

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063092.D
 Acq On : 24 Aug 2020 13:51
 Operator : JC/MD
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 12:14:32 PM

Quant Time: Aug 25 01:03:18 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	7.63	168	170864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108504	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.55	113	88637	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.06	98	337579	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.38	95	120503	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44420	20.065	ug/l	95
3) Chloromethane	2.04	50	49488	21.124	ug/l	100
4) Vinyl Chloride	2.16	62	47628	21.022	ug/l	99
5) Bromomethane	2.48	94	20517	15.257	ug/l	99
6) Chloroethane	2.60	64	30163	22.549	ug/l	100
7) Trichlorofluoromethane	2.93	101	59061	20.903	ug/l	99
8) Diethyl Ether	3.37	74	20846	20.855	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.69	101	29413	19.319	ug/l	98
10) Methyl Iodide	3.89	142	34891	18.080	ug/l	99
11) Tert butyl alcohol	4.78	59	18623	64.925	ug/l #	89
12) 1,1-Dichloroethene	3.67	96	26854	18.515	ug/l	97
13) Acrolein	3.57	56	2300	25.595	ug/l	96
14) Allyl chloride	4.26	41	49337	19.293	ug/l	99
15) Acrylonitrile	4.93	53	91518	108.552	ug/l	99
16) Acetone	3.79	43	65339	101.132	ug/l	96
17) Carbon Disulfide	3.99	76	66099	17.402	ug/l	98
18) Methyl Acetate	4.28	43	43973	21.851	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	108948	21.540	ug/l	100
20) Methylene Chloride	4.49	84	37799	20.380	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	29754	19.603	ug/l	98
22) Diisopropyl ether	5.90	45	127530	21.976	ug/l	99
23) Vinyl Acetate	5.84	43	399870	102.112	ug/l	100
24) 1,1-Dichloroethane	5.79	63	66786	20.595	ug/l	98
25) 2-Butanone	6.80	43	106352	98.922	ug/l	100
26) 2,2-Dichloropropane	6.77	77	52028	20.401	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	38442	20.207	ug/l	99
28) Bromochloromethane	7.15	49	32670	19.255	ug/l	97
29) Tetrahydrofuran	7.17	42	72186	104.033	ug/l	99
30) Chloroform	7.33	83	66449	20.346	ug/l	98
31) Cyclohexane	7.61	56	56141	18.810	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	53679	20.133	ug/l	99
36) 1,1-Dichloropropene	7.75	75	43646	19.037	ug/l	99
37) Ethyl Acetate	6.89	43	44706	20.810	ug/l	99
38) Carbon Tetrachloride	7.73	117	45181	19.519	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	48026	16.593	ug/l	94
40) Benzene	8.00	78	142086	19.539	ug/l	98
41) Methacrylonitrile	7.12	41	18231	17.811	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	50353	20.622	ug/l	100
43) Isopropyl Acetate	8.13	43	73216	20.571	ug/l #	90
44) Trichloroethene	8.80	130	34628	19.144	ug/l	94
45) 1,2-Dichloropropane	9.08	63	42531	20.234	ug/l	100
46) Dibromomethane	9.17	93	24895	20.502	ug/l	99
47) Bromodichloromethane	9.37	83	53512	20.120	ug/l	99
48) Methyl methacrylate	9.17	41	34579	20.534	ug/l	98
49) 1,4-Dioxane	9.17	88	6338	183.711	ug/l #	92
51) 4-Methyl-2-Pentanone	9.96	43	244608	108.730	ug/l	99
52) Toluene	10.12	92	89107	20.313	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	57825	21.025	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	63140	20.927	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	39419	21.016	ug/l	98
56) Ethyl methacrylate	10.40	69	52422	19.206	ug/l	97
57) 1,3-Dichloropropane	10.68	76	65369	20.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66245	101.669	ug/l	97
59) 2-Hexanone	10.73	43	171579	109.341	ug/l	96
60) Dibromochloromethane	10.88	129	43193	20.809	ug/l	100
61) 1,2-Dibromoethane	10.98	107	38398	21.305	ug/l	98
64) Tetrachloroethene	10.60	164	30050	18.154	ug/l	97
65) Chlorobenzene	11.41	112	99240	19.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	38497	19.570	ug/l	97
67) Ethyl Benzene	11.48	91	167335	19.581	ug/l	99
68) m/p-Xylenes	11.60	106	127215	40.053	ug/l	99
69) o-Xylene	11.92	106	61709	20.233	ug/l	99
70) Styrene	11.94	104	109324	19.291	ug/l	99
71) Bromoform	12.10	173	31600	20.182	ug/l #	97
73) Isopropylbenzene	12.23	105	163623	19.582	ug/l	99
74) N-amyl acetate	12.05	43	64616	21.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	61220	21.754	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	52266m	22.037	ug/l	
77) Bromobenzene	12.50	156	45852	19.952	ug/l	97
78) n-propylbenzene	12.57	91	188178	19.758	ug/l	99
79) 2-Chlorotoluene	12.65	91	118452	19.773	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	137524	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	18283	21.172	ug/l	94
82) 4-Chlorotoluene	12.75	91	119802	19.640	ug/l	98
83) tert-Butylbenzene	12.97	119	115515	19.376	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	127330	18.922	ug/l	100
85) sec-Butylbenzene	13.15	105	149843	18.598	ug/l	99
86) p-Isopropyltoluene	13.26	119	124308	17.707	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78882	19.973	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	80266	20.024	ug/l	99
89) n-Butylbenzene	13.59	91	97693	16.639	ug/l	98
90) Hexachloroethane	13.85	117	26927	18.045	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	78508	20.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9920	23.573	ug/l	94

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ClientSampleId :
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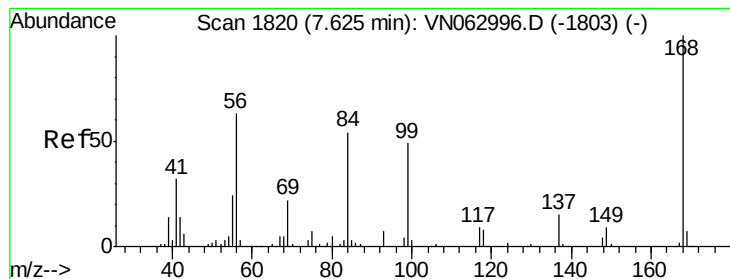
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	34857	19.530	ug/l	98
94) Hexachlorobutadiene	14.98	225	22206	15.752	ug/l	100
95) Naphthalene	15.11	128	74296	19.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	32427	18.367	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion:168 Resp: 170864

Ion Ratio Lower Upper

168 100

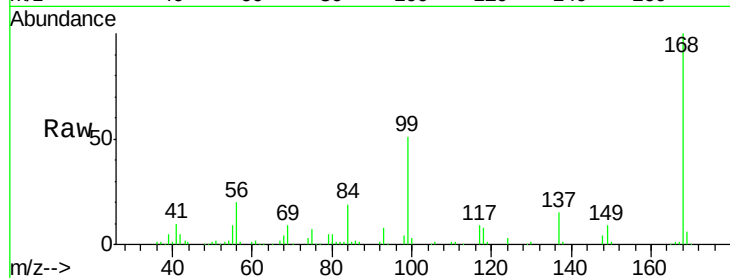
99 51.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

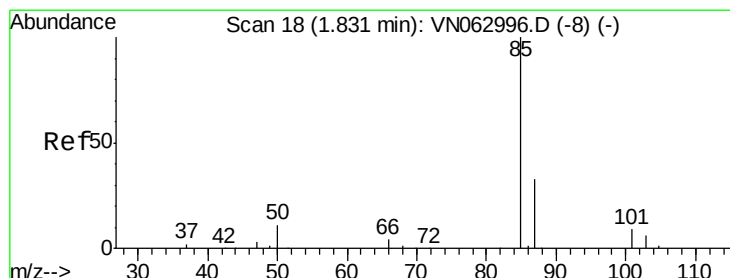
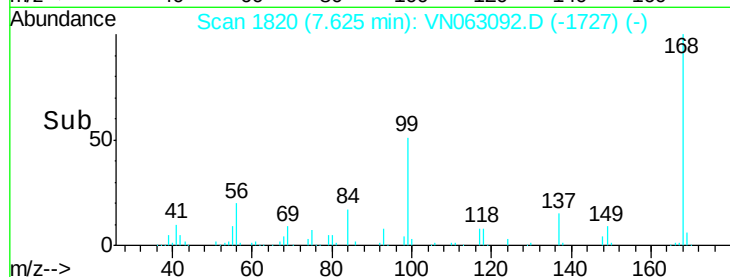
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.065 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN063092.D

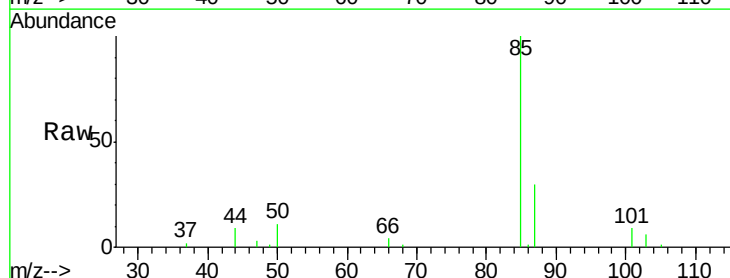
Acq: 24 Aug 2020 13:51

Tgt Ion: 85 Resp: 44420

Ion Ratio Lower Upper

85 100

87 29.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

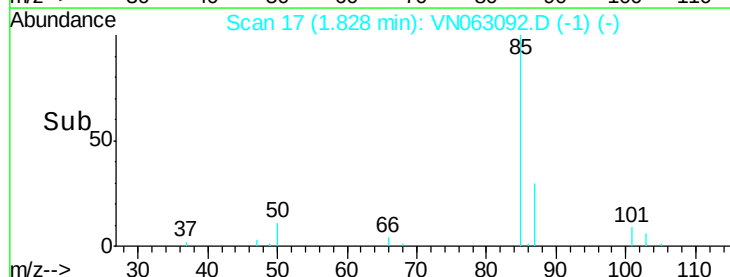
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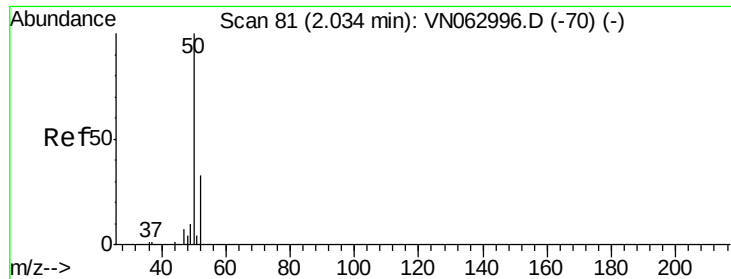
10000

5000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 21.124 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 50 Resp: 49488

Ion Ratio Lower Upper

50 100

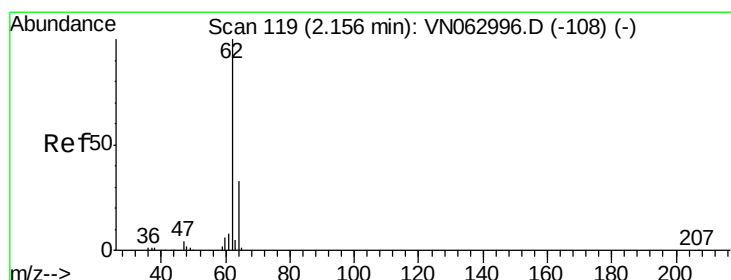
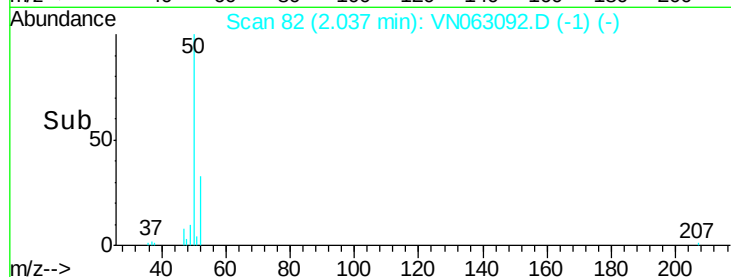
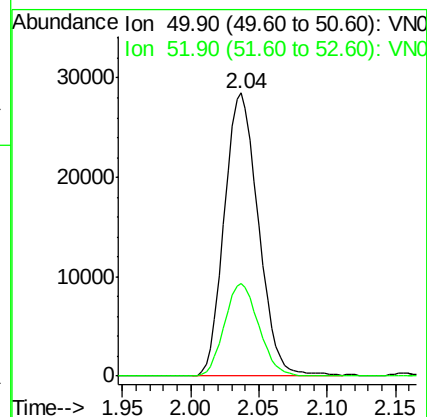
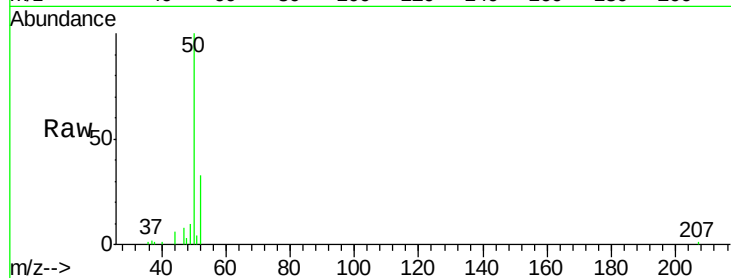
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.022 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063092.D

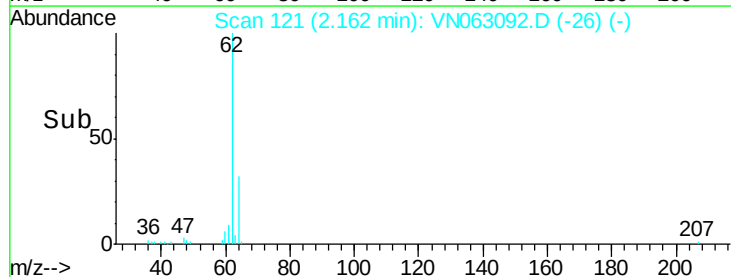
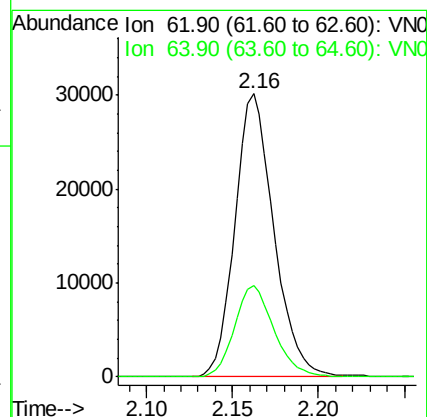
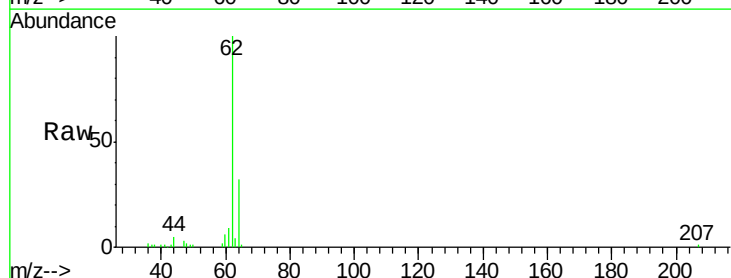
Acq: 24 Aug 2020 13:51

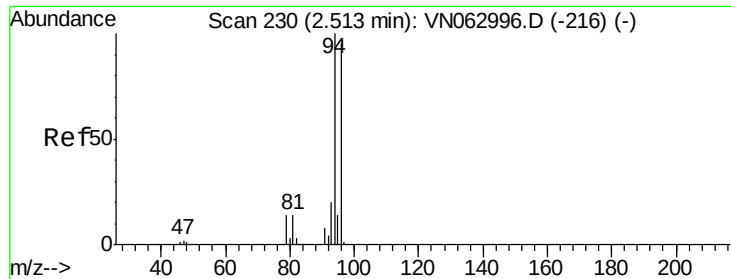
Tgt Ion: 62 Resp: 47628

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 15.257 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.03 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

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ClientSampleId :

VN0824WBS01

Tot Ion: 94 Resp: 20517

Ion Ratio Lower Upper

94 100

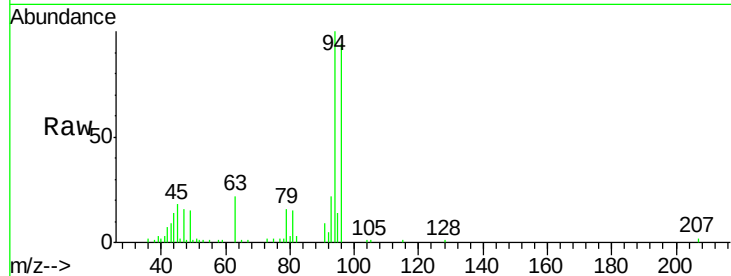
96 94.1 75.8 113.8

Manual Integrations

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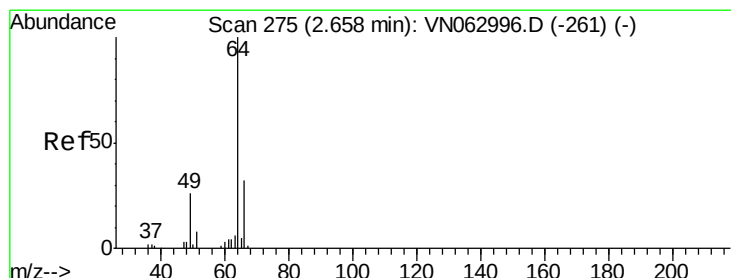
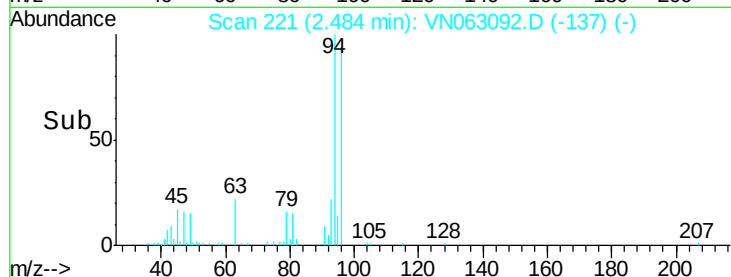
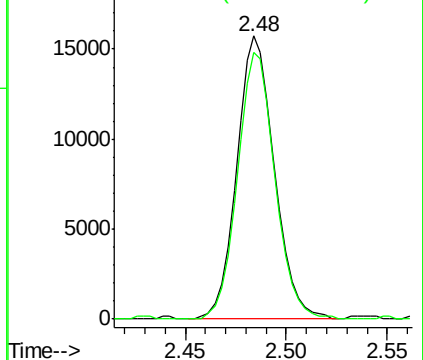
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.549 ug/l

RT: 2.60 min Scan# 256

Delta R.T. -0.06 min

Lab File: VN063092.D

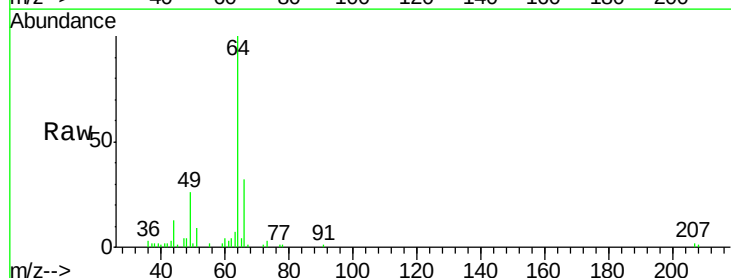
Acq: 24 Aug 2020 13:51

Tgt Ion: 64 Resp: 30163

Ion Ratio Lower Upper

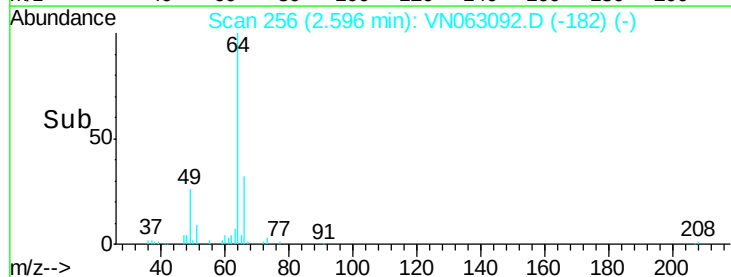
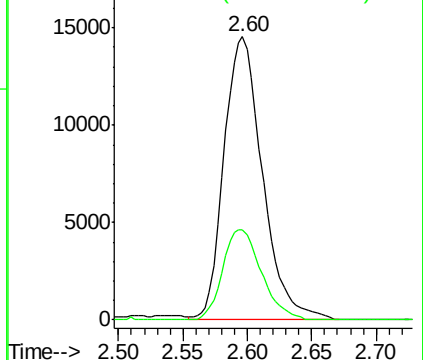
64 100

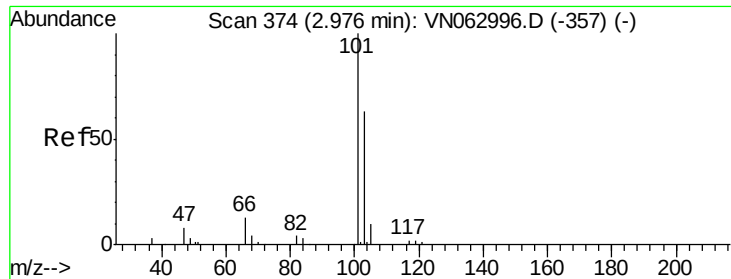
66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

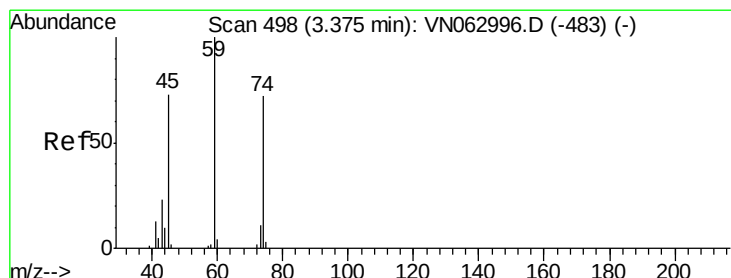
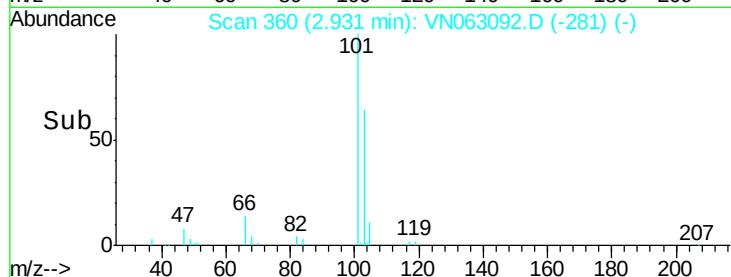
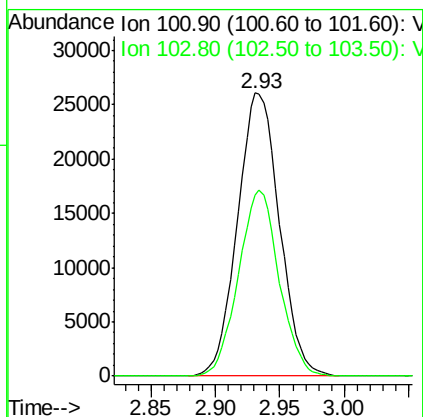
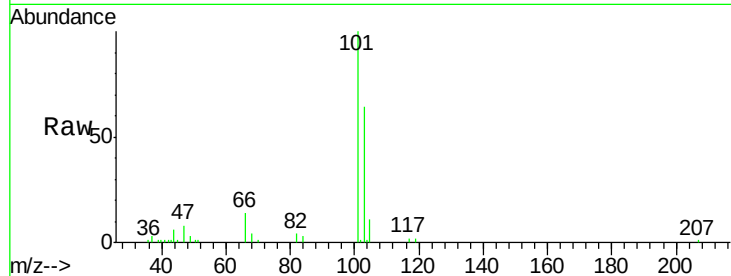
Trichlorofluoromethane
 Concen: 20.903 ug/l
 RT: 2.93 min Scan# 360
 Delta R.T. -0.05 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

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 VN0824WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.5	75.7

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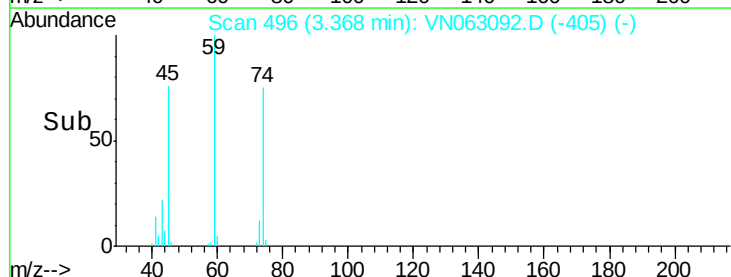
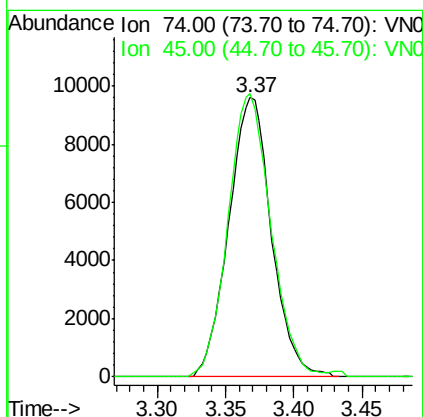
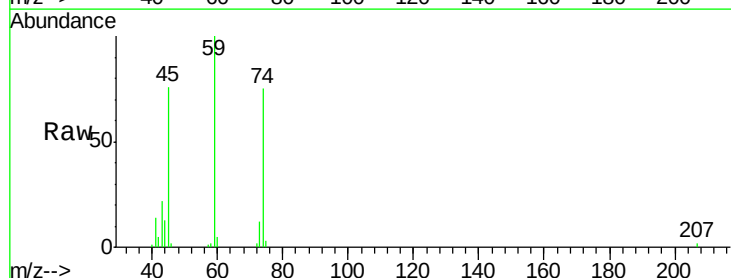
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 8/25/2020 12:14:32 PM

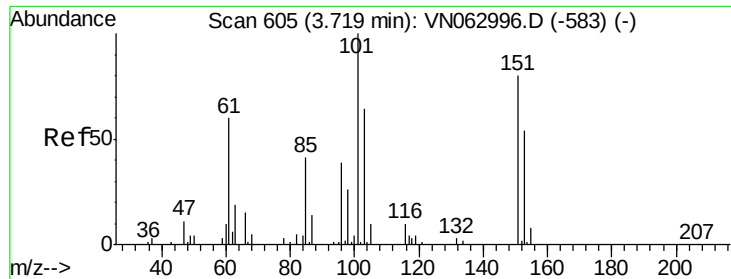


#8

Diethyl Ether
 Concen: 20.855 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.319 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.03 min

Lab File: VN063092.D

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Instrument :

MSVOA_N

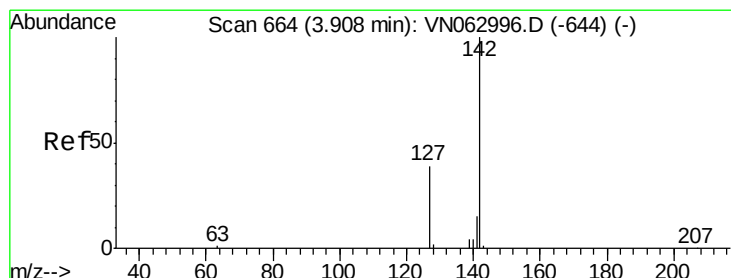
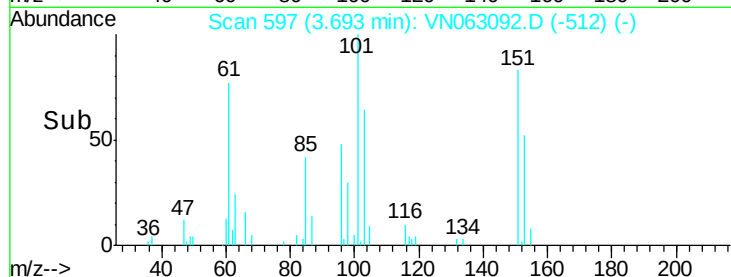
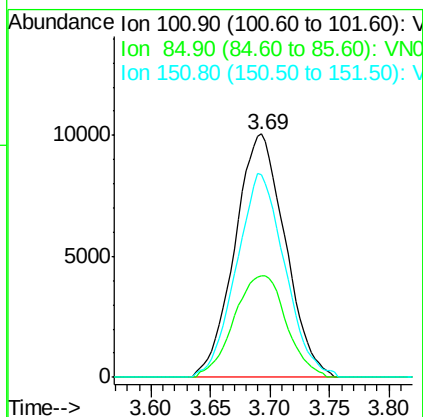
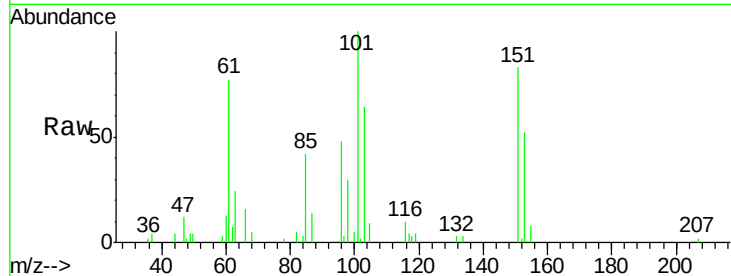
ClientSampleId :

VN0824WBS01

Tot Ion:	101	Resp:	29413
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	80.7	65.8	98.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.080 ug/l

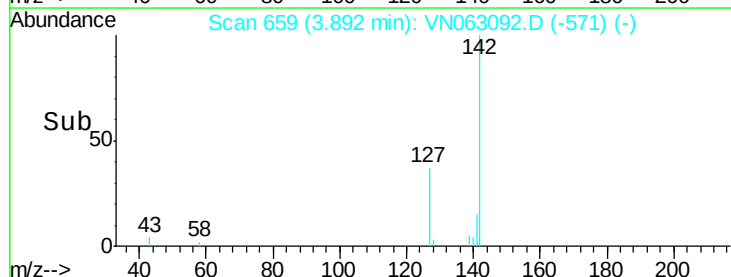
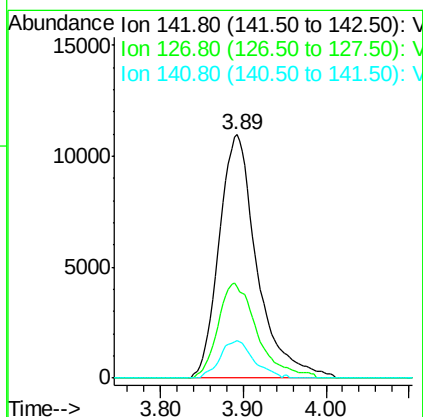
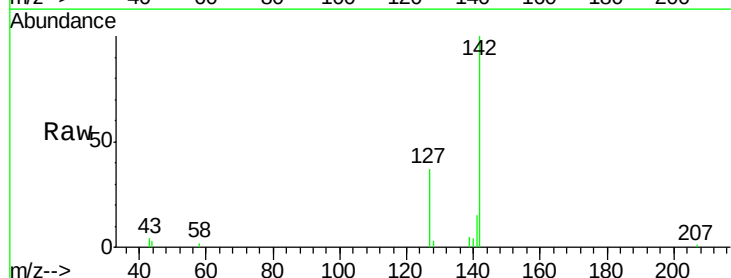
RT: 3.89 min Scan# 659

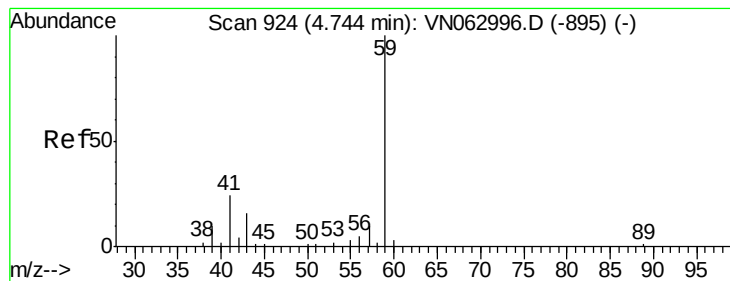
Delta R.T. -0.02 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	142	Resp:	34891
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.2	48.4
141	13.6	11.3	16.9





