

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062944.D
 Acq On : 14 Aug 2020 19:43
 Operator : JC/MD
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:44 AM

Quant Time: Aug 17 09:51:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	235061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	380661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	361709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163698	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	175943	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
35) Dibromofluoromethane	7.55	113	130161	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
50) Toluene-d8	10.06	98	491191	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.38	95	176077	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	58752	17.455	ug/l	99
3) Chloromethane	2.03	50	72670	22.878	ug/l	100
4) Vinyl Chloride	2.16	62	65730	22.063	ug/l	99
5) Bromomethane	2.51	94	34742	17.616	ug/l	92
6) Chloroethane	2.66	64	38916	19.856	ug/l	97
7) Trichlorofluoromethane	2.97	101	86794	16.338	ug/l	98
8) Diethyl Ether	3.37	74	29097	19.133	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.71	101	42543	19.317	ug/l	96
10) Methyl Iodide	3.91	142	44783	17.393	ug/l	92
11) Tert butyl alcohol	4.74	59	54817	86.042	ug/l	100
12) 1,1-Dichloroethene	3.69	96	37830	18.153	ug/l	96
13) Acrolein	3.57	56	33688	87.333	ug/l	95
14) Allyl chloride	4.27	41	79981	19.434	ug/l	91
15) Acrylonitrile	4.93	53	151800	102.728	ug/l	99
16) Acetone	3.78	43	126720	90.219	ug/l	98
17) Carbon Disulfide	4.00	76	104507	17.790	ug/l	99
18) Methyl Acetate	4.28	43	74330	21.736	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	157912	17.339	ug/l	97
20) Methylene Chloride	4.50	84	52946	20.144	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	42647	18.130	ug/l	98
22) Diisopropyl ether	5.90	45	193106	22.042	ug/l	94
23) Vinyl Acetate	5.85	43	630298	94.587	ug/l	99
24) 1,1-Dichloroethane	5.80	63	98791	19.242	ug/l	100
25) 2-Butanone	6.79	43	201564	101.323	ug/l	96
26) 2,2-Dichloropropane	6.78	77	75432	15.939	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	52417	18.576	ug/l	96
28) Bromochloromethane	7.15	49	54118	21.841	ug/l	91
29) Tetrahydrofuran	7.17	42	138978	107.535	ug/l	93
30) Chloroform	7.33	83	99077	18.159	ug/l	99
31) Cyclohexane	7.61	56	88900	18.863	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	80817	16.567	ug/l	97
36) 1,1-Dichloropropene	7.75	75	63397	17.104	ug/l	97
37) Ethyl Acetate	6.89	43	76191	19.678	ug/l #	83
38) Carbon Tetrachloride	7.73	117	67863	15.481	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74054	16.602	ug/l	92
40) Benzene	8.00	78	205357	18.567	ug/l	99
41) Methacrylonitrile	7.14	41	38212m	21.871	ug/l	
42) 1,2-Dichloroethane	8.08	62	77503	16.464	ug/l	99
43) Isopropyl Acetate	8.13	43	121884	18.873	ug/l	99
44) Trichloroethene	8.80	130	47313	17.558	ug/l	96
45) 1,2-Dichloropropane	9.08	63	61368	20.500	ug/l	96
46) Dibromomethane	9.17	93	37130	18.930	ug/l	98
47) Bromodichloromethane	9.37	83	79307	18.003	ug/l	97
48) Methyl methacrylate	9.17	41	58108	18.293	ug/l	97
49) 1,4-Dioxane	9.17	88	21918	372.382	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	427853	102.394	ug/l	98
52) Toluene	10.13	92	123714	18.116	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	80923	16.700	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	87935	18.075	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	56249	19.286	ug/l	98
56) Ethyl methacrylate	10.40	69	79097	18.017	ug/l	93
57) 1,3-Dichloropropane	10.68	76	94658	19.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	90123	72.627	ug/l	95
59) 2-Hexanone	10.72	43	311107	99.813	ug/l	95
60) Dibromochloromethane	10.87	129	57907	17.398	ug/l	99
61) 1,2-Dibromoethane	10.98	107	54368	18.891	ug/l	100
64) Tetrachloroethene	10.60	164	41307	17.700	ug/l	93
65) Chlorobenzene	11.41	112	135085	17.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	53211	17.525	ug/l	97
67) Ethyl Benzene	11.49	91	232484	17.182	ug/l	97
68) m/p-Xylenes	11.60	106	174815	35.592	ug/l	94
69) o-Xylene	11.92	106	80901	17.576	ug/l	97
70) Styrene	11.94	104	145124	17.937	ug/l	96
71) Bromoform	12.10	173	42301	17.027	ug/l	# 99
73) Isopropylbenzene	12.22	105	227705	18.473	ug/l	99
74) N-amyl acetate	12.05	43	101626	20.345	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	88456	20.385	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	77110m	17.466	ug/l	
77) Bromobenzene	12.50	156	58684	19.161	ug/l	96
78) n-propylbenzene	12.57	91	269015	18.592	ug/l	100
79) 2-Chlorotoluene	12.65	91	168442	18.564	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	196430	18.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26222	18.132	ug/l	98
82) 4-Chlorotoluene	12.75	91	170771	18.263	ug/l	98
83) tert-Butylbenzene	12.97	119	161781	17.879	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	186928	18.272	ug/l	97
85) sec-Butylbenzene	13.15	105	218247	18.367	ug/l	99
86) p-Isopropyltoluene	13.26	119	185348	17.573	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	100841	18.430	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	99132	18.064	ug/l	99
89) n-Butylbenzene	13.59	91	147945	16.585	ug/l	98
90) Hexachloroethane	13.85	117	40374	17.758	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	99344	19.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	16055	17.234	ug/l	96

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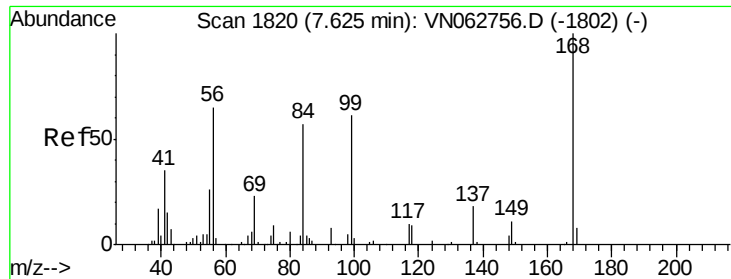
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	40443	17.027	ug/l	95
94) Hexachlorobutadiene	14.98	225	29035	16.961	ug/l	97
95) Naphthalene	15.11	128	98018	15.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	39851	16.613	ug/l	98

(#) = 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: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion:168 Resp: 235061

Ion Ratio Lower Upper

168 100

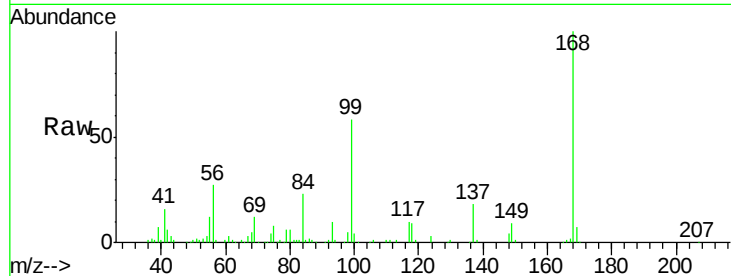
99 58.2 52.9 79.3

Manual Integrations

APPROVED

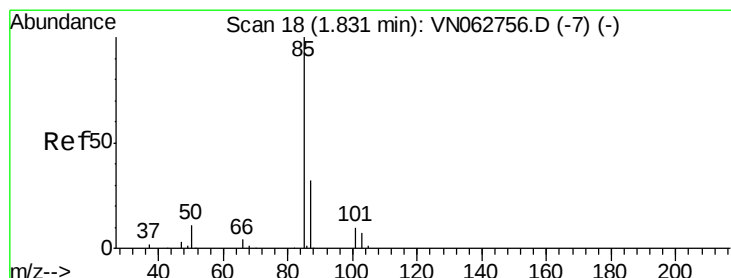
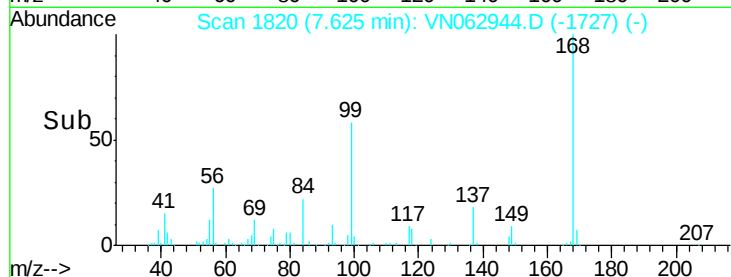
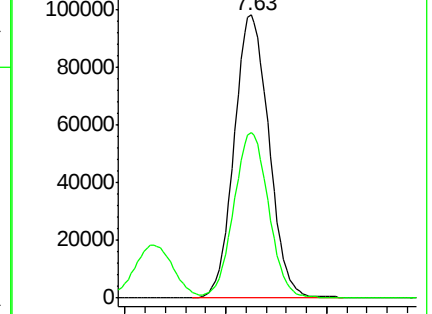
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.455 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062944.D

