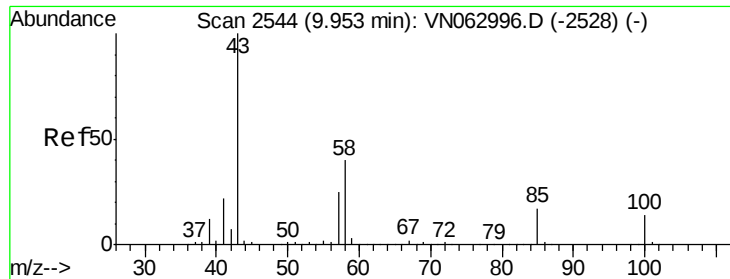
MMDadoda
8/25/2020 12:14:26 PM



#50
Toluene-d8
Concen: 52.919 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.888 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 244322

Ion Ratio Lower Upper

43 100

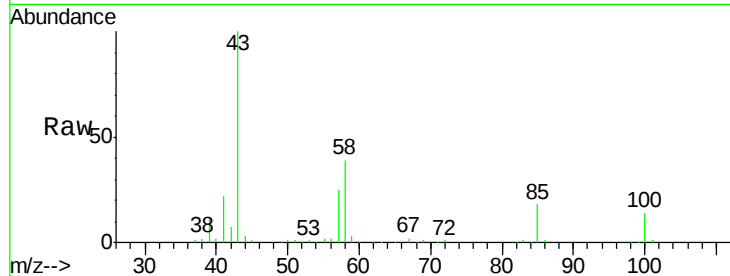
58 38.8 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

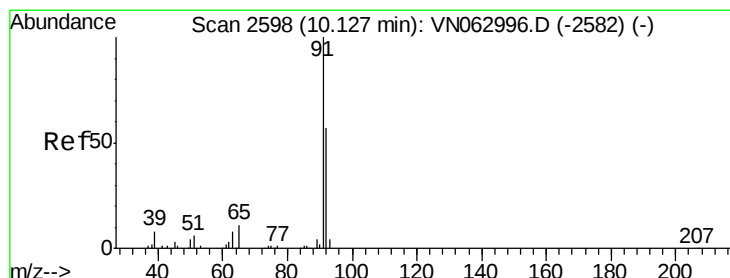
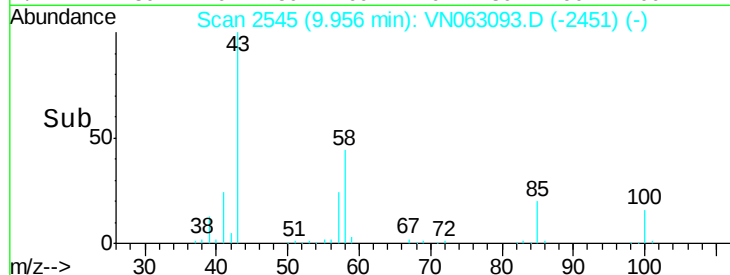
100000

50000

0

9.90 9.96 10.00

Time-->



#52

Toluene

Concen: 20.410 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063093.D

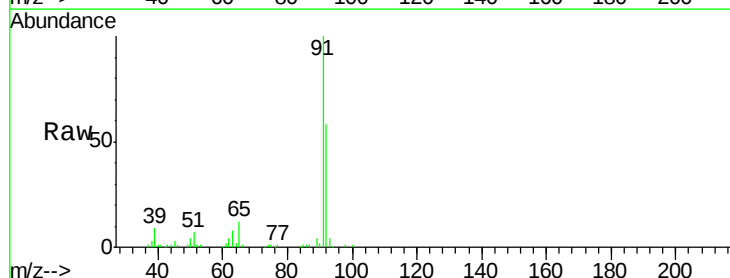
Acq: 24 Aug 2020 14:15

Tgt Ion: 92 Resp: 90122

Ion Ratio Lower Upper

92 100

91 176.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

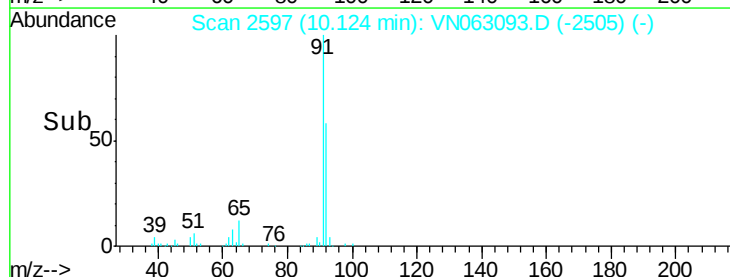
40000

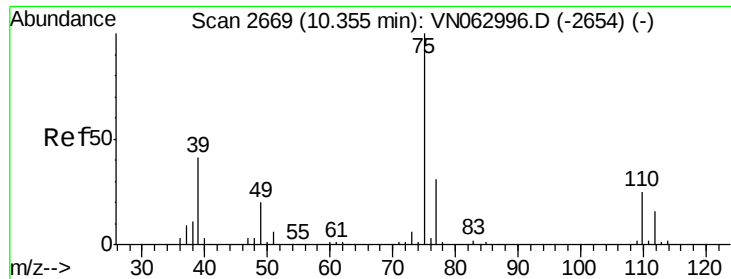
20000

0

10.05 10.10 10.12 10.15 10.20

Time-->





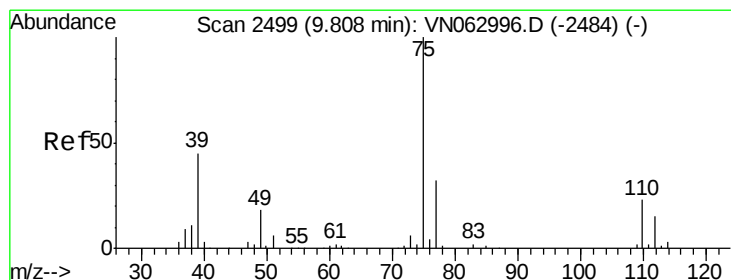
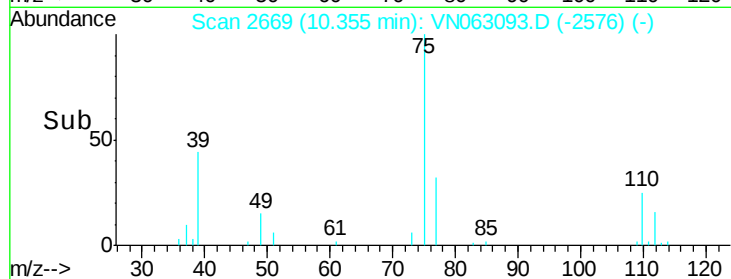
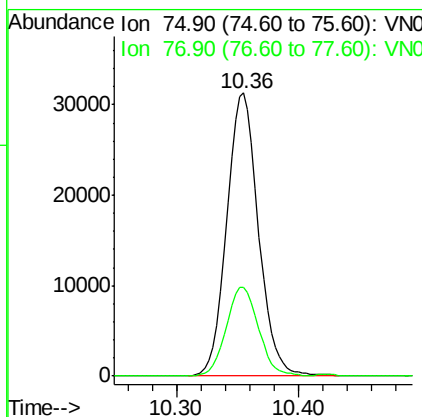
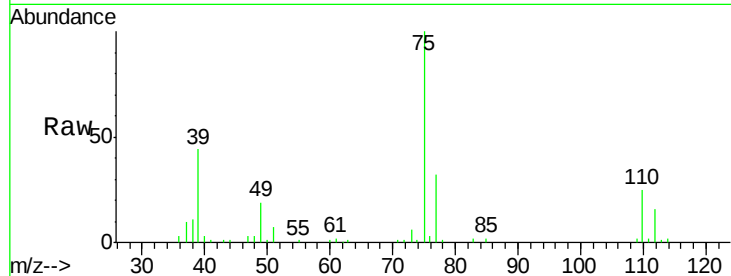
#53
 t-1,3-Dichloropropene
 Concen: 20.543 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBSD01

Tot Ion: 75 Resp: 56874
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

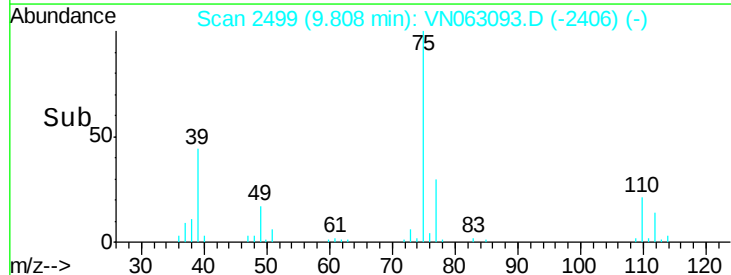
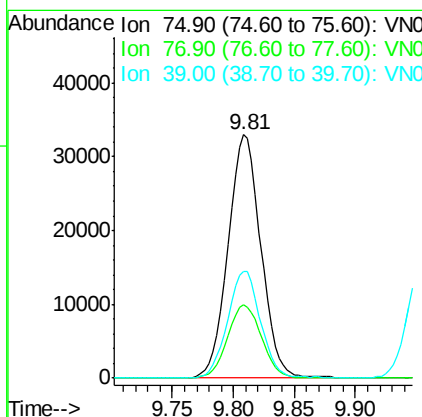
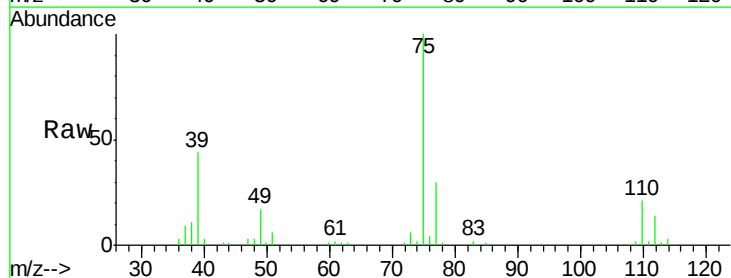
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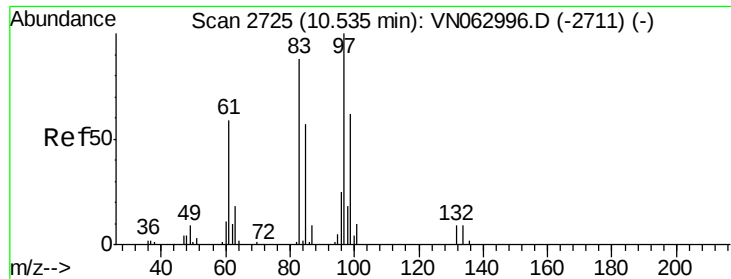
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.362 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion: 75 Resp: 61840
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.4 38.2
 39 44.0 35.7 53.5





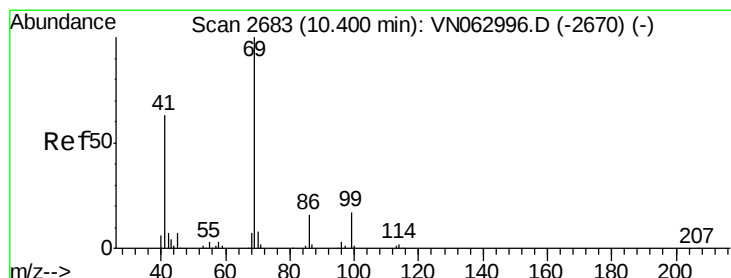
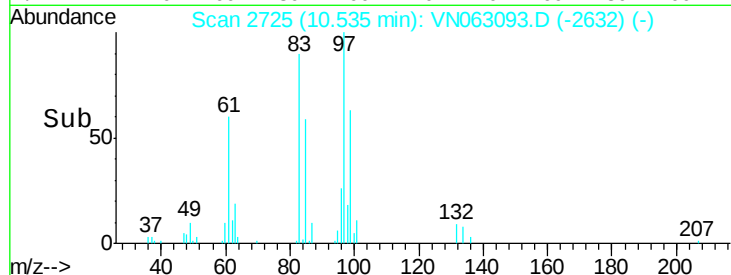
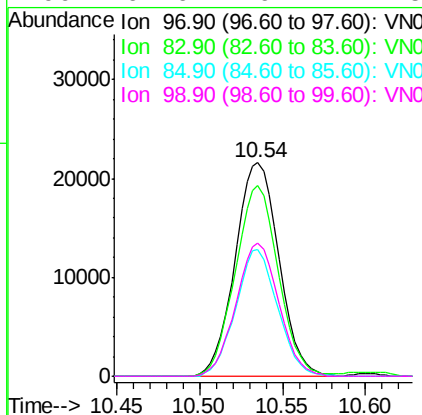
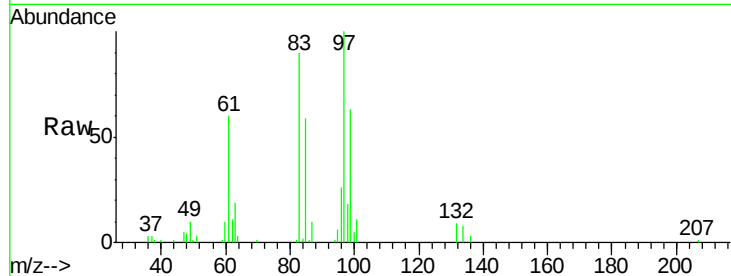
#55
 1,1,2-Trichloroethane
 Concen: 21.068 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	39779		
83	83	89.6		70.5	105.7
85	85	59.3		45.8	68.6
99	99	62.6		49.7	74.5

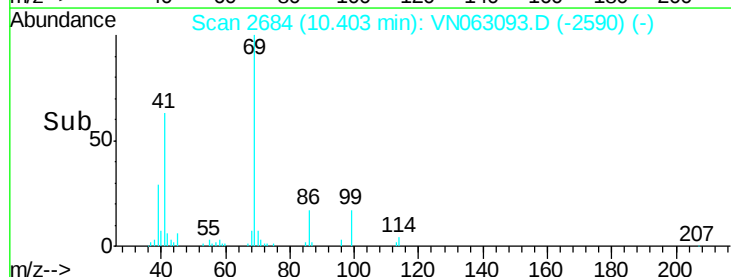
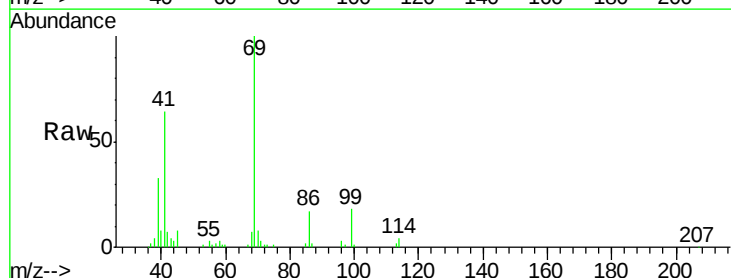
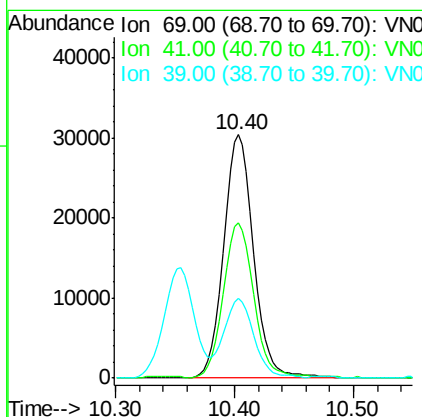
Manual Integrations
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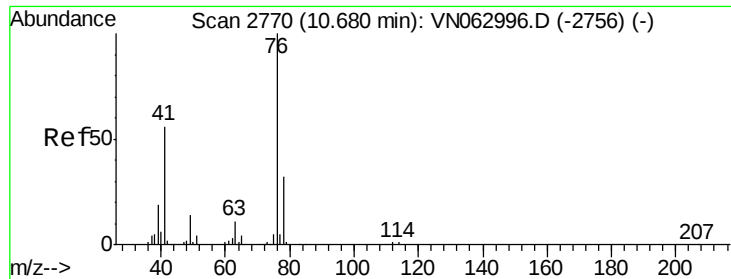
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#56
 Ethyl methacrylate
 Concen: 19.239 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	52869		
41	41	65.8		50.2	75.2
39	39	33.0		24.2	36.4