#11

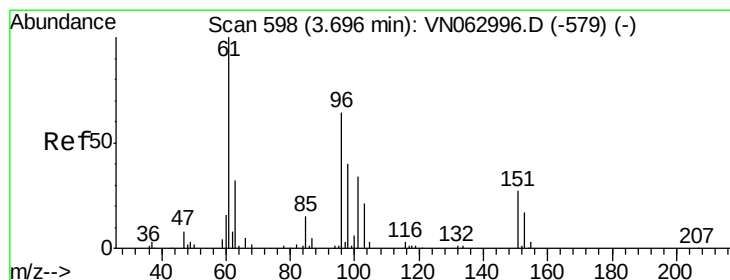
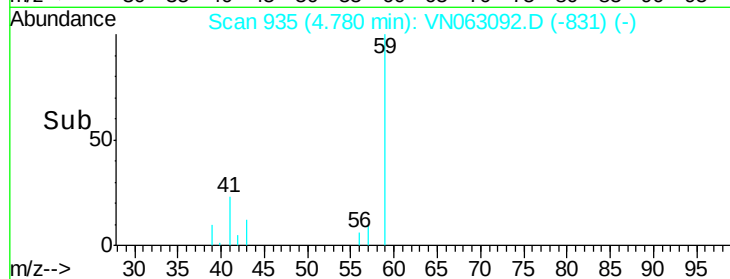
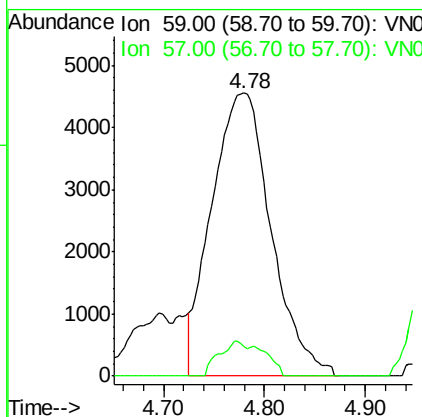
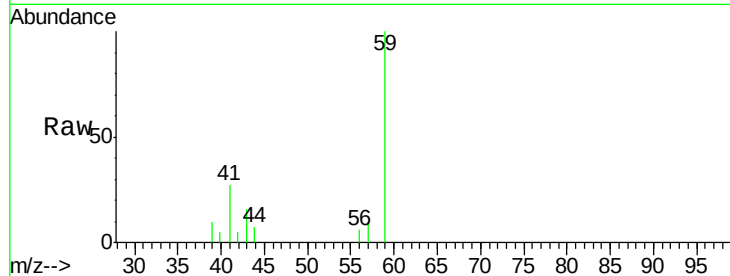
Tert butyl alcohol
 Concen: 64.925 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.04 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		18623		
57	5.6		7.8	11.6	

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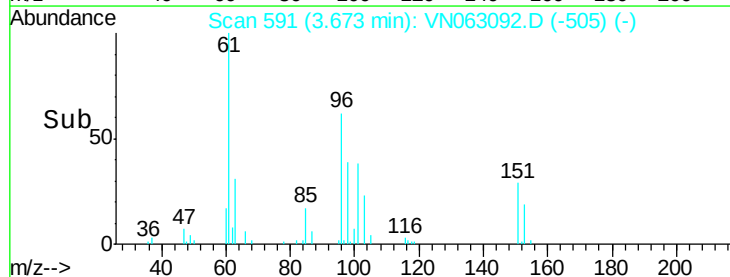
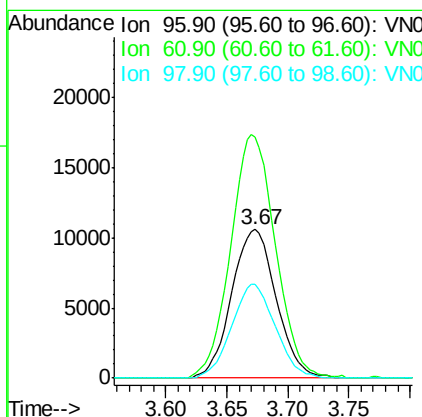
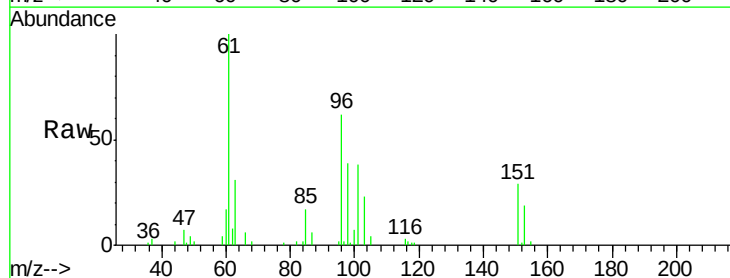
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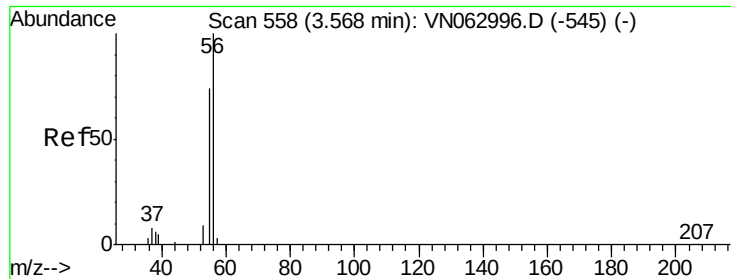


#12

1,1-Dichloroethene
 Concen: 18.515 ug/l
 RT: 3.67 min Scan# 591
 Delta R.T. -0.02 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		26854		
61	162.3		125.5	188.3	
98	63.1		50.4	75.6	





#13

Acrolein

Concen: 25.595 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion: 56 Resp: 2300

Ion Ratio Lower Upper

56 100

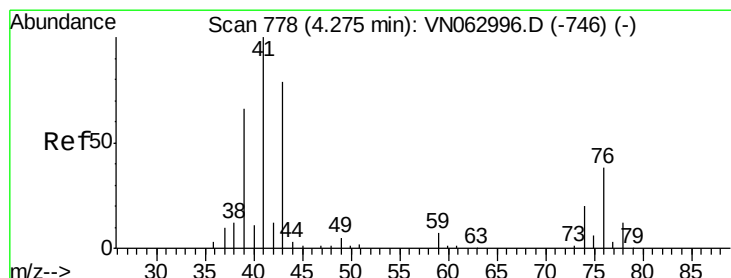
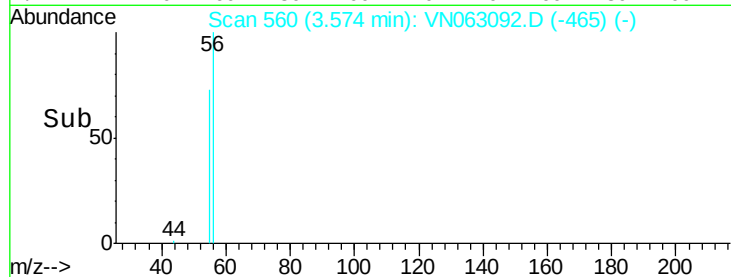
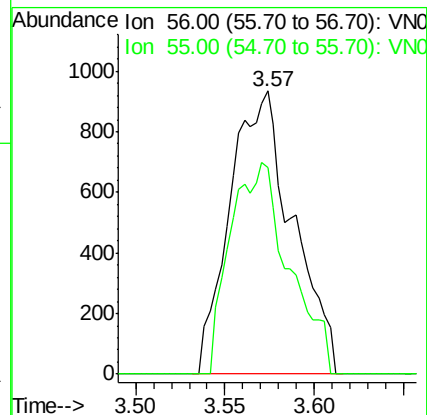
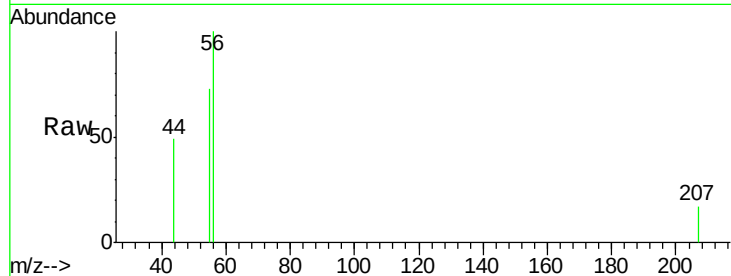
55 69.7 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.293 ug/l

RT: 4.26 min Scan# 773

Delta R.T. -0.02 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

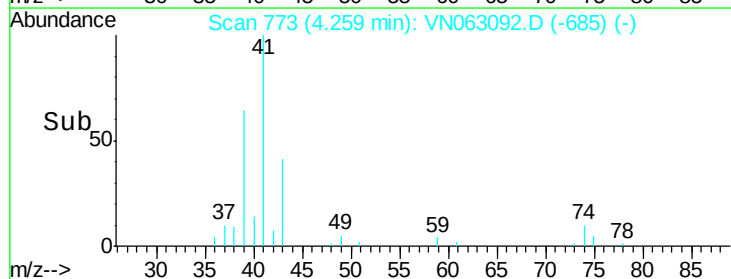
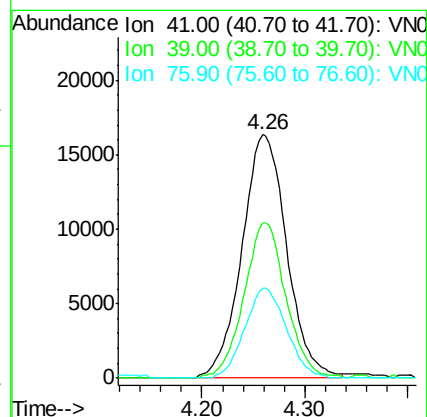
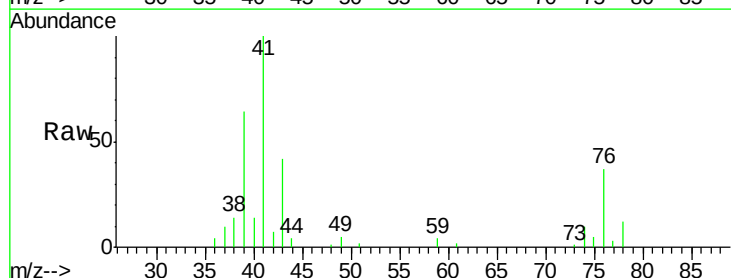
Tgt Ion: 41 Resp: 49337

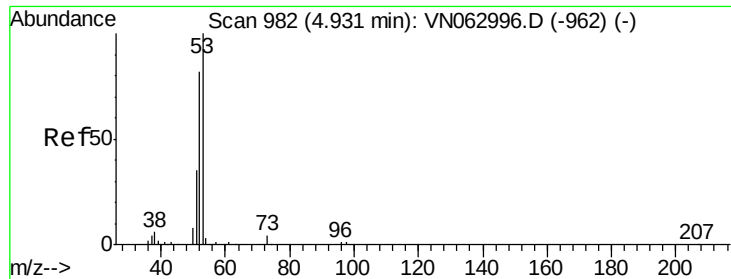
Ion Ratio Lower Upper

41 100

39 59.6 47.9 71.9

76 34.4 27.0 40.6





#15

Acrylonitrile

Concen: 108.552 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

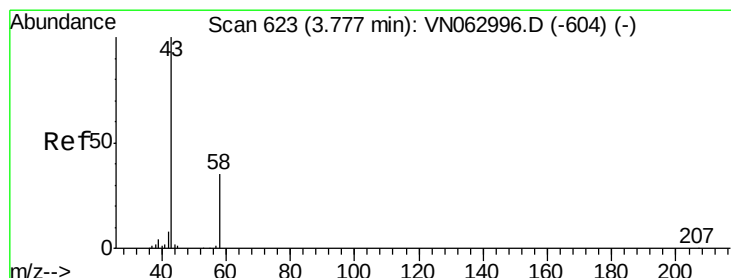
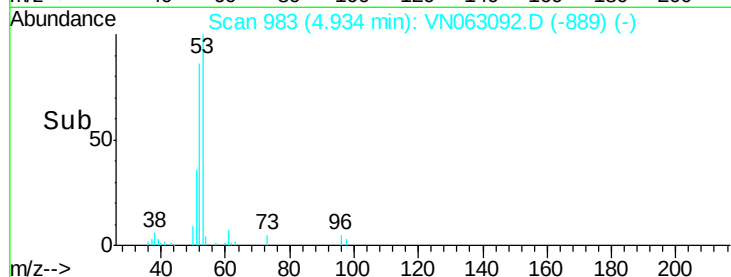
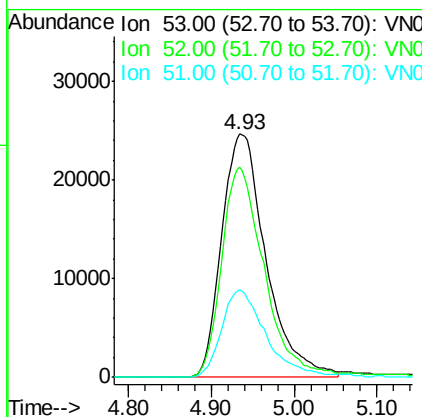
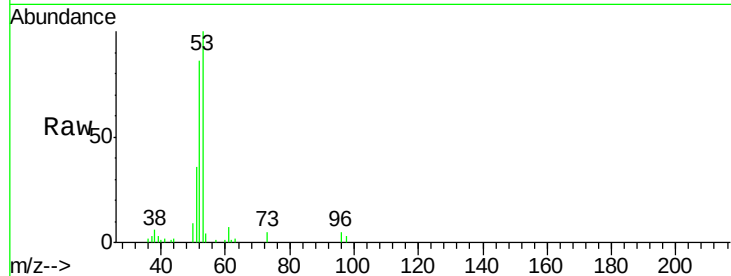
ClientSampleId :

VN0824WBS01

Tot Ion:	53	Resp:	91518
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.6	98.4
51	36.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 101.132 ug/l

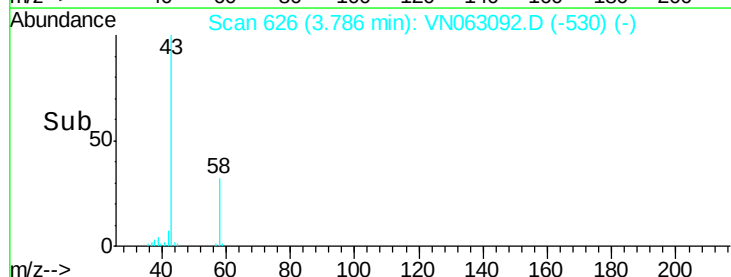
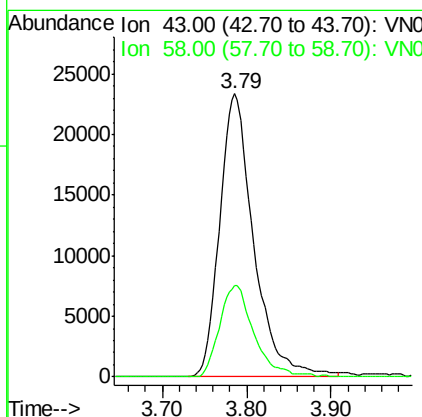
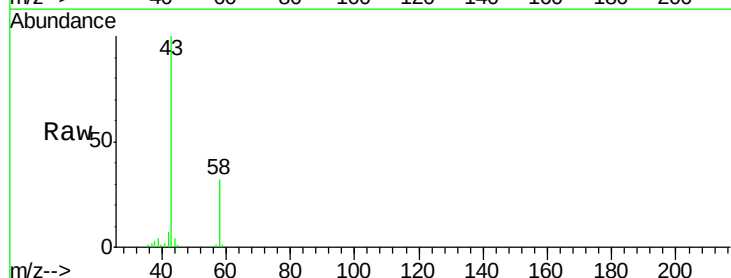
RT: 3.79 min Scan# 626

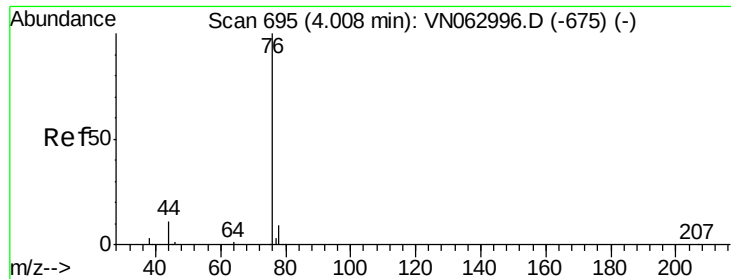
Delta R.T. 0.01 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	43	Resp:	65339
Ion Ratio	Lower	Upper	
43	100		
58	32.2	27.8	41.6





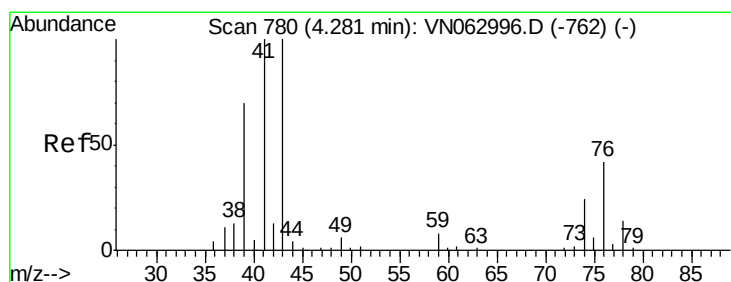
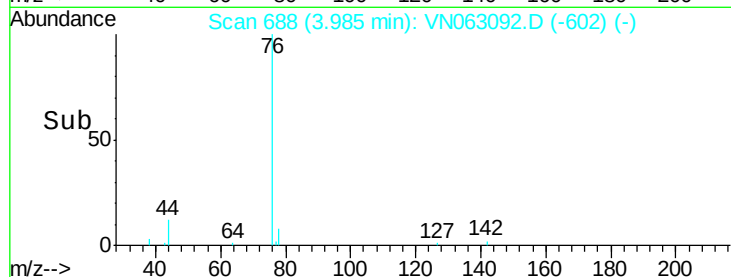
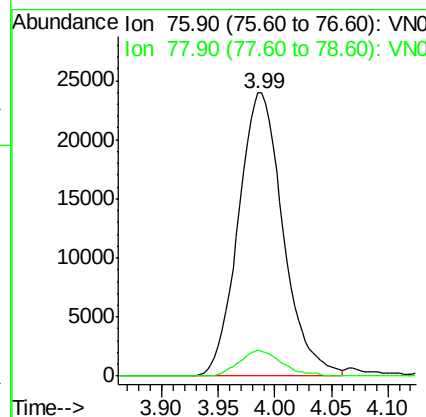
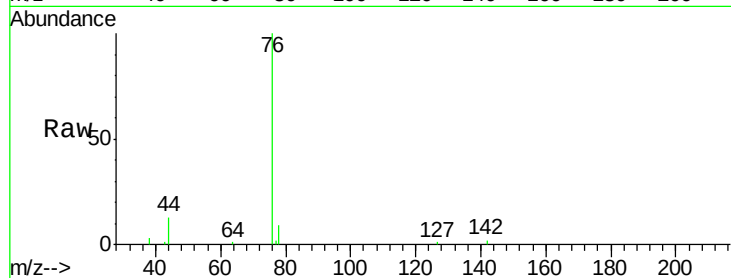
#17
Carbon Disulfide
Concen: 17.402 ug/l
RT: 3.99 min Scan# 688
Delta R.T. -0.02 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

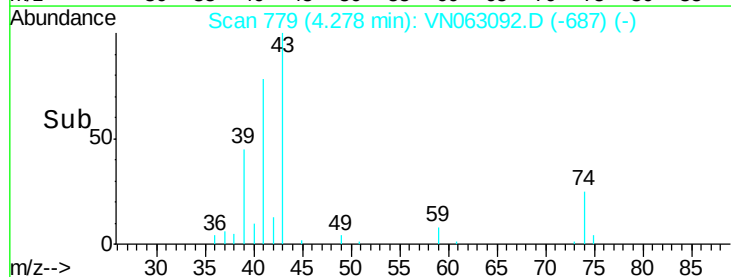
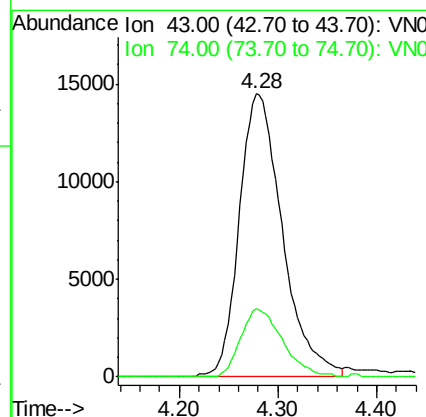
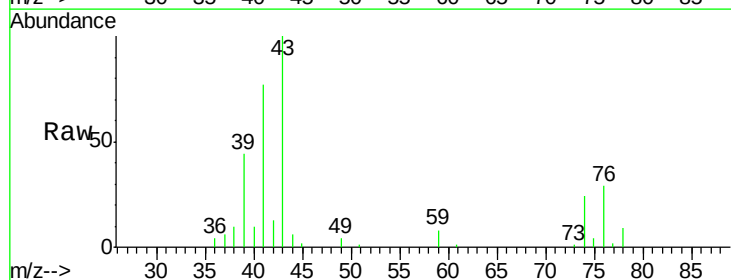
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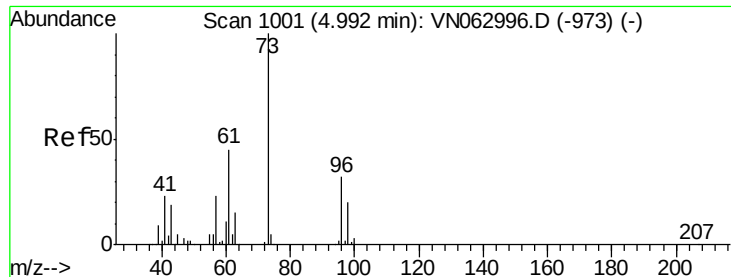
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#18
Methyl Acetate
Concen: 21.851 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.6	28.0





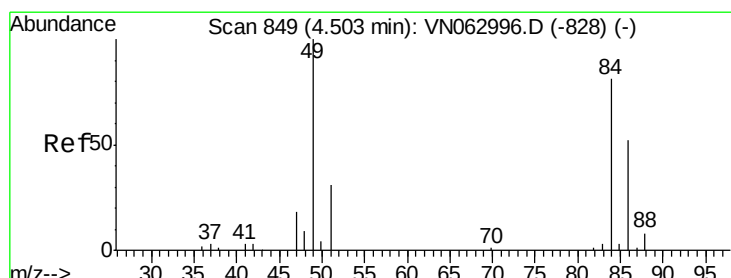
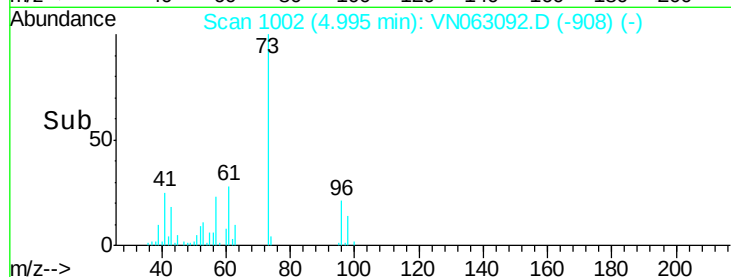
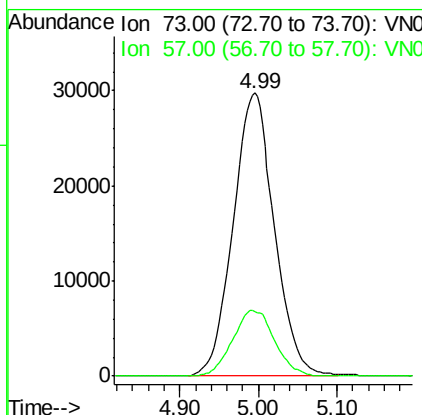
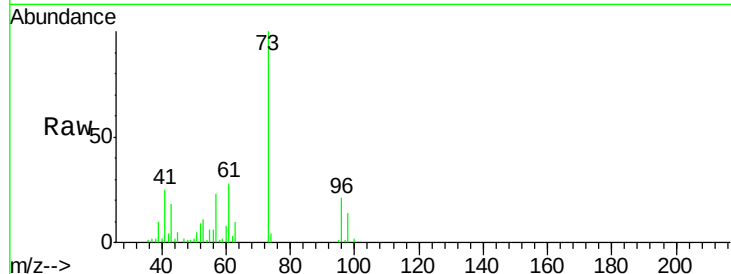
#19
Methyl tert-butyl Ether
Concen: 21.540 ug/l
RT: 4.99 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion: 73 Resp: 108948
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1

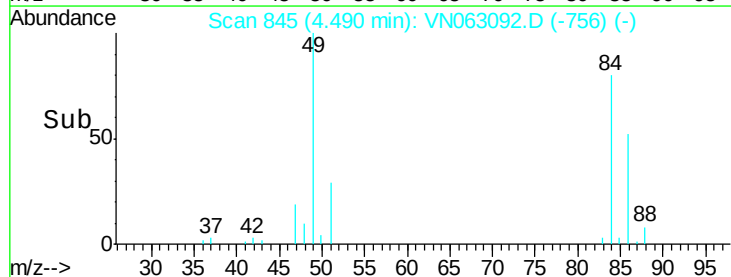
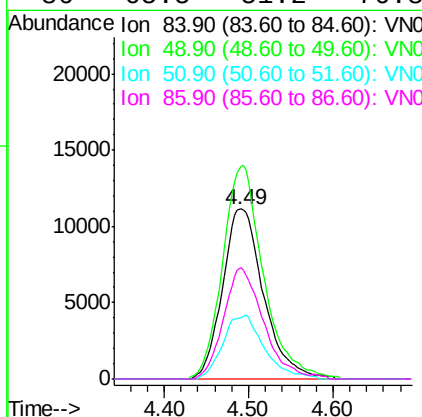
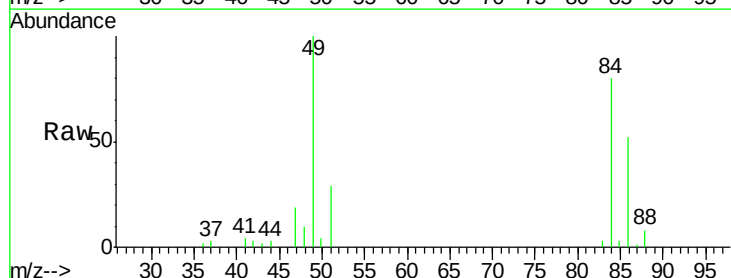
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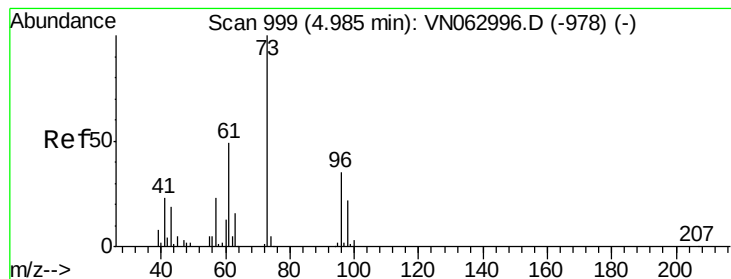
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#20
Methylene Chloride
Concen: 20.380 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion: 84 Resp: 37799
Ion Ratio Lower Upper
84 100
49 125.0 98.7 148.1
51 36.3 30.8 46.2
86 65.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.603 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

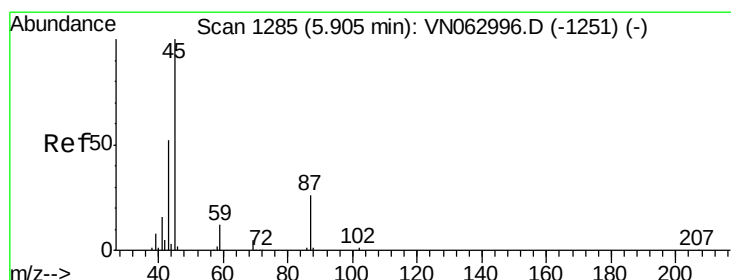
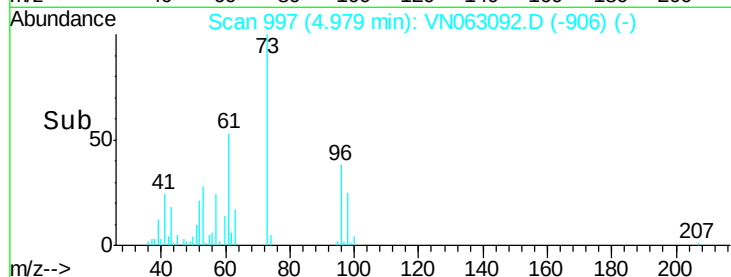
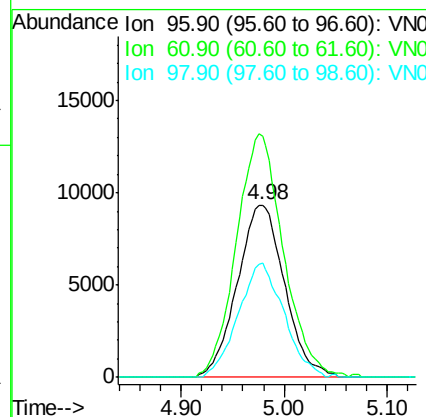
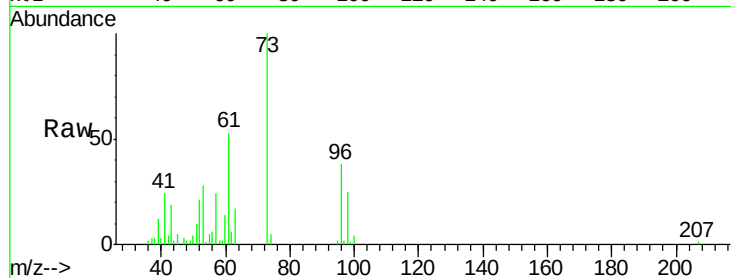
ClientSampleId :

VN0824WBS01

Tot Ion:	96	Resp:	29754
Ion	Ratio	Lower	Upper
96	100		
61	140.4	112.5	168.7
98	66.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.976 ug/l

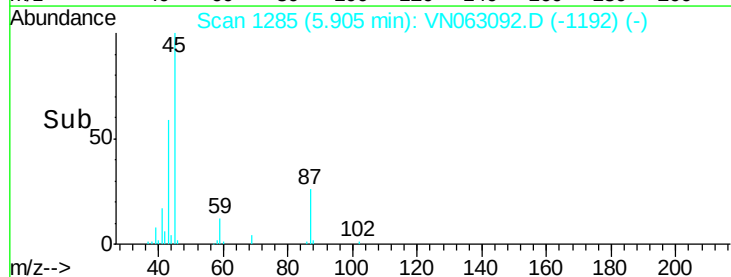
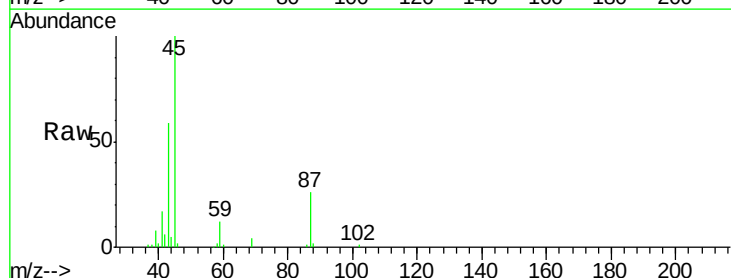
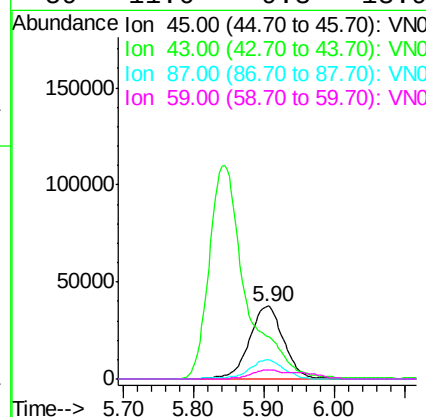
RT: 5.90 min Scan# 1285

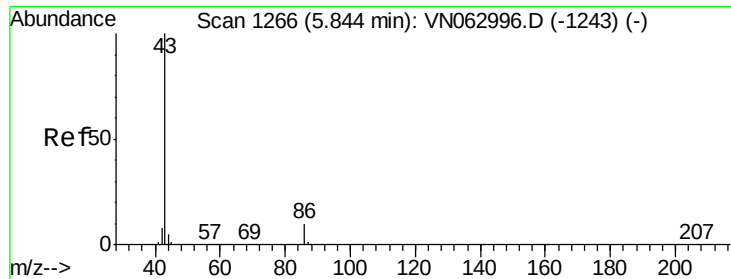
Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	45	Resp:	127530
Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.7	68.5
87	26.0	21.8	32.6
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 102.112 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion: 43 Resp: 399870