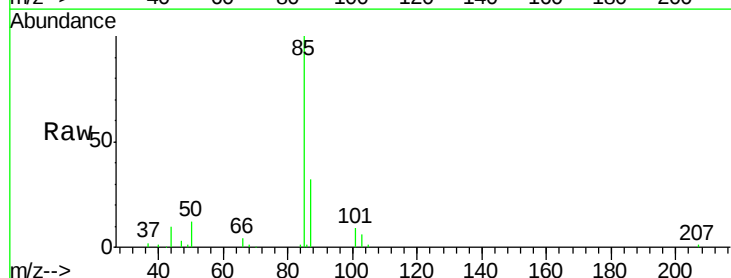
Acq: 14 Aug 2020 19:43

Tgt Ion: 85 Resp: 58752

Ion Ratio Lower Upper

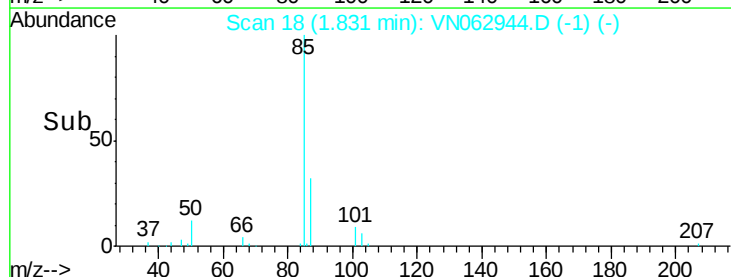
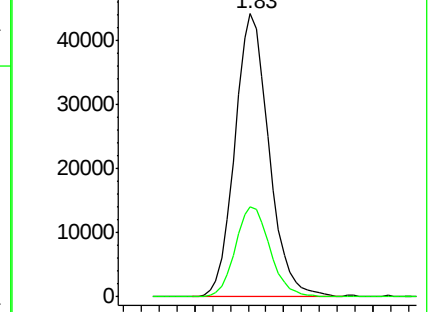
85 100

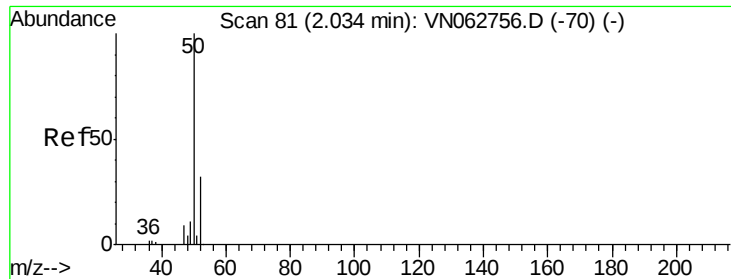
87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.878 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 50 Resp: 72670

Ion Ratio Lower Upper

50 100

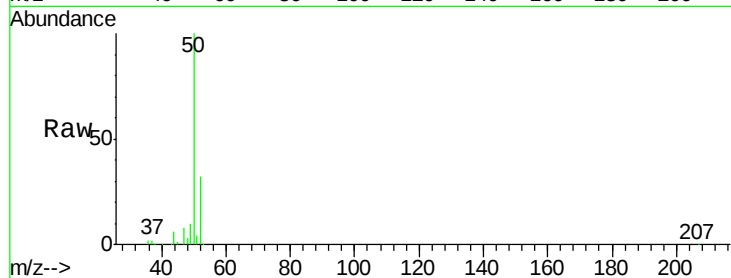
52 31.9 25.6 38.4

Manual Integrations

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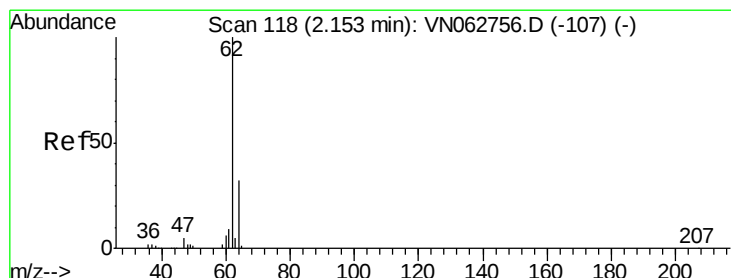
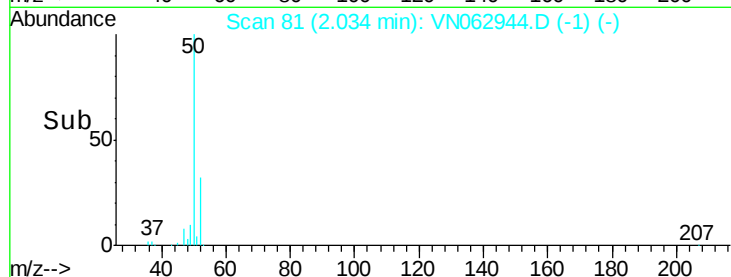
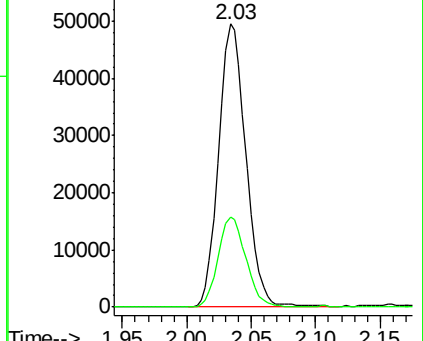
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 22.063 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062944.D

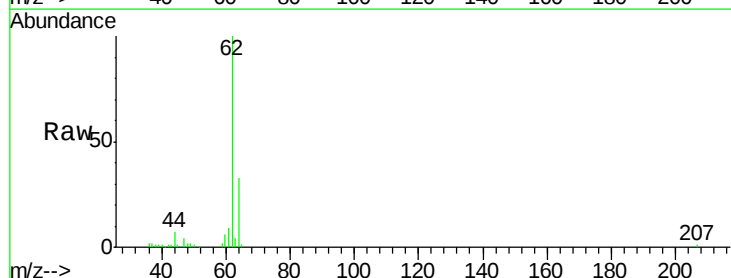
Acq: 14 Aug 2020 19:43

Tgt Ion: 62 Resp: 65730

Ion Ratio Lower Upper

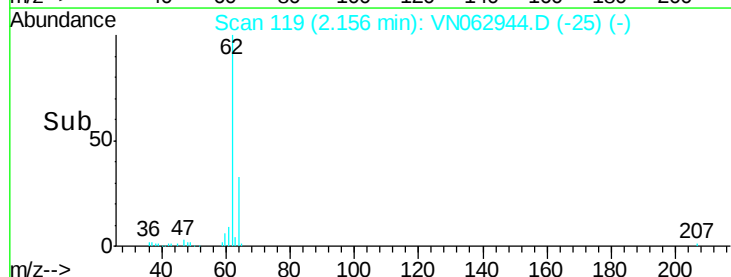
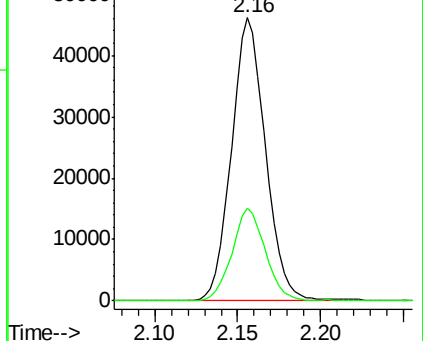
62 100

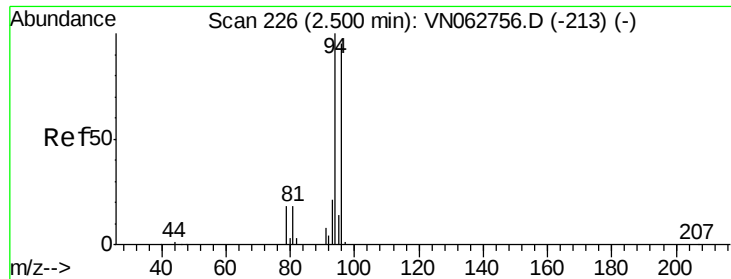
64 32.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.616 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.01 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 94 Resp: 34742

Ion Ratio Lower Upper

94 100

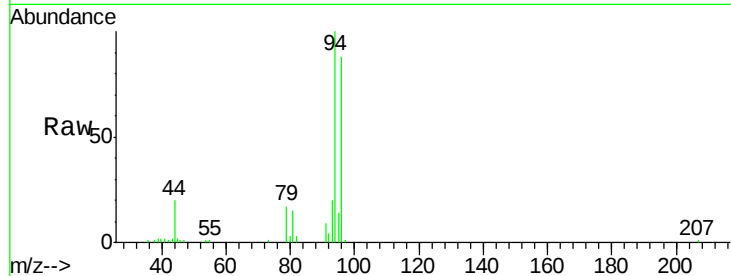
96 87.6 76.2 114.4

Manual Integrations

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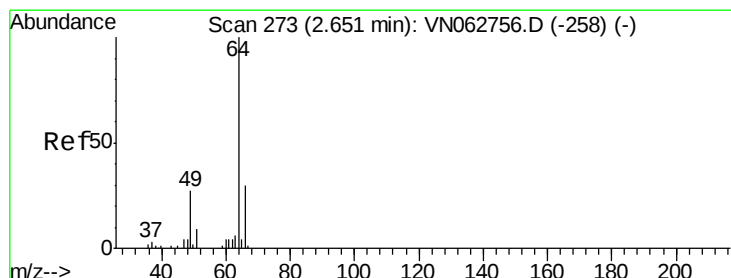
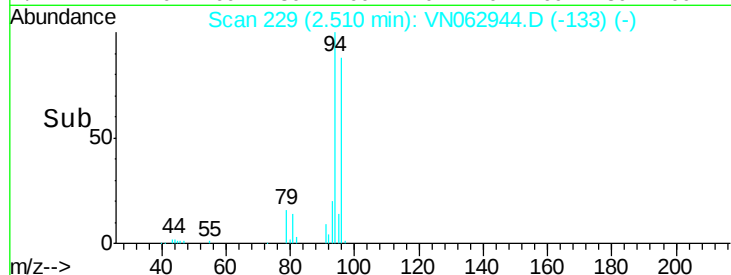
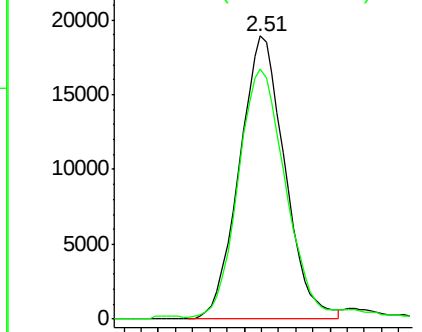
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.856 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062944.D