#57

1,3-Dichloropropane

Concen: 20.553 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 76 Resp: 64439

Ion Ratio Lower Upper

76 100

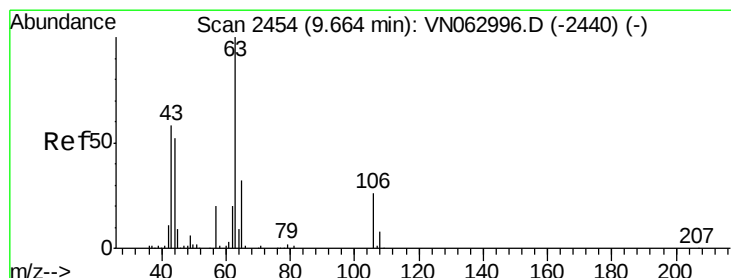
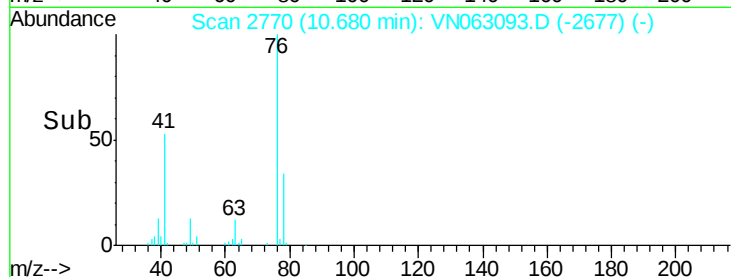
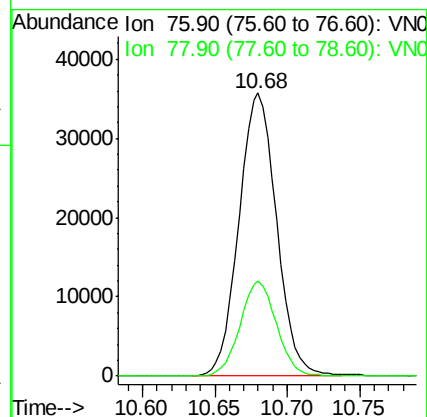
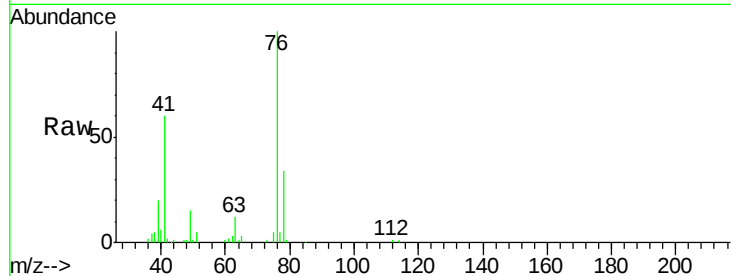
78 32.4 26.1 39.1

Manual Integrations

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8/25/2020 12:14:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.123 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063093.D

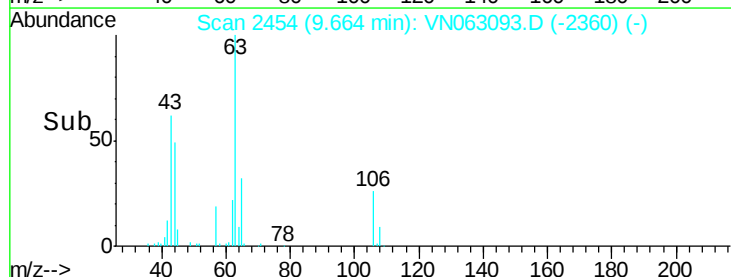
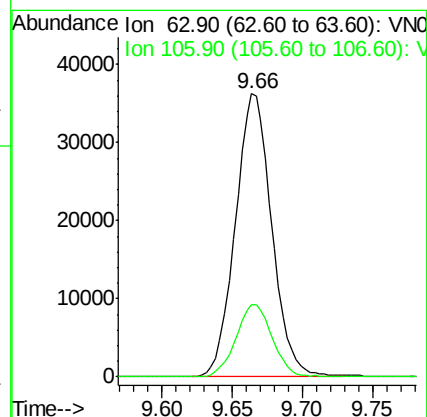
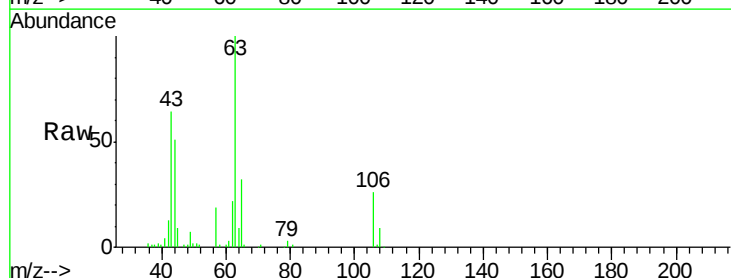
Acq: 24 Aug 2020 14:15

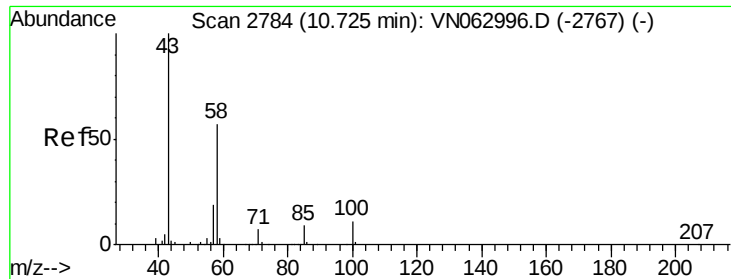
Tgt Ion: 63 Resp: 65531

Ion Ratio Lower Upper

63 100

106 25.4 20.7 31.1





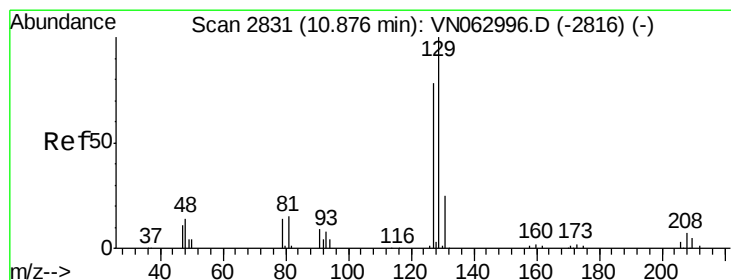
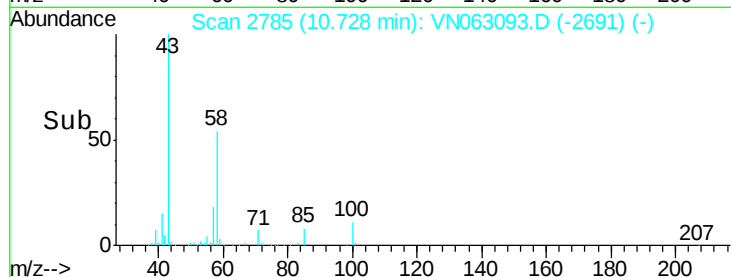
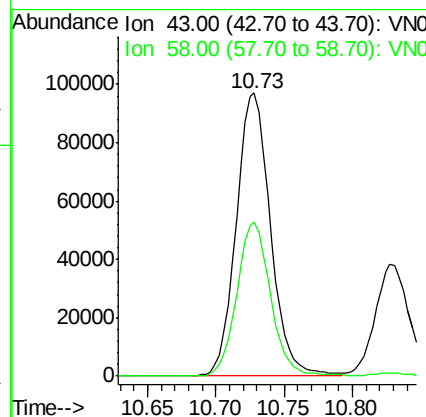
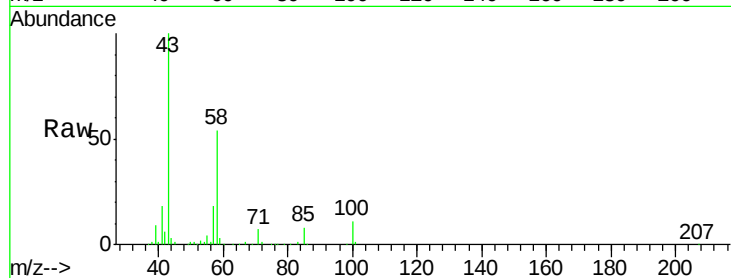
#59
2-Hexanone
Concen: 106.660 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion: 43 Resp: 168481
Ion Ratio Lower Upper
43 100
58 53.9 28.1 84.3

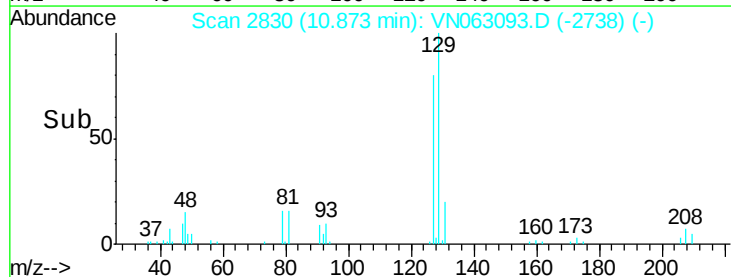
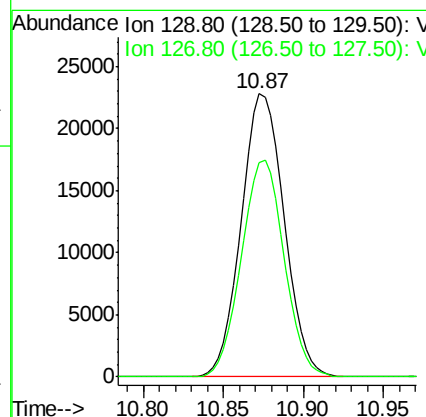
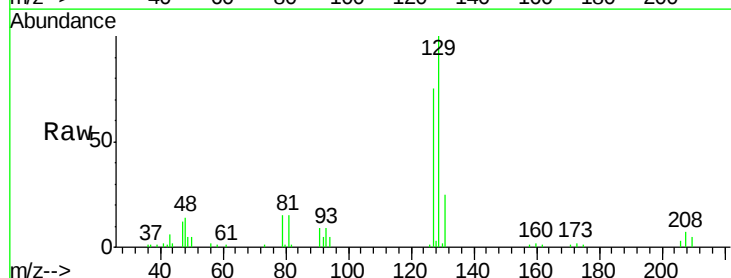
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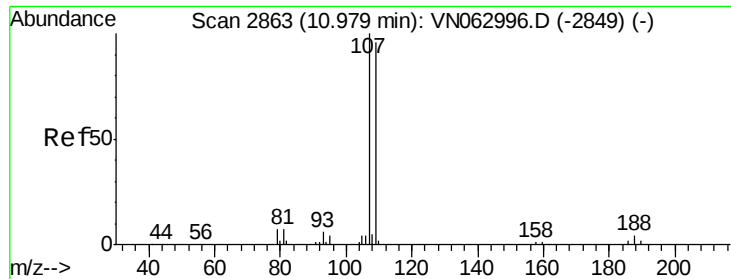
MMDadoda
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#60
Dibromochloromethane
Concen: 20.020 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion: 129 Resp: 41831
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.2





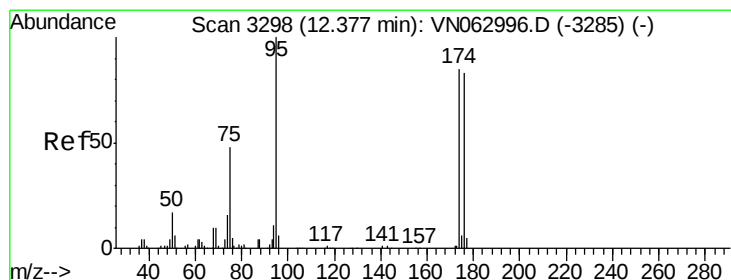
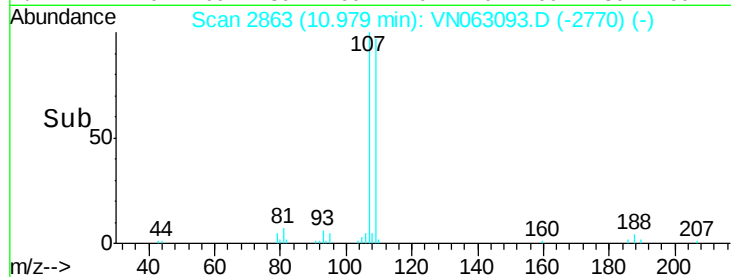
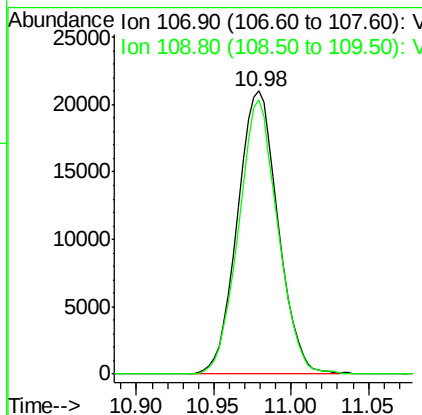
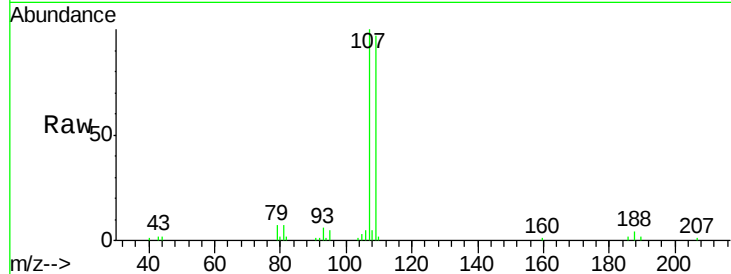
#61
 1,2-Dibromoethane
 Concen: 21.108 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.7	113.5