Ion Ratio Lower Upper

43 100

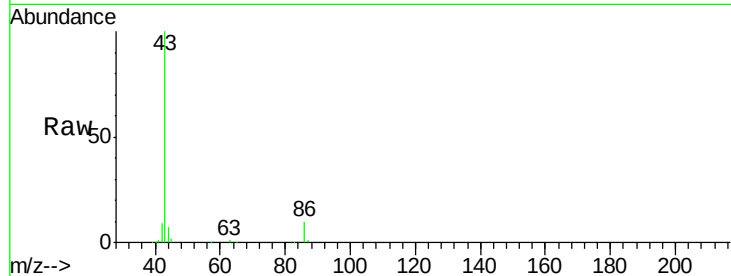
86 10.2 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

120000

100000

80000

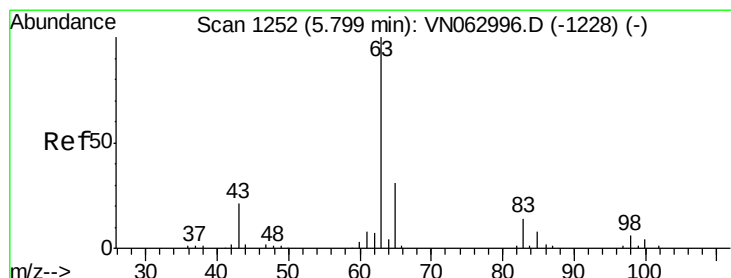
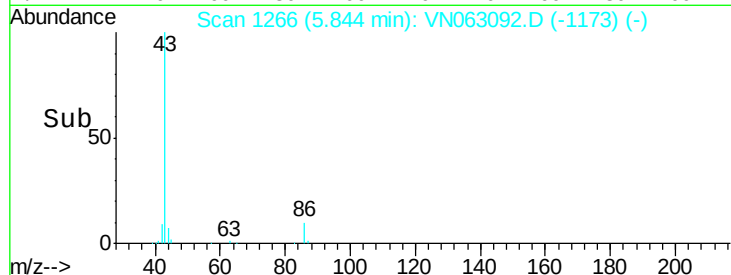
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.595 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

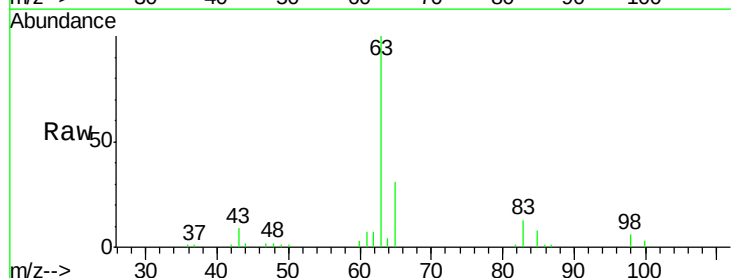
Tgt Ion: 63 Resp: 66786

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

25000

20000

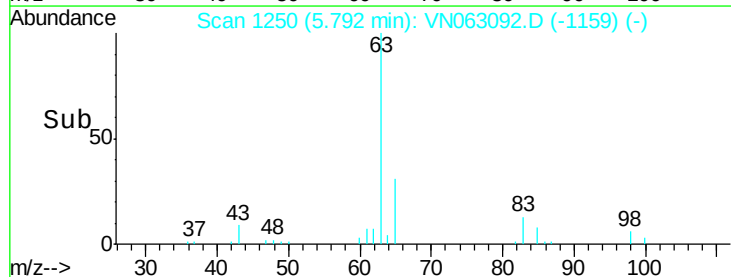
15000

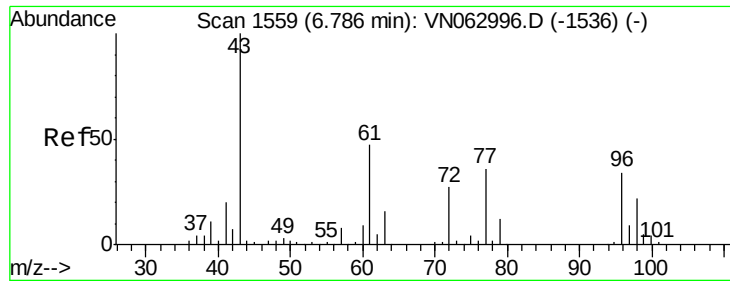
10000

5000

0

Time-->





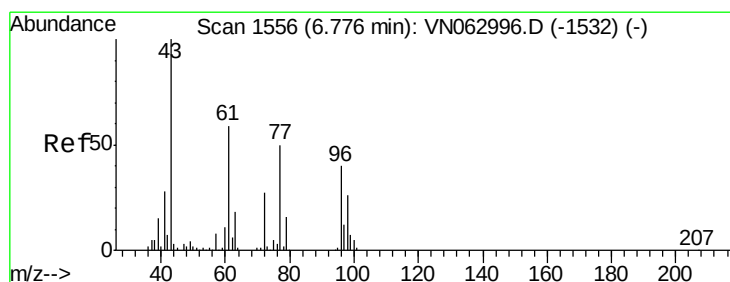
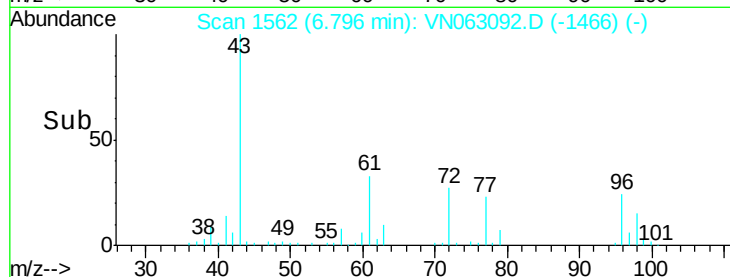
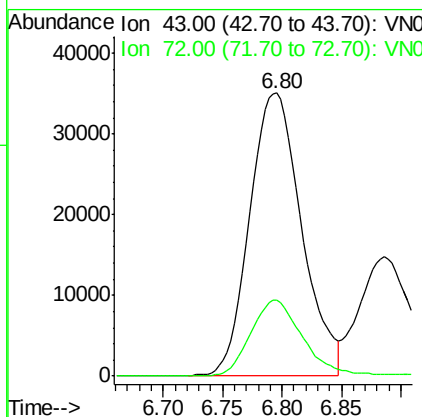
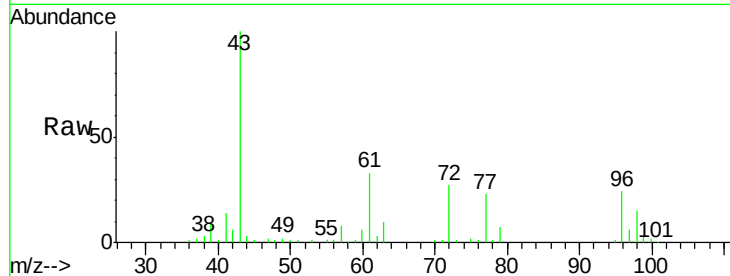
#25
2-Butanone
Concen: 98.922 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion: 43 Resp: 106352
Ion Ratio Lower Upper
43 100
72 27.0 21.8 32.6

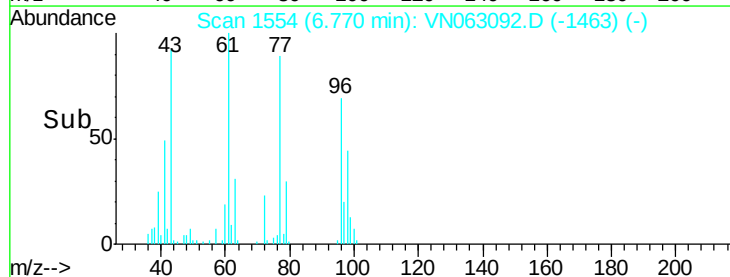
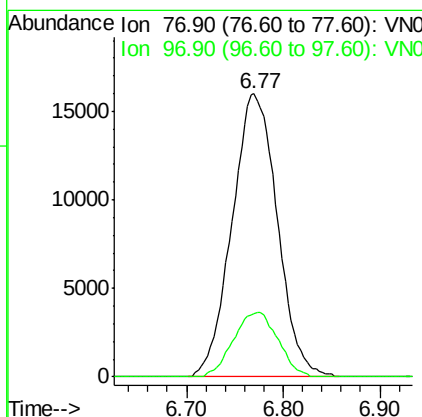
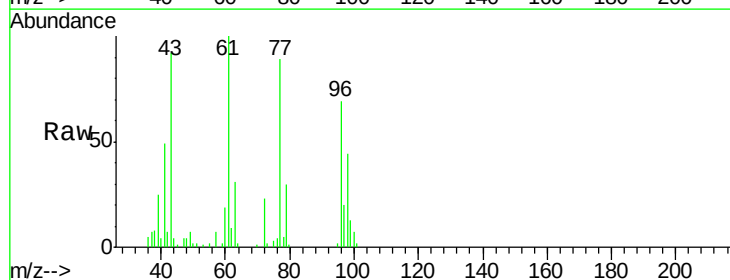
Manual Integrations
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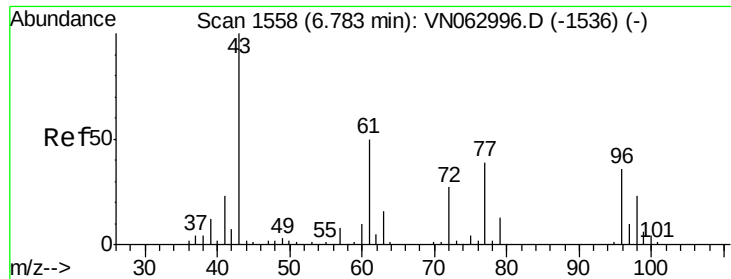
MMDadoda
8/25/2020 12:14:32 PM



#26
2,2-Dichloropropane
Concen: 20.401 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion: 77 Resp: 52028
Ion Ratio Lower Upper
77 100
97 22.5 11.7 35.1





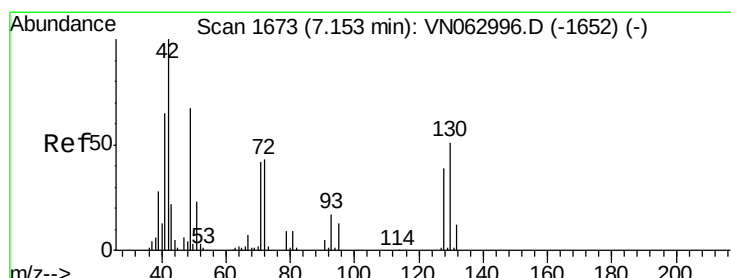
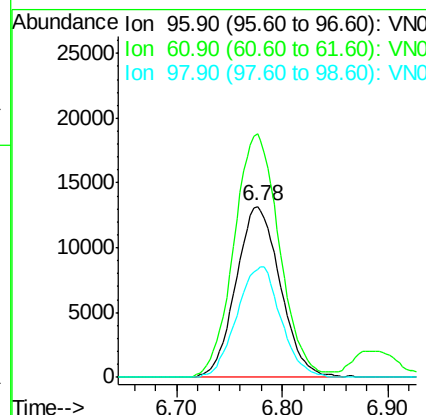
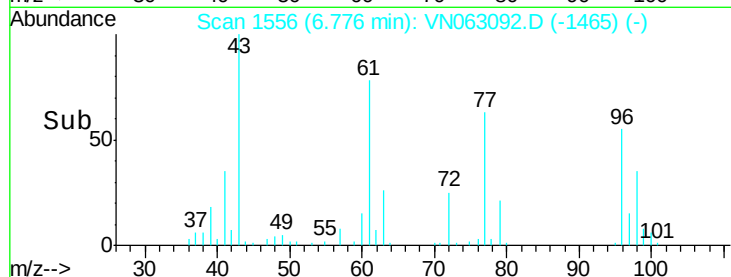
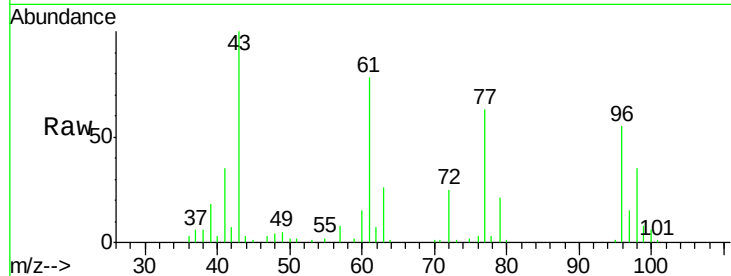
#27
 cis-1,2-Dichloroethene
 Concen: 20.207 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.6	0.0	292.8	
98	64.4	0.0	130.6	

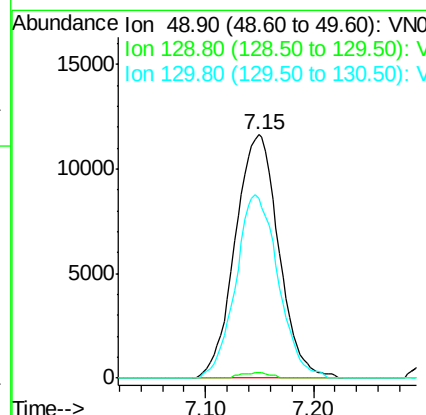
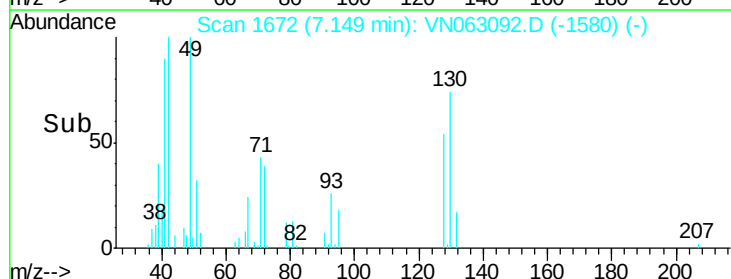
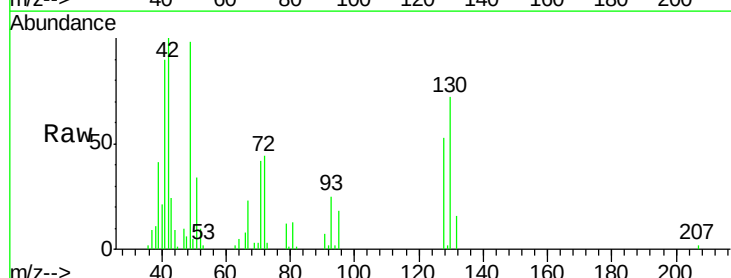
Manual Integrations
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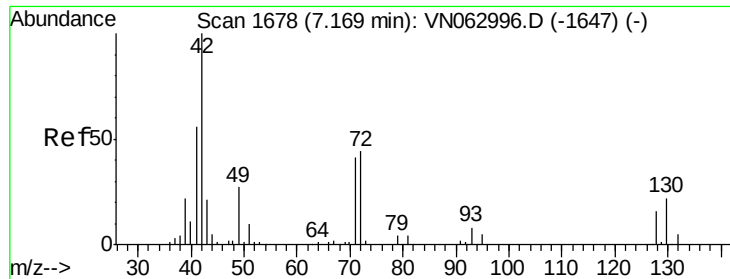
MMDadoda
 8/25/2020 12:14:32 PM



#28
 Bromochloromethane
 Concen: 19.255 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	73.5	61.1	91.7	





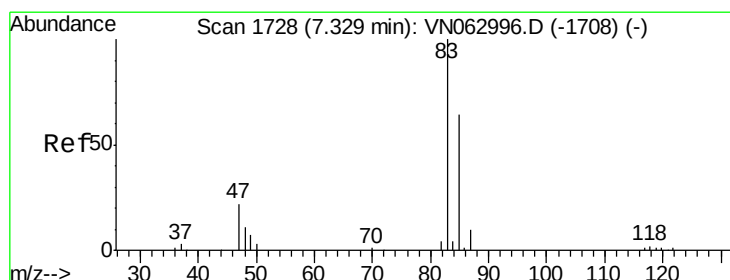
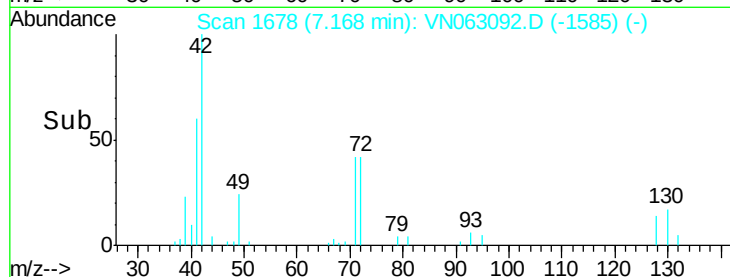
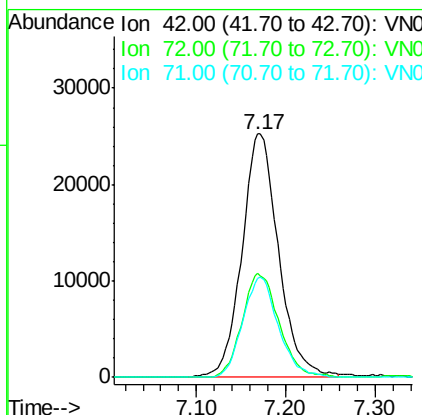
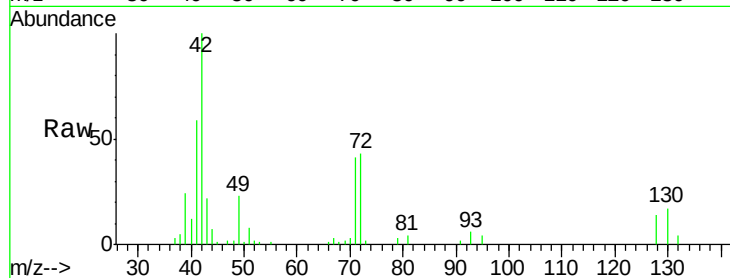
#29
Tetrahydrofuran
Concen: 104.033 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	52.0
71	40.1	32.3	48.5

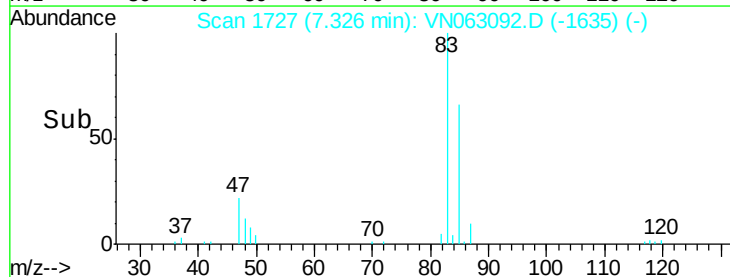
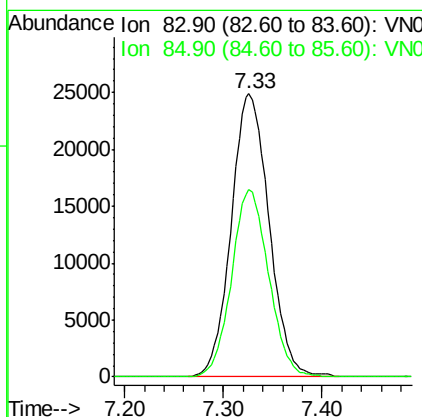
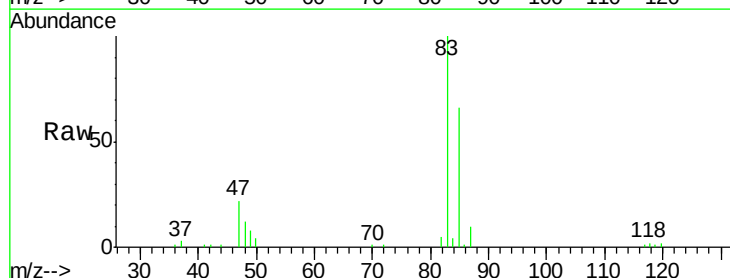
Manual Integrations
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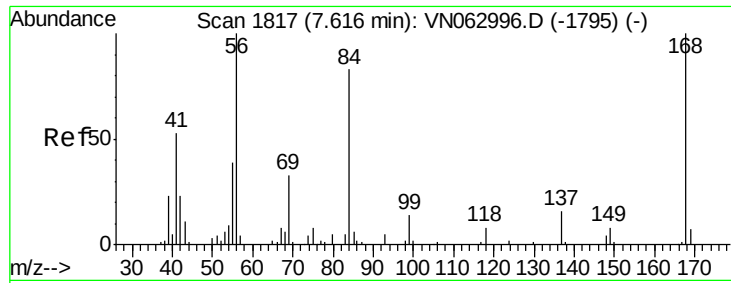
MMDadoda
8/25/2020 12:14:32 PM



#30
Chloroform
Concen: 20.346 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.5	77.3





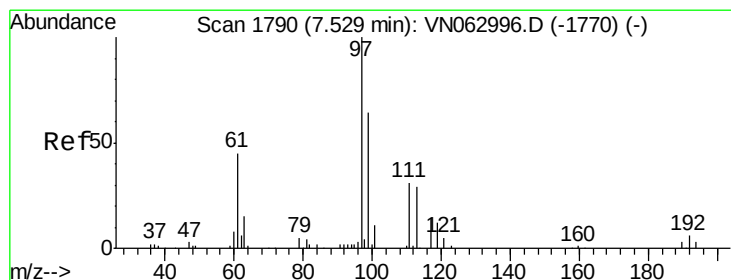
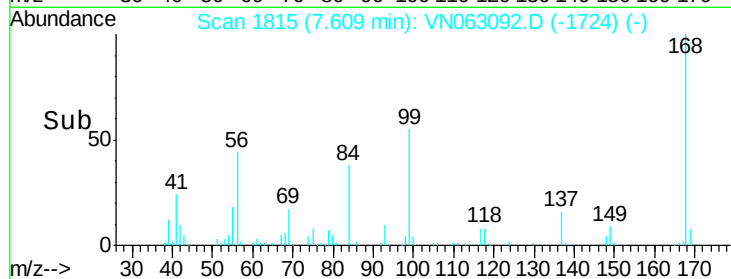
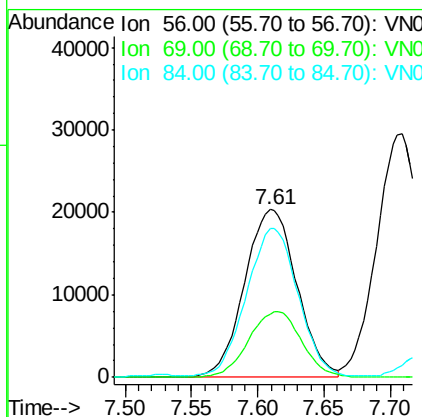
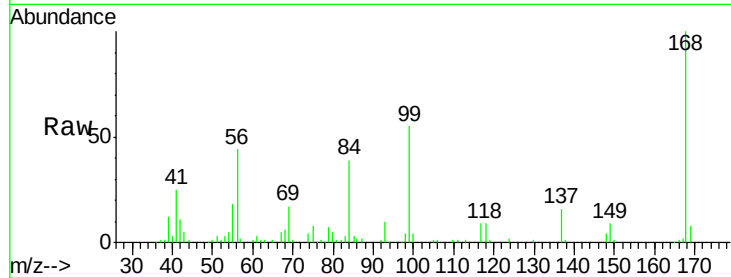
#31
Cyclohexane
Concen: 18.810 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	26.6	40.0
84	87.8	66.4	99.6

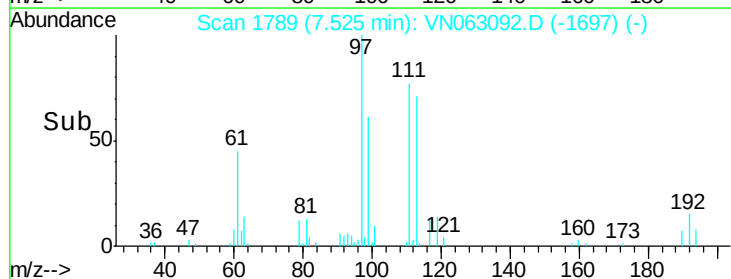
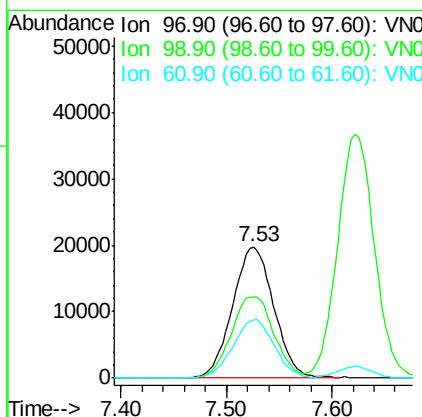
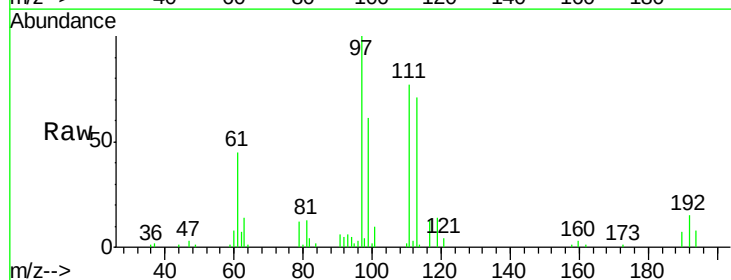
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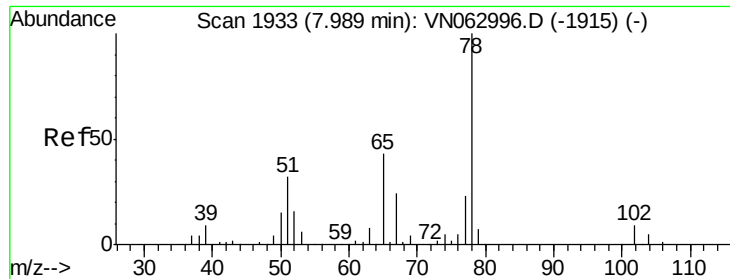
MMDadoda
8/25/2020 12:14:32 PM



#32
1,1,1-Trichloroethane
Concen: 20.133 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	44.7	36.2	54.4





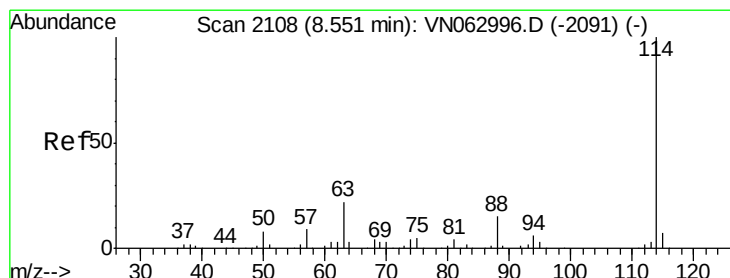
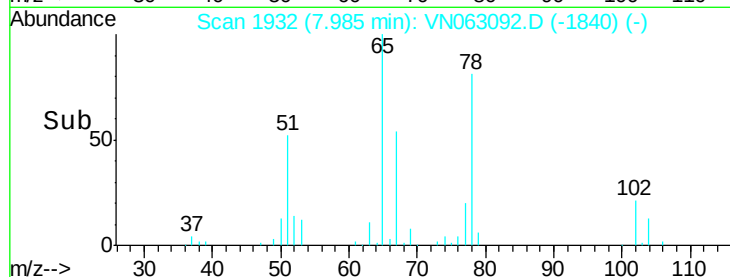
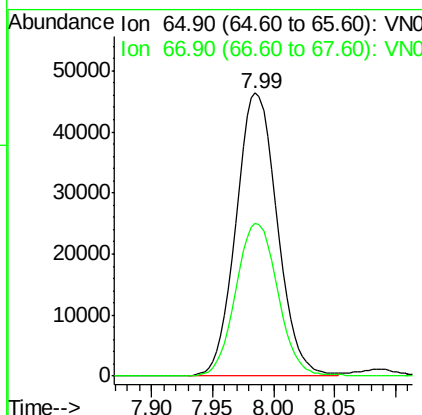
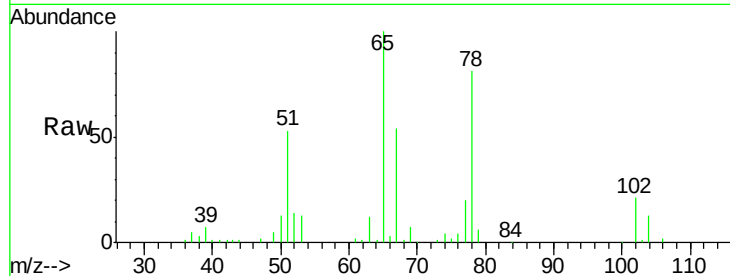
#33
 1,2-Dichloroethane-d4
 Concen: 53.581 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108504		
67	54.9	0.0	112.0	

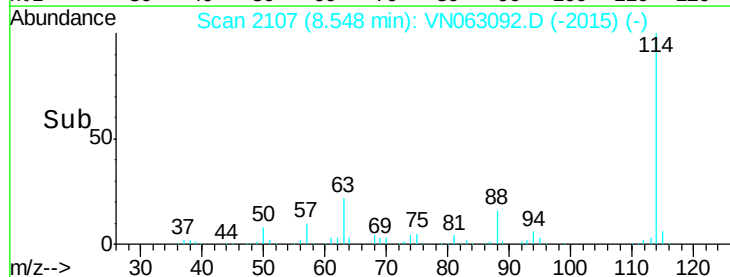
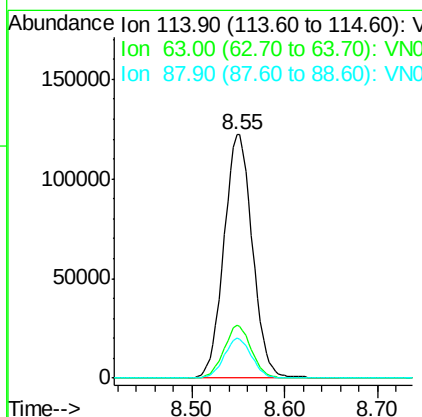
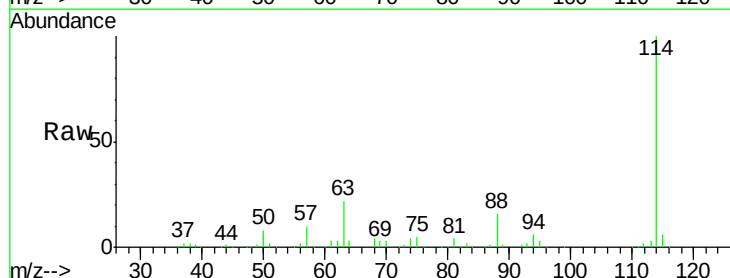
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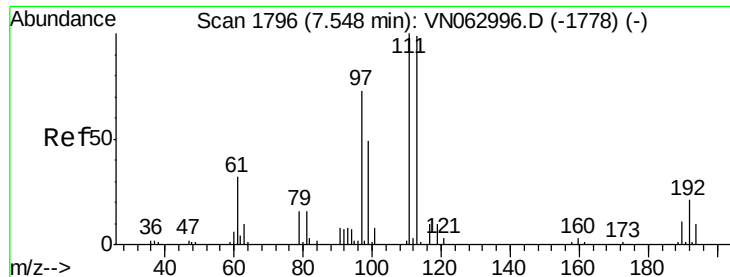
MMDadoda
 8/25/2020 12:14:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	260169		
63	21.6	0.0	43.2	
88	16.2	0.0	30.6	