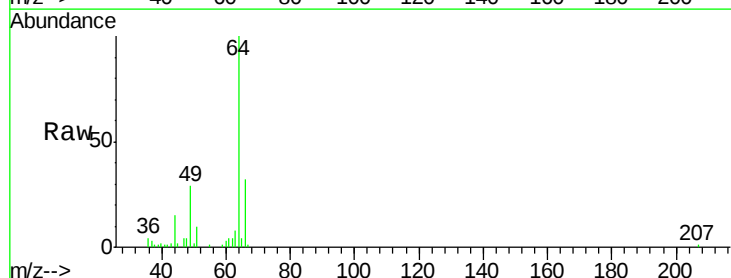
Acq: 14 Aug 2020 19:43

Tgt Ion: 64 Resp: 38916

Ion Ratio Lower Upper

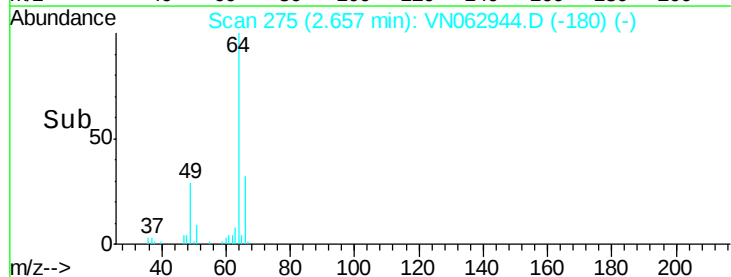
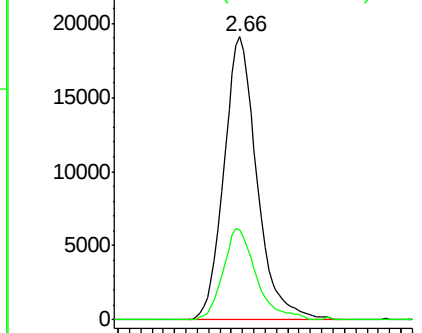
64 100

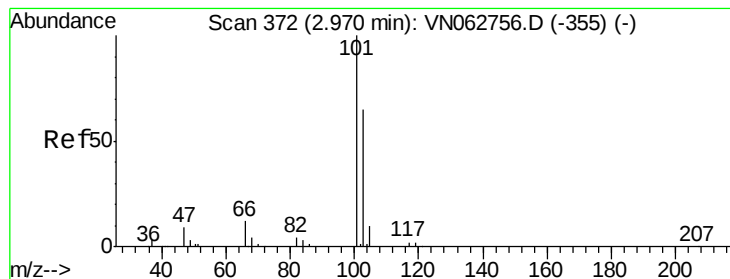
66 31.7 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

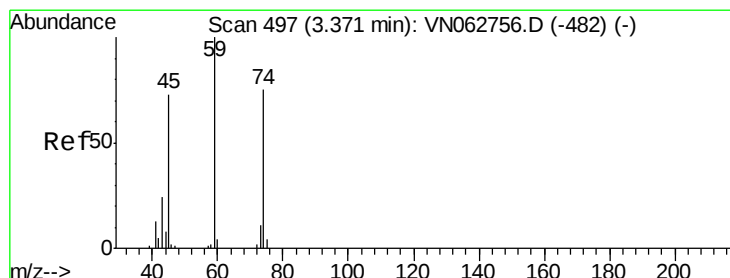
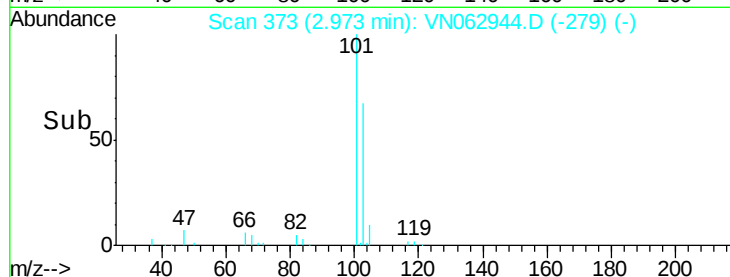
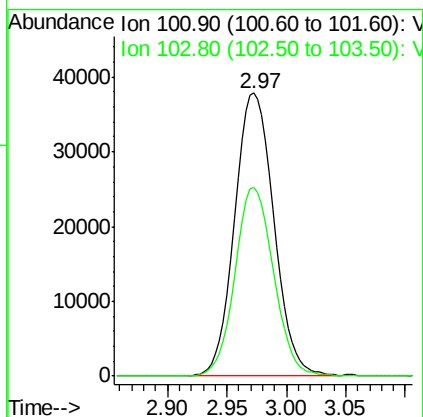
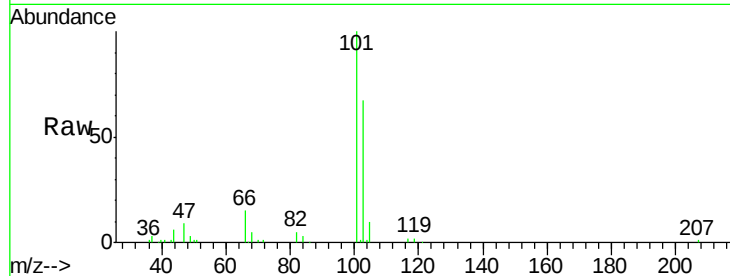
Trichlorofluoromethane
 Concen: 16.338 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.3	78.5

Manual Integrations
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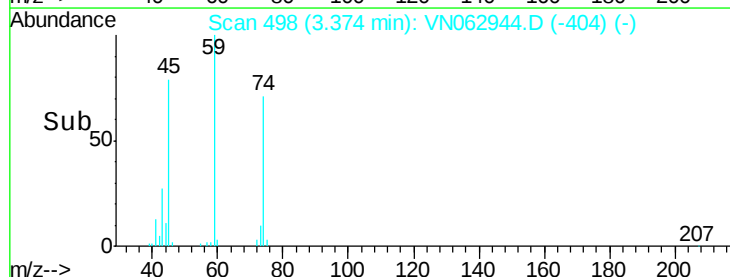
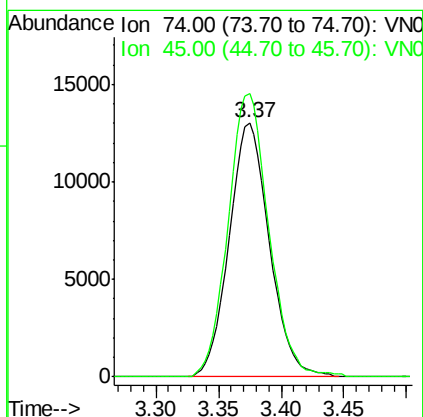
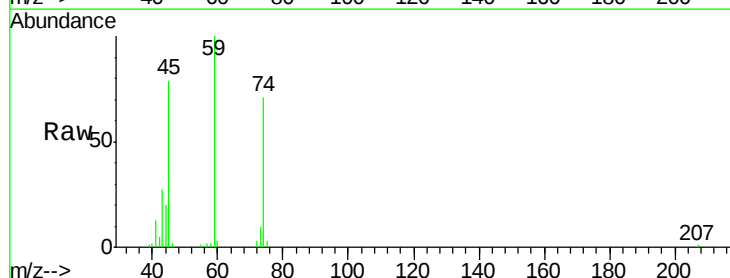
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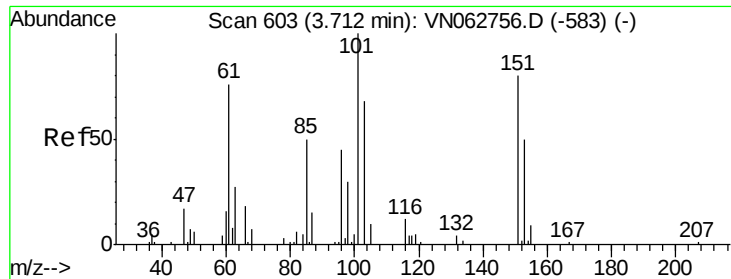


#8

Diethyl Ether
 Concen: 19.133 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.317 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN062944.D

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Instrument :

MSVOA_N

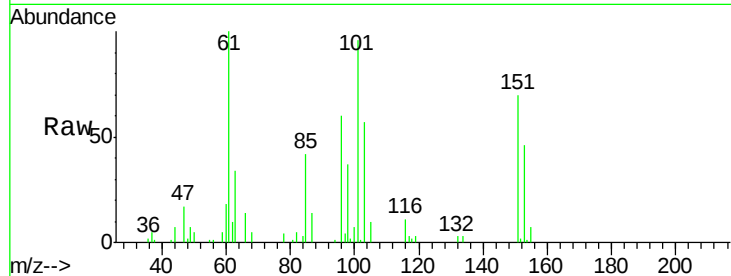
ClientSampleId :