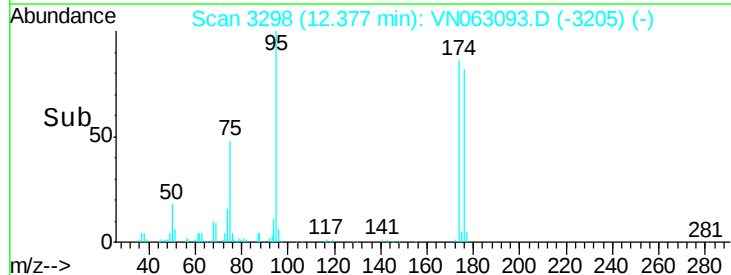
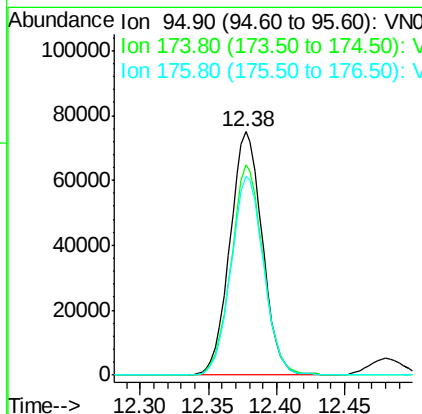
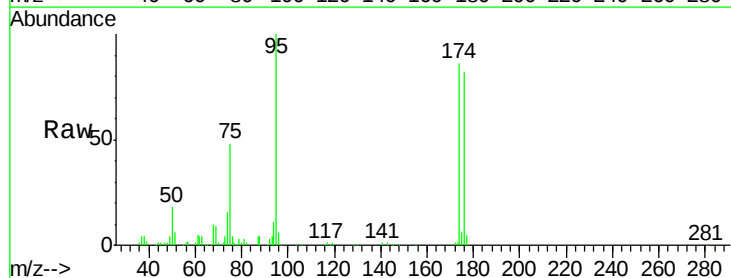
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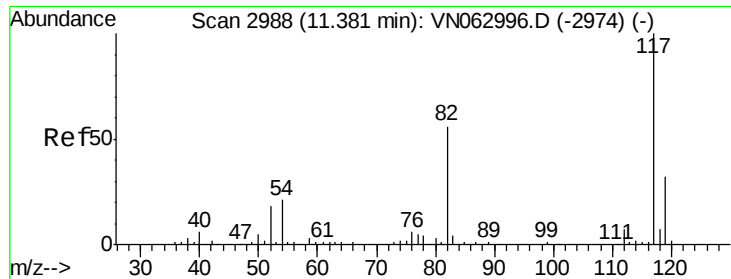
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#62
 4-Bromofluorobenzene
 Concen: 53.443 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	170.8
176	82.3	0.0	164.8





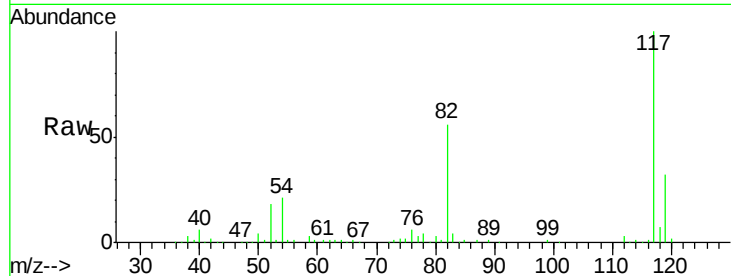
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.5	66.7
119	31.6	25.5	38.3

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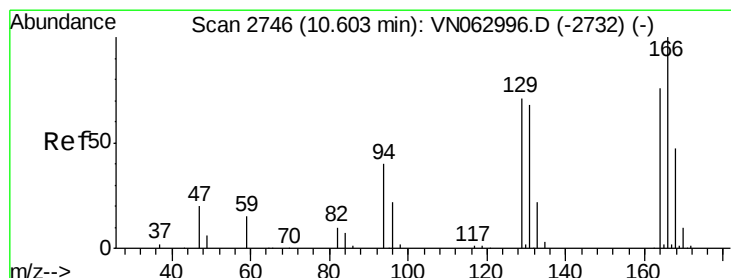
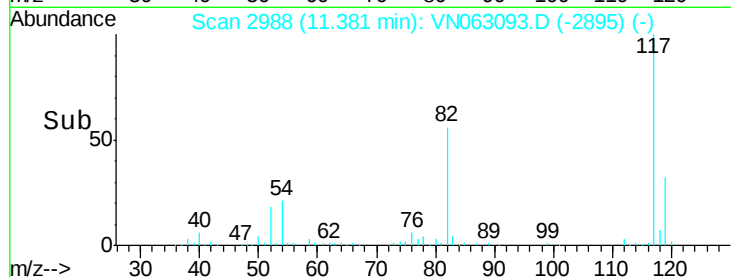
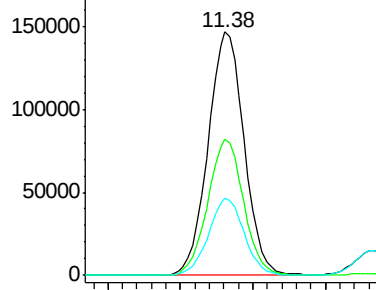


Abundance

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: 18.638 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	105.0	157.6
129	94.3	74.7	112.1
131	90.3	71.0	106.4

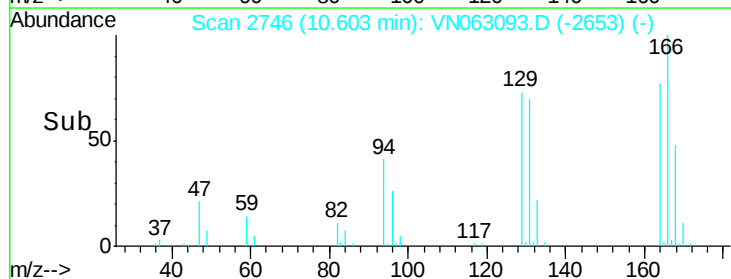
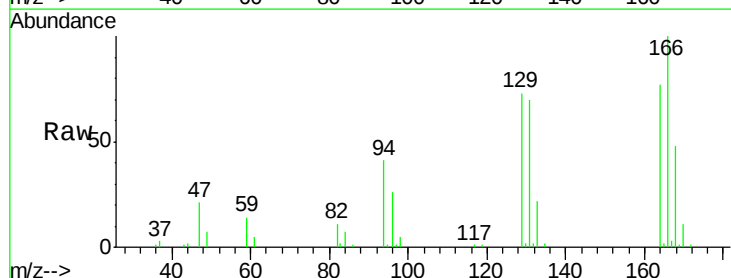
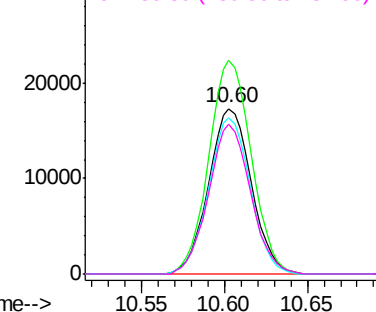
Abundance

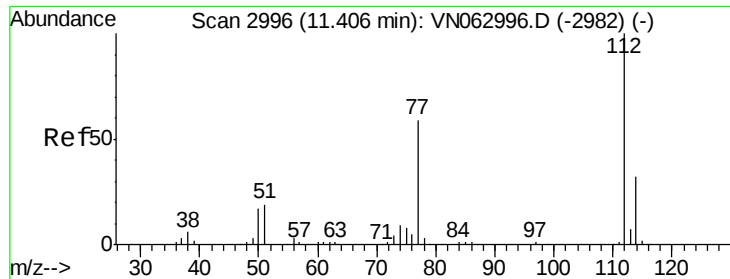
Ion 163.80 (163.50 to 164.50): V

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





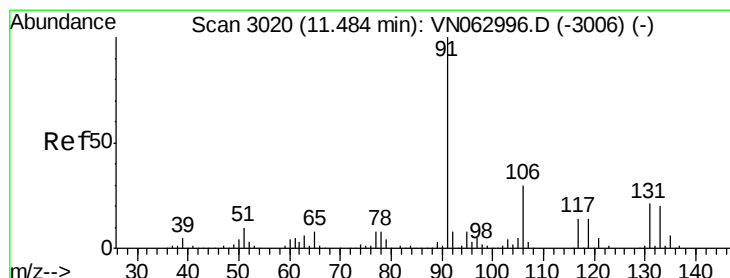
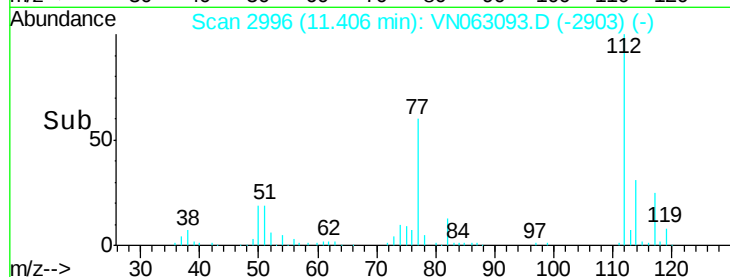
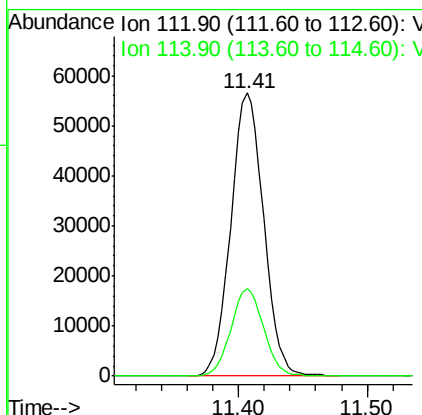
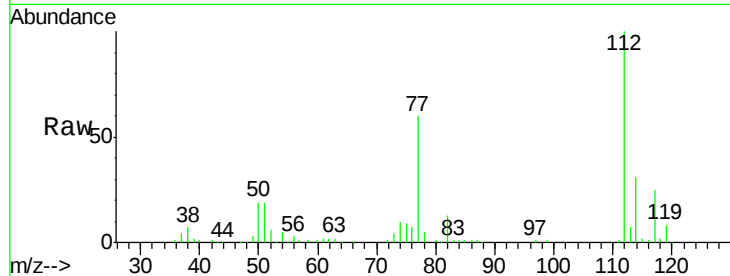
#65
Chlorobenzene
Concen: 19.689 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion:112 Resp: 99942
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9

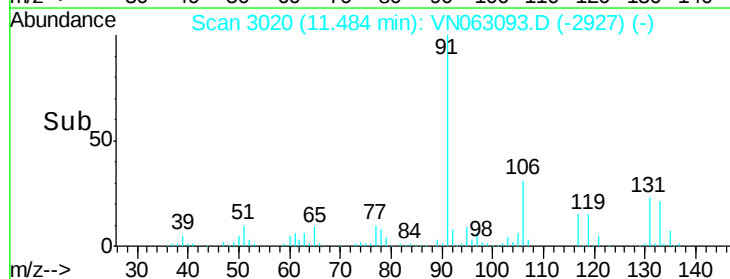
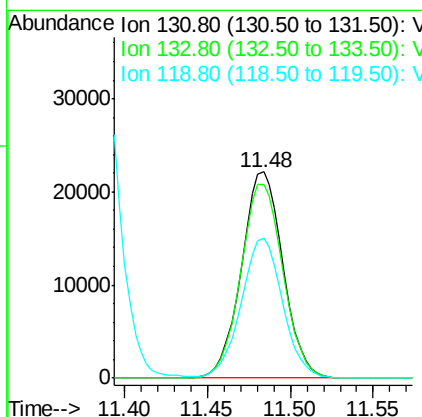
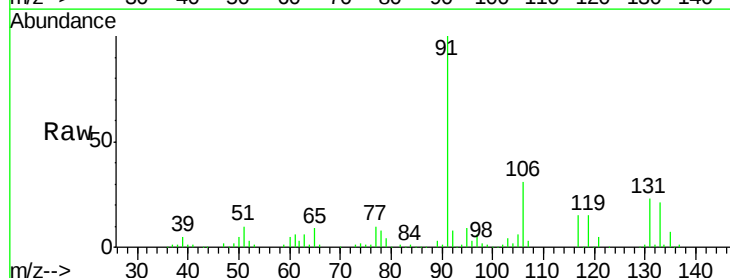
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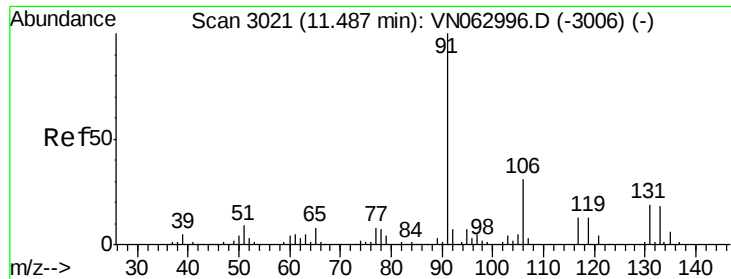
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8/25/2020 12:14:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.535 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion:131 Resp: 38570
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 67.8 33.1 99.3





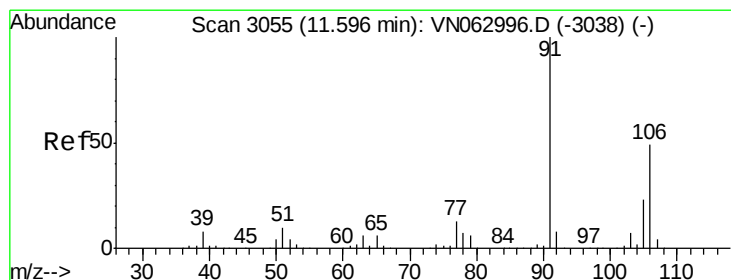
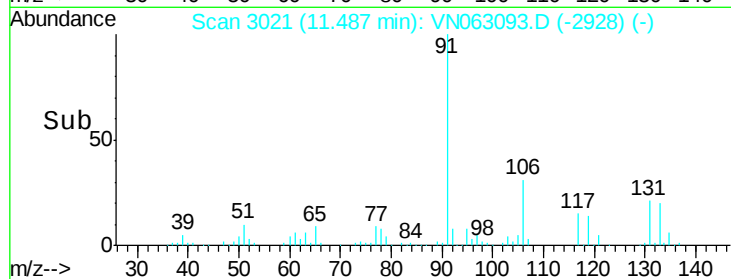
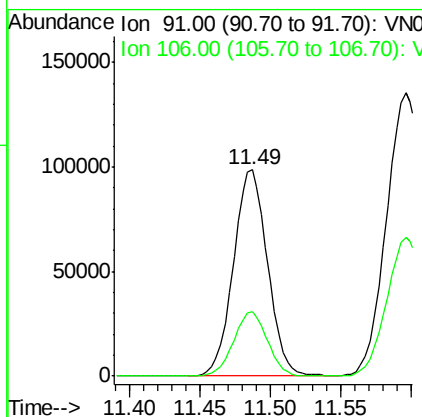
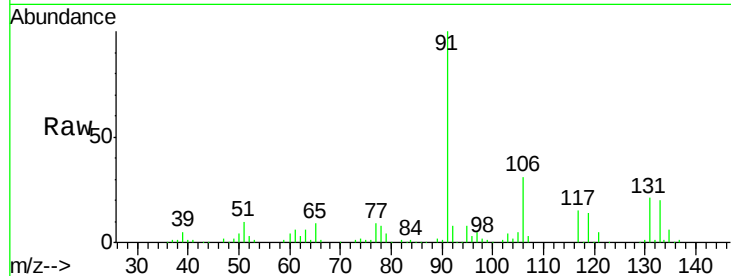
#67
Ethyl Benzene
Concen: 19.517 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD01