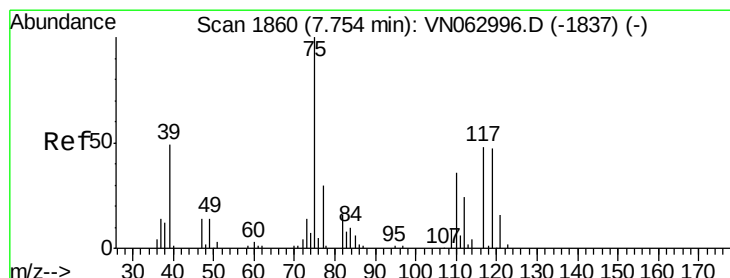
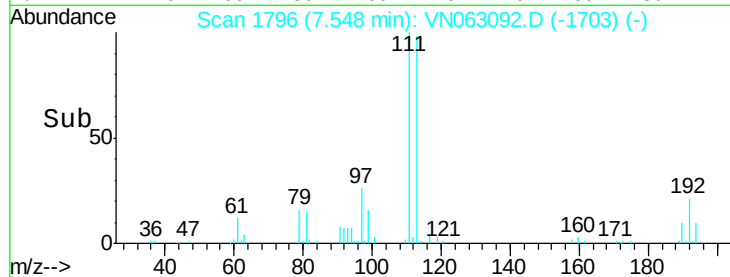
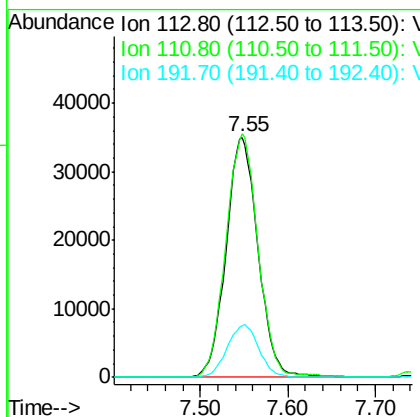
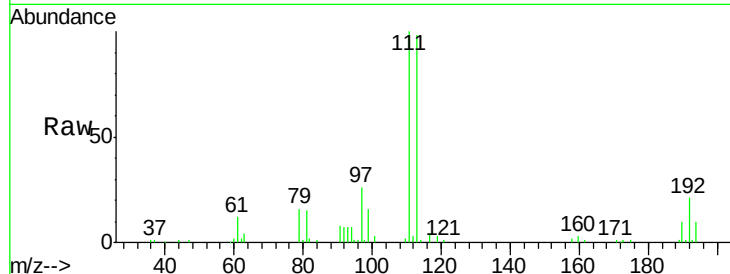
#35
 Dibromofluoromethane
 Concen: 52.285 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88637		
111	102.7		81.7	122.5
192	21.7		17.5	26.3

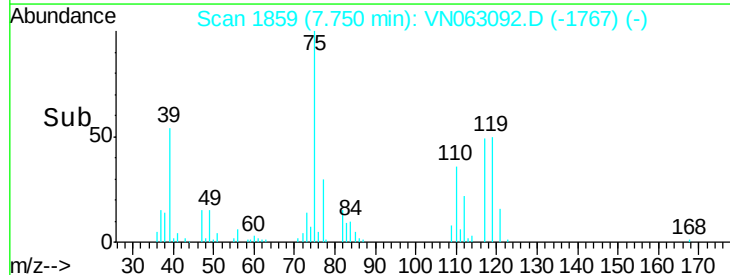
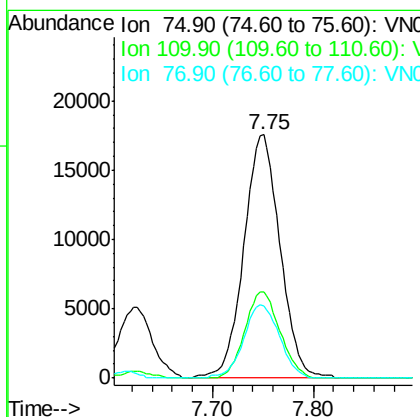
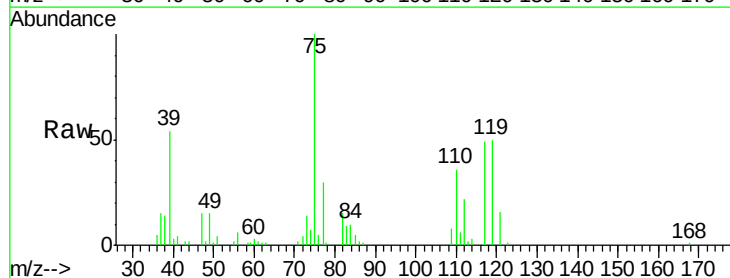
Manual Integrations
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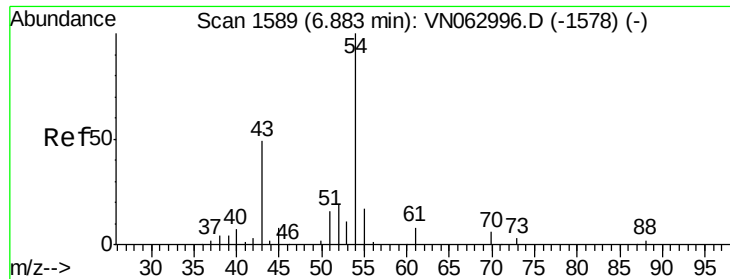
MMDadoda
 8/25/2020 12:14:32 PM



#36
 1,1-Dichloropropene
 Concen: 19.037 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43646		
110	34.3		17.5	52.6
77	29.7		24.2	36.4





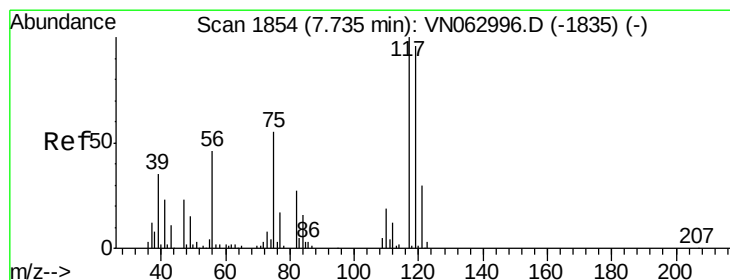
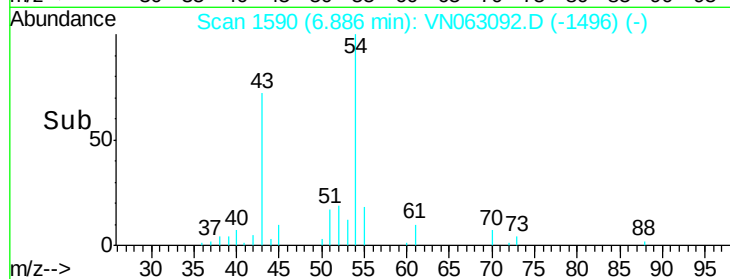
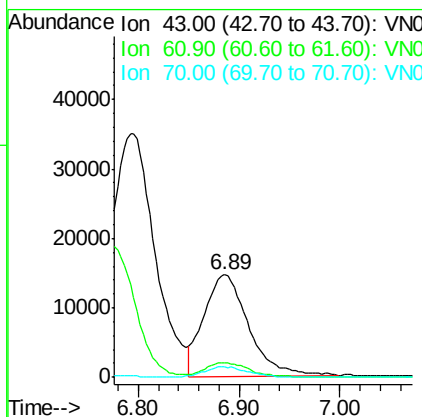
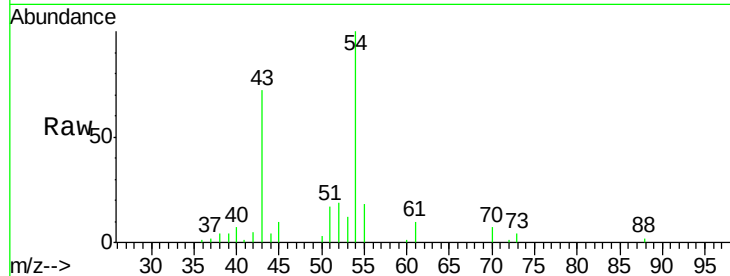
#37
Ethyl Acetate
Concen: 20.810 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	9.9	8.2	12.2

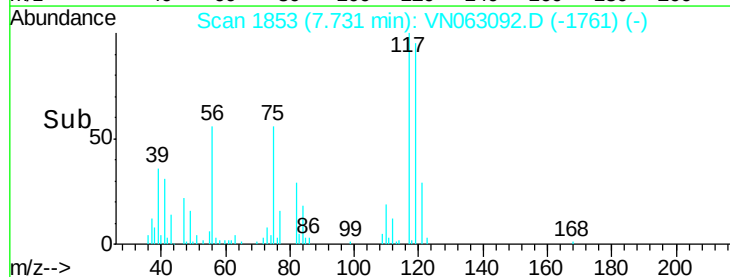
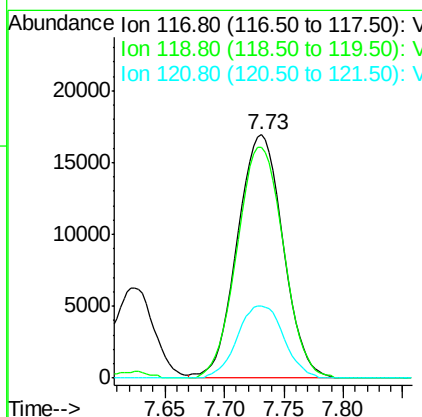
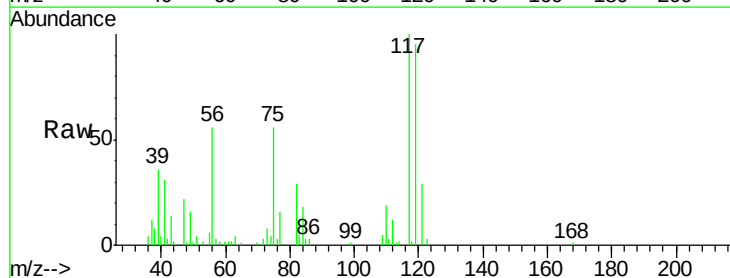
Manual Integrations
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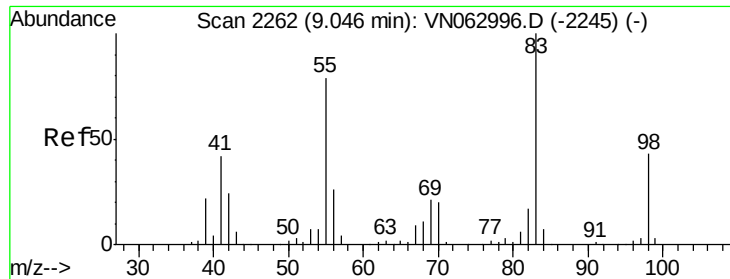
MMDadoda
8/25/2020 12:14:32 PM



#38
Carbon Tetrachloride
Concen: 19.519 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.2	114.4
121	29.5	24.2	36.2





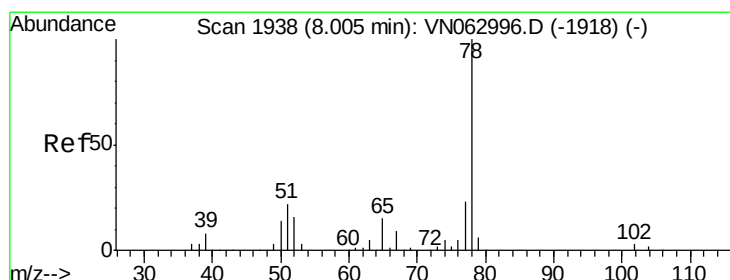
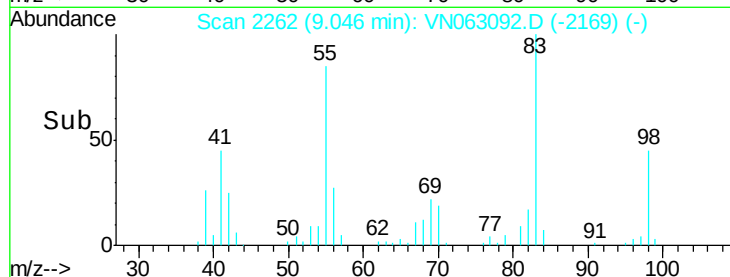
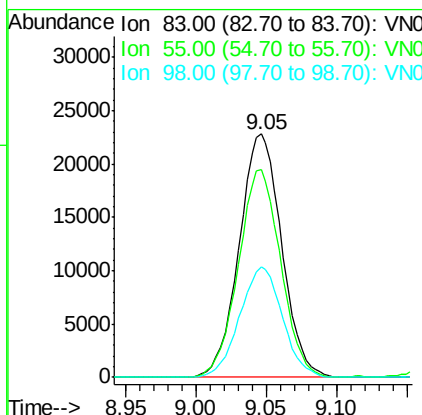
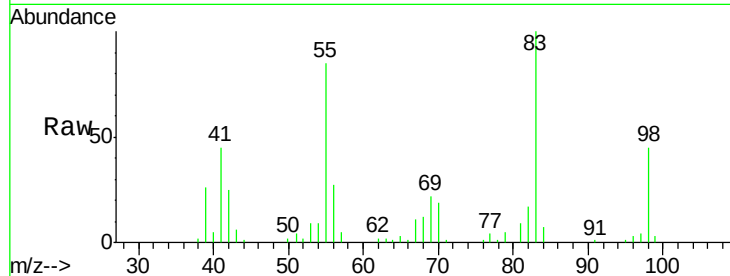
#39
Methylvlcyclohexane
Concen: 16.593 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	63.3	94.9
98	45.1	34.2	51.4

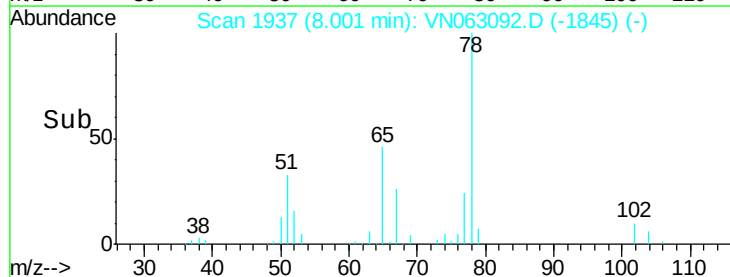
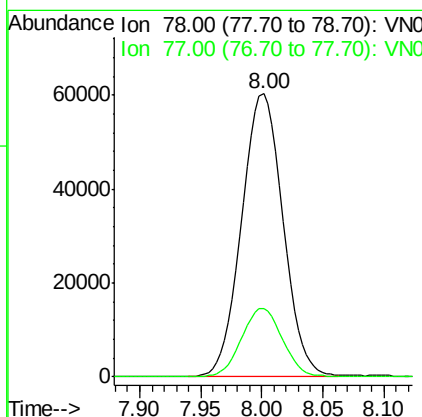
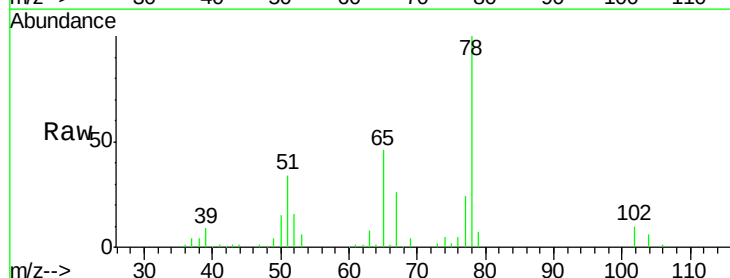
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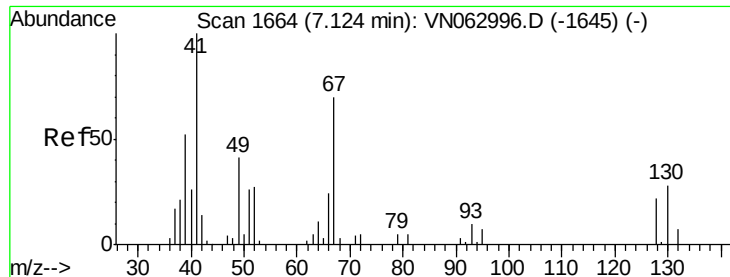
MMDadoda
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#40
Benzene
Concen: 19.539 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





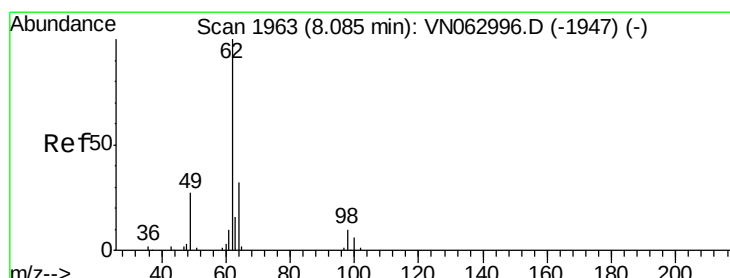
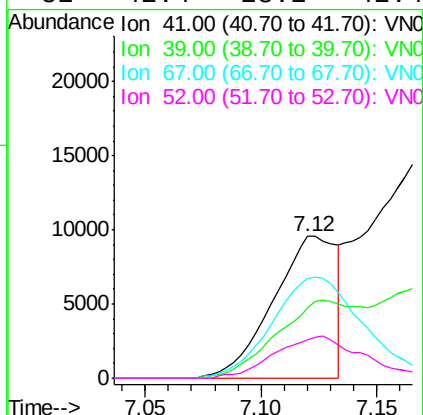
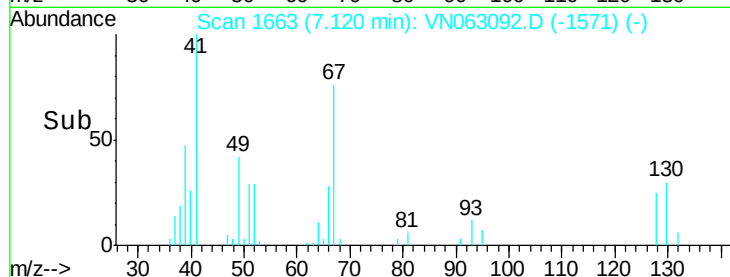
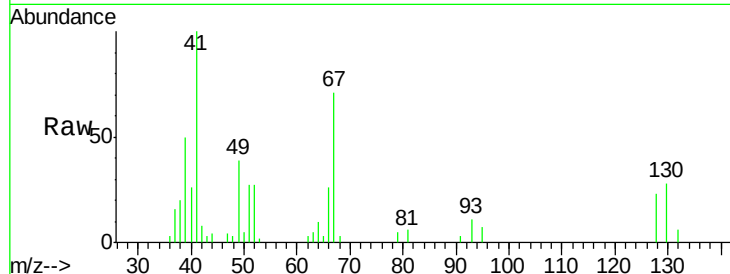
#41
Methacrylonitrile
Concen: 17.811 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.5	41.6	62.4#
67	104.7	71.8	107.8
52	42.4	28.2	42.4#

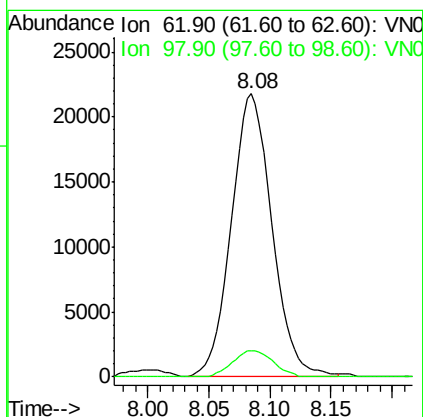
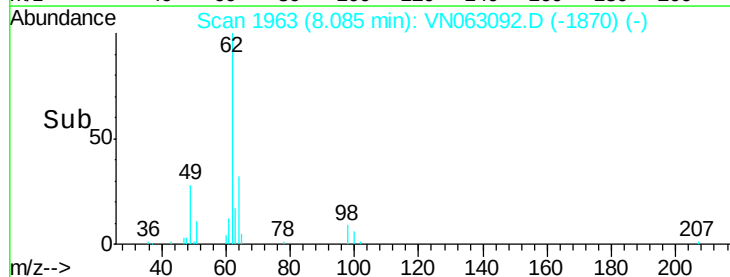
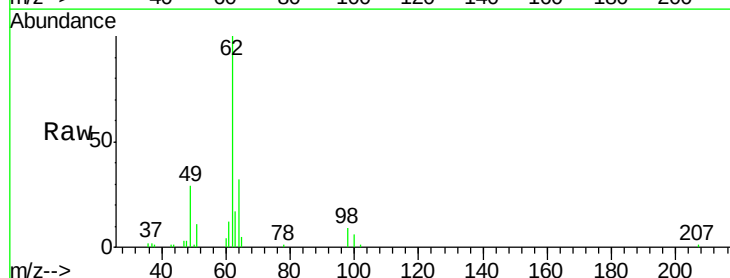
Manual Integrations
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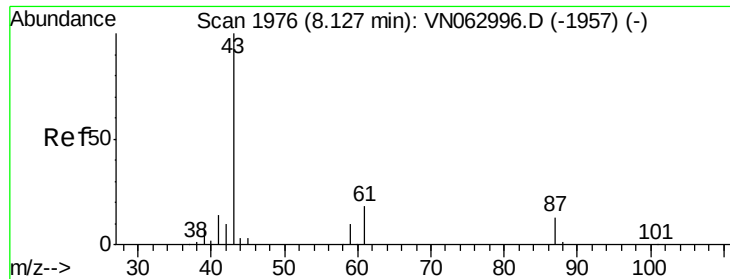
MMDadoda
8/25/2020 12:14:32 PM



#42
1,2-Dichloroethane
Concen: 20.622 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.571 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

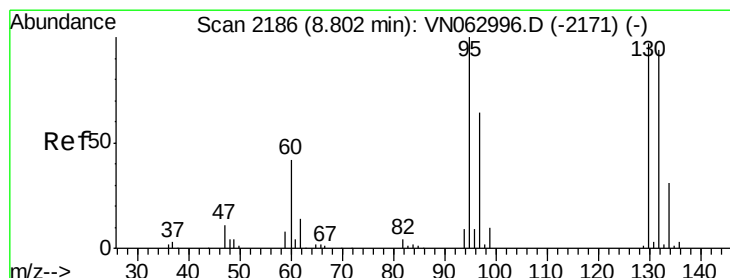
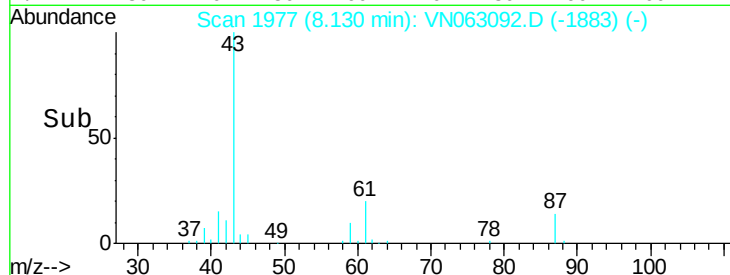
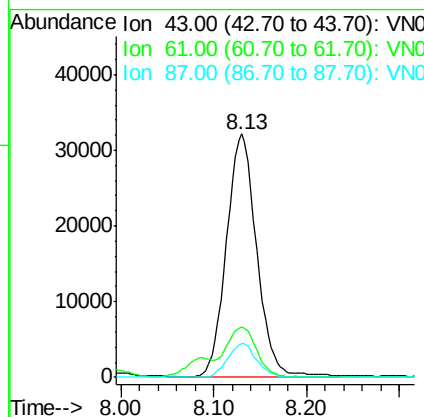
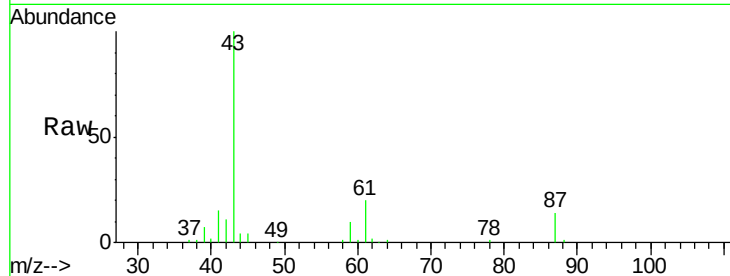
ClientSampleId :

VN0824WBS01

Tot Ion:	43	Resp:	73216
Ion Ratio	Lower	Upper	
43	100		
61	20.7	22.6	33.8#
87	13.0	10.5	15.7

Manual Integrations
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MMDadoda
8/25/2020 12:14:32 PM



#44

Trichloroethene

Concen: 19.144 ug/l

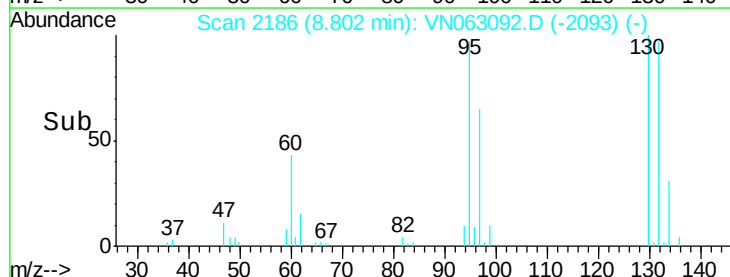
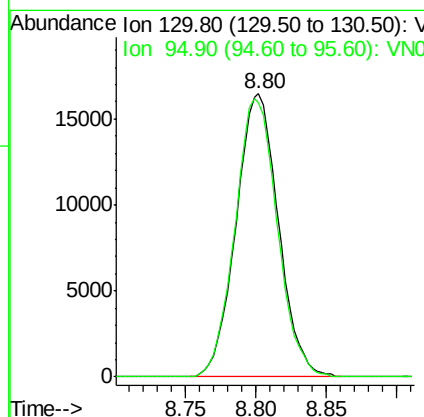
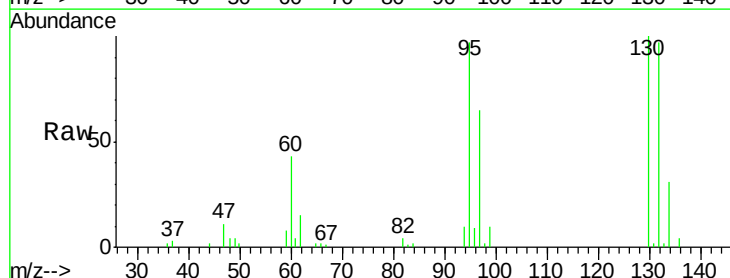
RT: 8.80 min Scan# 2186

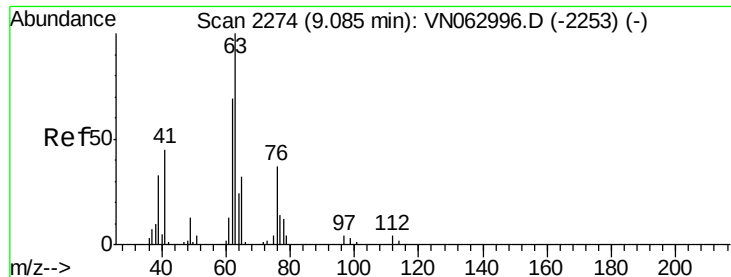
Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	130	Resp:	34628
Ion Ratio	Lower	Upper	
130	100		
95	96.8	0.0	205.6





#45

1,2-Dichloropropane

Concen: 20.234 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion: 63 Resp: 42531

Ion Ratio Lower Upper

63 100

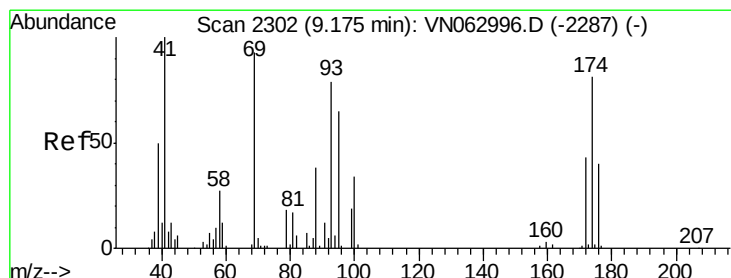
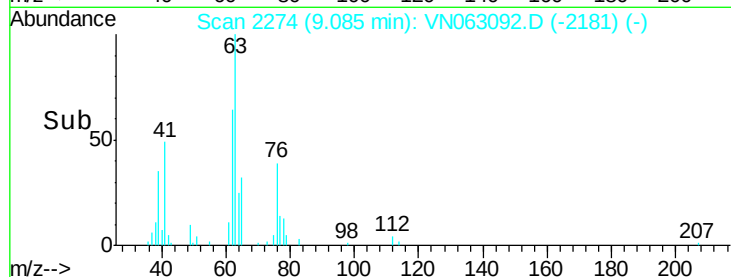
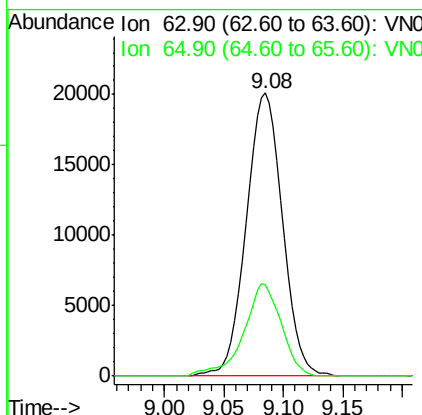
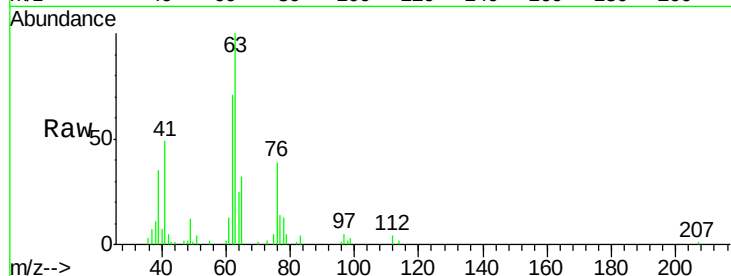
65 32.2 25.6 38.4

Manual Integrations

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8/25/2020 12:14:32 PM



#46

Dibromomethane

Concen: 20.502 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

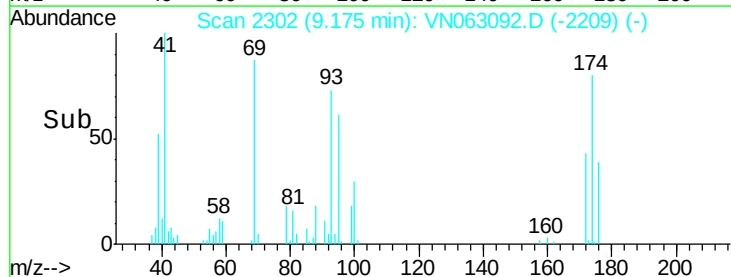
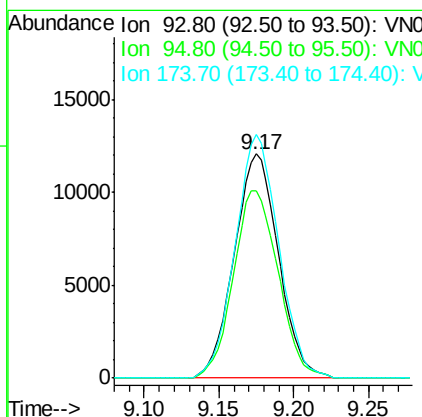
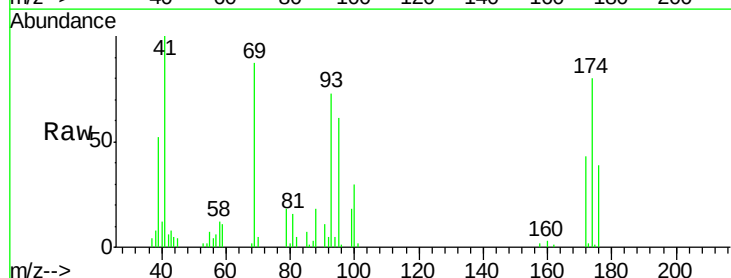
Tgt Ion: 93 Resp: 24895