VN0814WBS02

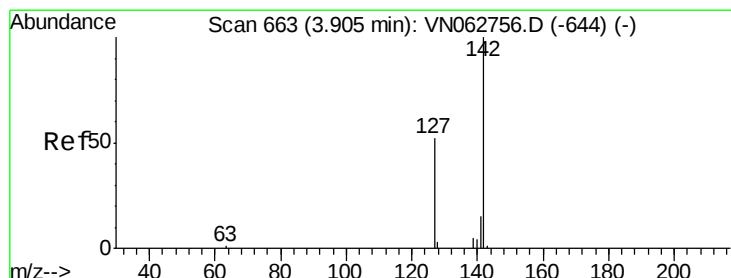
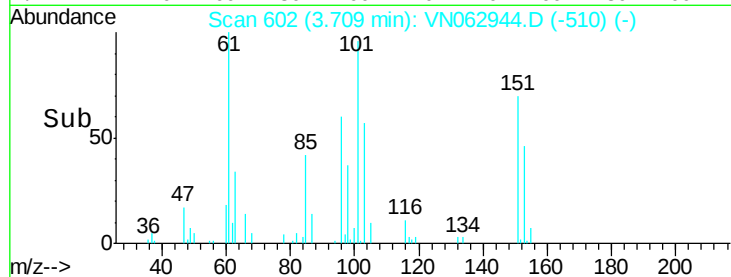
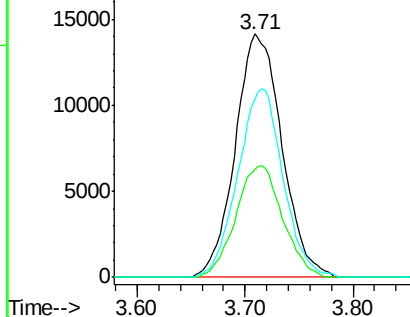
Tot Ion:	101	Resp:	42543
Ion Ratio	Lower	Upper	
101	100		
85	45.9	38.5	57.7
151	75.0	63.0	94.6

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



#10

Methyl Iodide

Concen: 17.393 ug/l

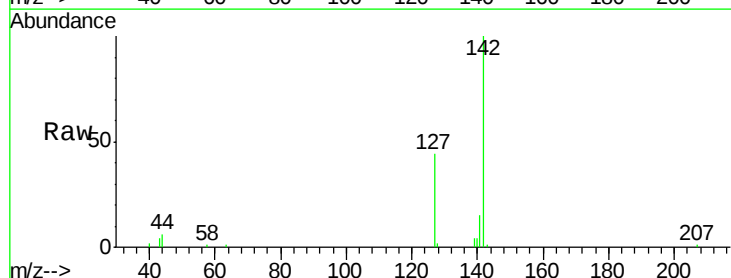
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

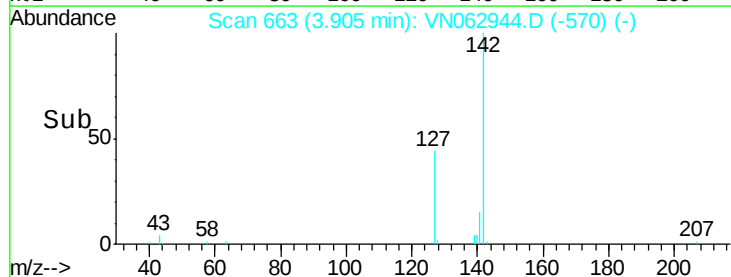
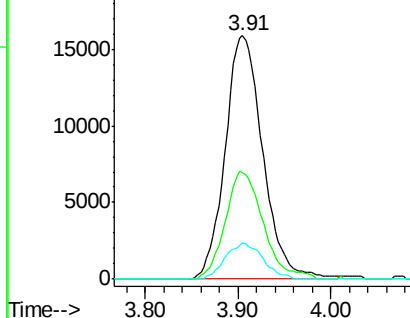
Lab File: VN062944.D

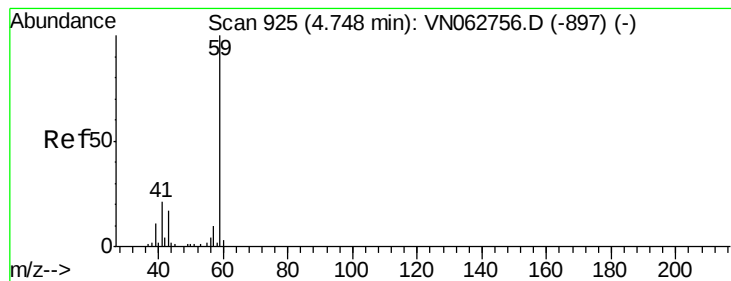
Acq: 14 Aug 2020 19:43

Tgt Ion:	142	Resp:	44783
Ion Ratio	Lower	Upper	
142	100		
127	44.5	41.4	62.0
141	14.8	12.2	18.4



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





#11

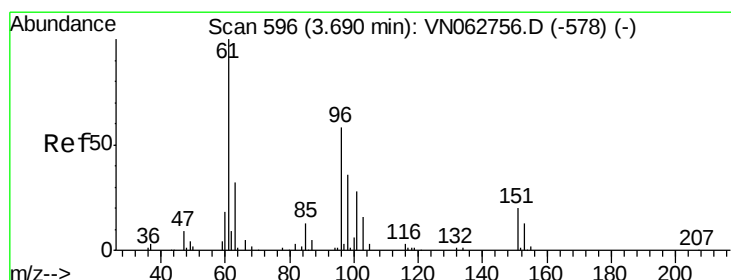
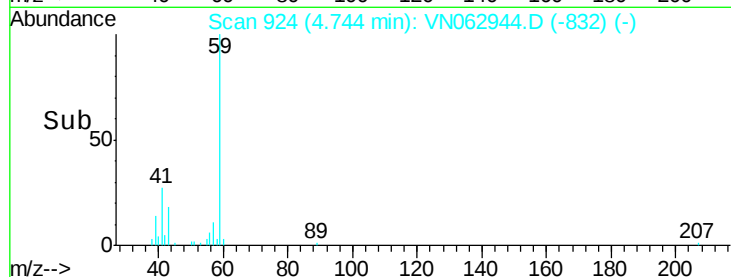
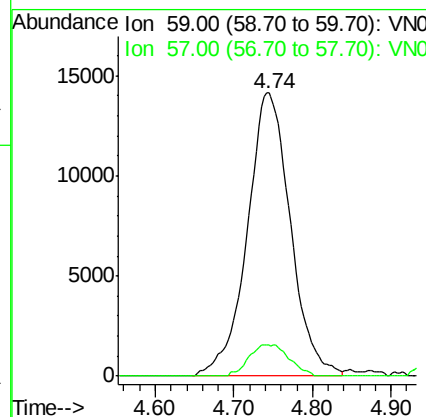
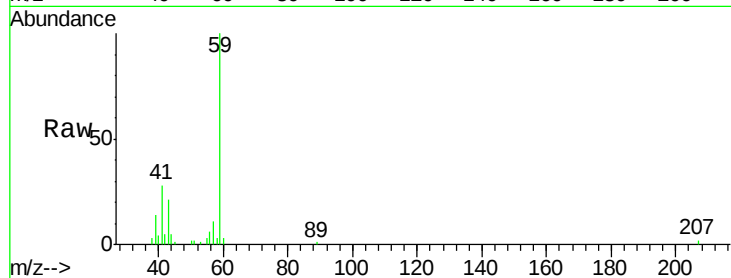
Tert butyl alcohol
Concen: 86.042 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

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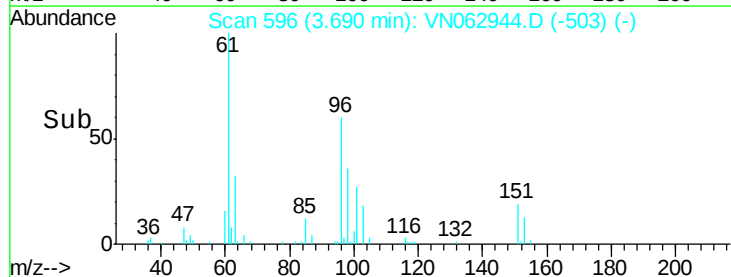
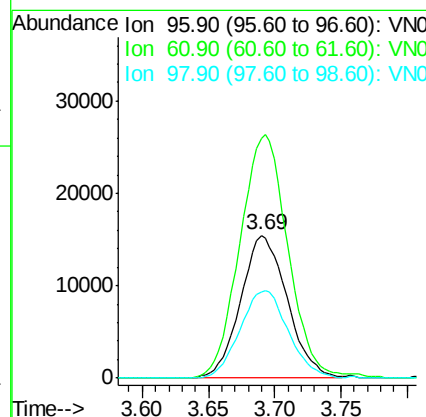
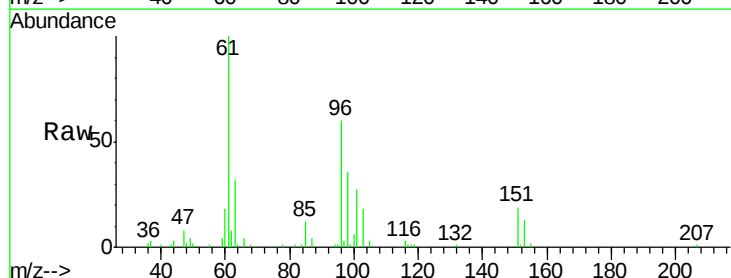
MMDadoda
8/17/2020 11:43:44 AM