Tot Ion: 91 Resp: 167404
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

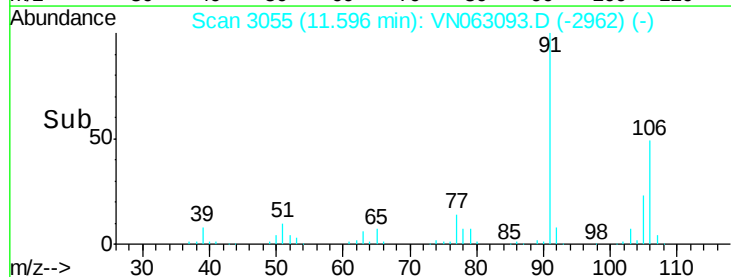
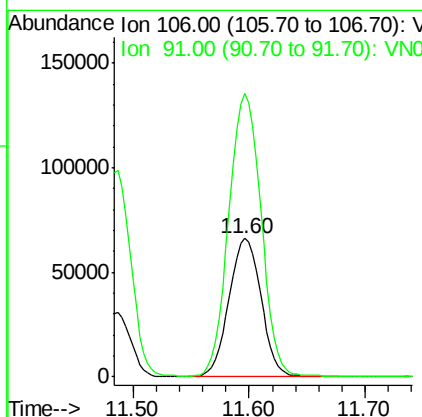
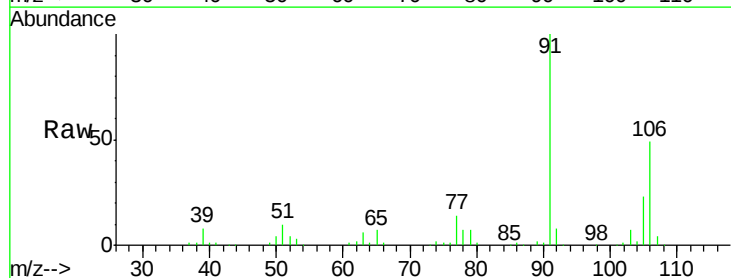
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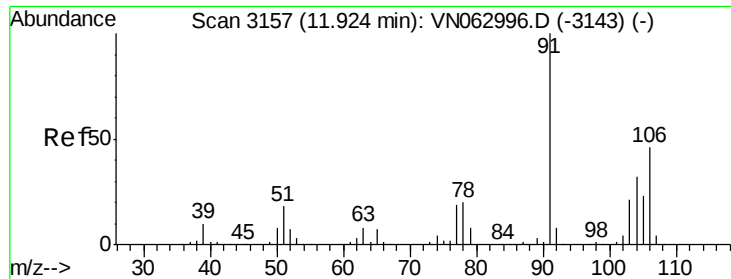
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#68
m/p-Xylenes
Concen: 40.114 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion: 106 Resp: 127877
Ion Ratio Lower Upper
106 100
91 205.2 163.0 244.4





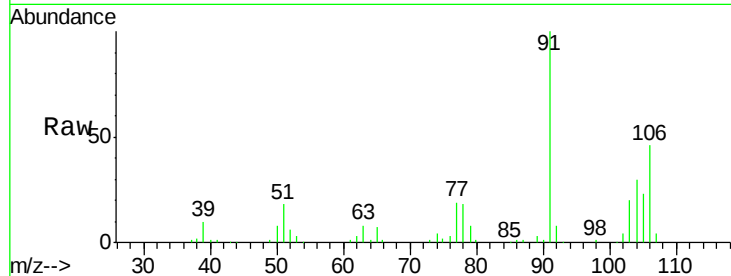
#69
o-Xylene
Concen: 20.101 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

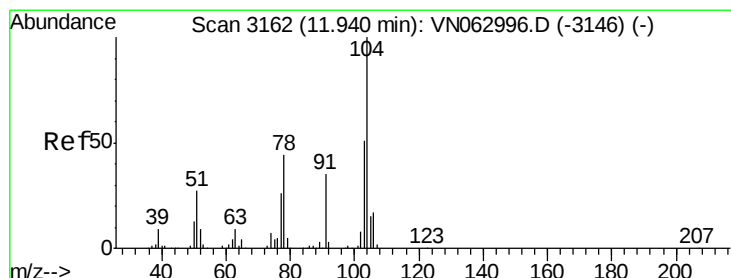
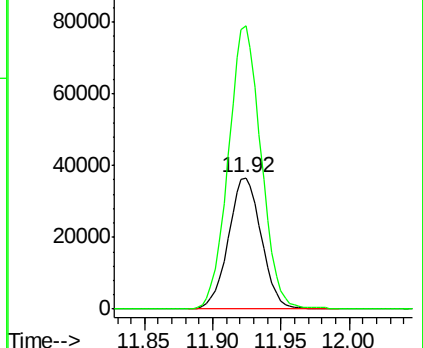
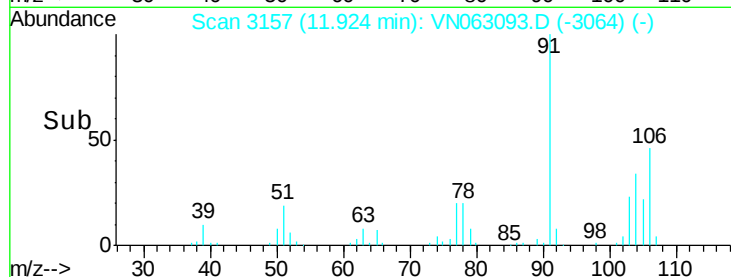
Tot Ion:106 Resp: 61535
Ion Ratio Lower Upper
106 100
91 213.9 107.3 321.9

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8/25/2020 12:14:26 PM

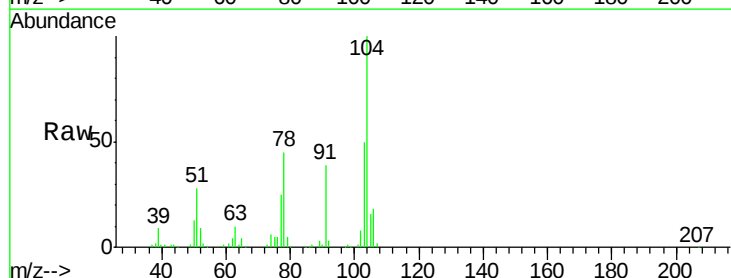


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

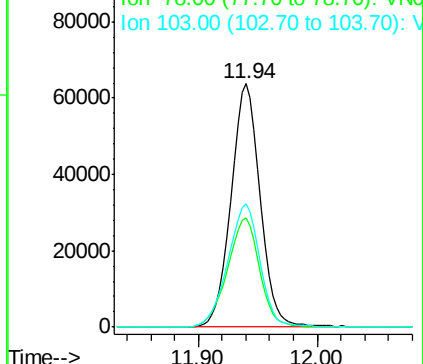
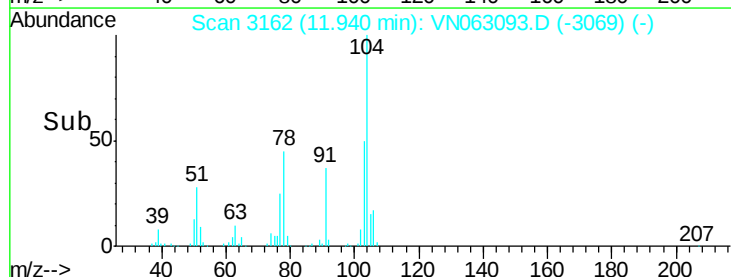


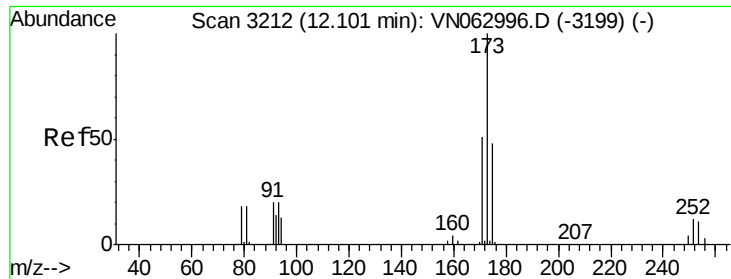
#70
Styrene
Concen: 19.051 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion:104 Resp: 108211
Ion Ratio Lower Upper
104 100
78 49.3 39.0 58.6
103 55.6 44.3 66.5



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





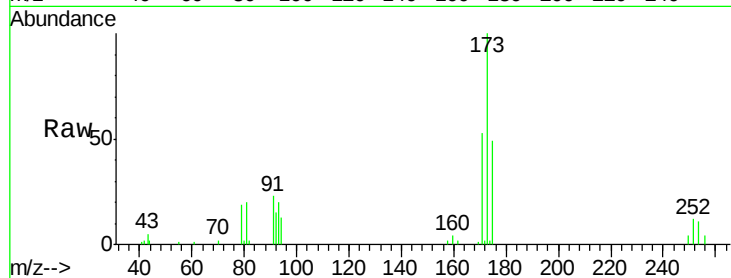
#71
Bromoform
Concen: 20.384 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

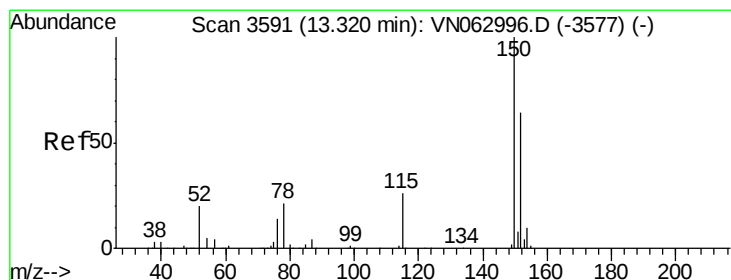
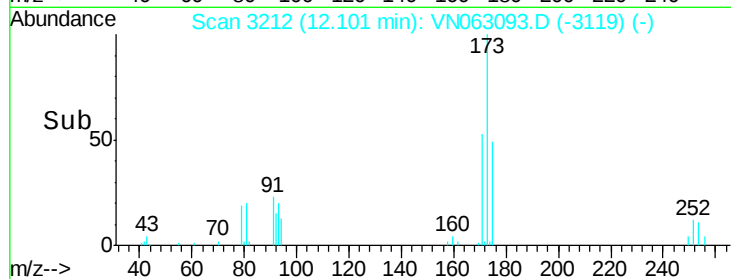
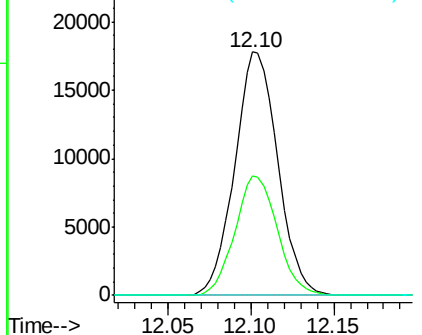
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0

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8/25/2020 12:14:26 PM

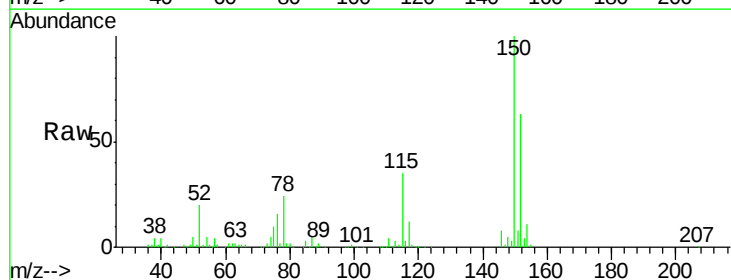


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

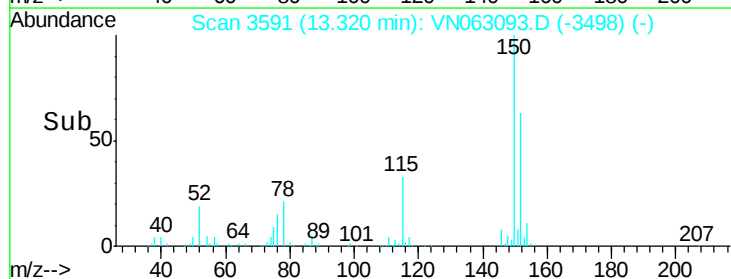
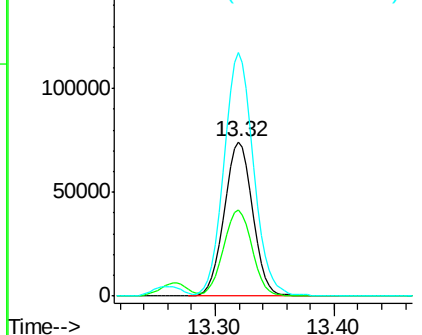


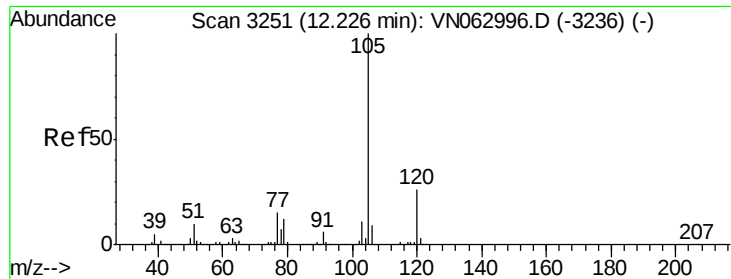
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.7	86.3
150	163.5	0.0	348.8



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: 19.497 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD01

Tot Ion:105 Resp: 164737

Ion Ratio Lower Upper

105 100

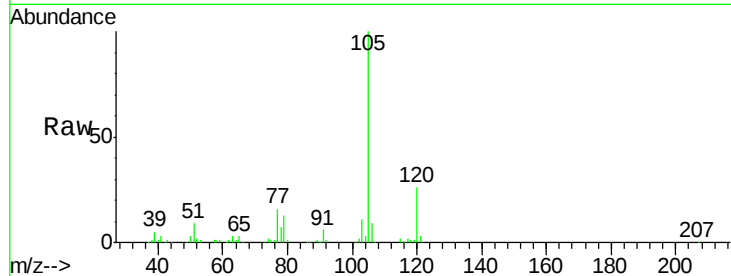
120 25.9 13.2 39.6

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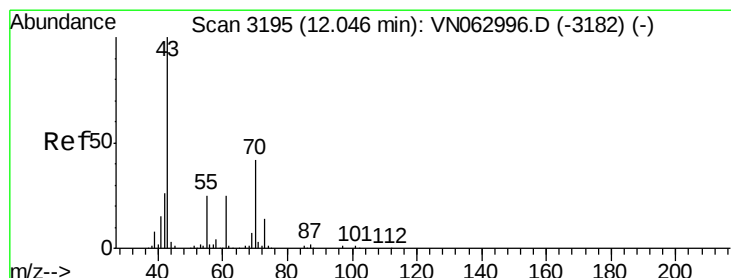
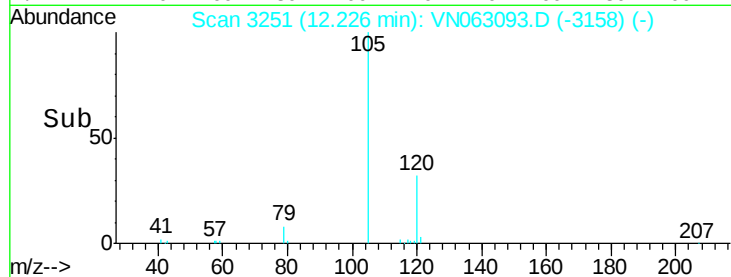
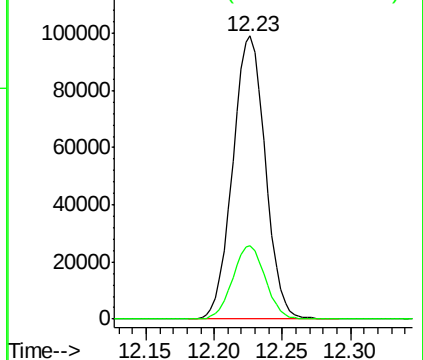
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.950 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion: 43 Resp: 66423