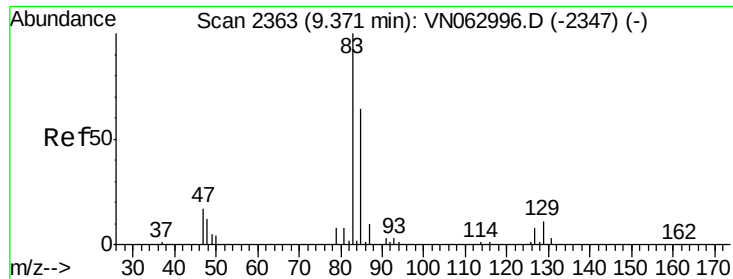
Ion Ratio Lower Upper

93 100

95 84.6 66.2 99.4

174 106.4 84.6 127.0





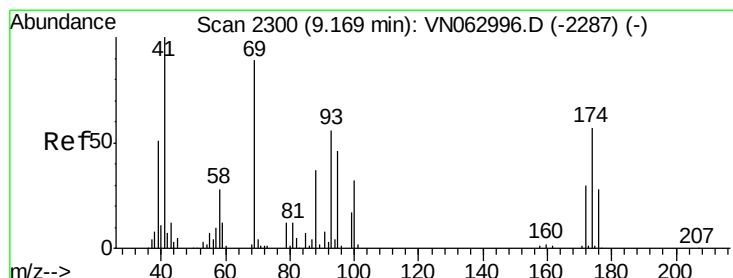
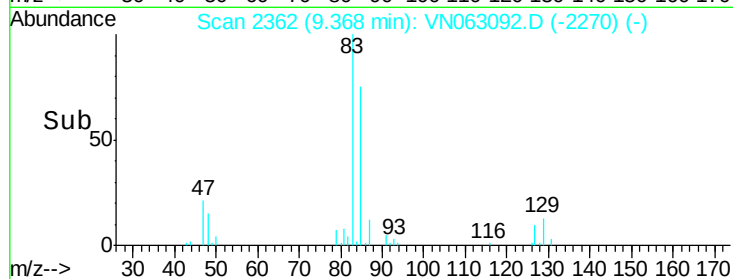
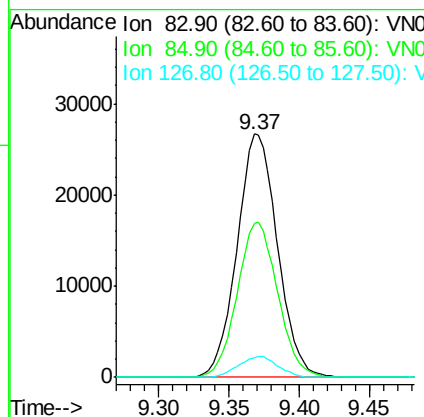
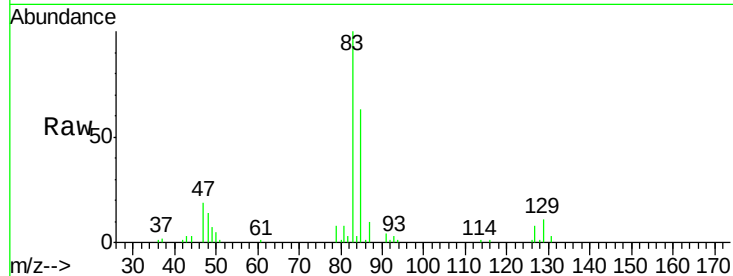
#47
Bromodichloromethane
Concen: 20.120 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion:	83	Resp:	53512
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.1	76.7
127	8.1	6.6	9.8

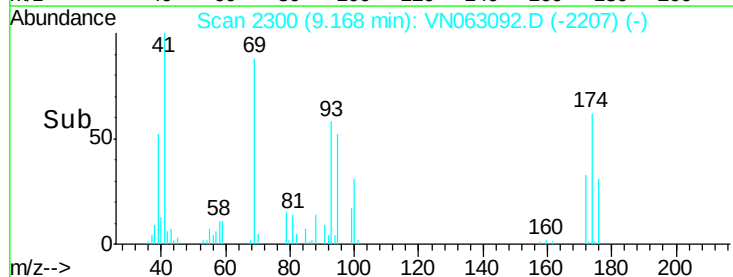
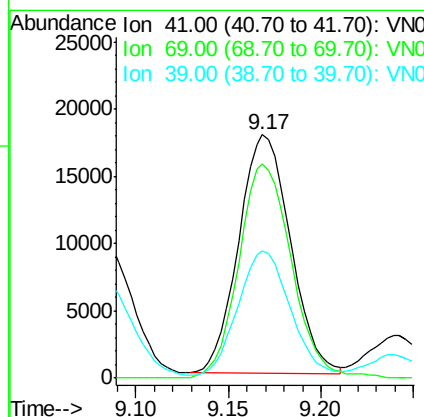
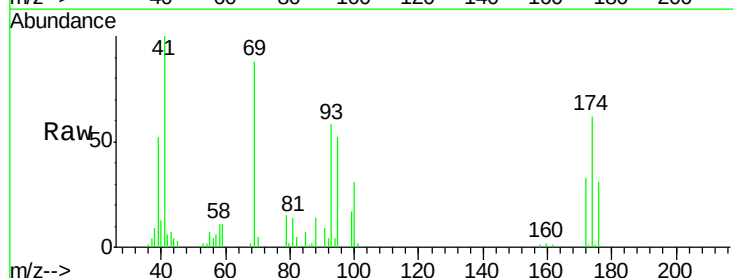
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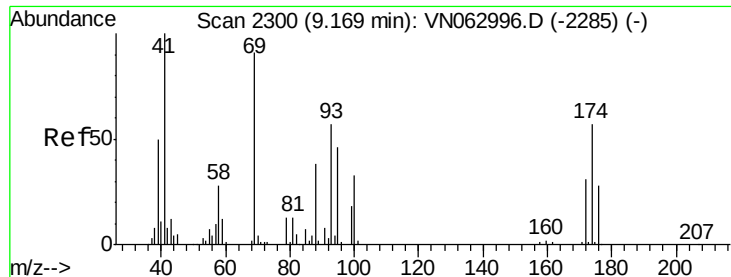
MMDadoda
8/25/2020 12:14:32 PM



#48
Methyl methacrylate
Concen: 20.534 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion:	41	Resp:	34579
Ion Ratio	Lower	Upper	
41	100		
69	90.9	74.2	111.4
39	54.7	42.5	63.7





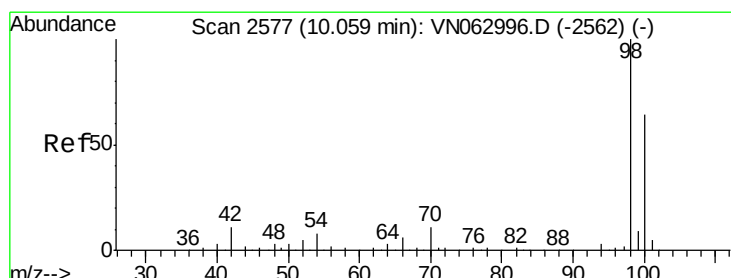
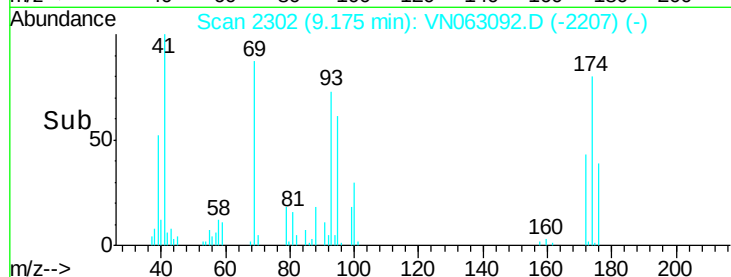
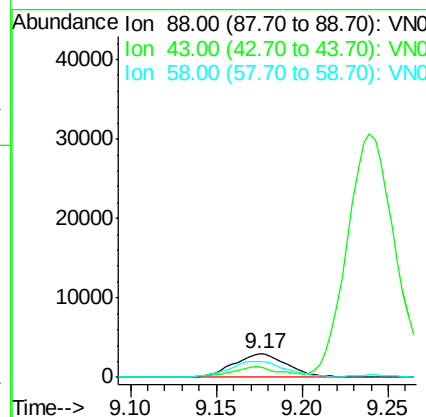
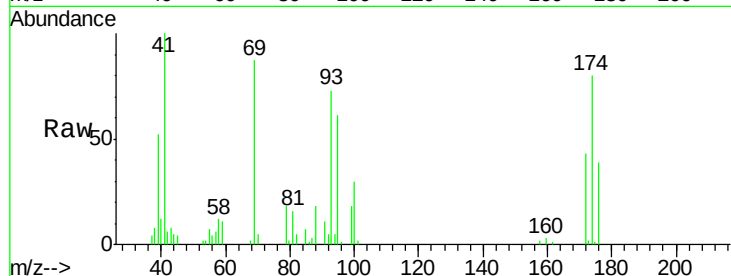
#49
1,4-Dioxane
Concen: 183.711 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	25.2	37.8#
58	72.6	56.7	85.1

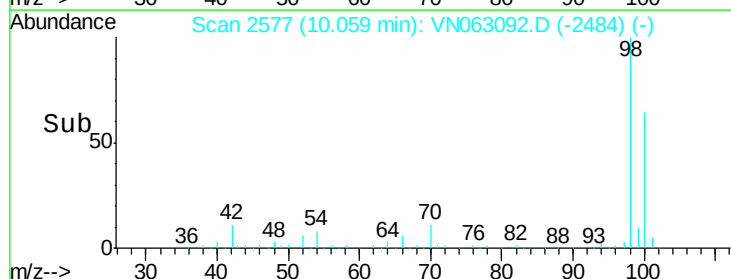
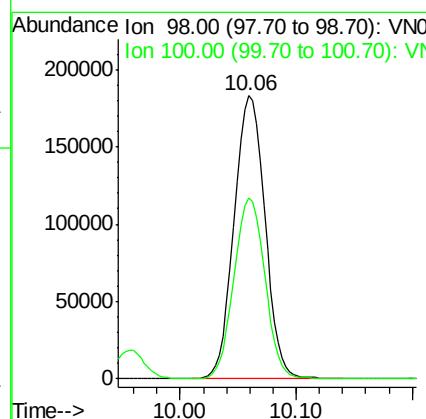
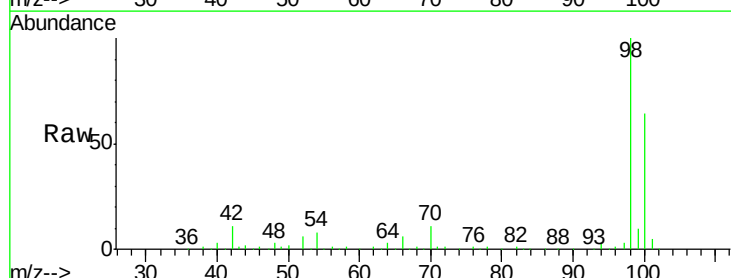
Manual Integrations
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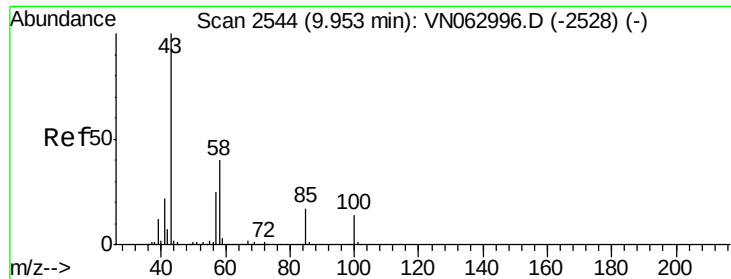
MMDadoda
8/25/2020 12:14:32 PM



#50
Toluene-d8
Concen: 51.843 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 108.730 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 43 Resp: 244608

Ion Ratio Lower Upper

43 100

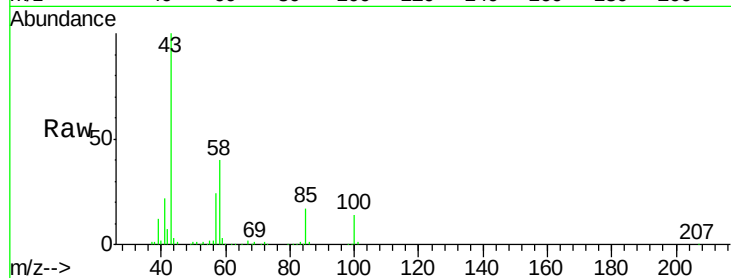
58 39.6 32.2 48.2

Manual Integrations

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MMDadoda

8/25/2020 12:14:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

150000

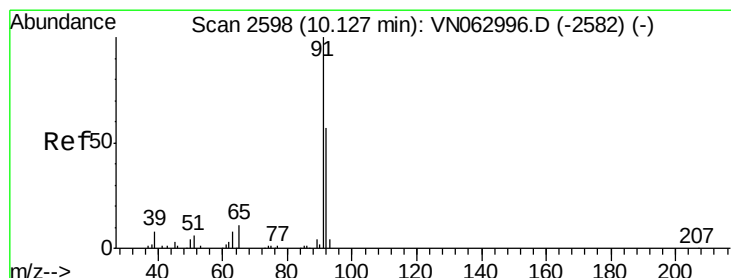
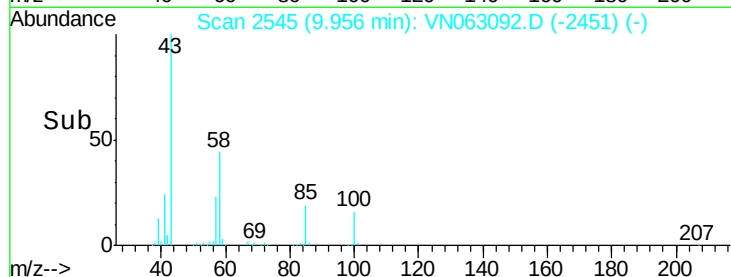
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 20.313 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063092.D

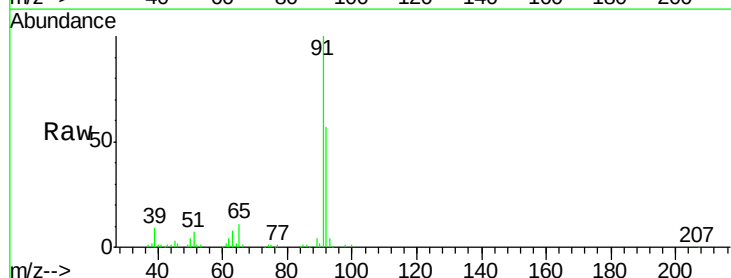
Acq: 24 Aug 2020 13:51

Tgt Ion: 92 Resp: 89107

Ion Ratio Lower Upper

92 100

91 177.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

100000

80000

60000

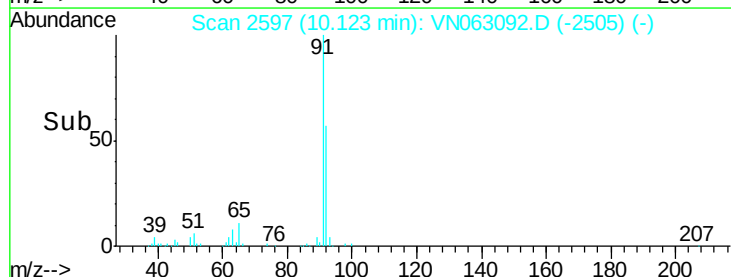
40000

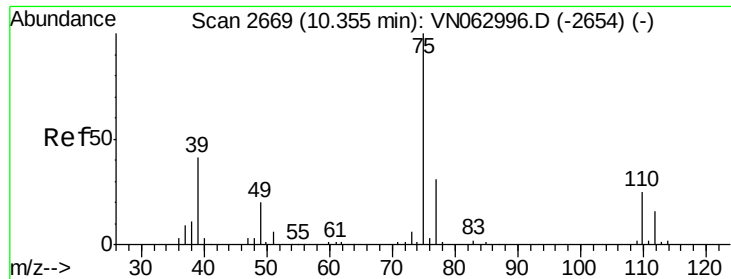
20000

0

10.05 10.10 10.15 10.20

Time-->





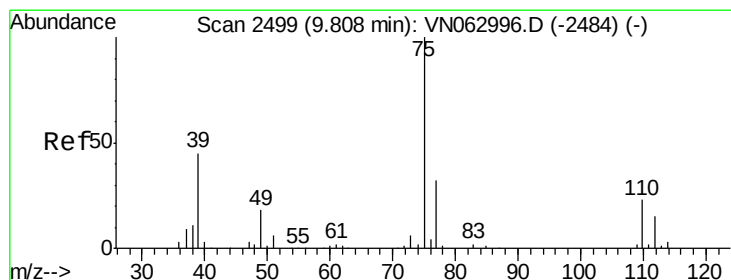
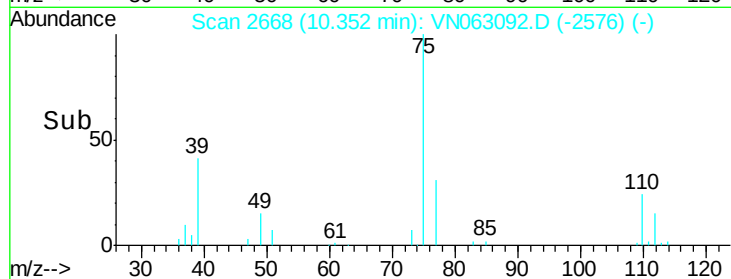
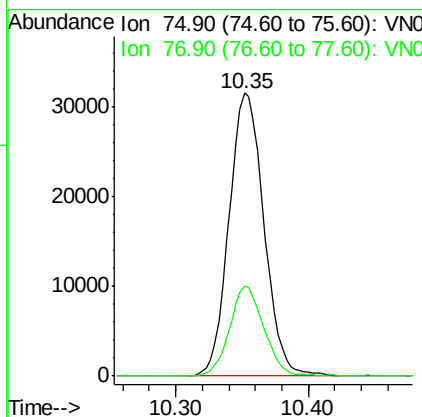
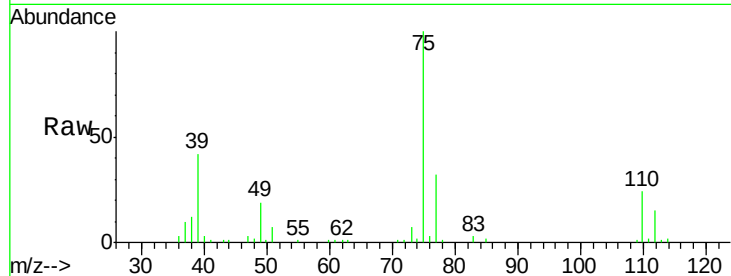
#53
 t-1,3-Dichloropropene
 Concen: 21.025 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion: 75 Resp: 57825
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0

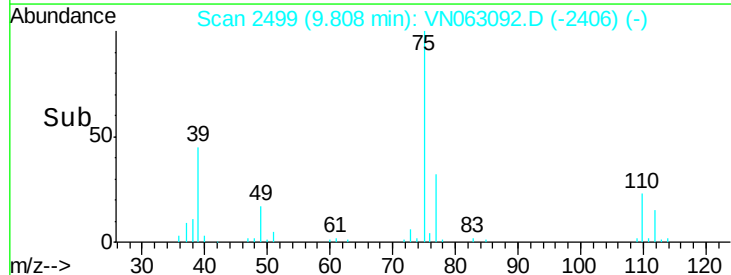
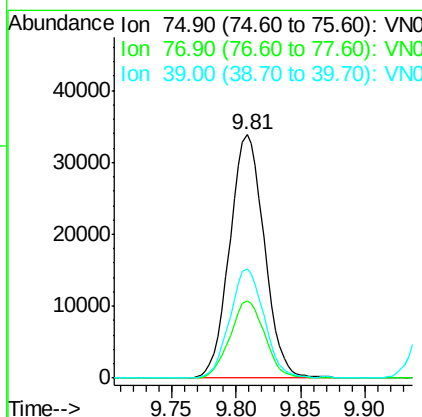
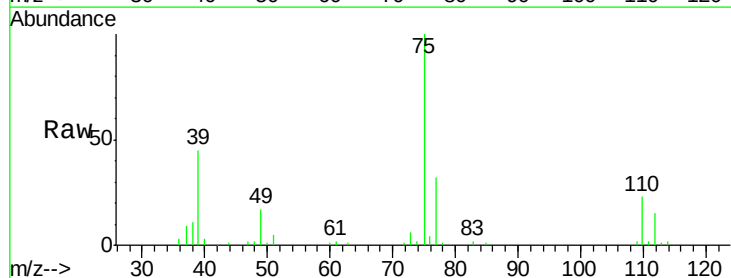
Manual Integrations
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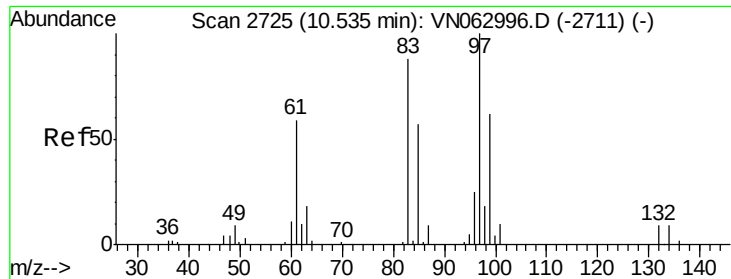
MMDadoda
 8/25/2020 12:14:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.927 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion: 75 Resp: 63140
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2
 39 44.8 35.7 53.5





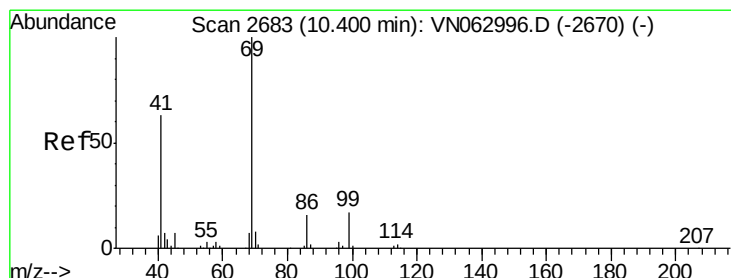
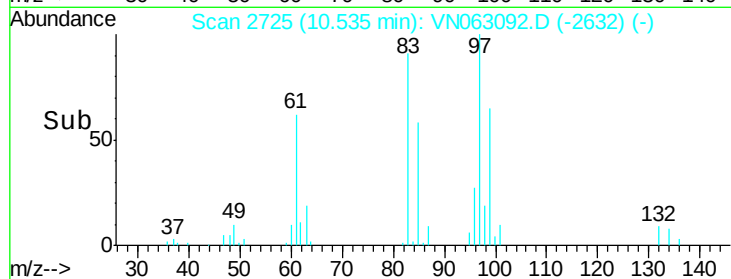
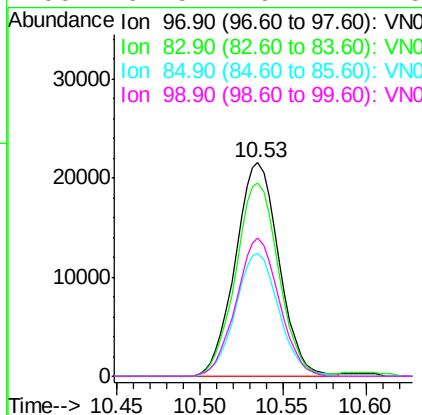
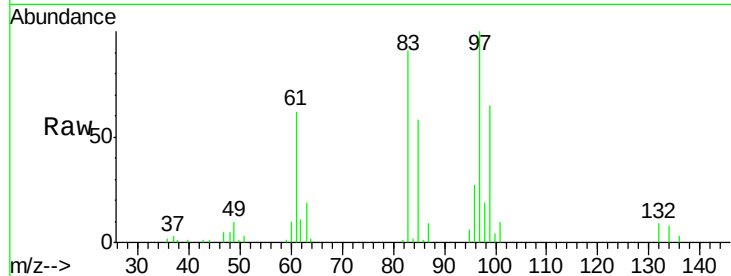
#55
 1,1,2-Trichloroethane
 Concen: 21.016 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion:	97	Resp:	39419
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.5	105.7
85	57.8	45.8	68.6
99	64.5	49.7	74.5

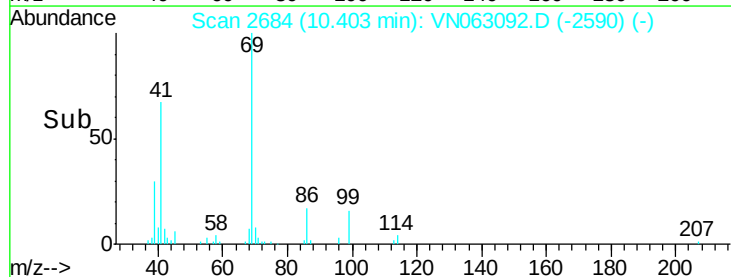
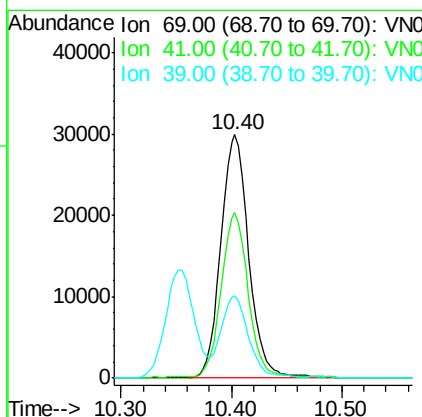
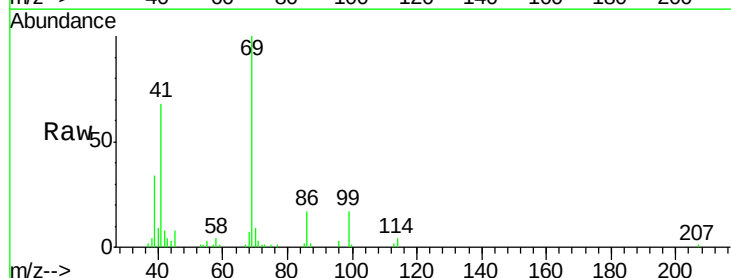
Manual Integrations
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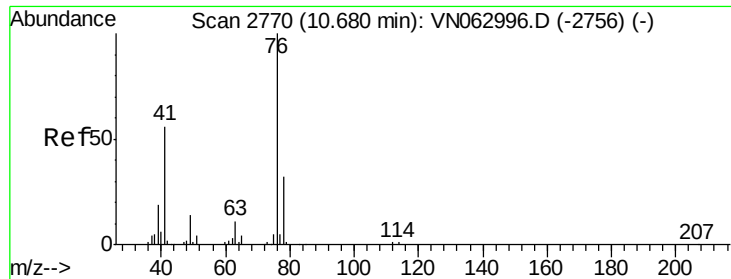
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#56
 Ethyl methacrylate
 Concen: 19.206 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion:	69	Resp:	52422
Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.2	75.2
39	33.3	24.2	36.4





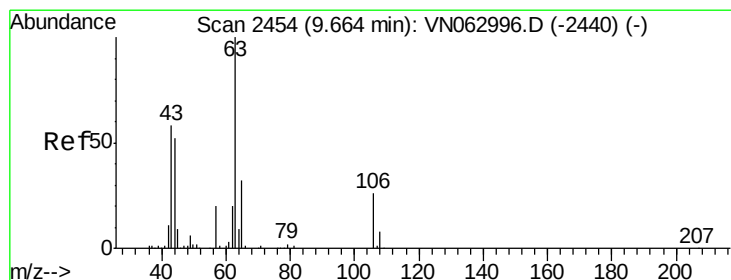
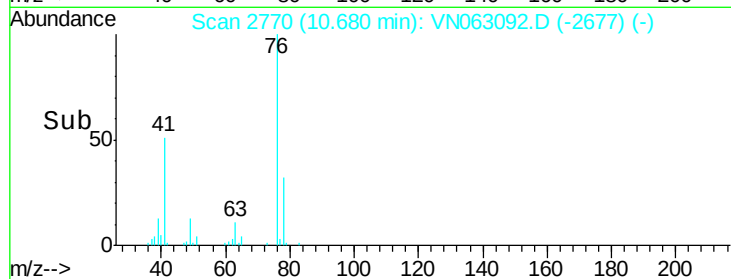
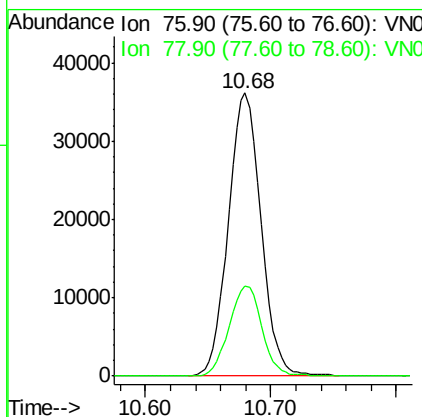
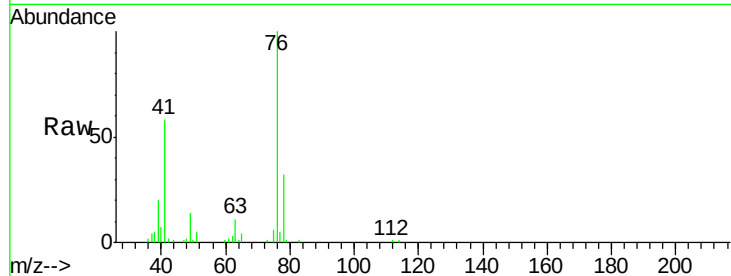
#57
 1,3-Dichloropropane
 Concen: 20.988 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1

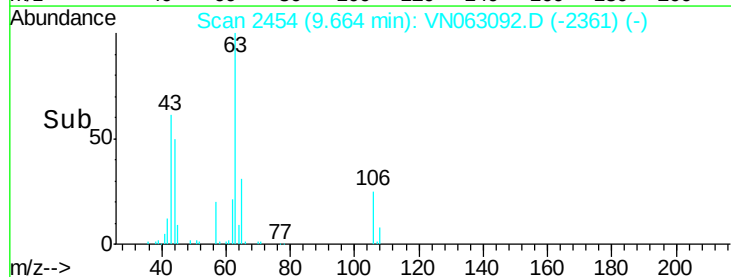
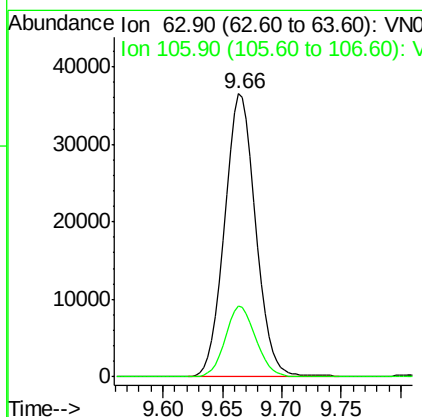
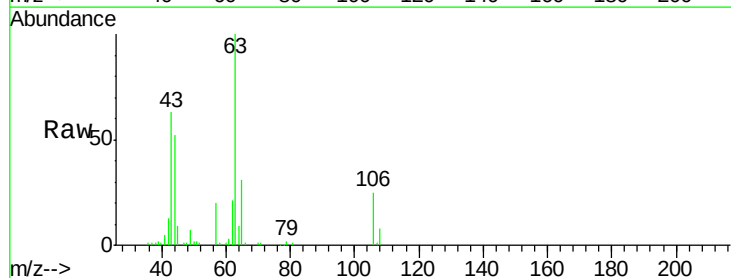
Manual Integrations
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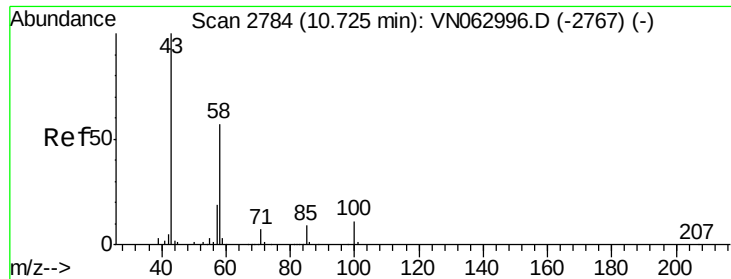
MMDadoda
 8/25/2020 12:14:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.669 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	20.7	31.1