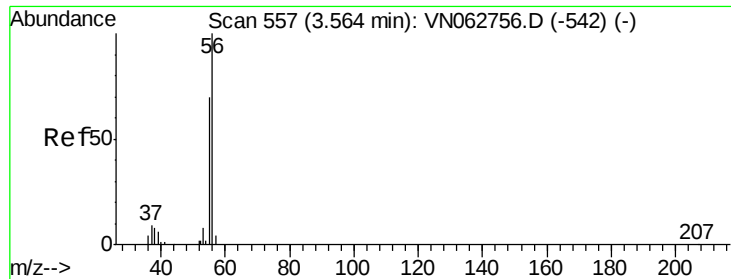


#12

1,1-Dichloroethene
Concen: 18.153 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	139.0	208.6
98	60.2	50.2	75.4





#13

Acrolein

Concen: 87.333 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 56 Resp: 33688

Ion Ratio Lower Upper

56 100

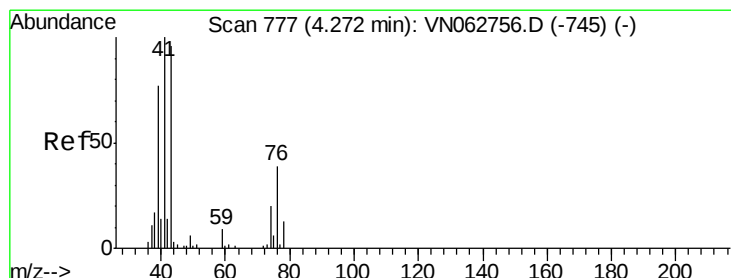
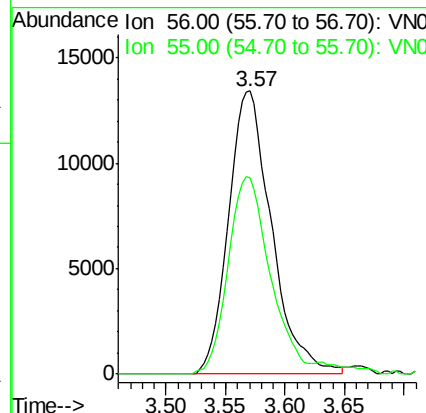
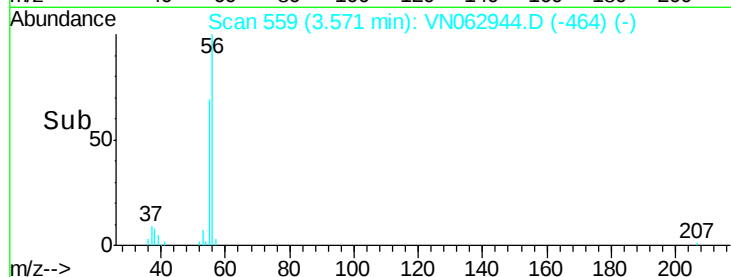
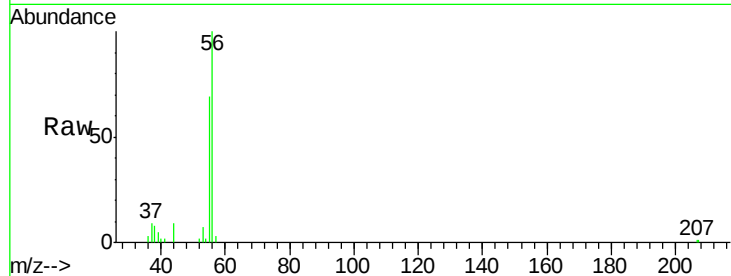
55 67.5 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.434 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

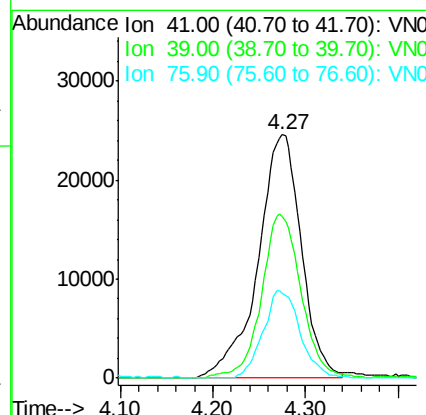
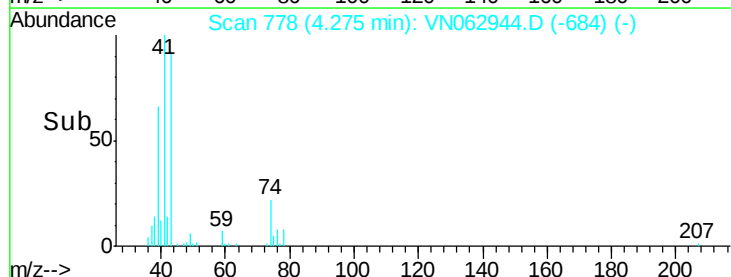
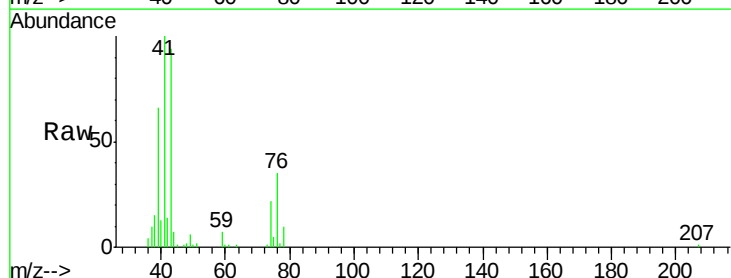
Tgt Ion: 41 Resp: 79981

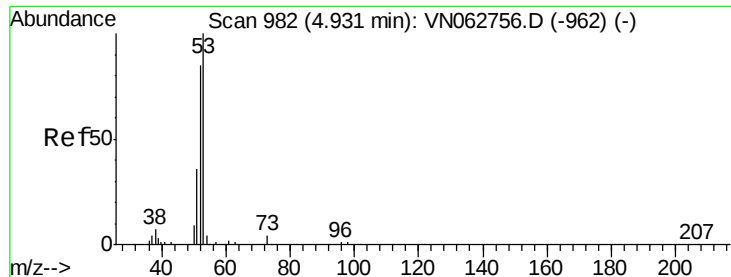
Ion Ratio Lower Upper

41 100

39 61.7 55.7 83.5

76 30.8 27.5 41.3





#15

Acrylonitrile

Concen: 102.728 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

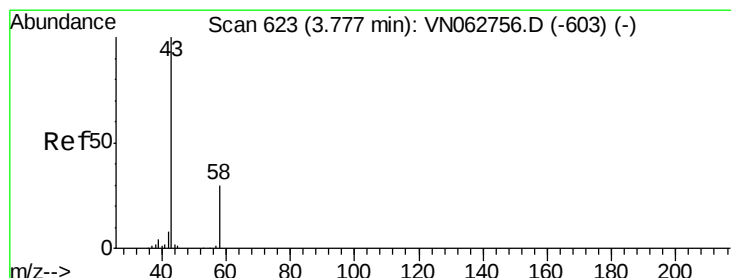
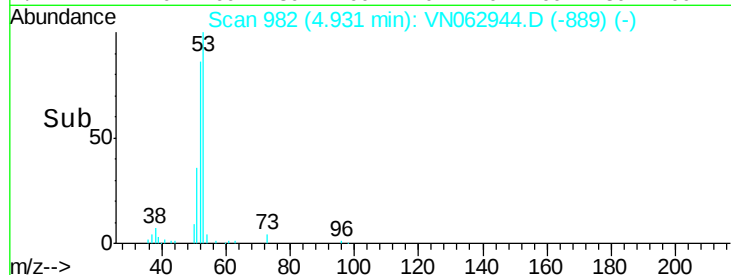
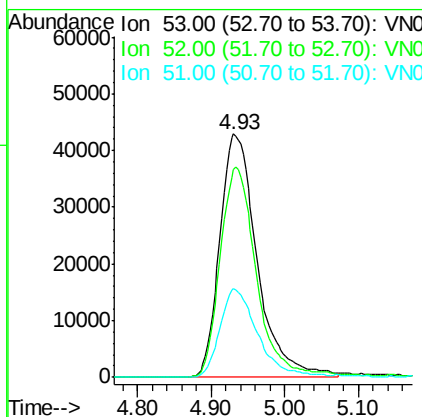
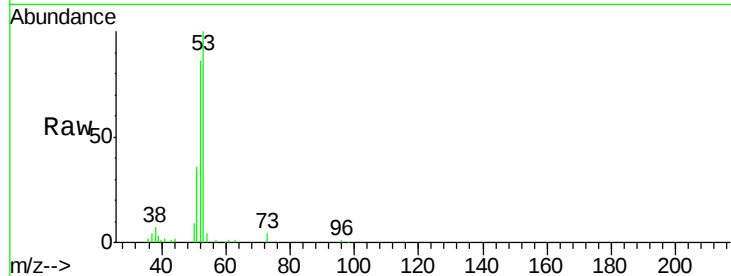
ClientSampleId :

VN0814WBS02

Tot Ion:	53	Resp:	151800
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.8	100.2
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 90.219 ug/l