Ion Ratio Lower Upper

43 100

70 40.1 33.4 50.0

55 25.1 20.2 30.2

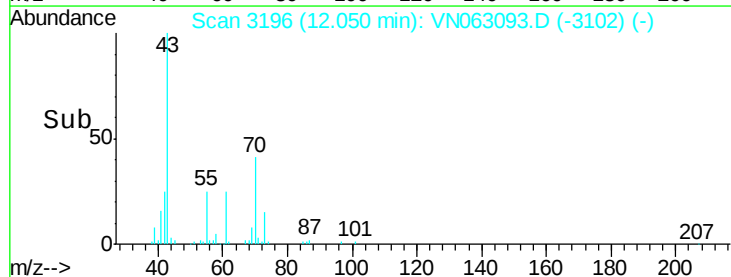
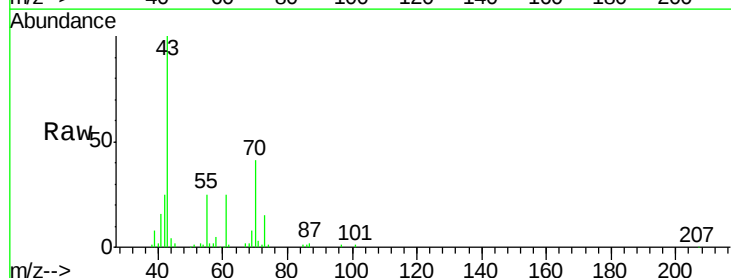
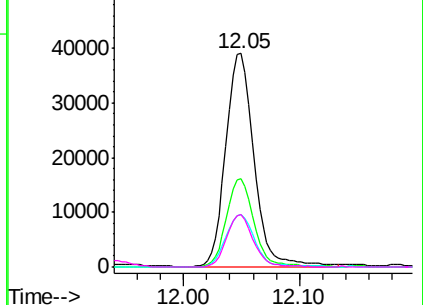
61 23.0 19.9 29.9

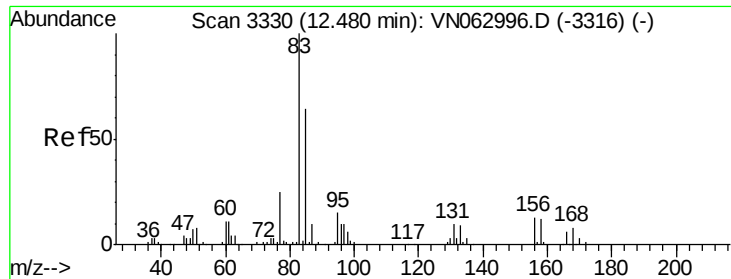
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.139 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

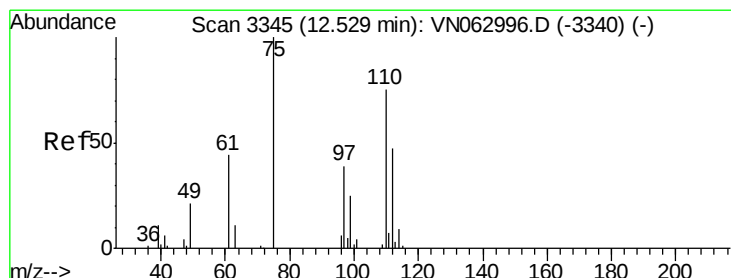
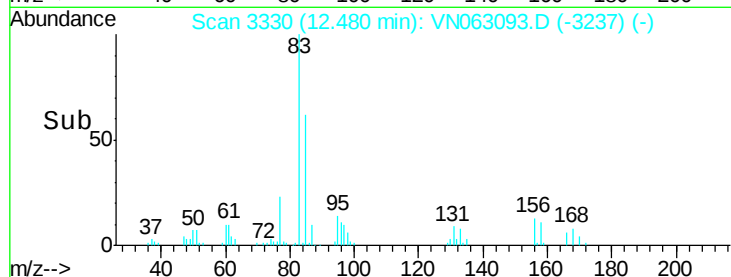
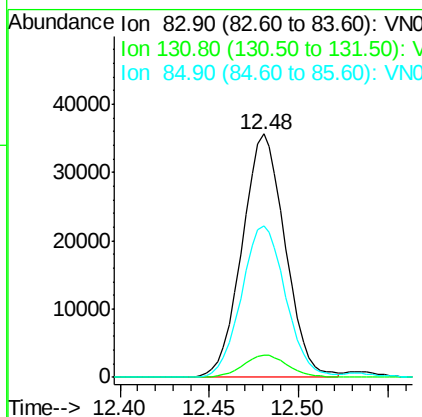
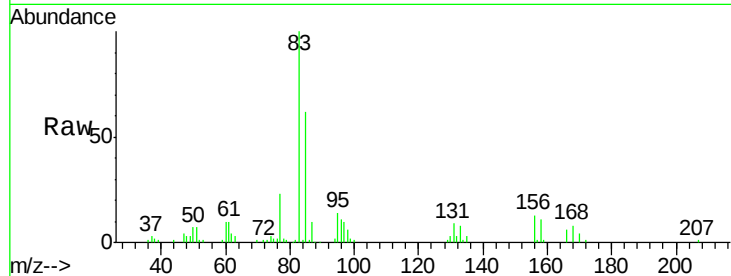
ClientSampleId :

VN0824WBSD01

Tot Ion:	83	Resp:	60286
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.321 ug/l m

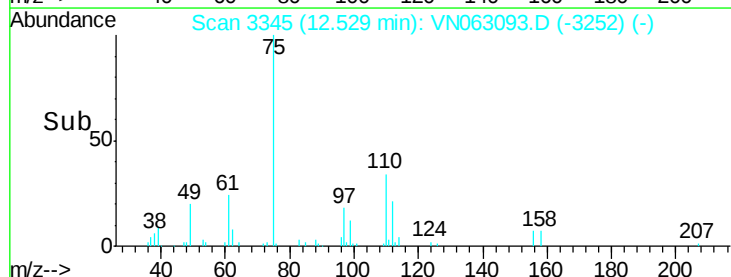
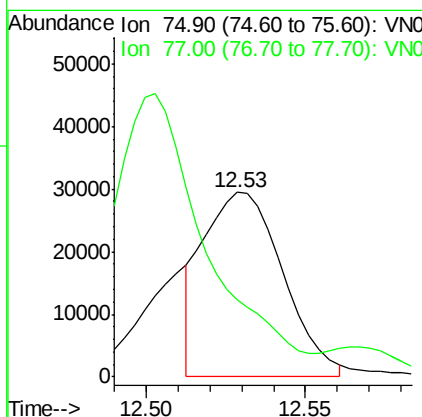
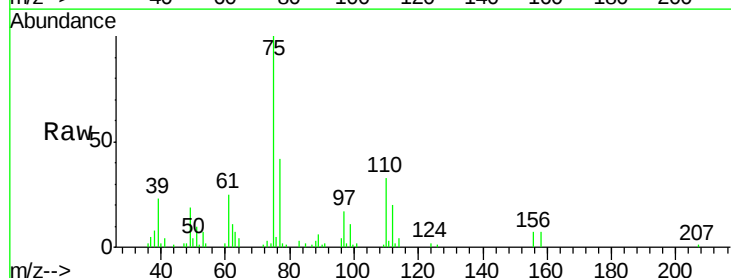
RT: 12.53 min Scan# 3345

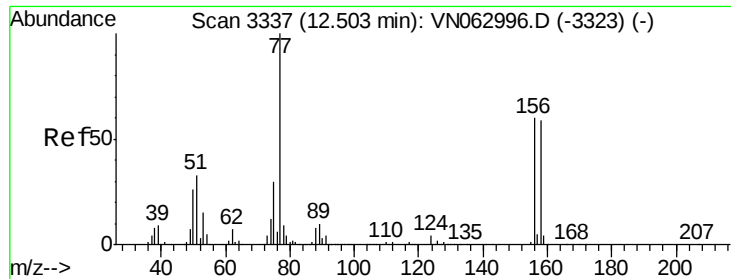
Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion:	75	Resp:	51134
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





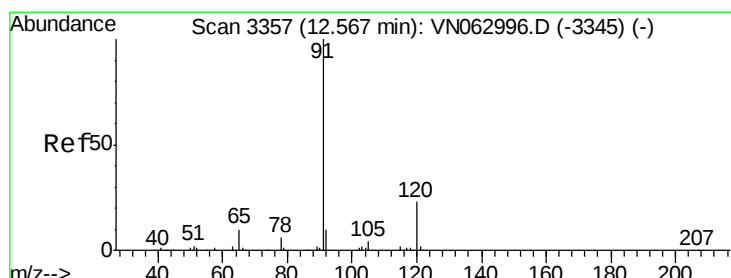
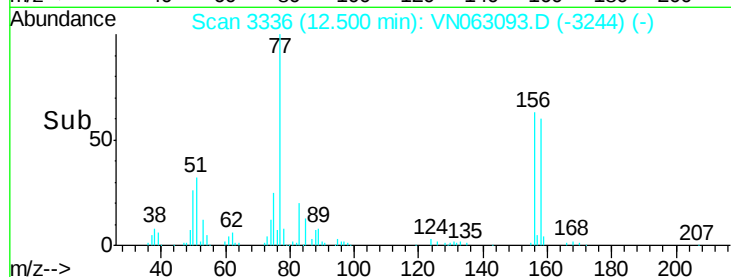
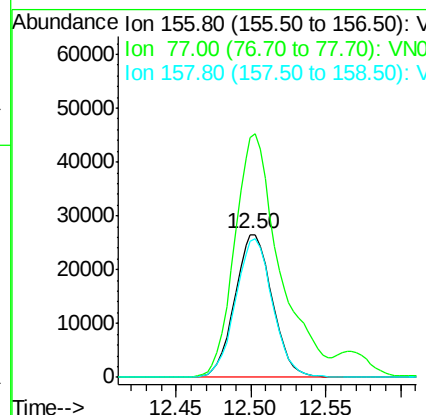
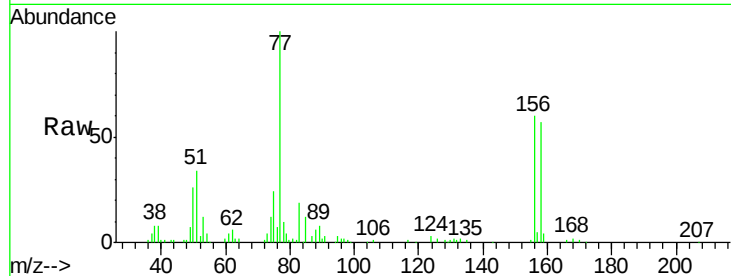
#77
Bromobenzene
Concen: 19.883 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.1	101.0	302.9
158	95.7	49.4	148.0

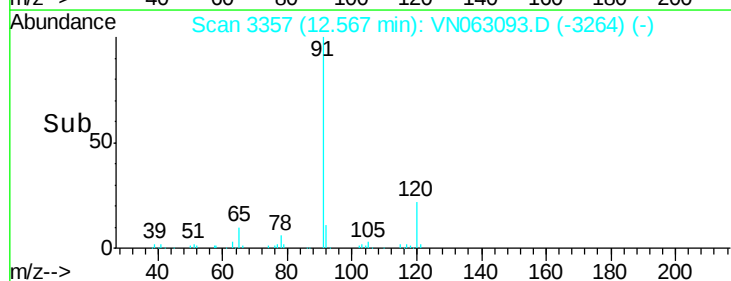
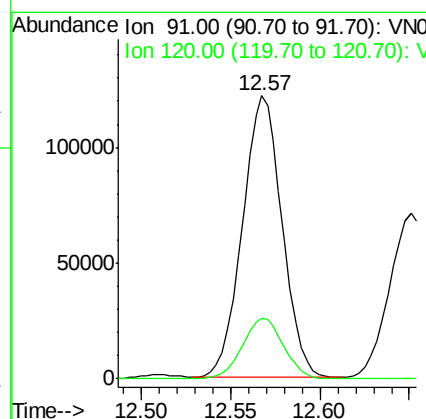
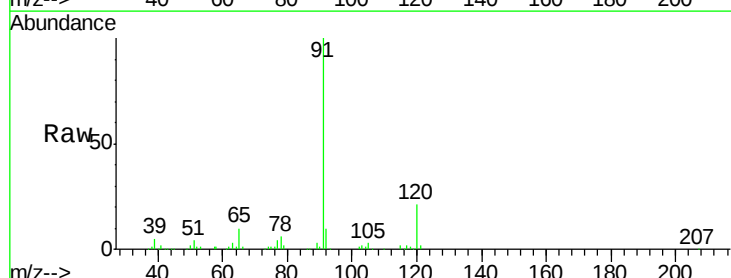
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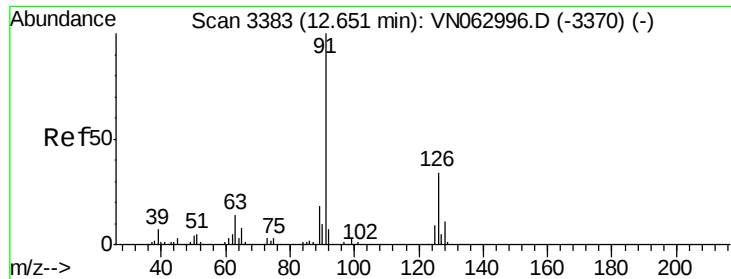
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#78
n-propylbenzene
Concen: 19.602 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 19.274 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 91 Resp: 116754