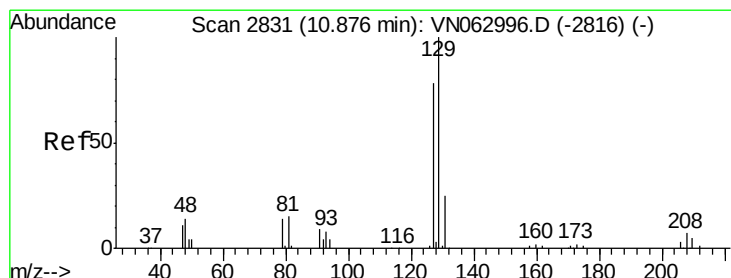
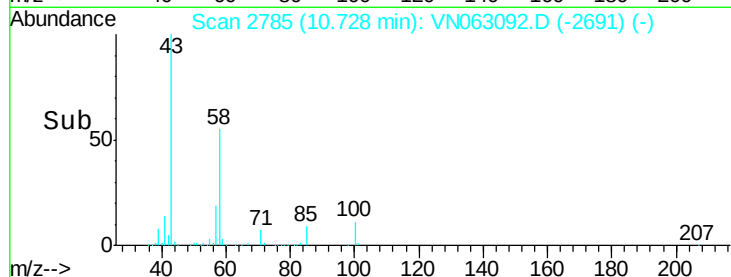
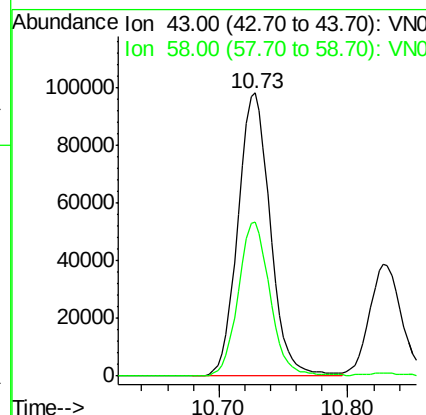
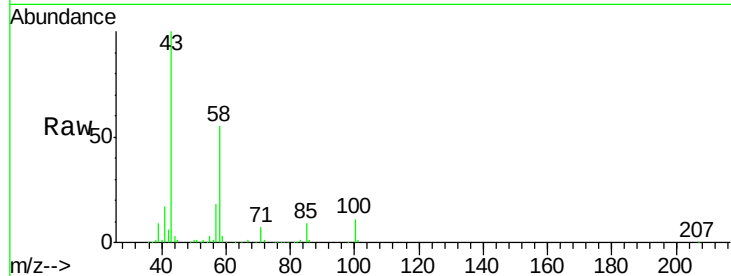
#59
2-Hexanone
Concen: 109.341 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion: 43 Resp: 171579
Ion Ratio Lower Upper
43 100
58 53.2 28.1 84.3

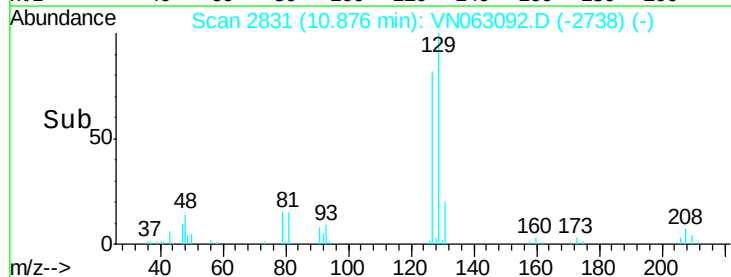
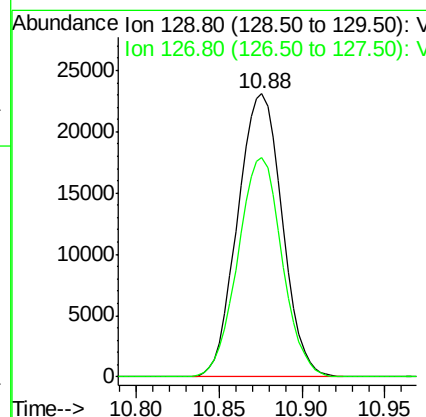
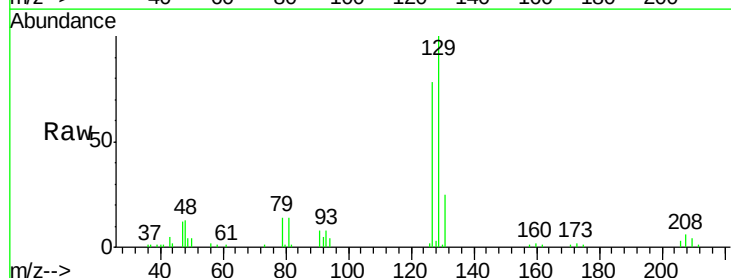
Manual Integrations
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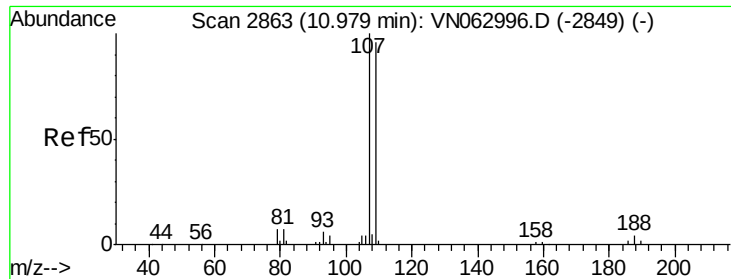
MMDadoda
8/25/2020 12:14:32 PM



#60
Dibromochloromethane
Concen: 20.809 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion: 129 Resp: 43193
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





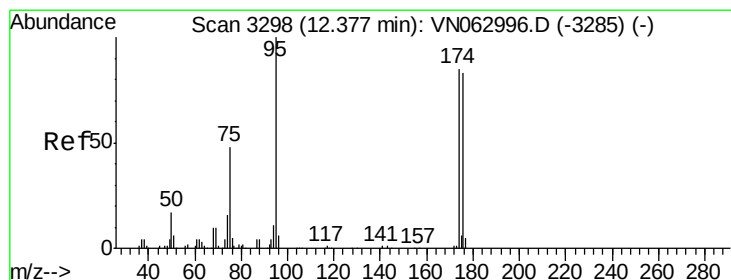
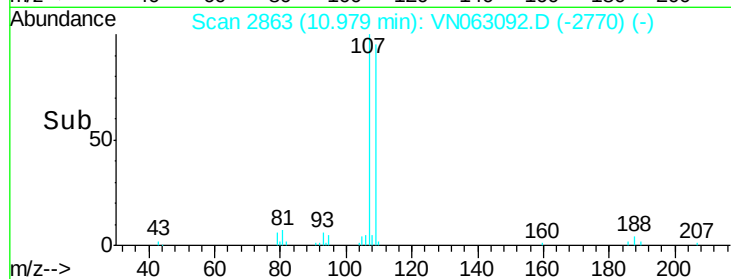
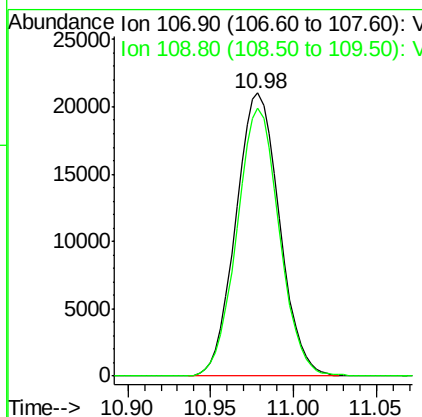
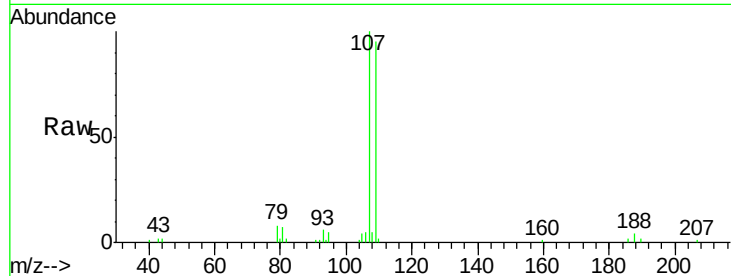
#61
 1,2-Dibromoethane
 Concen: 21.305 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.7	113.5

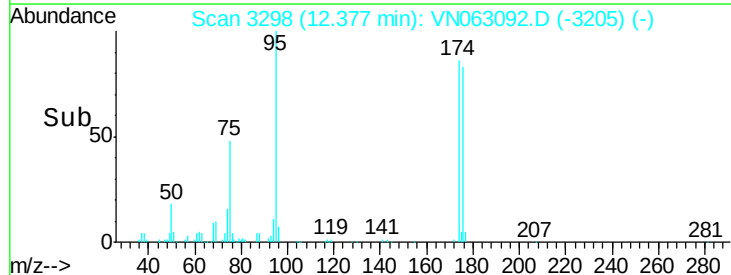
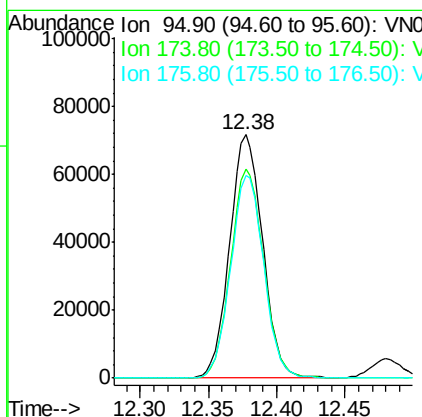
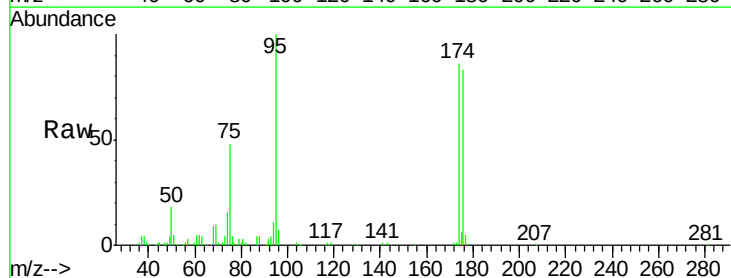
Manual Integrations
 APPROVED

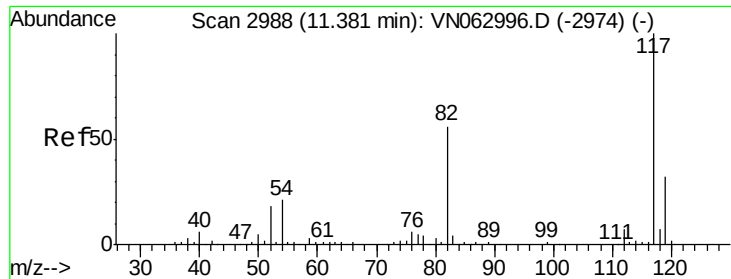
MMDadoda
 8/25/2020 12:14:32 PM



#62
 4-Bromofluorobenzene
 Concen: 52.442 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	170.8
176	83.4	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: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

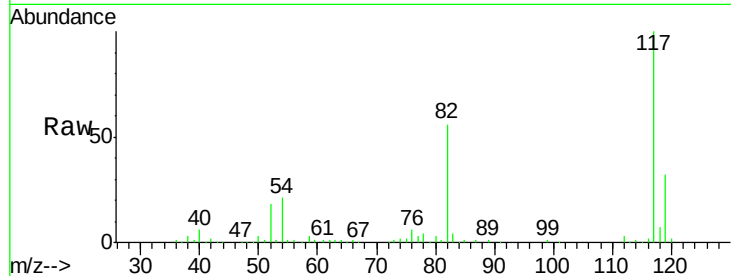
ClientSampleId :

VN0824WBS01

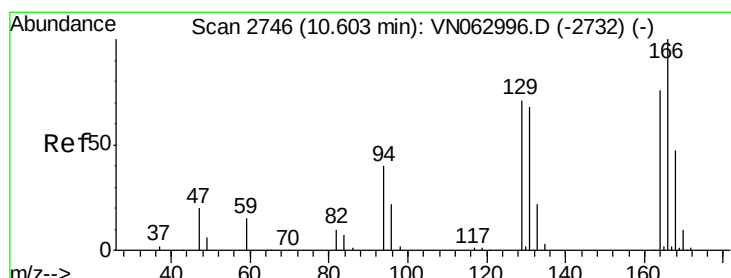
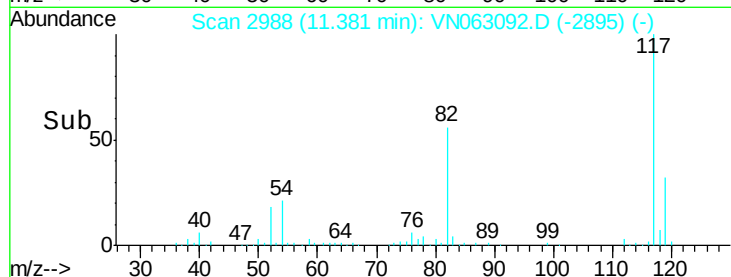
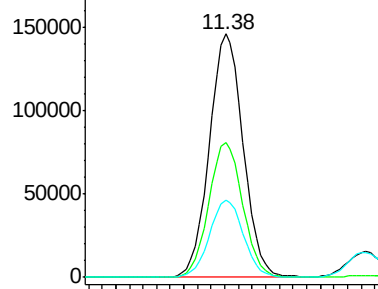
Tot Ion:	117	Resp:	251820
Ion Ratio	Lower	Upper	
117	100		
82	55.5	44.5	66.7
119	31.9	25.5	38.3

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.154 ug/l

RT: 10.60 min Scan# 2746

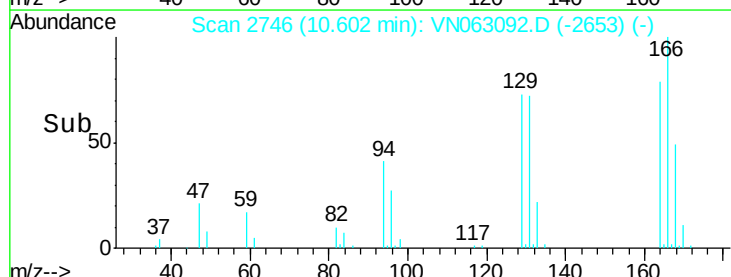
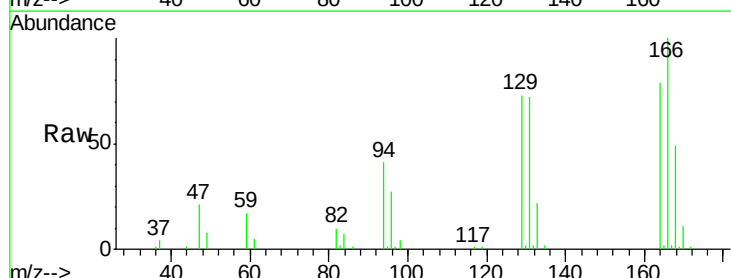
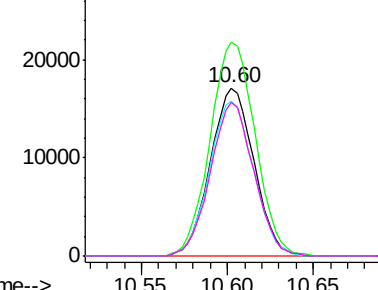
Delta R.T. -0.00 min

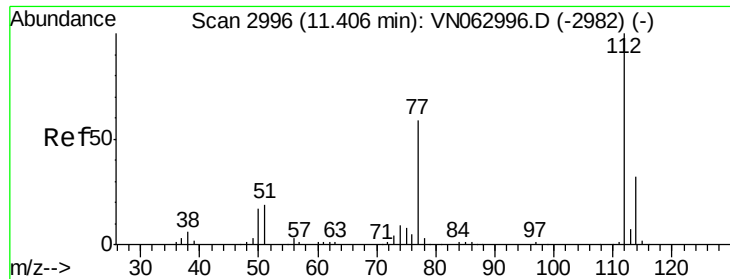
Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	164	Resp:	30050
Ion Ratio	Lower	Upper	
164	100		
166	127.0	105.0	157.6
129	92.4	74.7	112.1
131	91.2	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





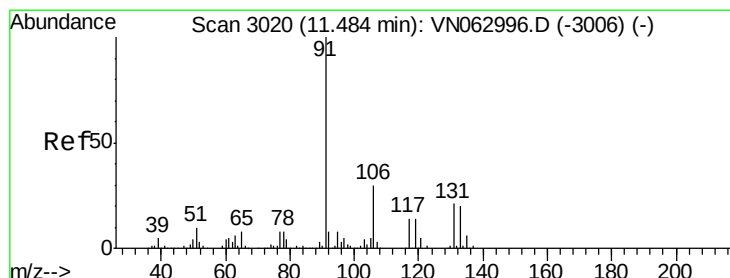
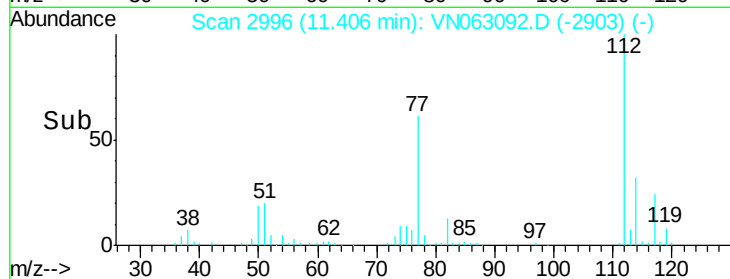
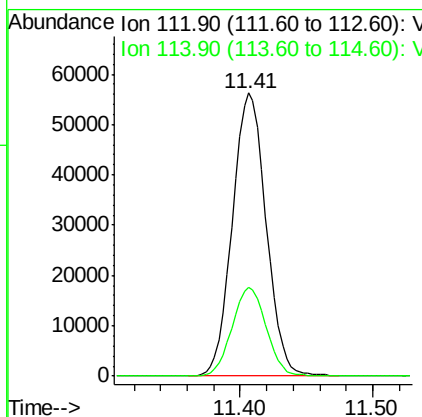
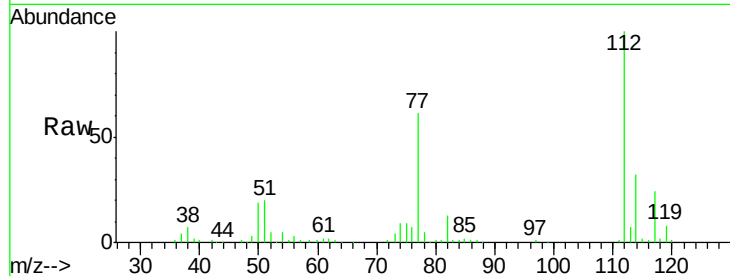
#65
Chlorobenzene
Concen: 19.622 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion:112 Resp: 99240
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

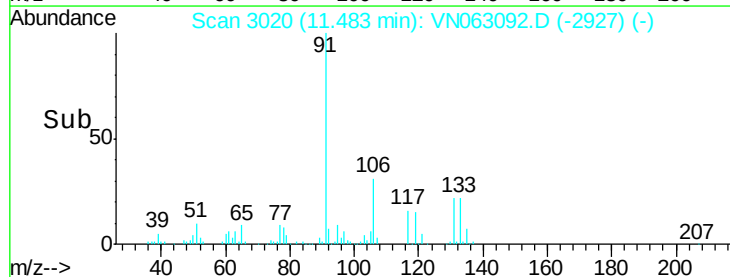
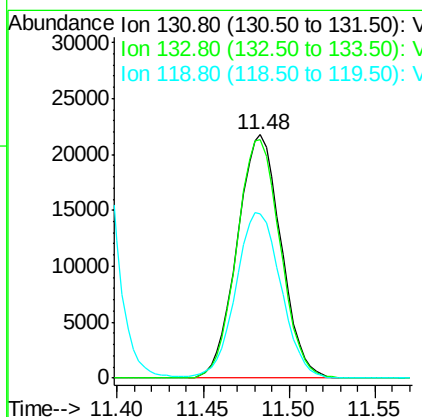
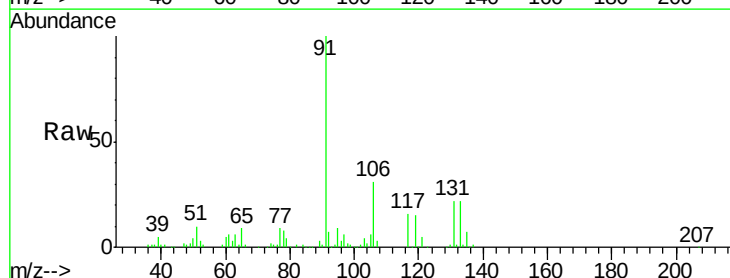
Manual Integrations
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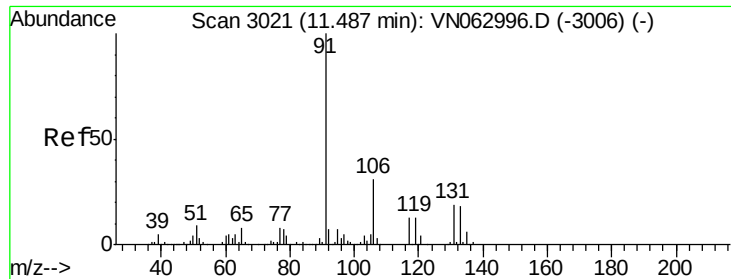
MMDadoda
8/25/2020 12:14:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.570 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion:131 Resp: 38497
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 70.0 33.1 99.3





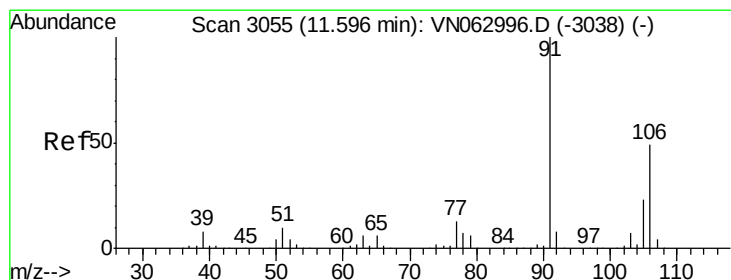
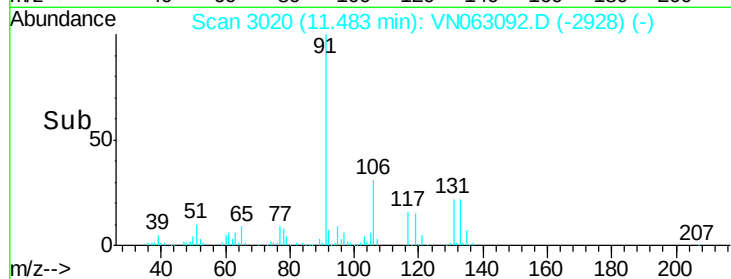
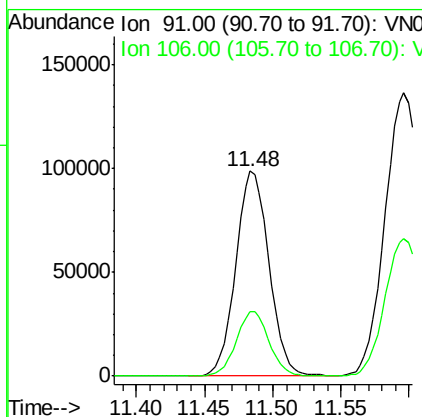
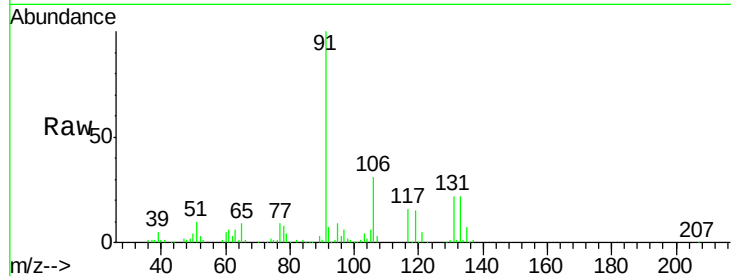
#67
Ethyl Benzene
Concen: 19.581 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.6	37.0

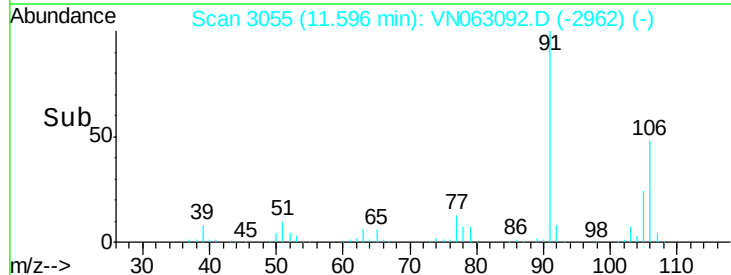
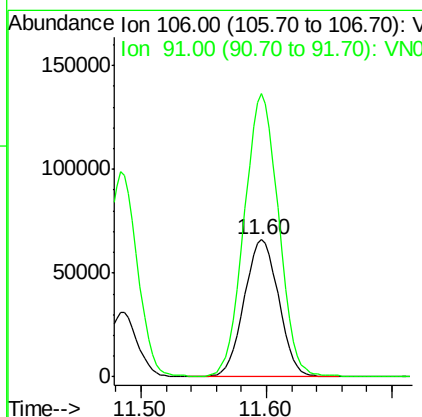
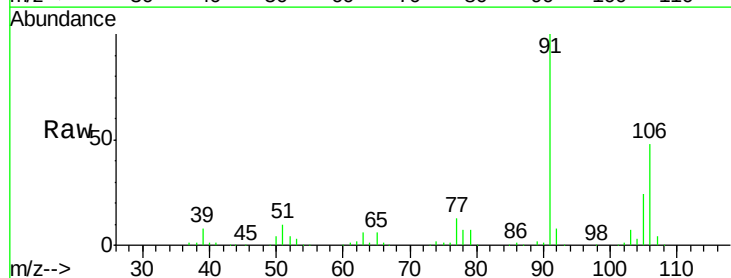
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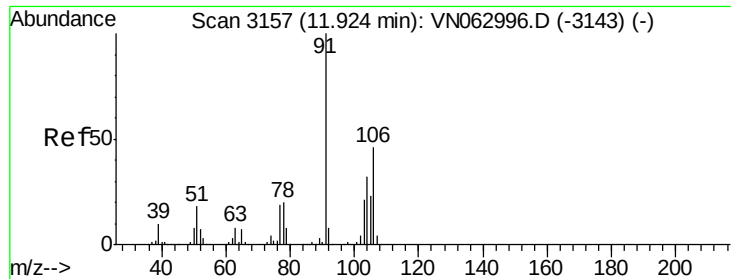
MMDadoda
8/25/2020 12:14:32 PM



#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.7	163.0	244.4





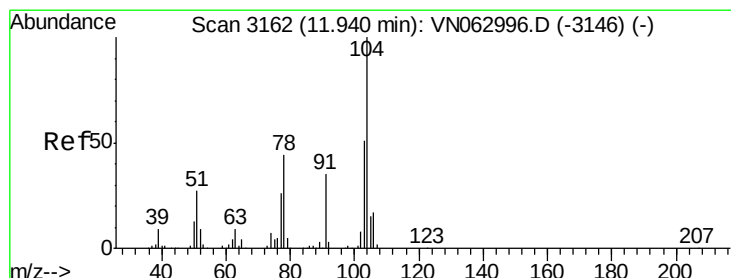
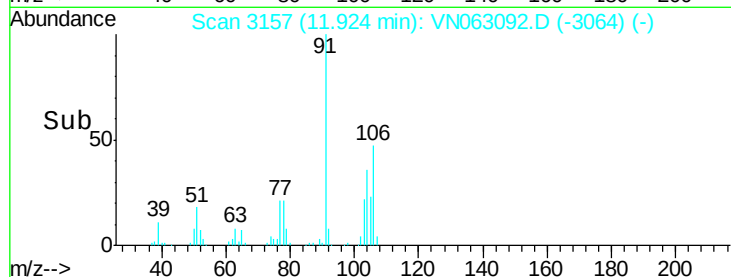
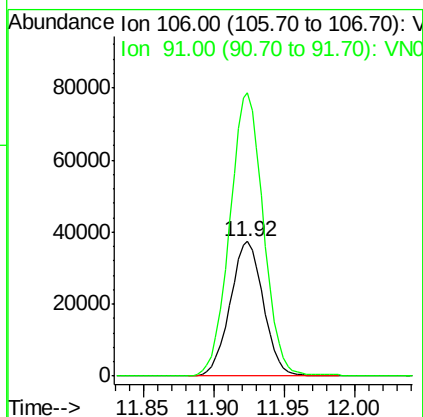
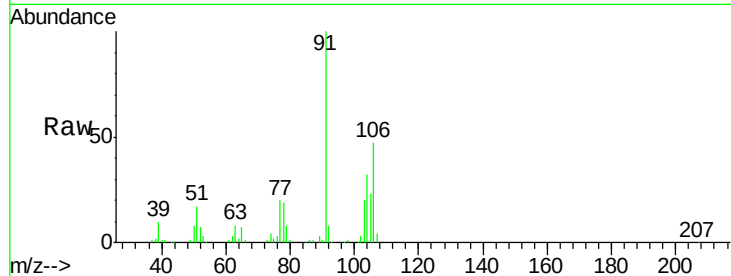
#69
o-Xylene
Concen: 20.233 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion:106 Resp: 61709
Ion Ratio Lower Upper
106 100
91 212.5 107.3 321.9

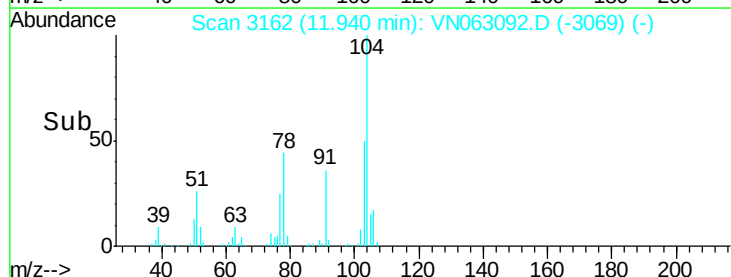
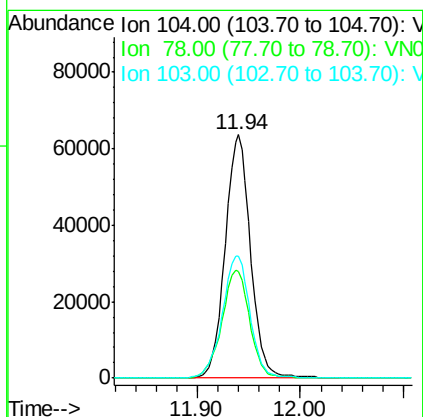
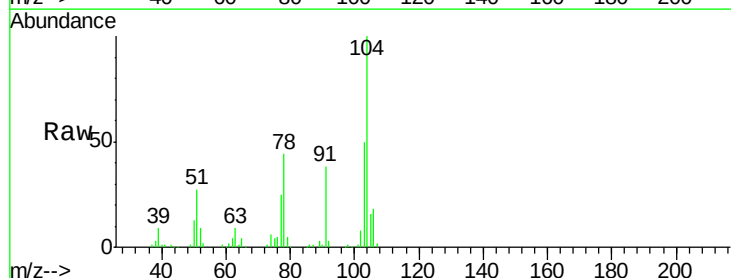
Manual Integrations
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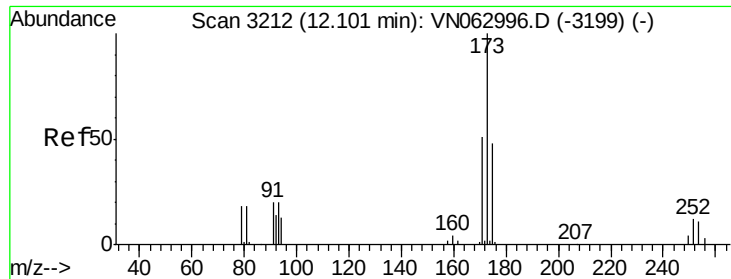
MMDadoda
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#70
Styrene
Concen: 19.291 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion:104 Resp: 109324
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.6
103 54.6 44.3 66.5





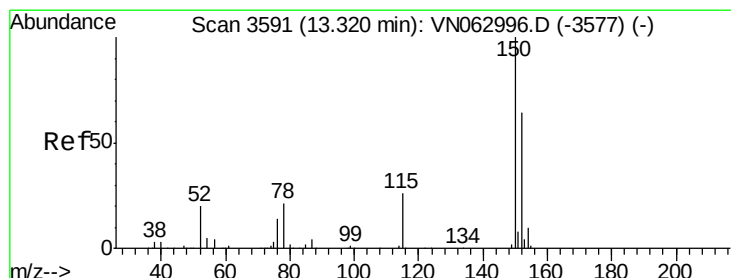
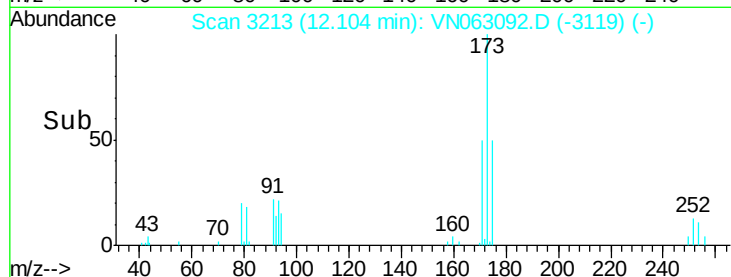
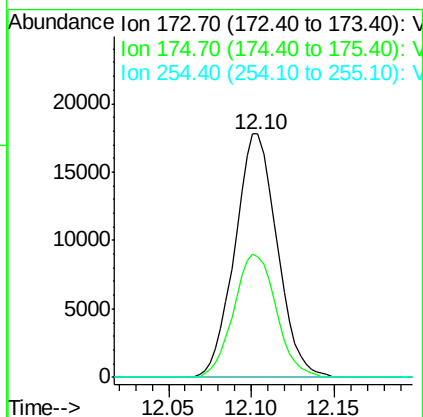
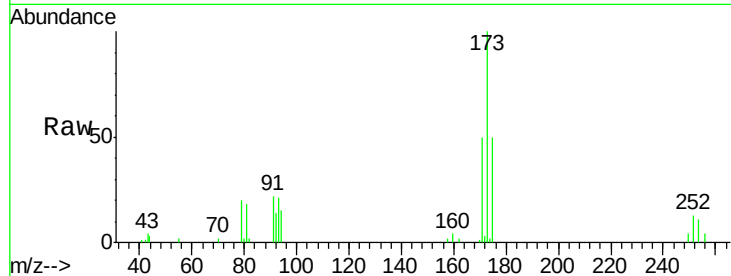
#71
Bromoform
Concen: 20.182 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.3	72.8
254	0.0	0.0	0.0