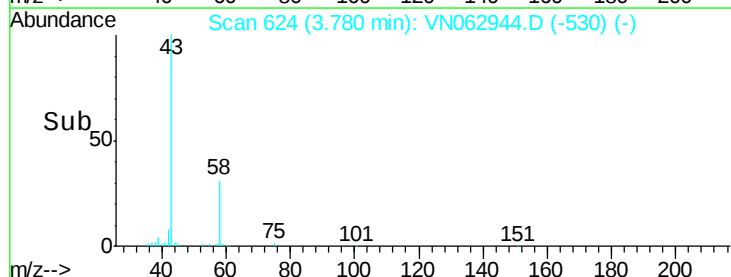
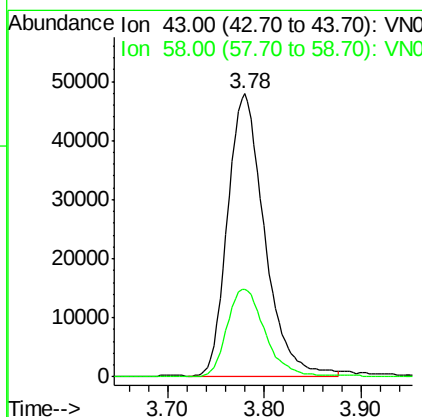
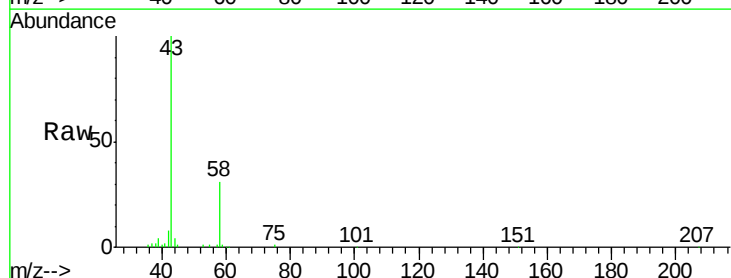
RT: 3.78 min Scan# 624

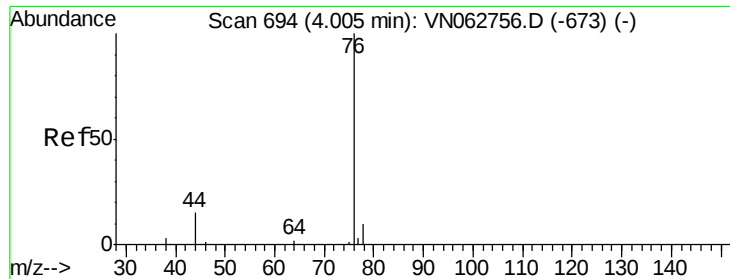
Delta R.T. 0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion:	43	Resp:	126720
Ion Ratio		Lower	Upper
43	100		
58	31.1	24.1	36.1





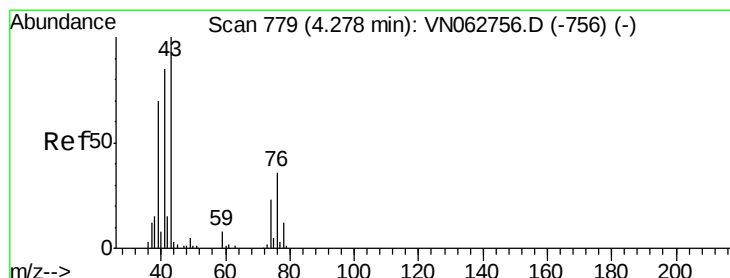
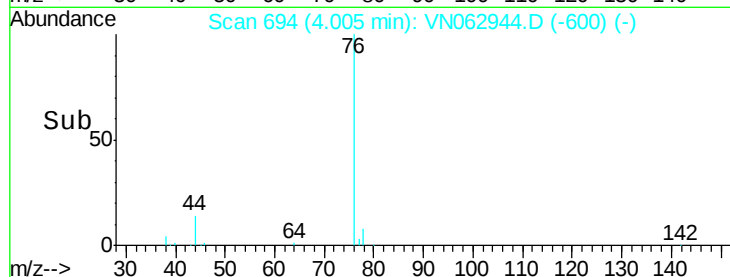
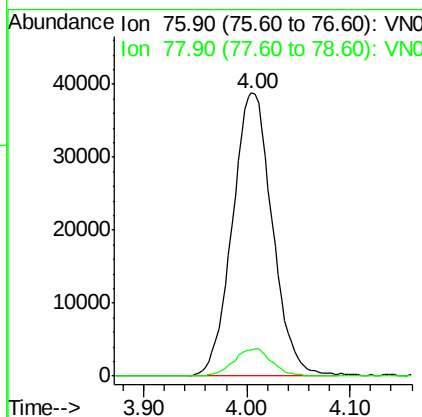
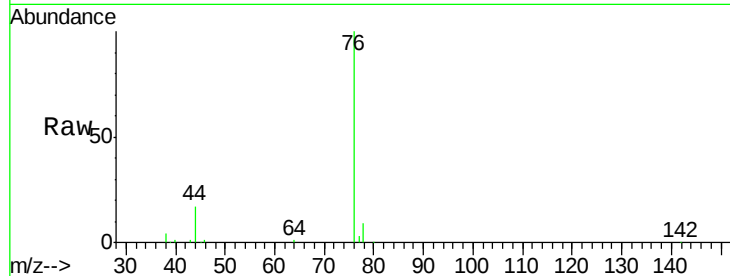
#17
Carbon Disulfide
Concen: 17.790 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion: 76 Resp: 104507
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5

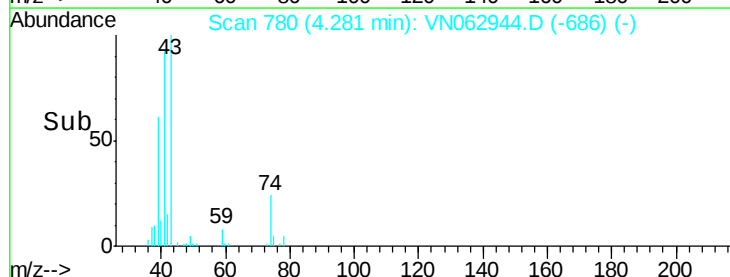
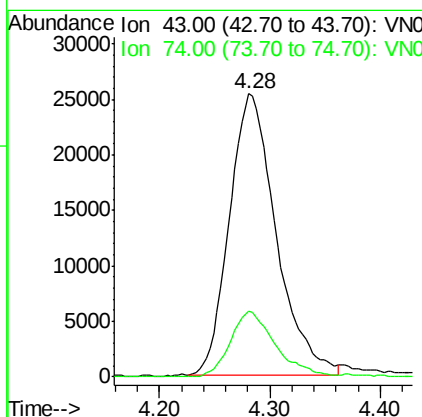
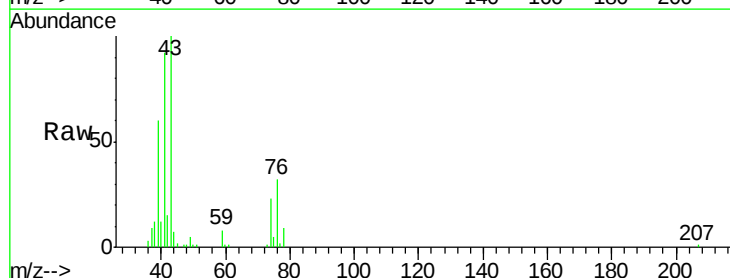
Manual Integrations
APPROVED

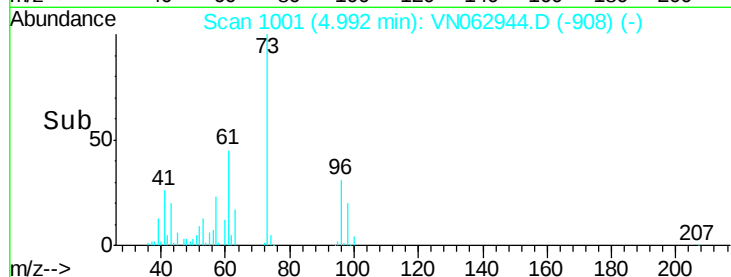
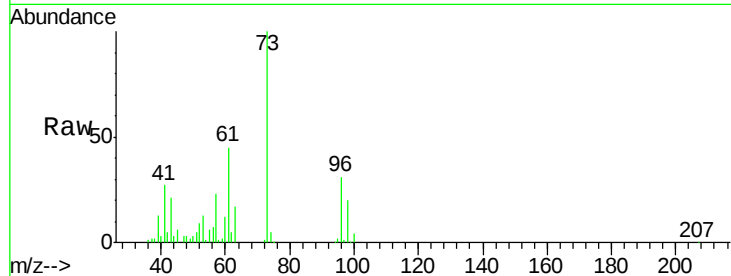
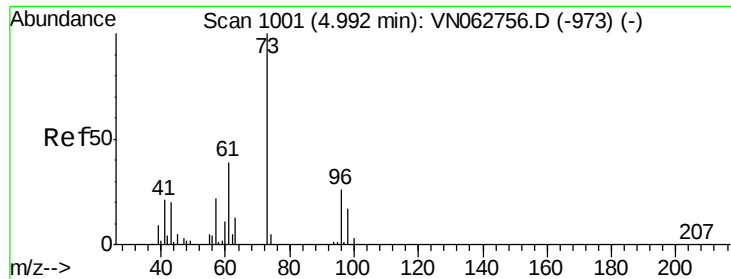
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#18
Methyl Acetate
Concen: 21.736 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion: 43 Resp: 74330
Ion Ratio Lower Upper
43 100
74 22.5 18.6 28.0