Ion Ratio Lower Upper

91 100

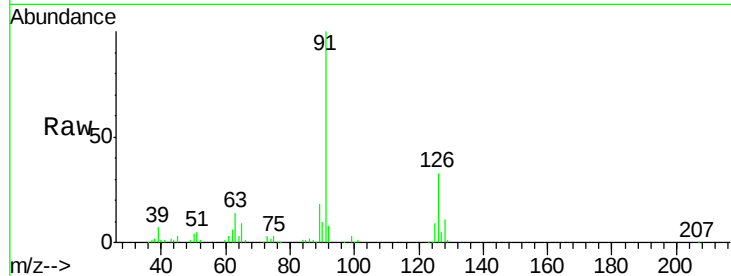
126 33.9 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VN063093.D (-3290) (-)

Ion 125.90 (125.60 to 126.60): VN063093.D (-3290) (-)

120000

100000

80000

60000

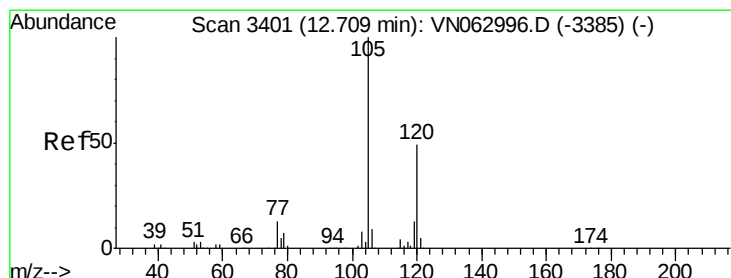
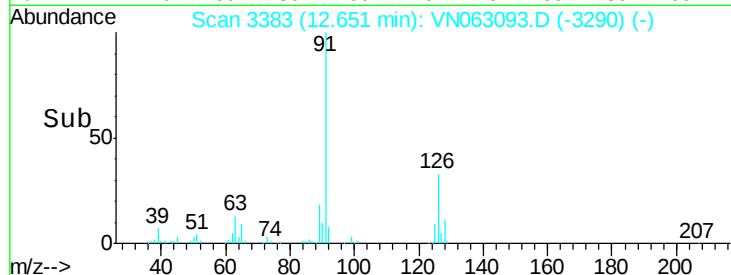
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.738 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063093.D

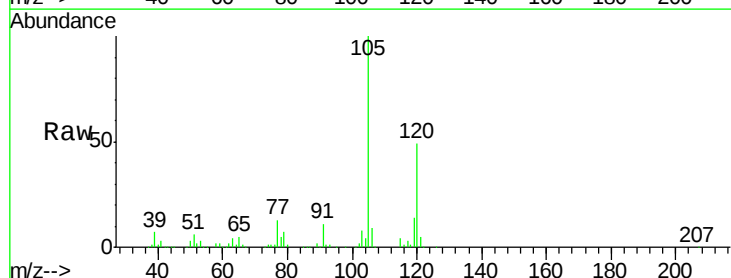
Acq: 24 Aug 2020 14:15

Tgt Ion: 105 Resp: 137863

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN063093.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN063093.D (-3308) (-)

100000

80000

60000

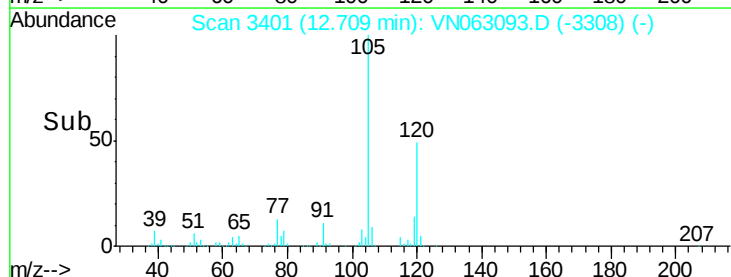
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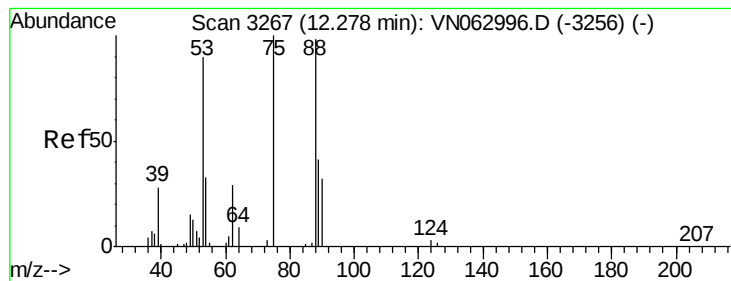
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.866 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Instrument :

MSVOA_N

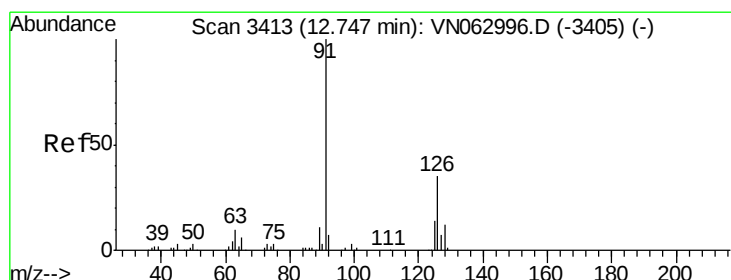
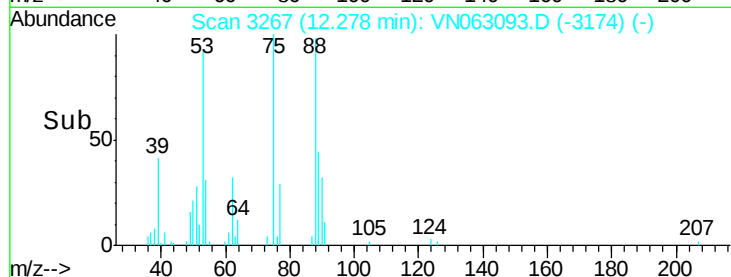
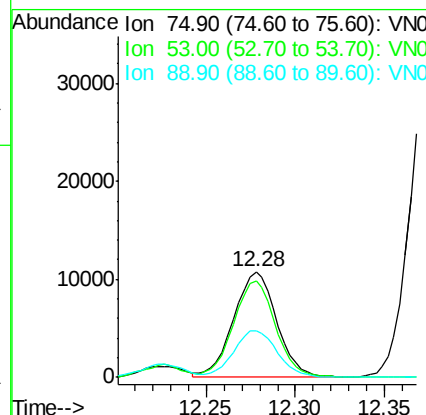
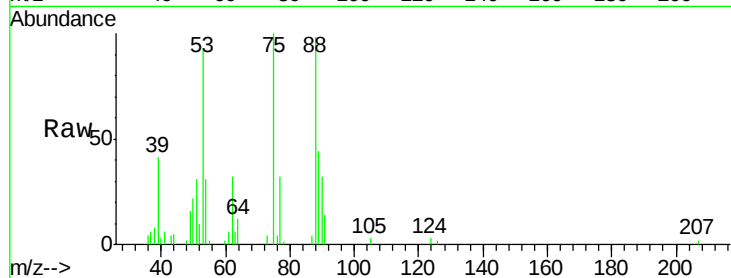
ClientSampleId :

VN0824WBSD01

Tot Ion:	75	Resp:	18221
Ion	Ratio	Lower	Upper
75	100		
53	89.5	69.2	103.8
89	44.5	34.2	51.4

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#82

4-Chlorotoluene

Concen: 19.487 ug/l

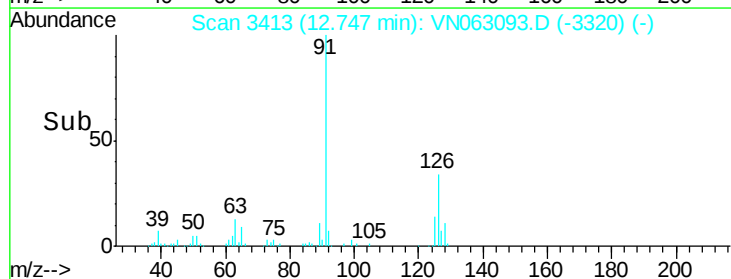
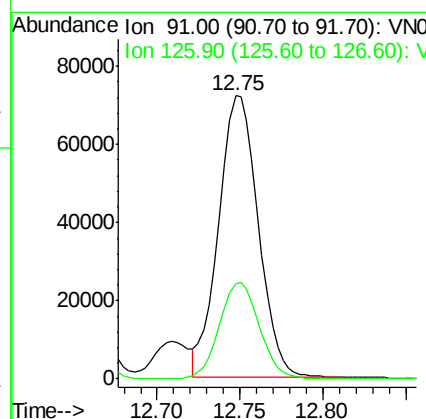
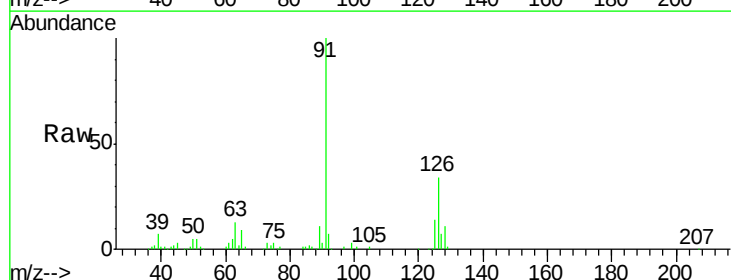
RT: 12.75 min Scan# 3413

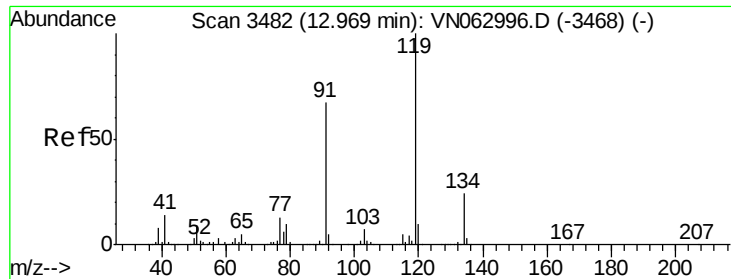
Delta R.T. 0.00 min

Lab File: VN063093.D

Acq: 24 Aug 2020 14:15

Tgt Ion:	91	Resp:	120199
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.5	49.5





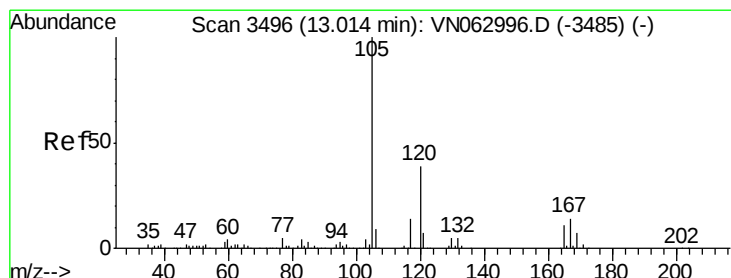
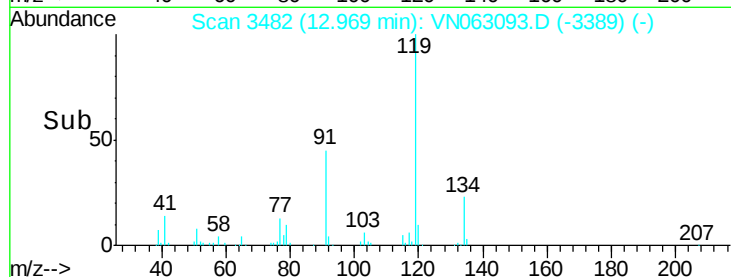
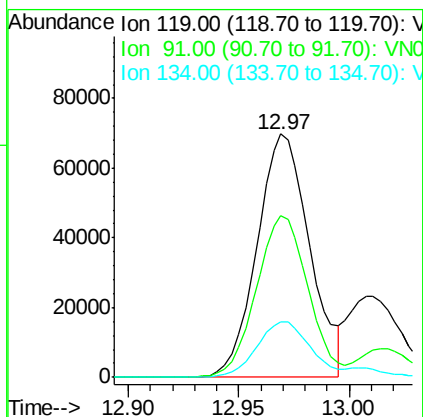
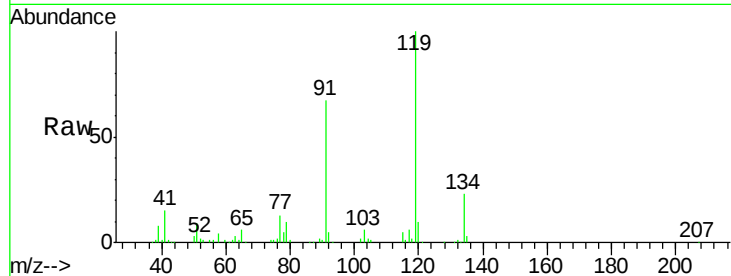
#83
tert-Butylbenzene
Concen: 19.177 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.5	97.4
134	23.2	13.1	39.3

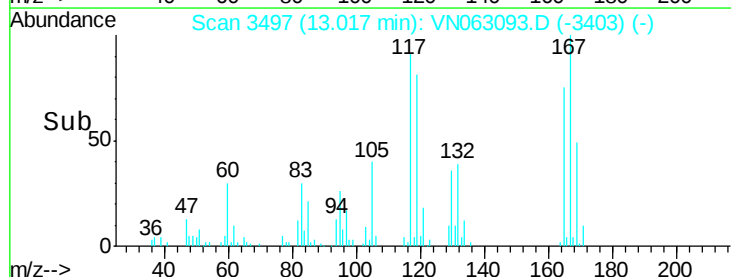
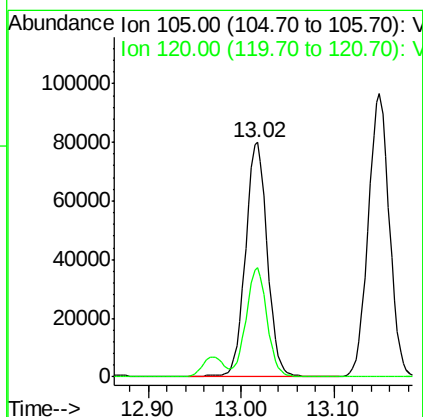
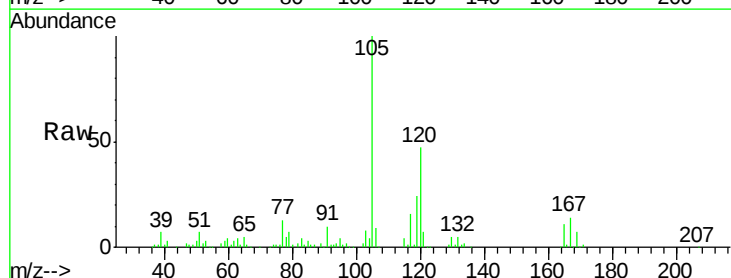
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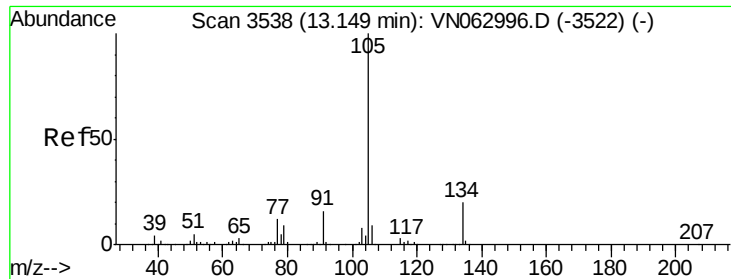
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#84
1,2,4-Trimethylbenzene
Concen: 19.161 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.5	67.5