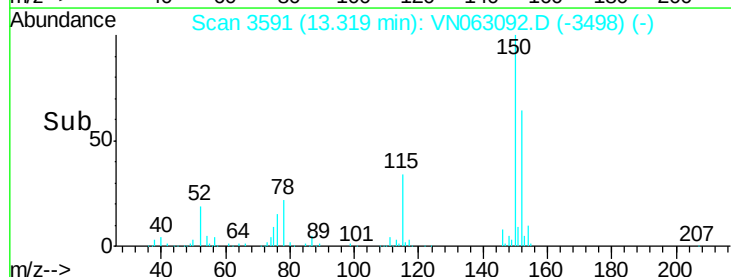
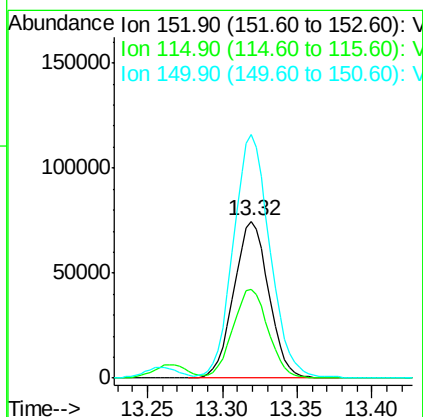
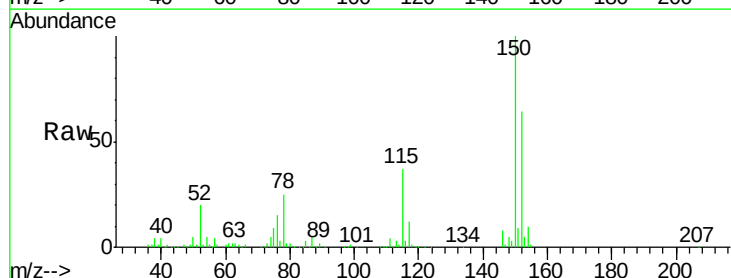
Manual Integrations
APPROVED

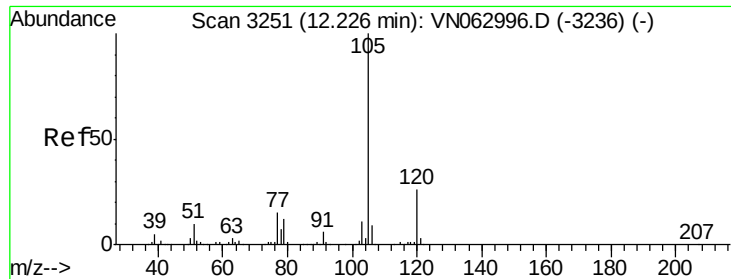
MMDadoda
8/25/2020 12:14:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.7	86.3
150	161.9	0.0	348.8





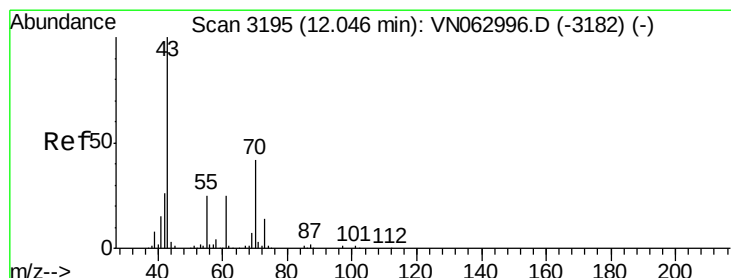
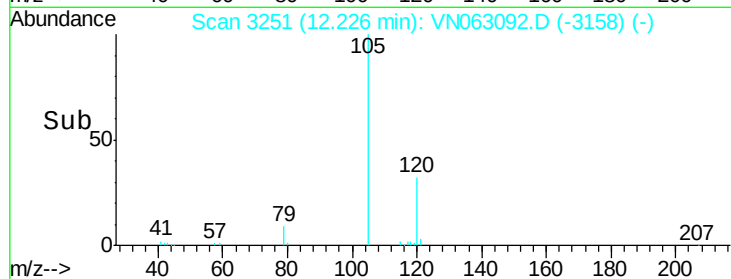
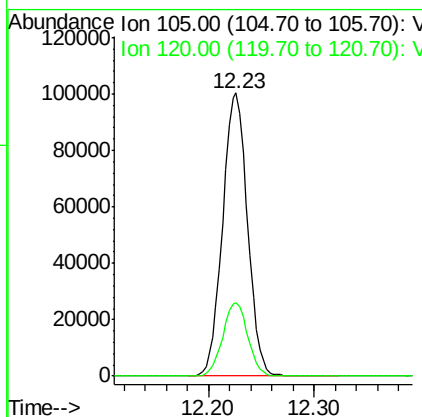
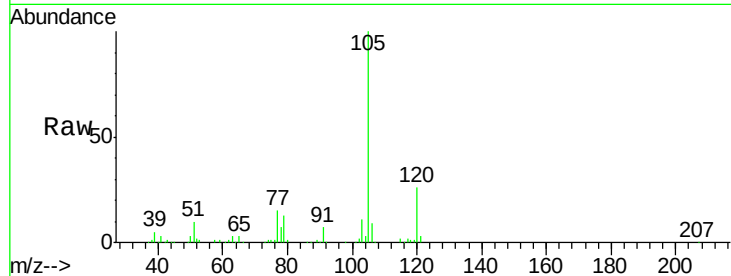
#73
Isopropylbenzene
Concen: 19.582 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

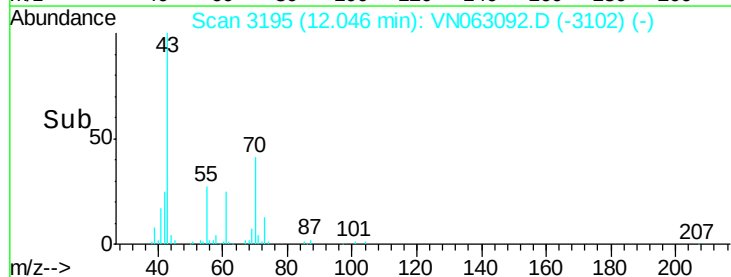
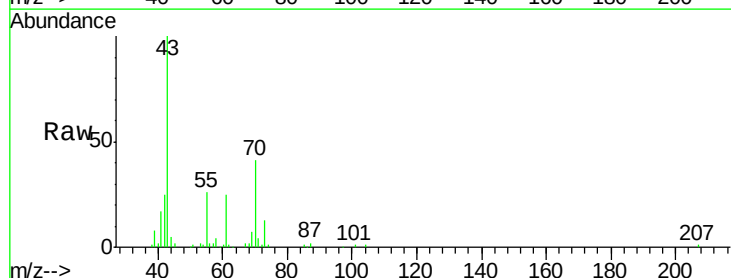
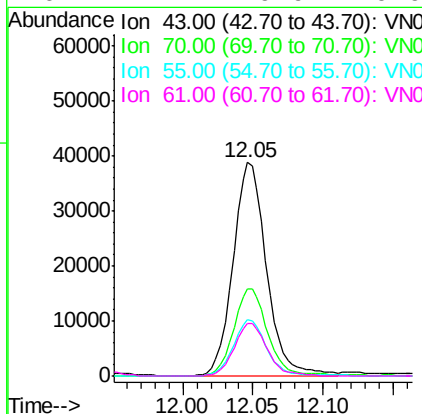
Manual Integrations
APPROVED

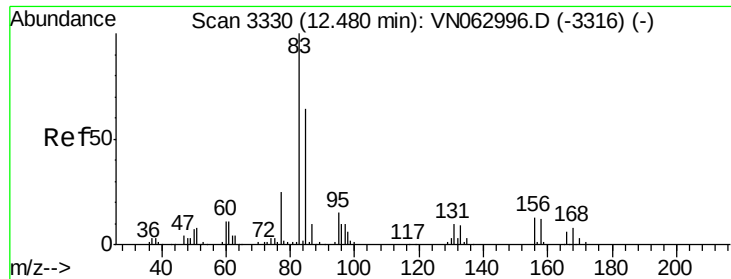
MMDadoda
8/25/2020 12:14:32 PM



#74
N-ethyl acetate
Concen: 21.592 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063092.D
Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.4	50.0
55	26.0	20.2	30.2
61	24.2	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.754 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

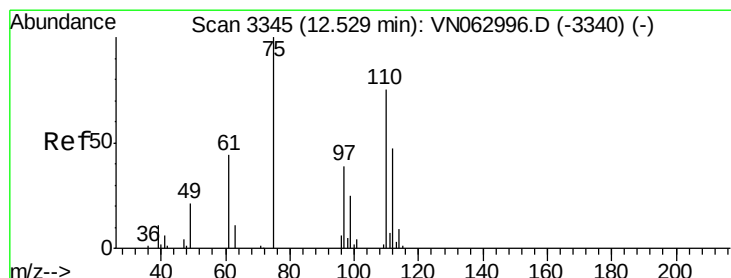
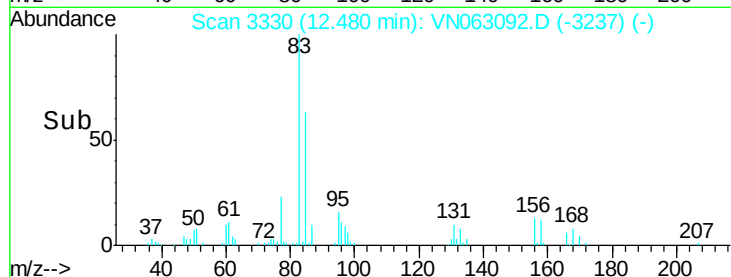
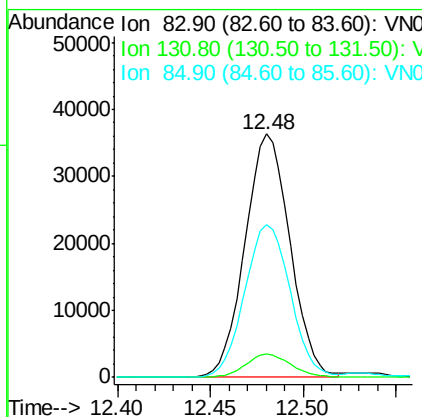
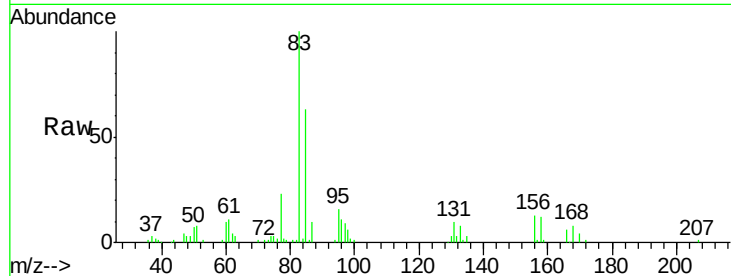
ClientSampleId :

VN0824WBS01

Tot Ion:	83	Resp:	61220
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.037 ug/l m

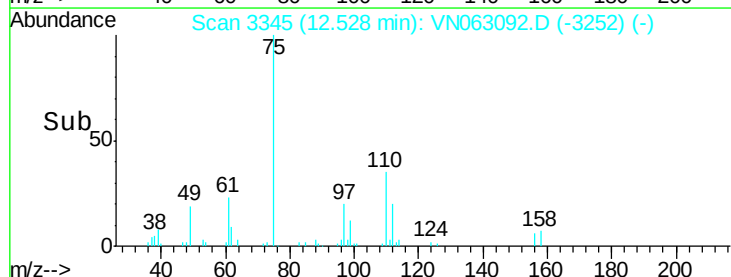
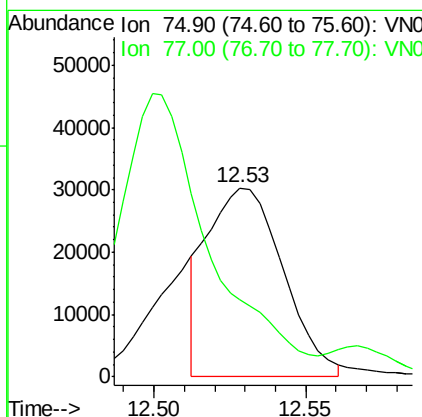
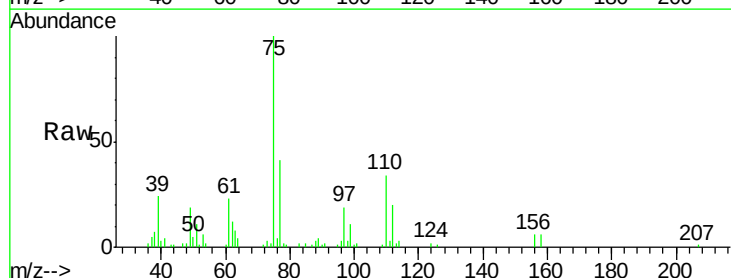
RT: 12.53 min Scan# 3345

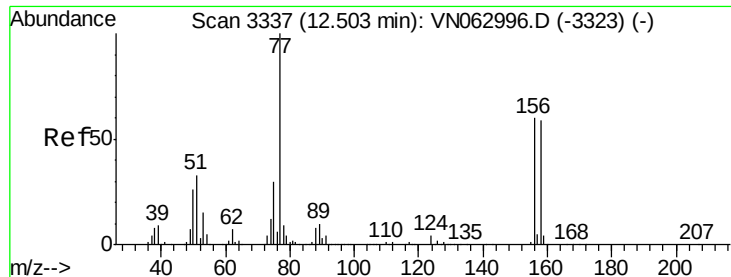
Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	75	Resp:	52266
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.952 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

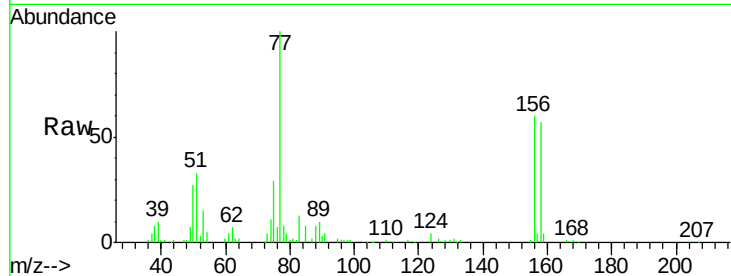
ClientSampleId :

VN0824WBS01

Tot Ion:	156	Resp:	45852
Ion	Ratio	Lower	Upper
156	100		
77	207.6	101.0	302.9
158	97.9	49.4	148.0

Manual Integrations
APPROVED

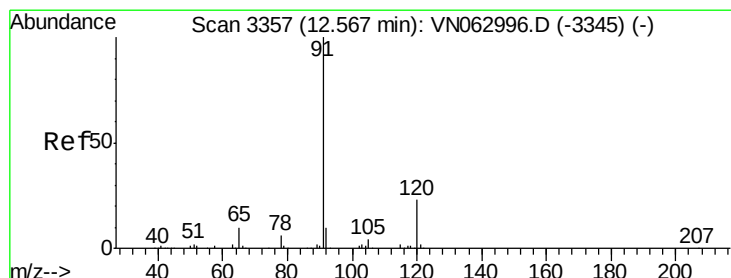
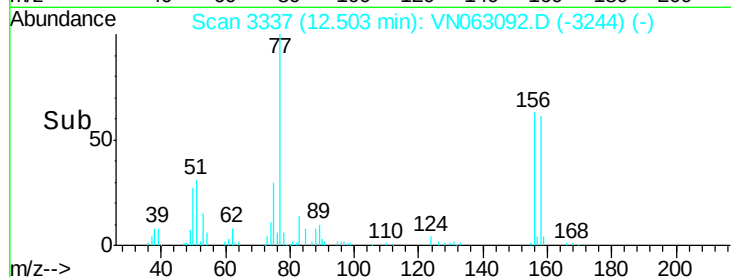
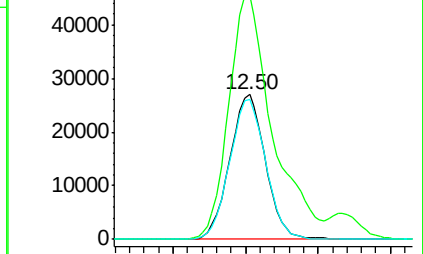
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.758 ug/l

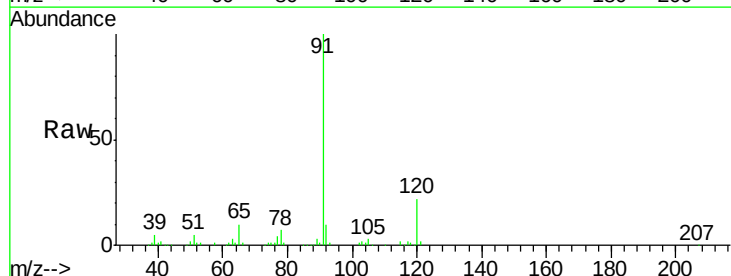
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063092.D

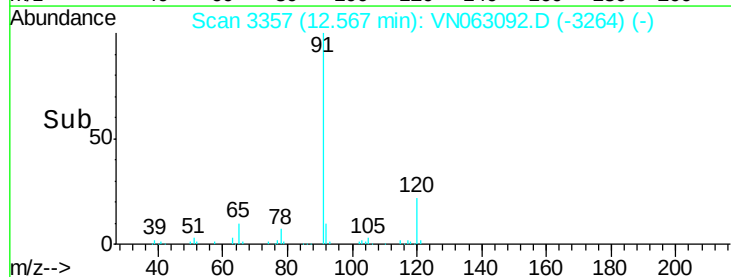
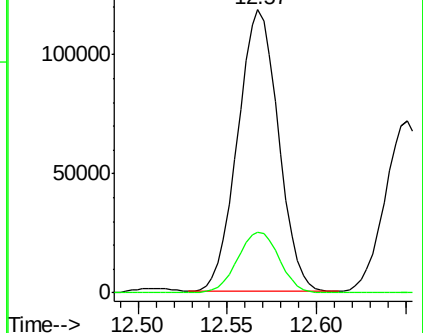
Acq: 24 Aug 2020 13:51

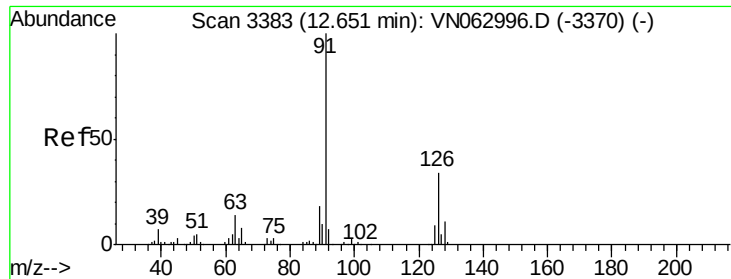
Tgt Ion:	91	Resp:	188178
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.773 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 91 Resp: 118452

Ion Ratio Lower Upper

91 100

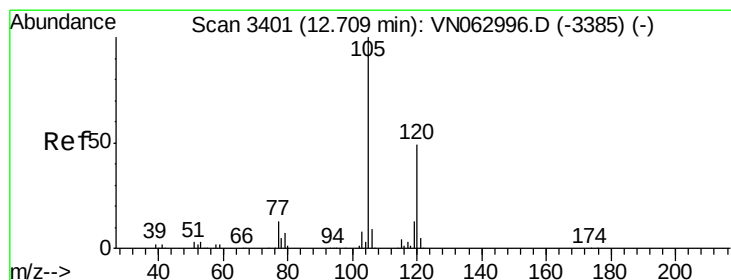
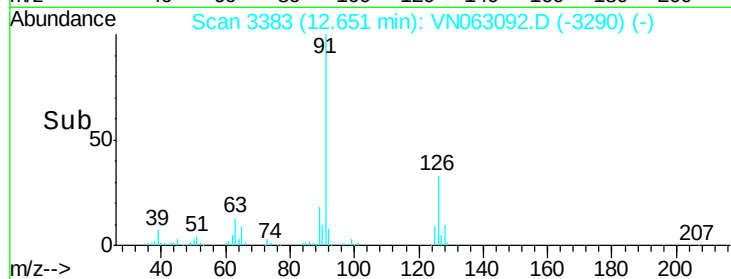
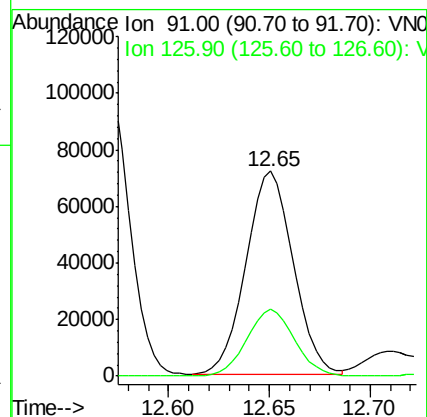
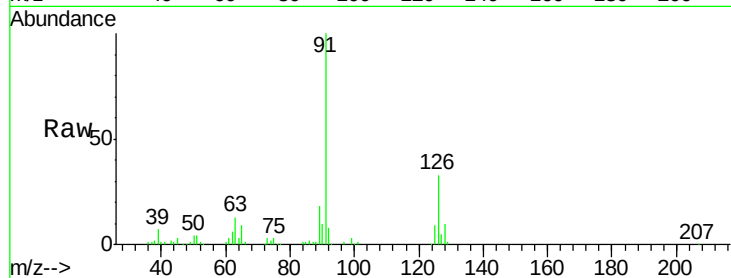
126 33.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.910 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063092.D

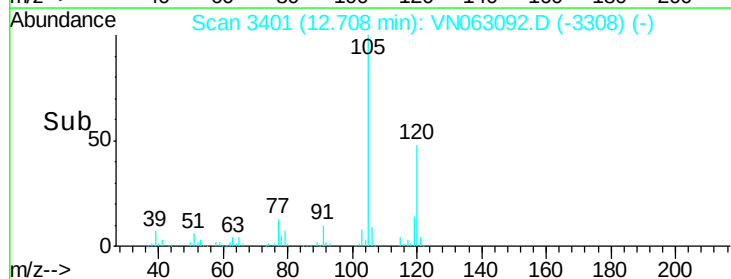
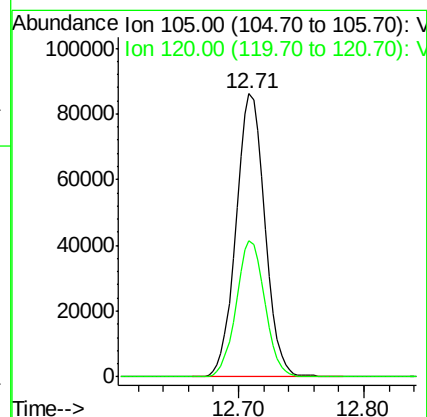
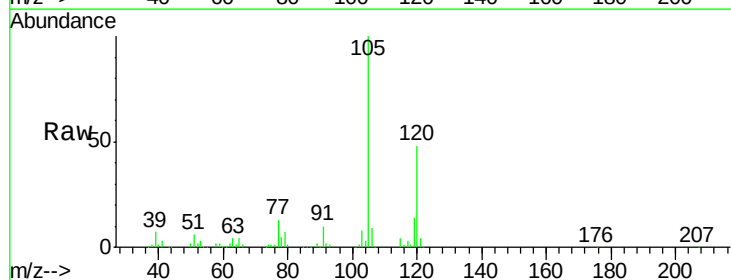
Acq: 24 Aug 2020 13:51

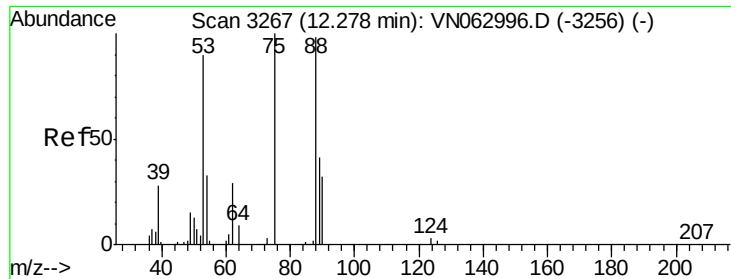
Tgt Ion: 105 Resp: 137524

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.172 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

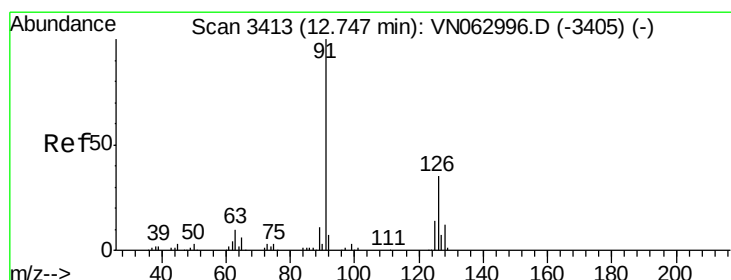
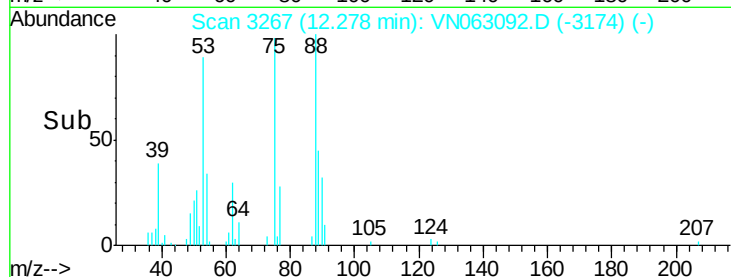
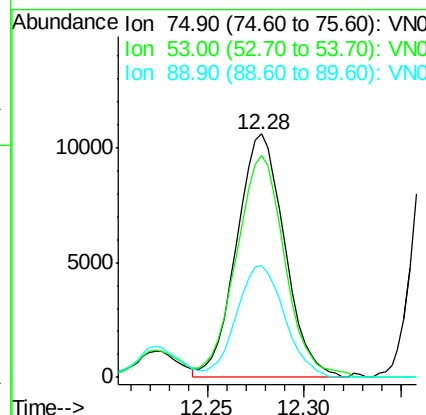
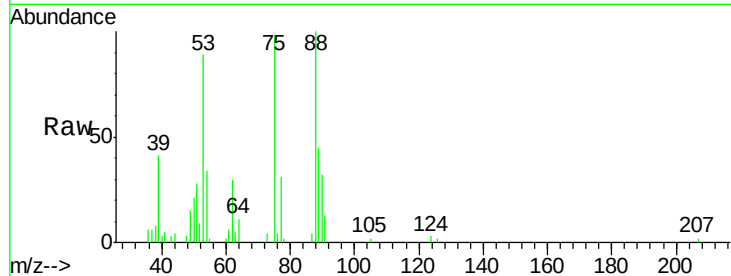
ClientSampleId :

VN0824WBS01

Tot Ion:	75	Resp:	18283
Ion Ratio	Lower	Upper	
75	100		
53	92.4	69.2	103.8
89	46.3	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.640 ug/l

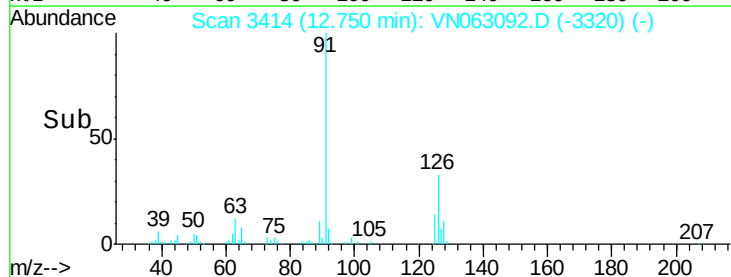
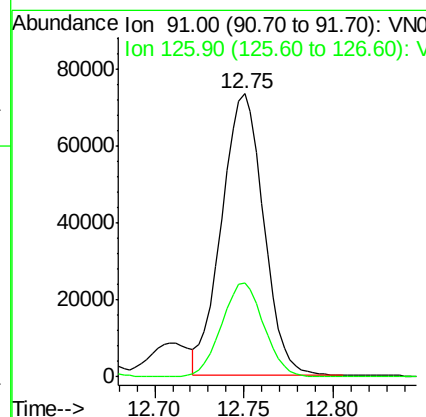
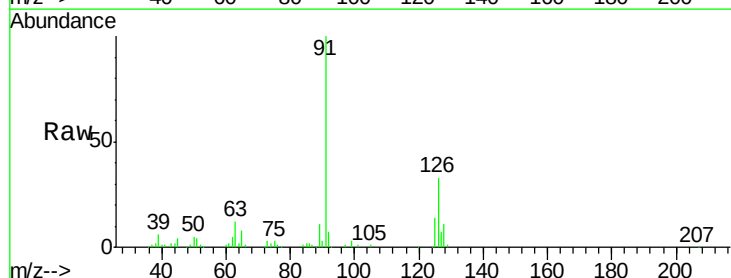
RT: 12.75 min Scan# 3414

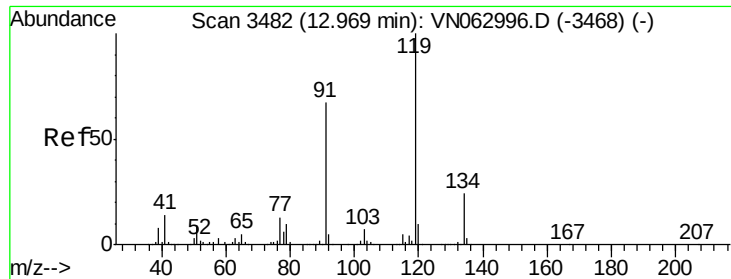
Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	91	Resp:	119802
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.5	49.5





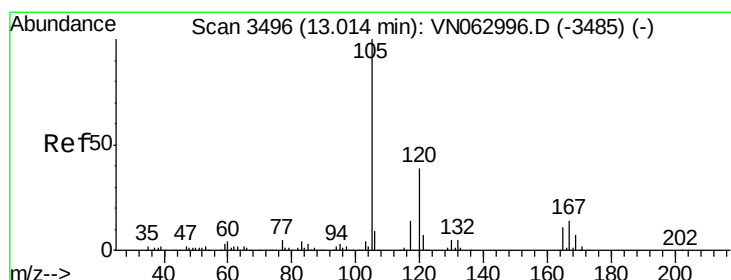
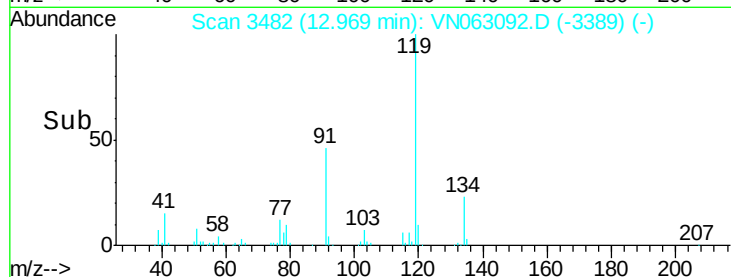
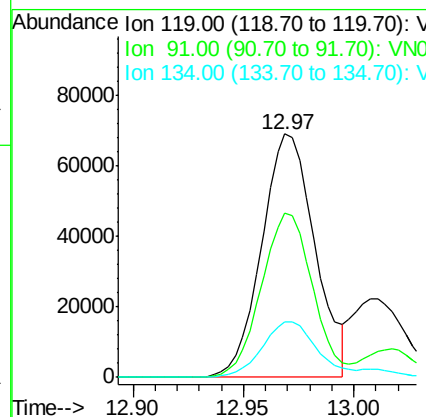
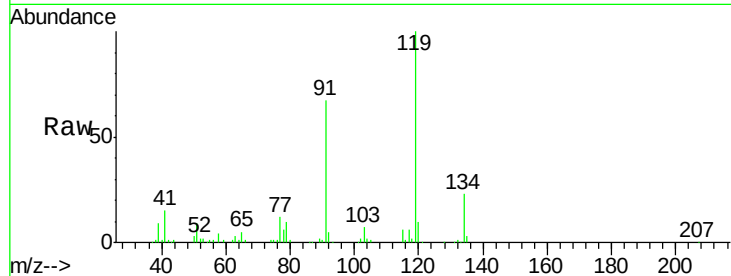
#83
 tert-Butylbenzene
 Concen: 19.376 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	115515		
91	65.2	32.5	97.4	
134	23.5	13.1	39.3	