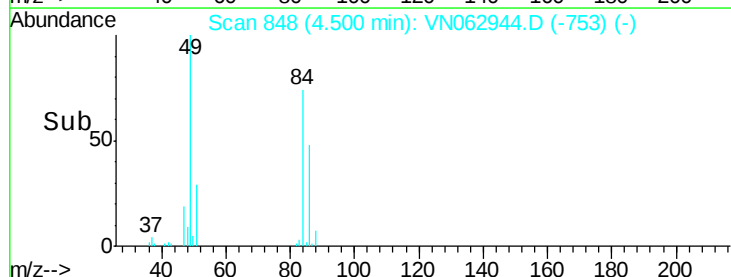
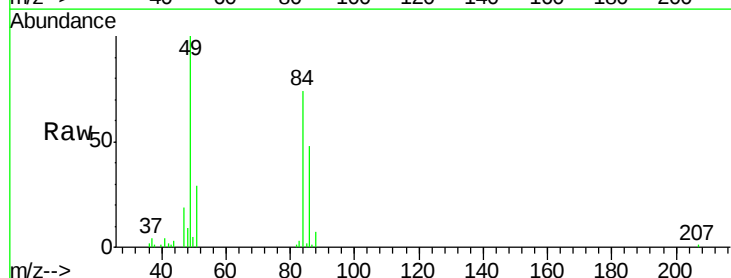
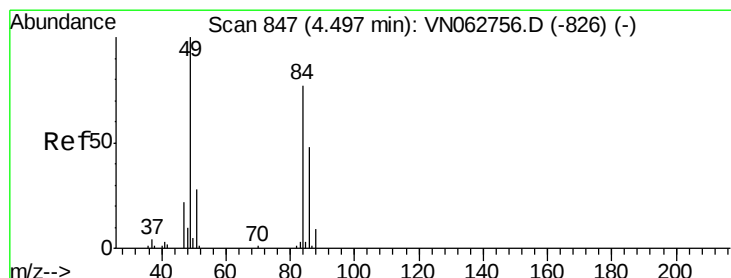
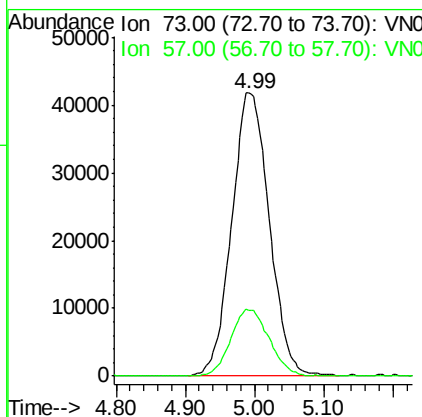
#19
Methvl tert-butvl Ether
Concen: 17.339 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tot Ion: 73 Resp: 157912
Ion Ratio Lower Upper
73 100
57 23.4 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

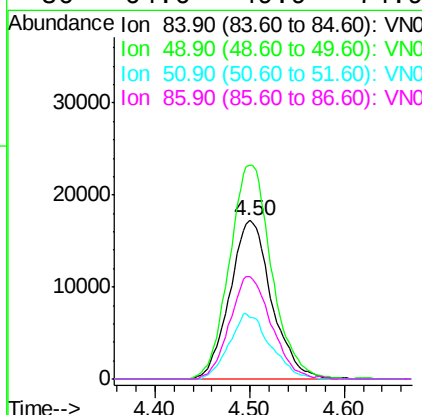
Manual Integrations
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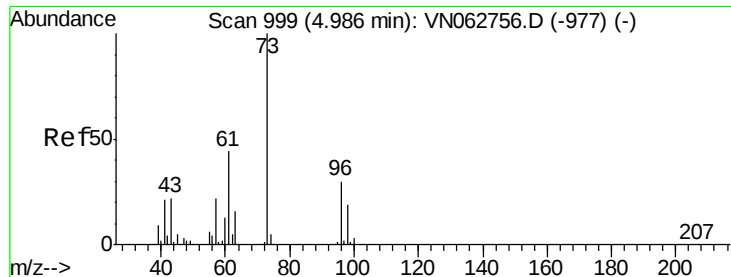
MMDadoda
8/17/2020 11:43:44 AM



#20
Methylene Chloride
Concen: 20.144 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion: 84 Resp: 52946
Ion Ratio Lower Upper
84 100
49 135.1 103.4 155.2
51 39.3 29.3 43.9
86 64.6 49.9 74.9





#21

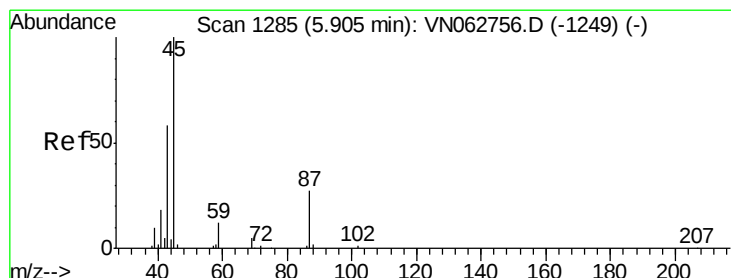
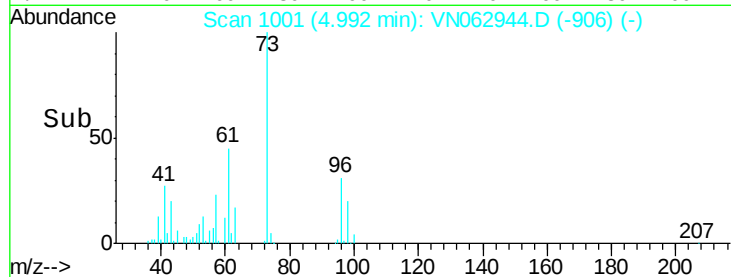
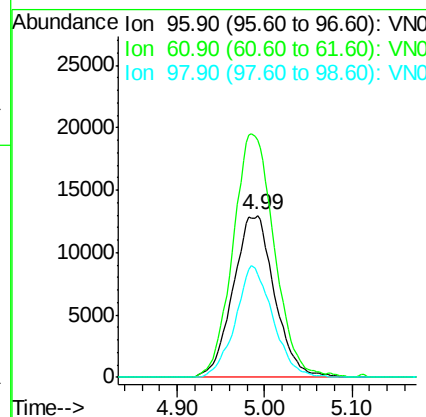
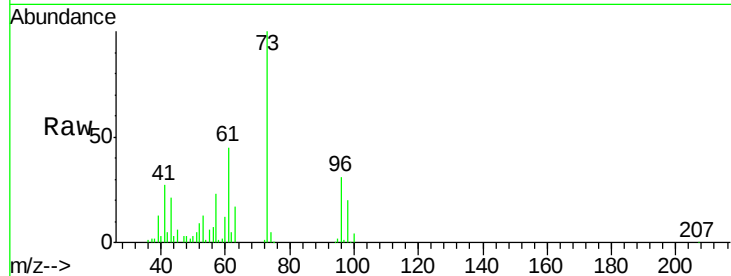
trans-1,2-Dichloroethene
Concen: 18.130 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	118.8	178.2
98	63.2	51.0	76.4

Manual Integrations
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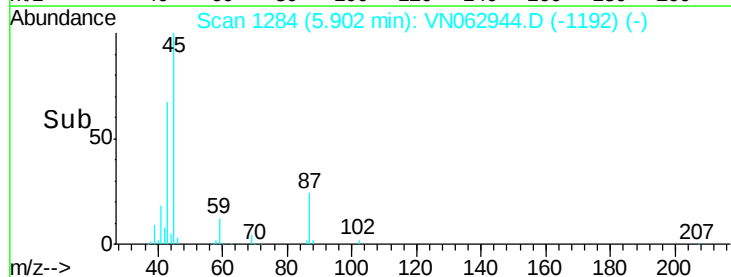
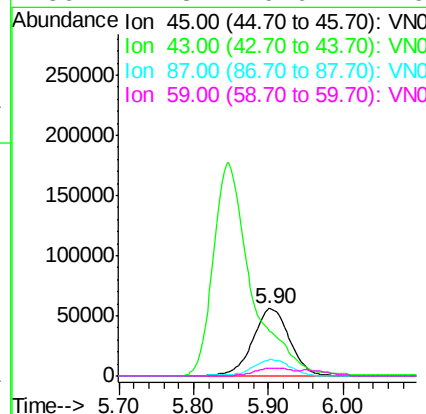
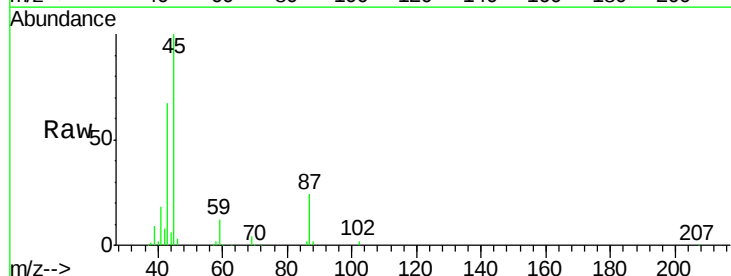
MMDadoda
8/17/2020 11:43:44 AM

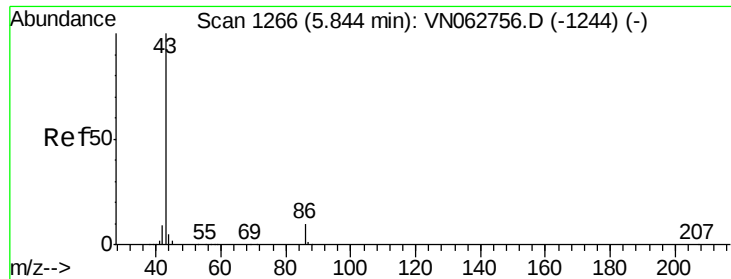


#22

Diisopropyl ether
Concen: 22.042 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.3	47.4	71.2
87	24.1	22.8	34.2
59	11.3	9.9	14.9