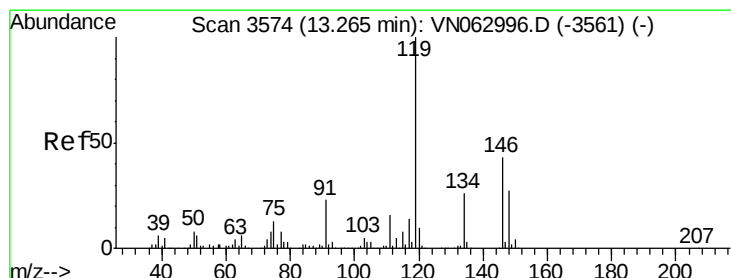
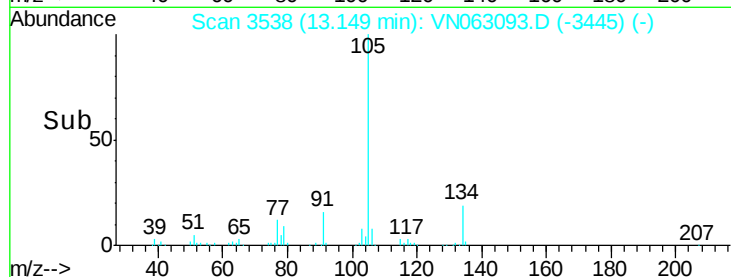
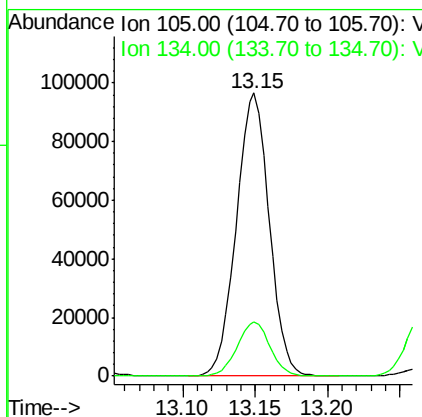
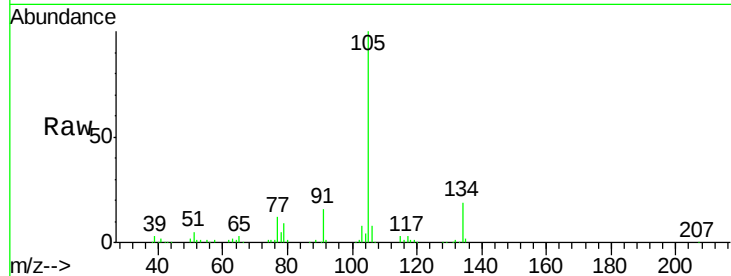
#85
 sec-Butylbenzene
 Concen: 18.610 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	151619		
134	19.0	9.8	29.4	

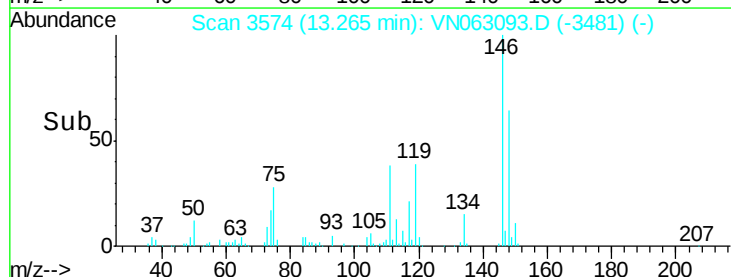
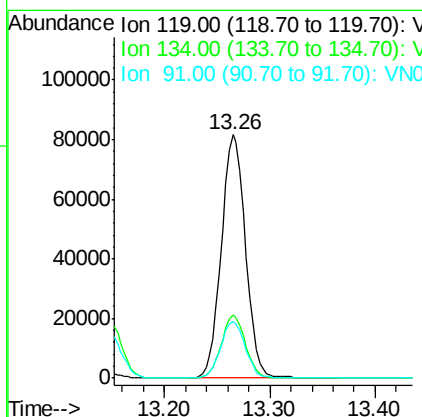
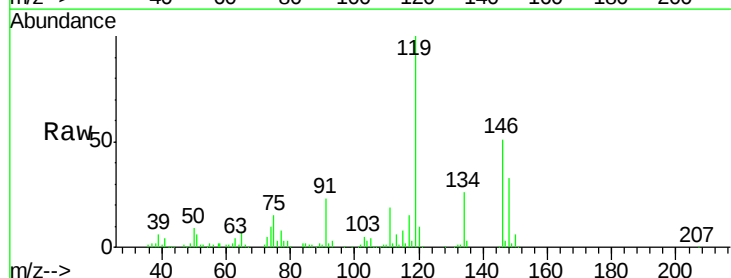
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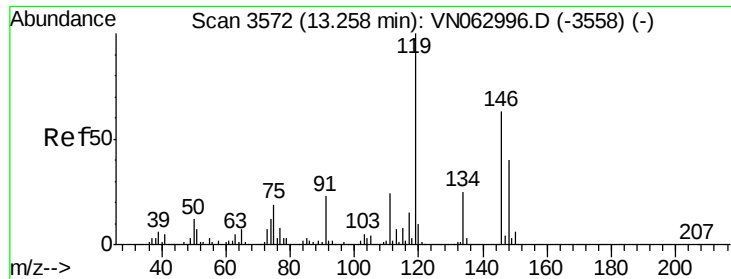
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#86
 p-Isopropyltoluene
 Concen: 18.246 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	129527		
134	25.8	13.1	39.3	
91	24.0	11.5	34.4	





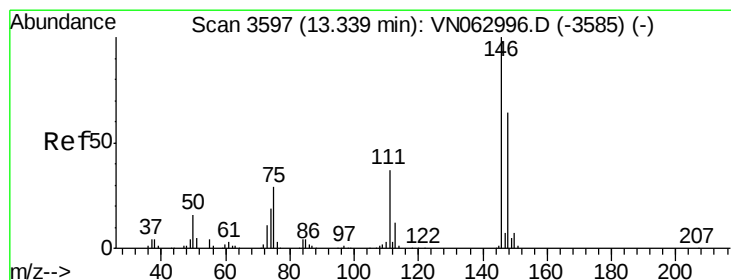
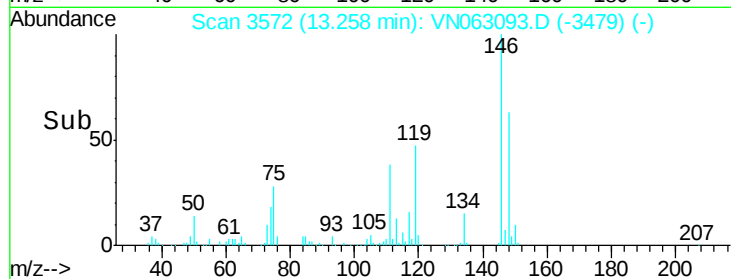
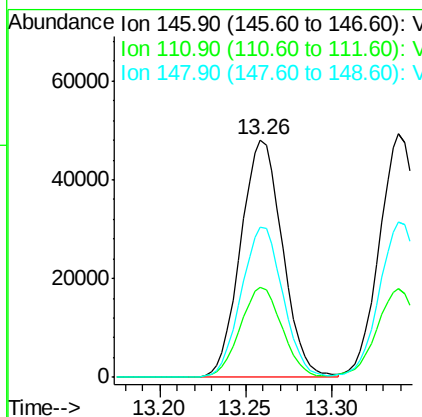
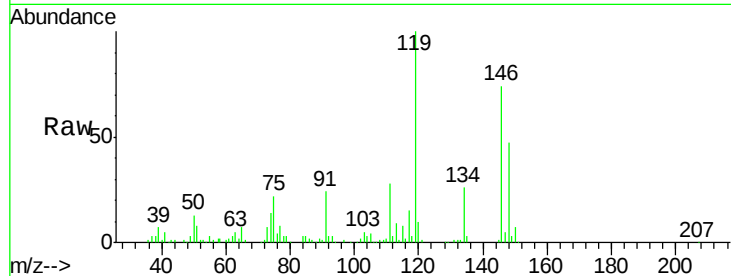
#87
 1,3-Dichlorobenzene
 Concen: 20.316 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	63.0	32.0	96.0

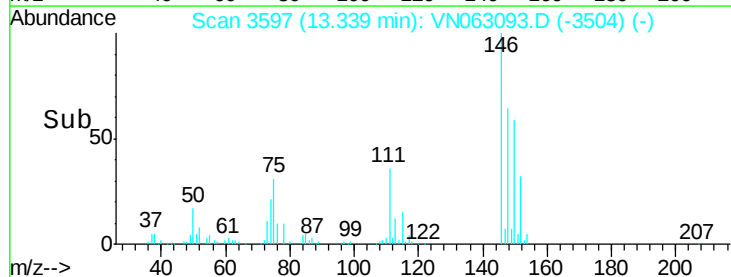
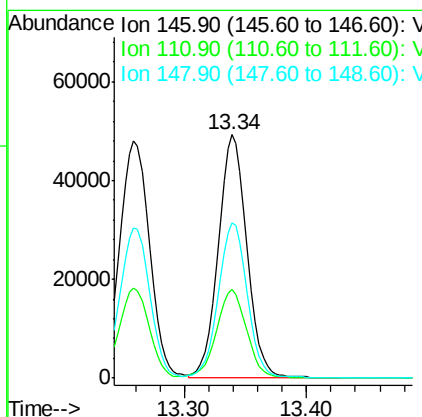
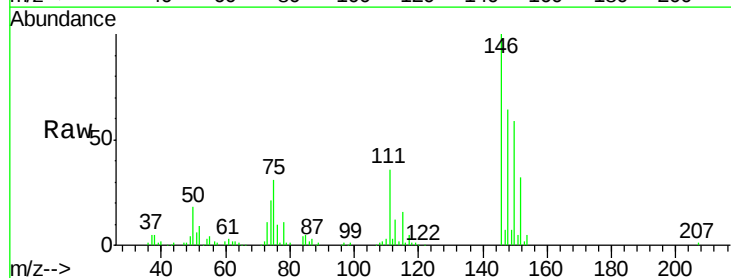
Manual Integrations
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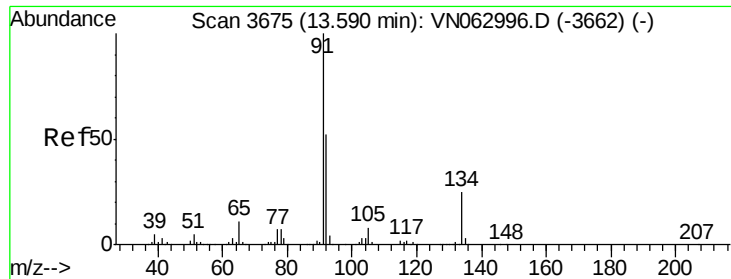
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#88
 1,4-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	63.3	32.4	97.0





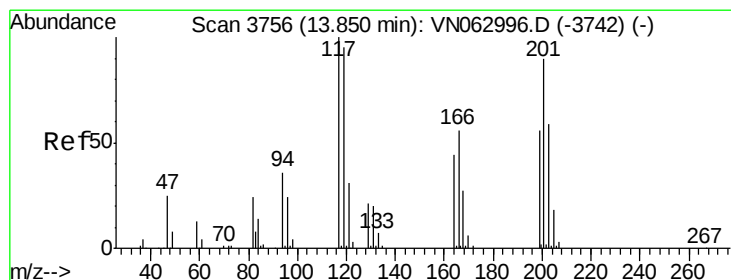
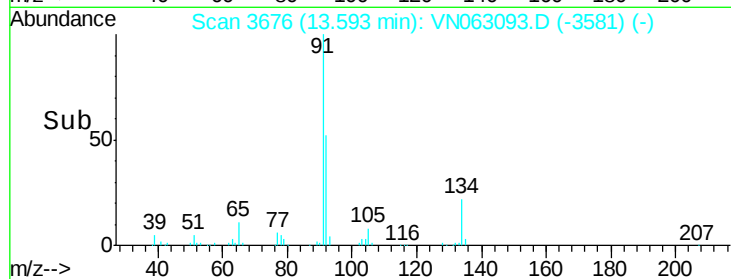
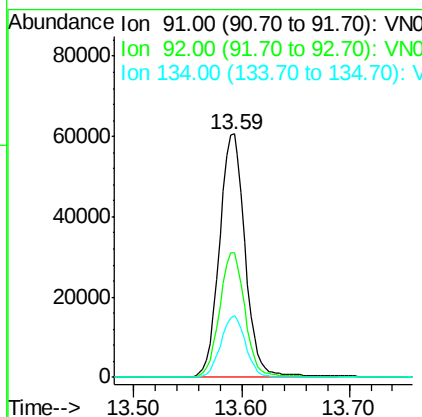
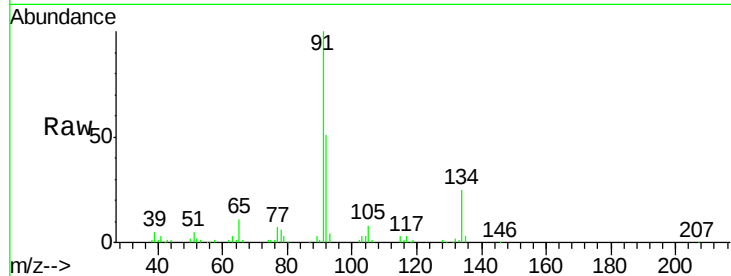
#89
n-Butylbenzene
Concen: 16.884 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.6
134	24.4	12.4	37.0

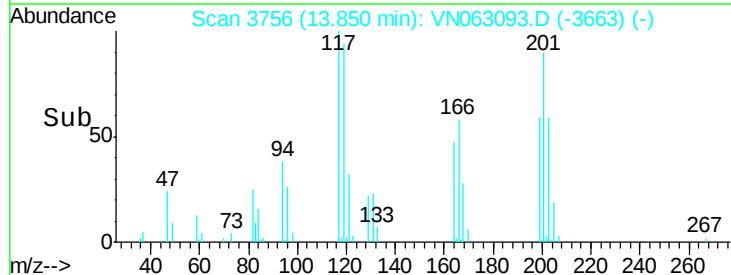
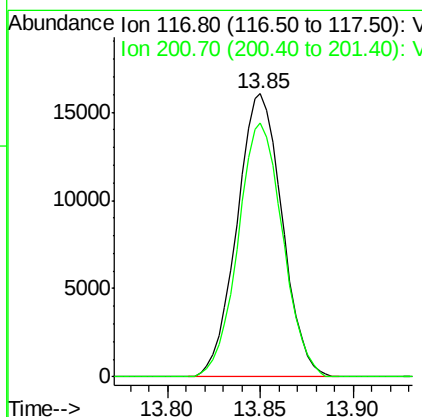
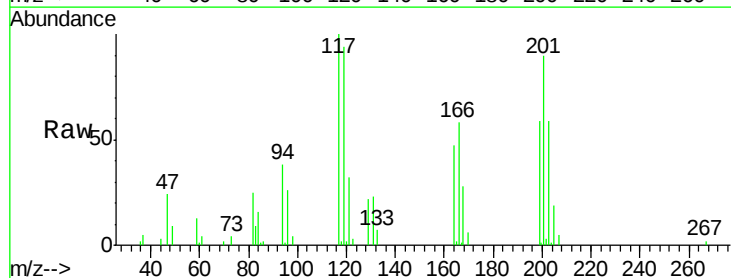
Manual Integrations
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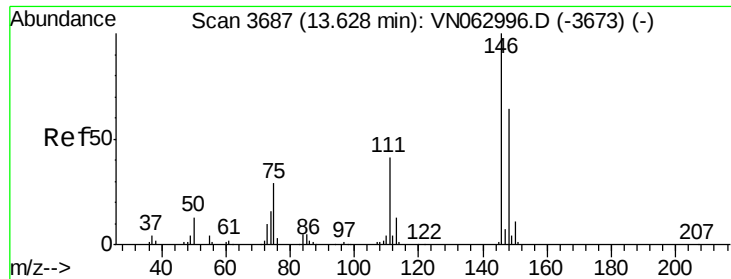
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#90
Hexachloroethane
Concen: 18.058 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	44.1	132.4