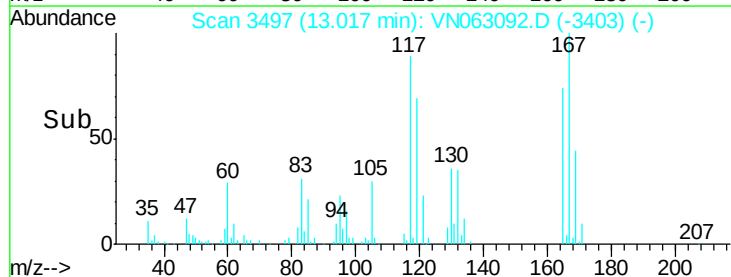
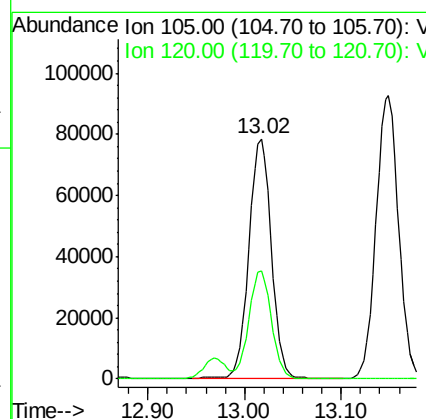
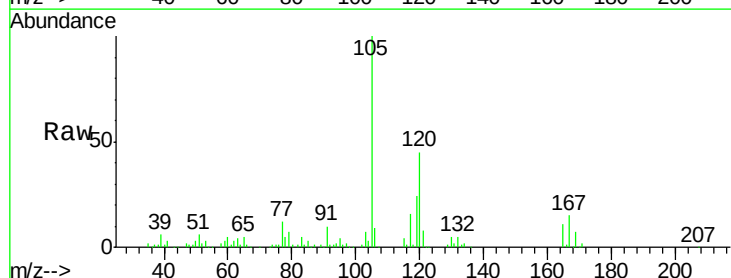
Manual Integrations
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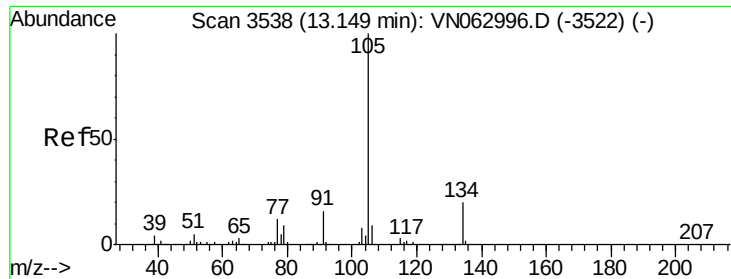
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.922 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	127330		
120	45.0	22.5	67.5	





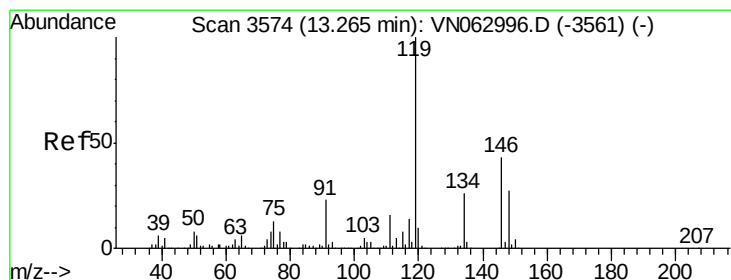
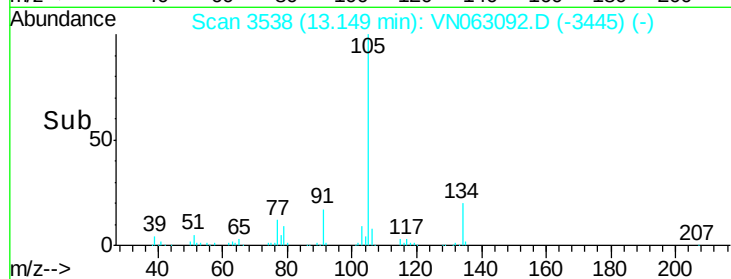
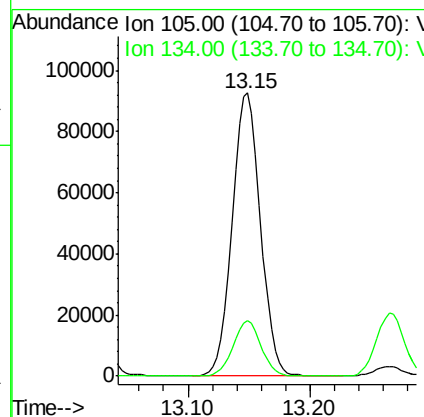
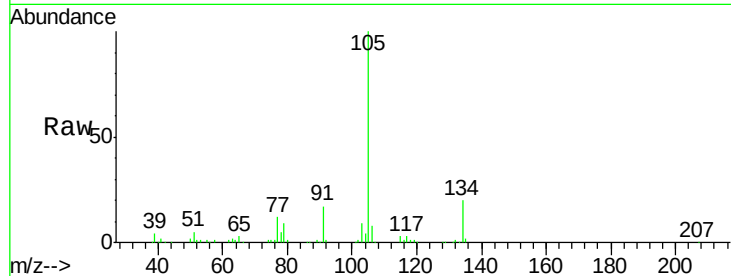
#85
 sec-Butylbenzene
 Concen: 18.598 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	149843		
134	19.3	9.8	29.4	

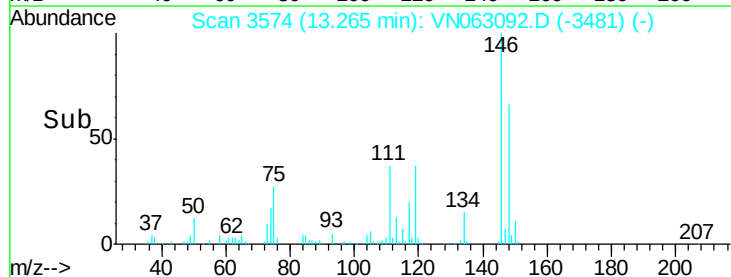
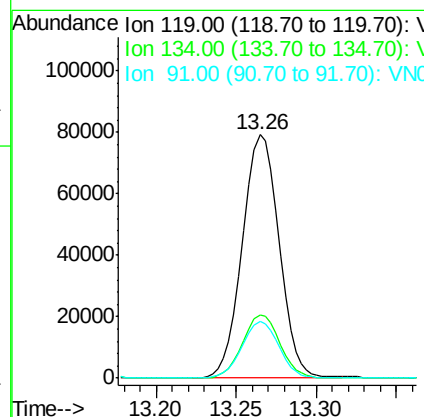
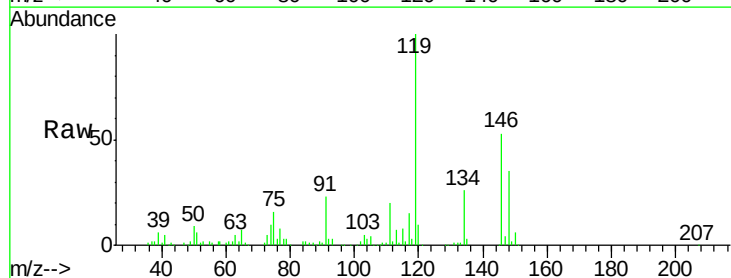
Manual Integrations
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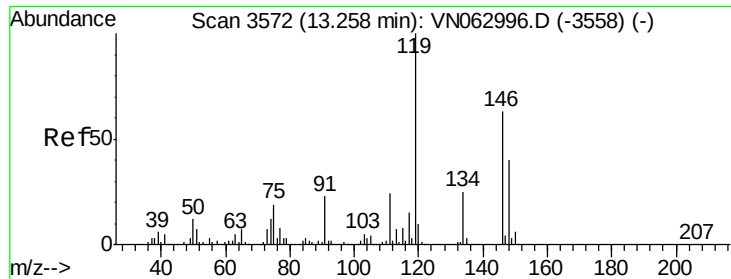
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 8/25/2020 12:14:32 PM



#86
 p-Isopropyltoluene
 Concen: 17.707 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	124308		
134	26.3	13.1	39.3	
91	23.6	11.5	34.4	





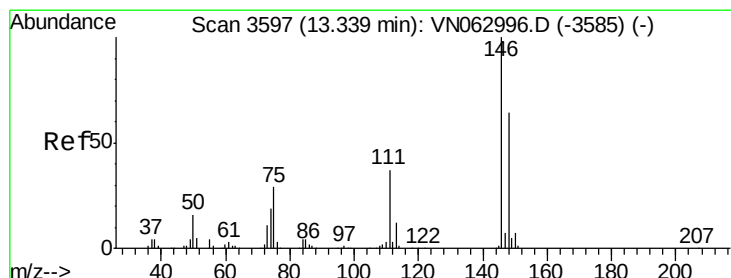
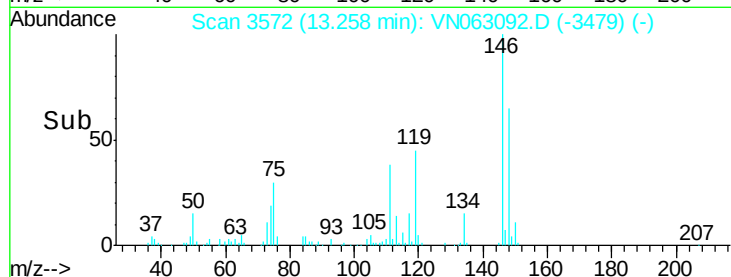
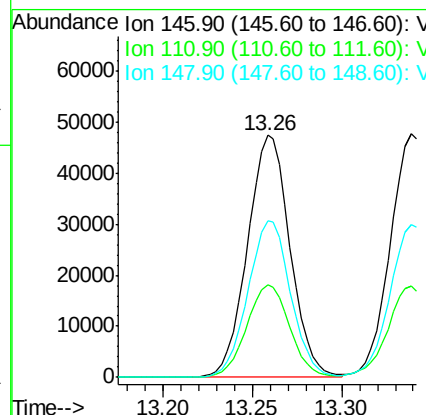
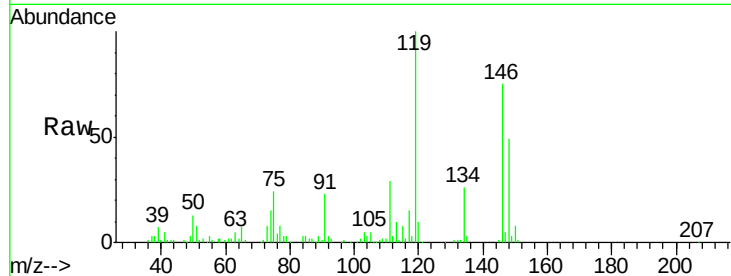
#87
 1,3-Dichlorobenzene
 Concen: 19.973 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	65.0	32.0	96.0

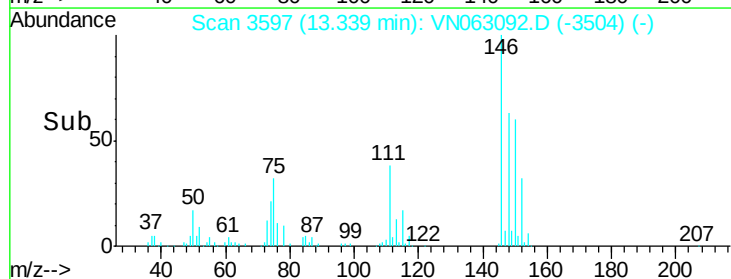
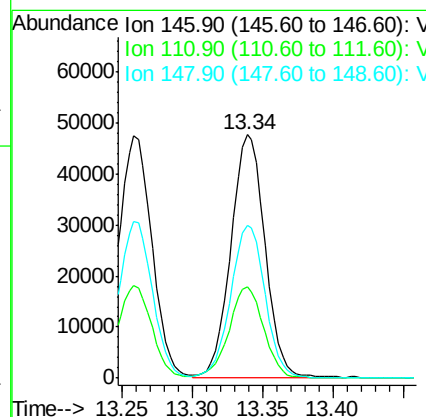
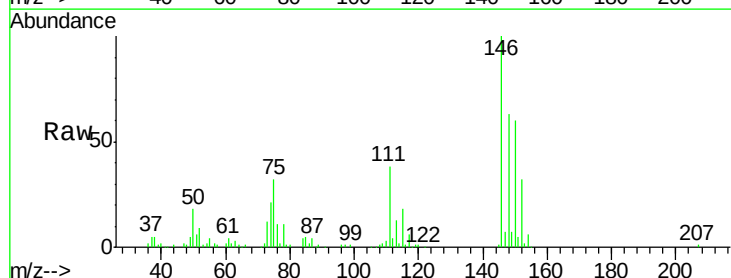
Manual Integrations
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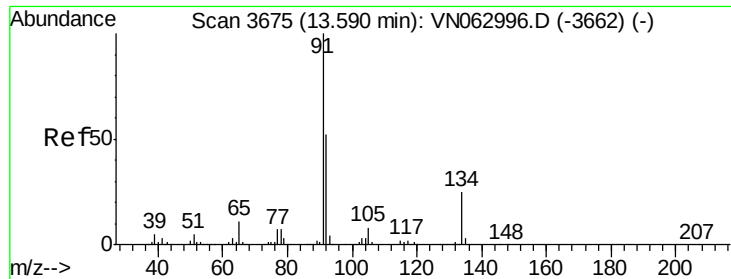
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#88
 1,4-Dichlorobenzene
 Concen: 20.024 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	64.0	32.4	97.0





#89

n-Butylbenzene

Concen: 16.639 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

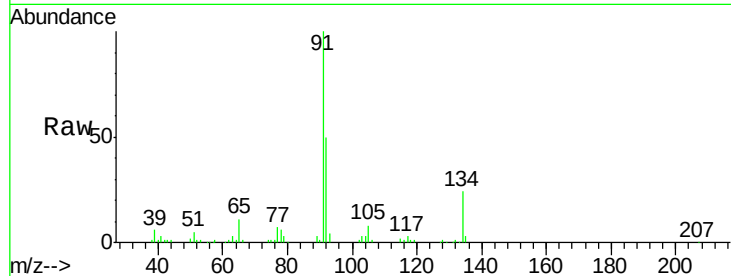
ClientSampleId :

VN0824WBS01

Tot Ion:	91	Resp:	97693
Ion Ratio	Lower	Upper	
91	100		
92	49.4	25.9	77.6
134	24.4	12.4	37.0

Manual Integrations
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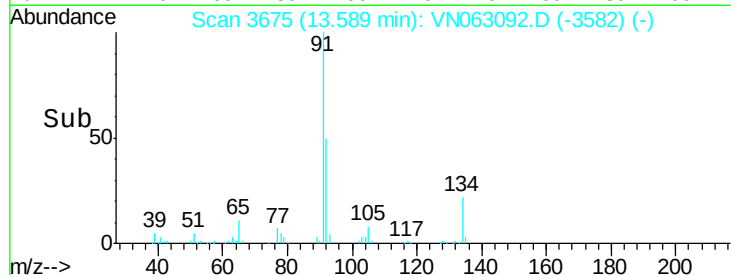
Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

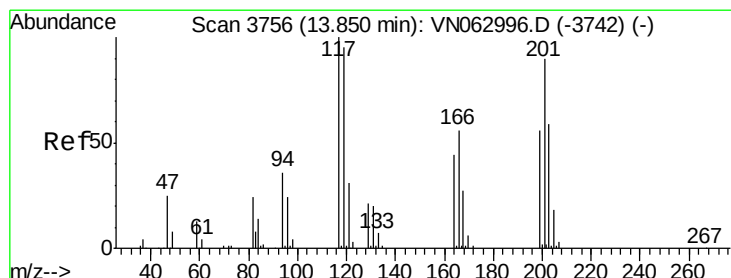
Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time-->

13.59



Time-->



#90

Hexachloroethane

Concen: 18.045 ug/l

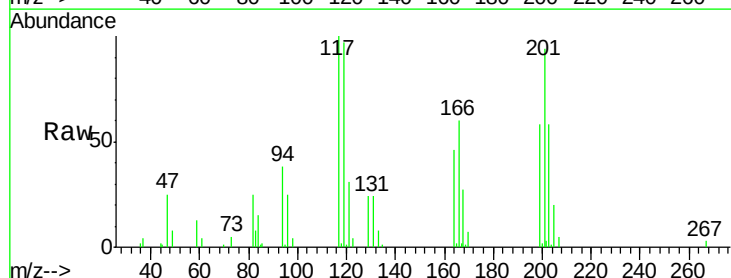
RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	117	Resp:	26927
Ion Ratio	Lower	Upper	
117	100		
201	92.9	44.1	132.4

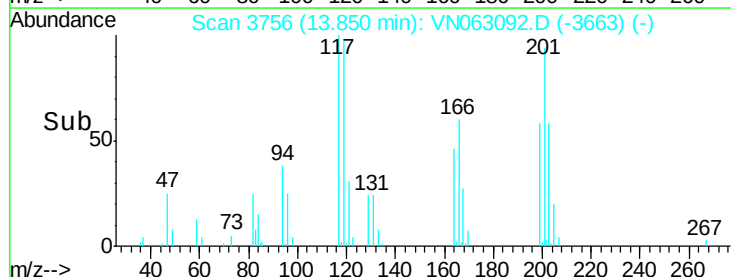


Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

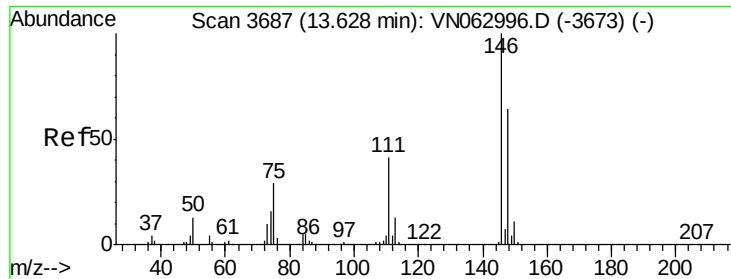
Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)

Time-->

13.85



Time-->



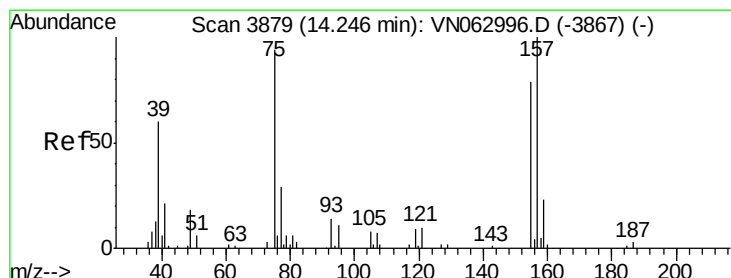
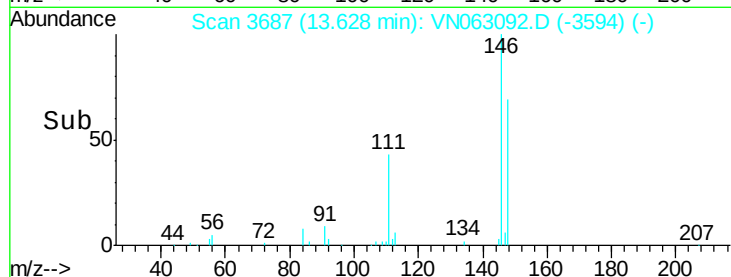
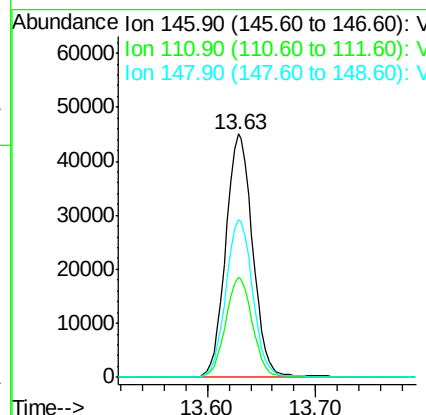
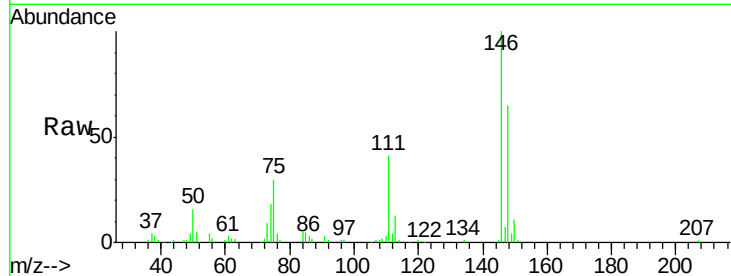
#91
 1,2-Dichlorobenzene
 Concen: 20.579 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	64.3	31.9	95.5

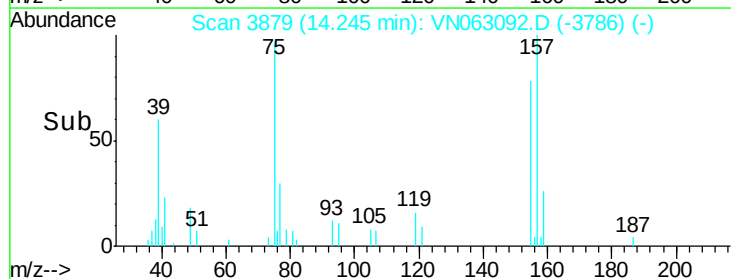
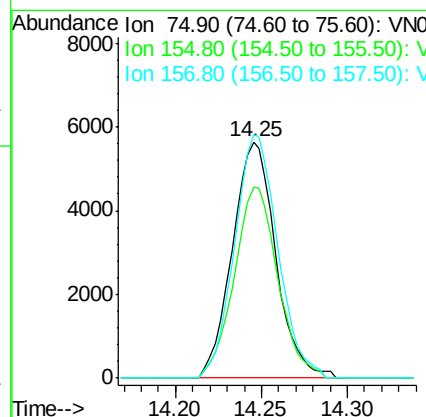
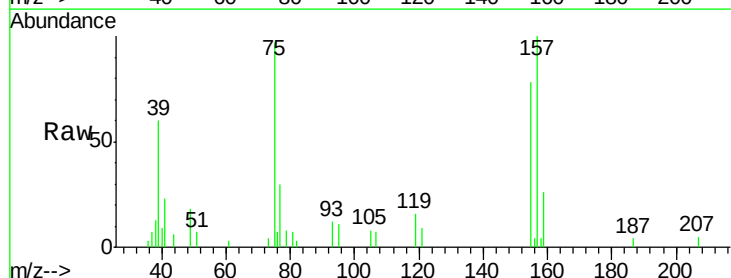
Manual Integrations
 APPROVED

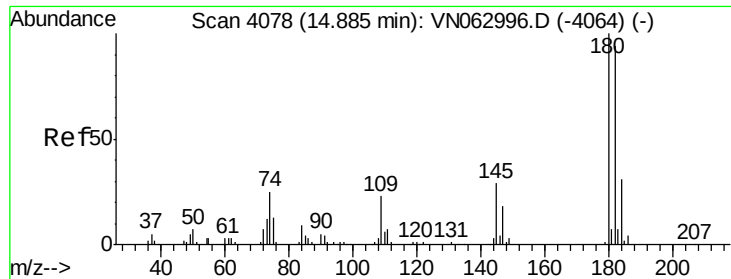
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 8/25/2020 12:14:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.573 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	42.4	127.1
157	102.8	55.2	165.6





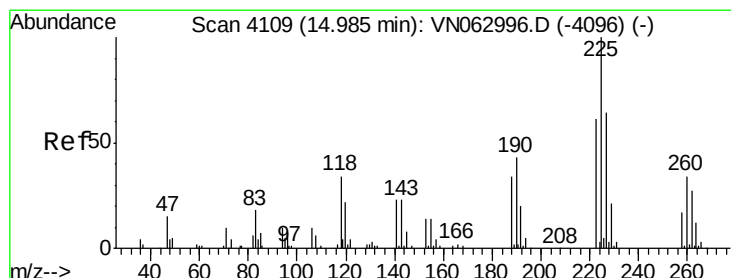
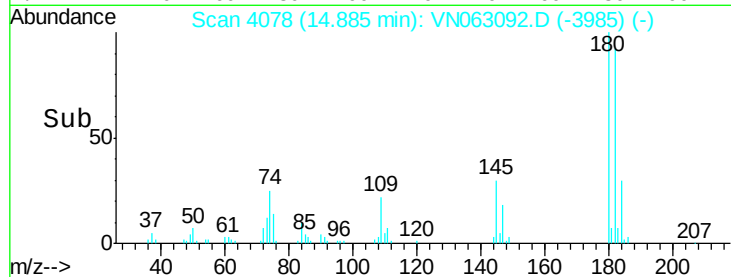
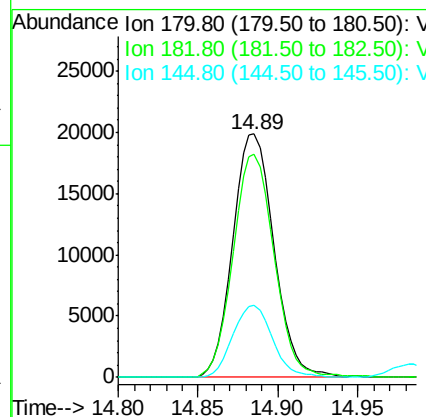
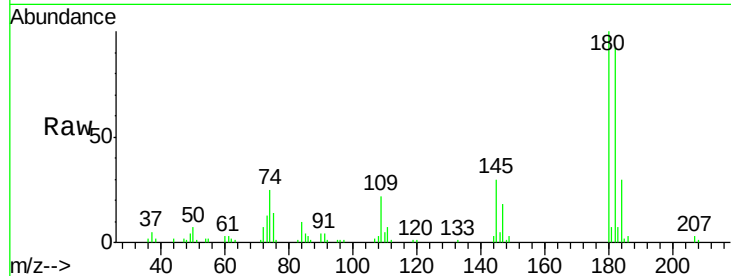
#93
 1,2,4-Trichlorobenzene
 Concen: 19.530 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34857		
182	91.9	47.0	141.2	
145	28.5	14.1	42.4	

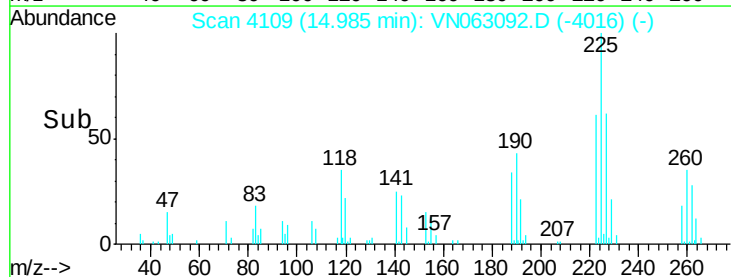
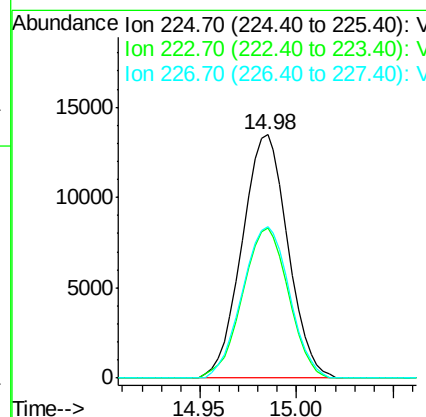
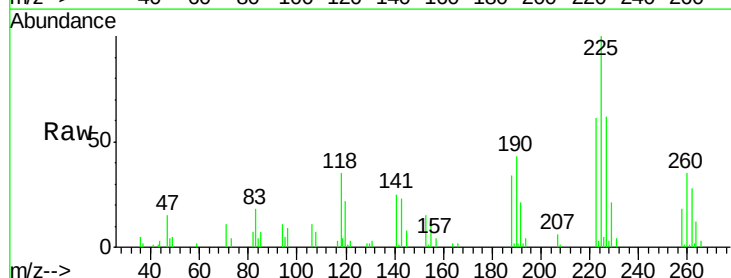
Manual Integrations
 APPROVED

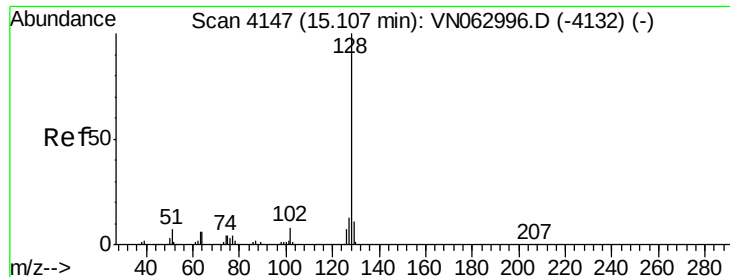
MMDadoda
 8/25/2020 12:14:32 PM



#94
 Hexachlorobutadiene
 Concen: 15.752 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063092.D
 Acq: 24 Aug 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22206		
223	61.6	30.9	92.5	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 19.181 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Instrument :

MSVOA_N

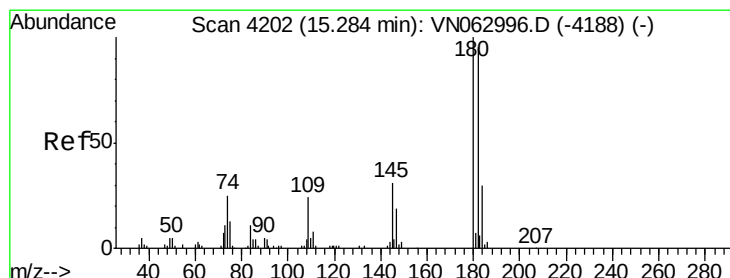
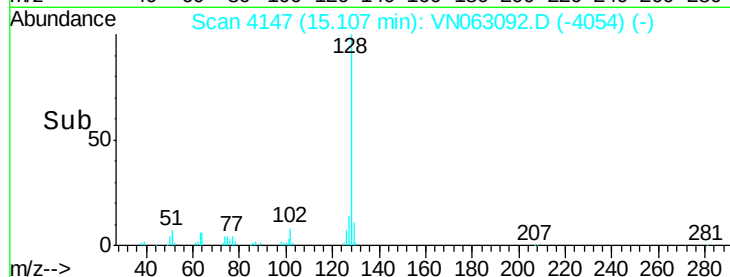
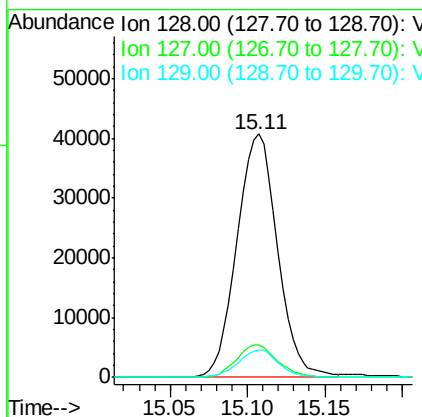
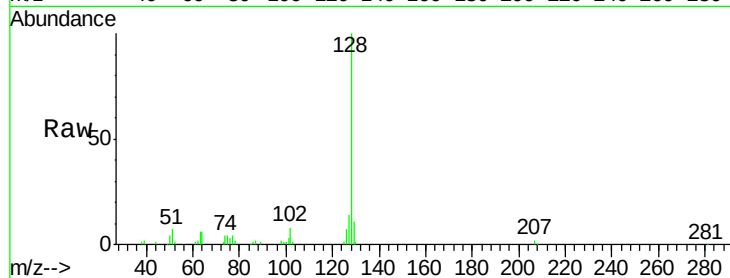
ClientSampleId :

VN0824WBS01

Tot Ion:	128	Resp:	74296
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/25/2020 12:14:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.367 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN063092.D

Acq: 24 Aug 2020 13:51

Tgt Ion:	180	Resp:	32427
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	30.3	15.6	46.7