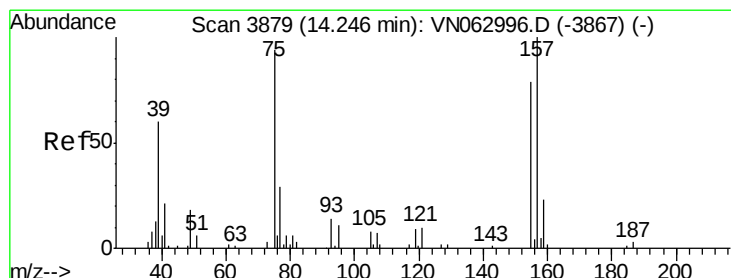
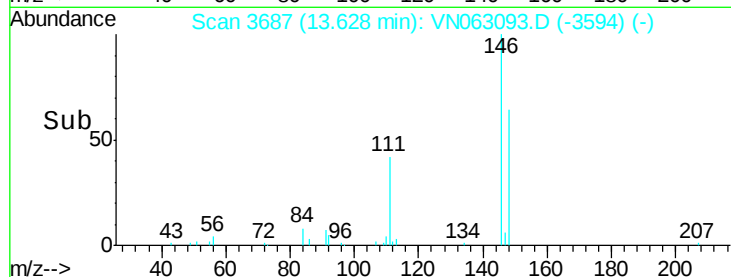
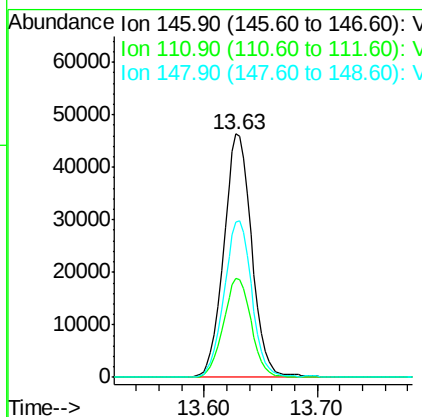
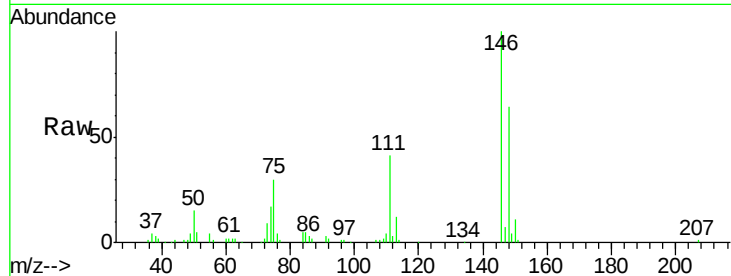
#91
 1,2-Dichlorobenzene
 Concen: 20.660 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.6	31.9	95.5

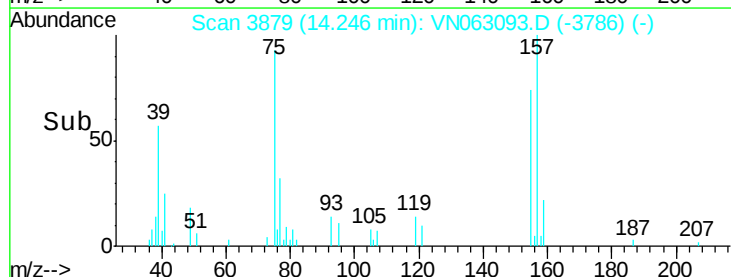
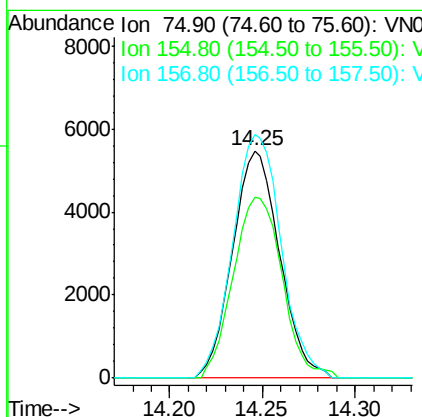
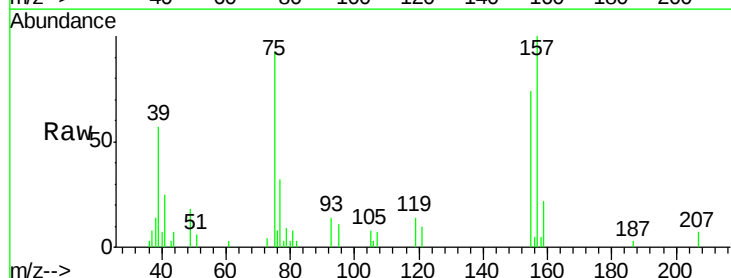
Manual Integrations
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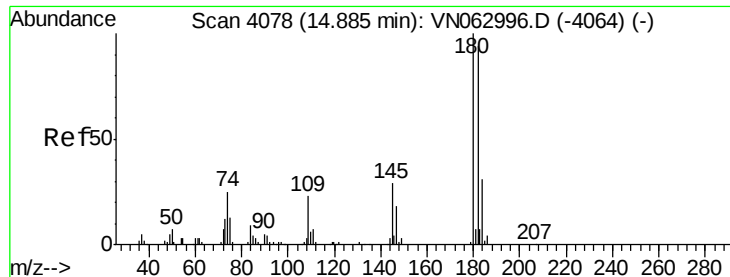
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 8/25/2020 12:14:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.774 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	42.4	127.1
157	110.0	55.2	165.6





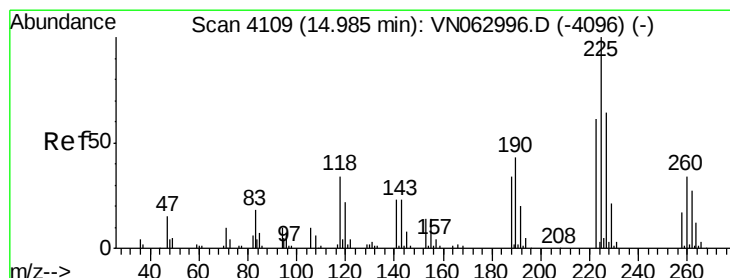
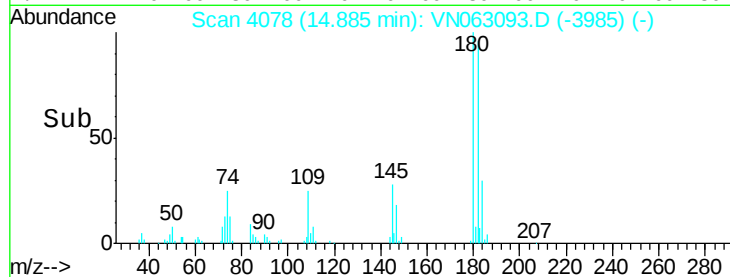
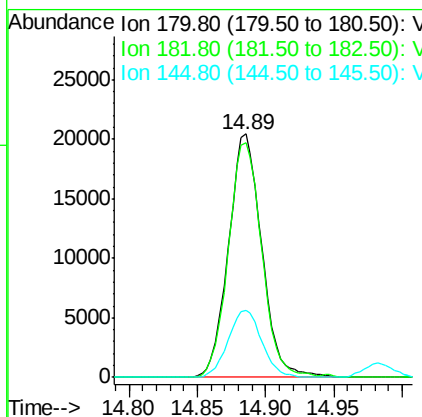
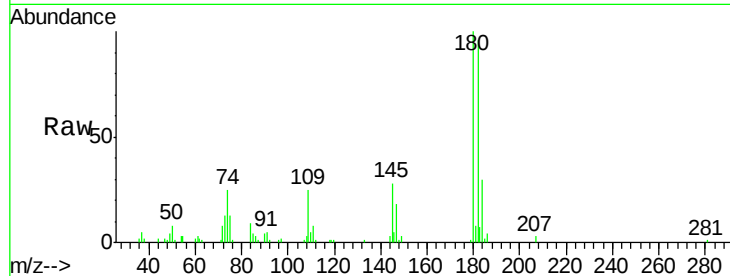
#93
 1,2,4-Trichlorobenzene
 Concen: 19.257 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion:	180	Resp:	34605
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.0	141.2
145	27.8	14.1	42.4

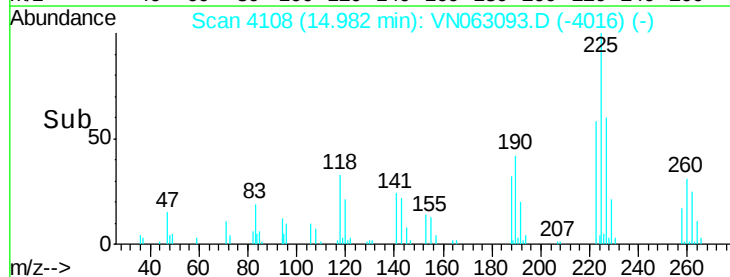
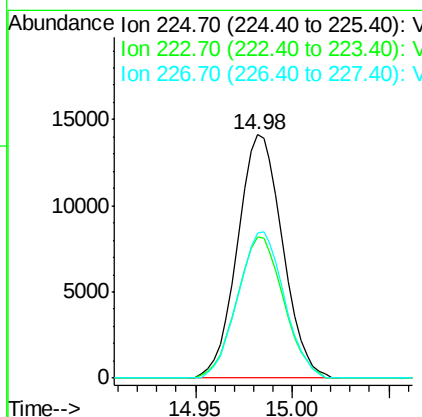
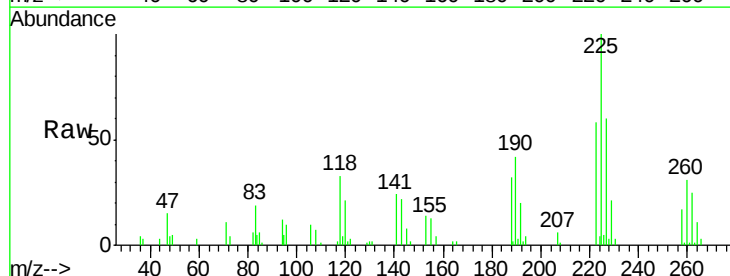
Manual Integrations
 APPROVED

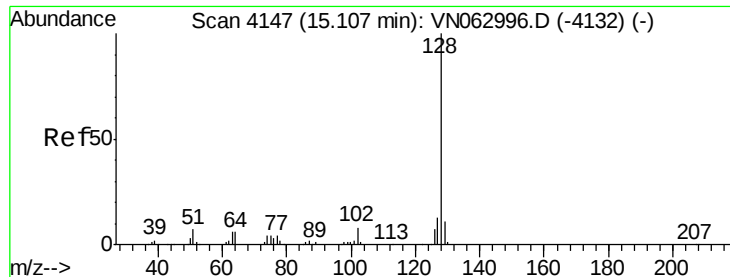
MMDadoda
 8/25/2020 12:14:26 PM



#94
 Hexachlorobutadiene
 Concen: 16.001 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063093.D
 Acq: 24 Aug 2020 14:15

Tgt Ion:	225	Resp:	22809
Ion Ratio	Lower	Upper	
225	100		
223	60.3	30.9	92.5
227	61.8	31.9	95.9





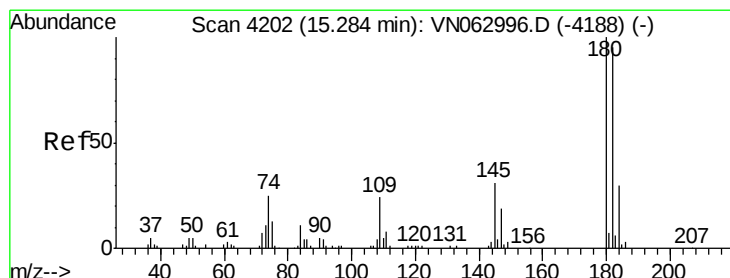
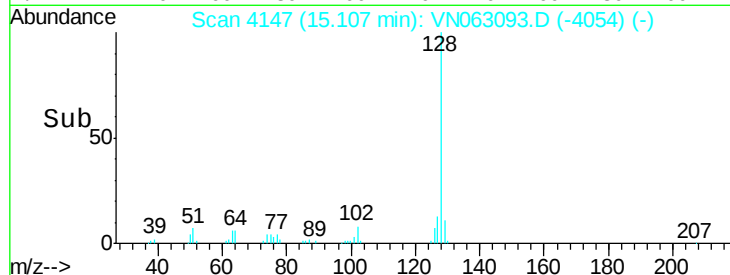
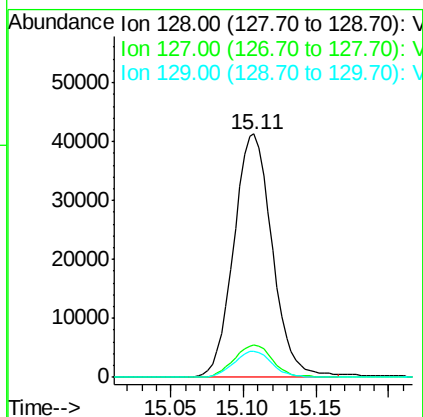
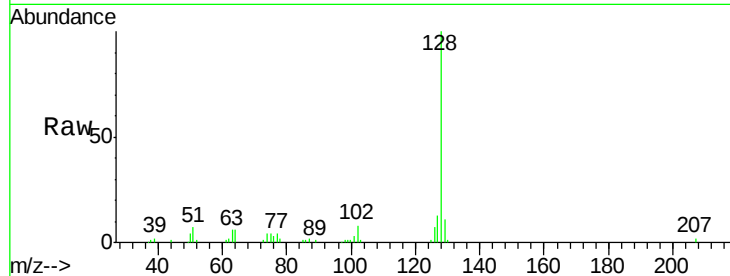
#95
Naphthalene
Concen: 19.377 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/25/2020 12:14:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.001 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063093.D
Acq: 24 Aug 2020 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.3	141.9
145	30.6	15.6	46.7