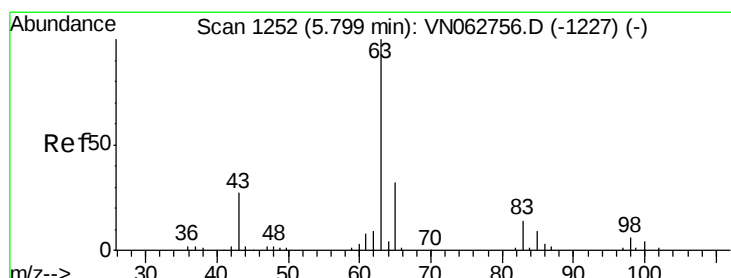
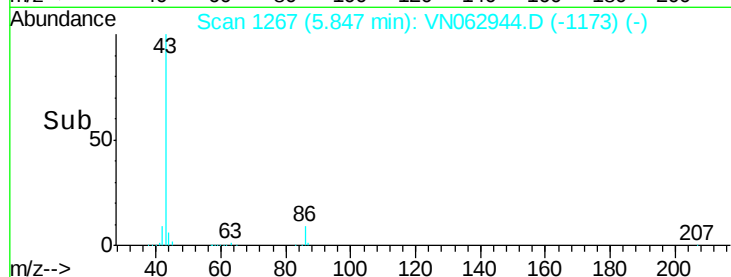
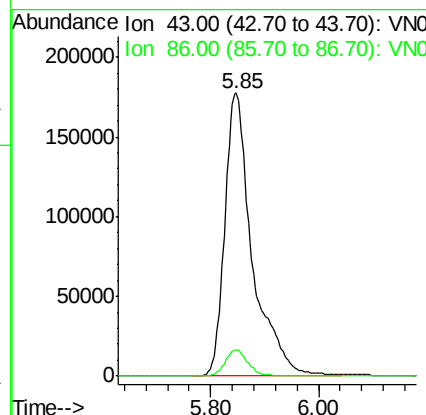
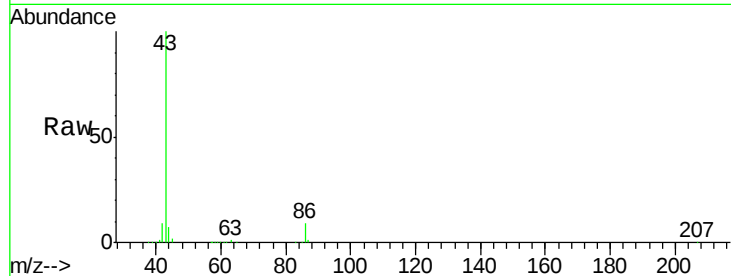
#23
 Vinyl Acetate
 Concen: 94.587 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.7	11.5

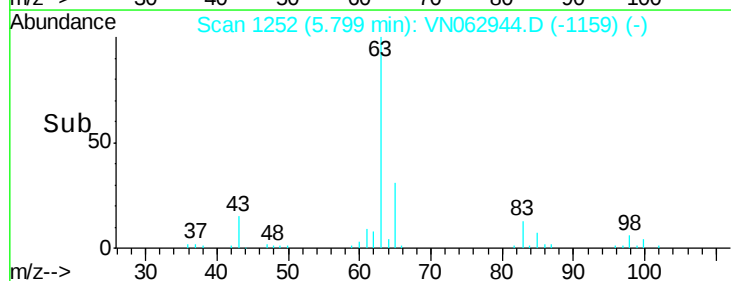
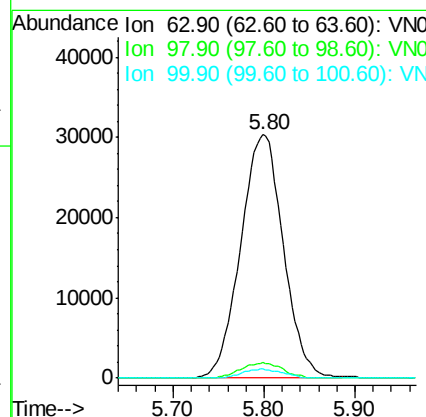
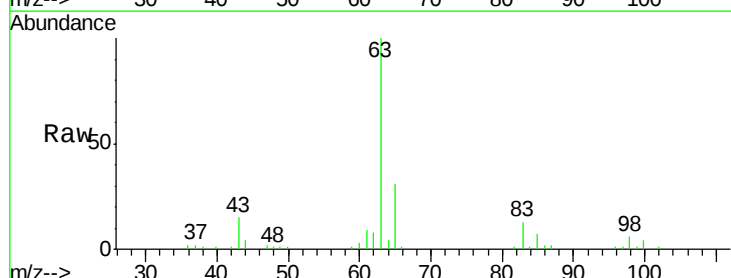
Manual Integrations
 APPROVED

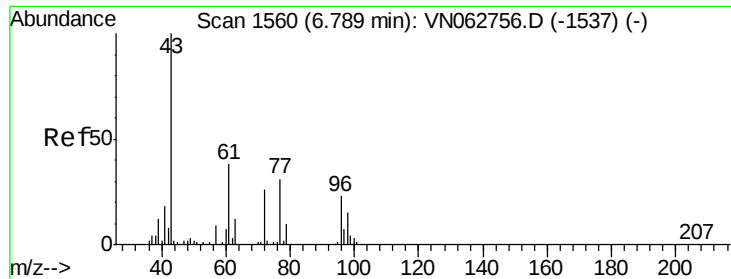
MMDadoda
 8/17/2020 11:43:44 AM



#24
 1,1-Dichloroethane
 Concen: 19.242 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.0	9.2
100	3.8	1.9	5.7





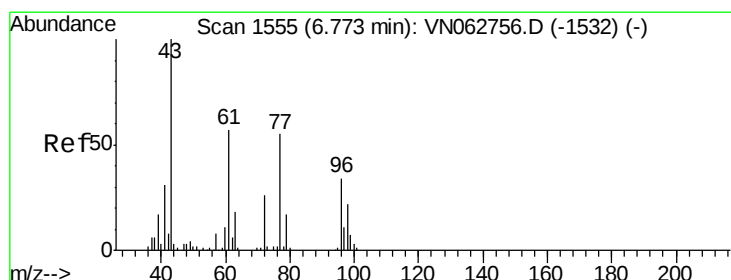
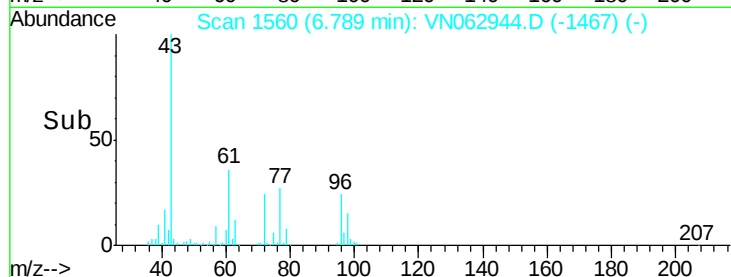
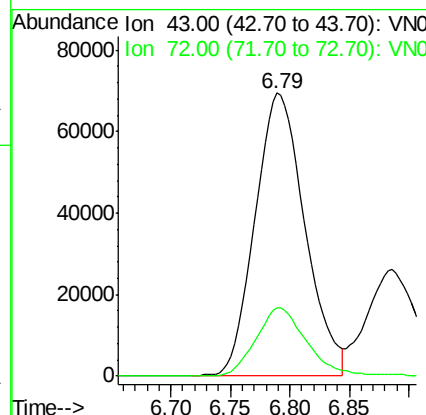
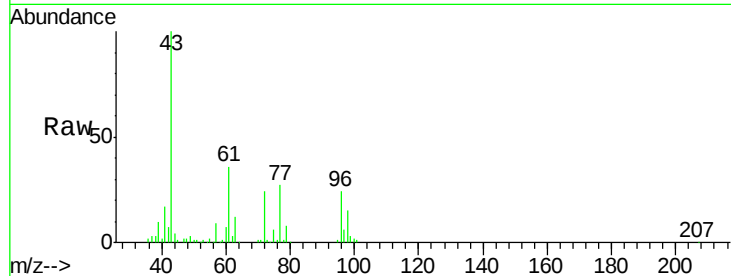
#25
2-Butanone
Concen: 101.323 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.3	21.1	31.7

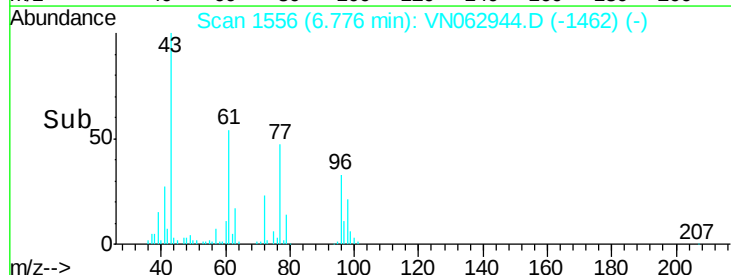
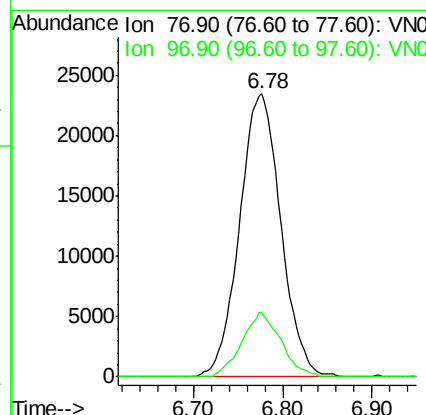
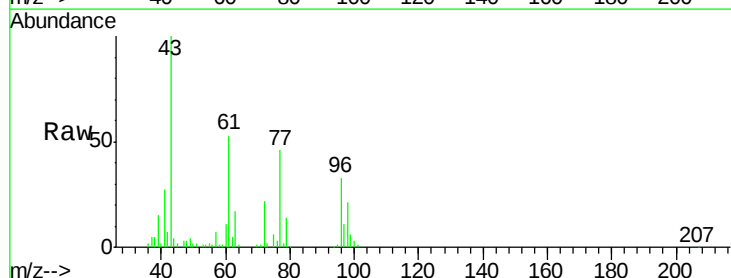
Manual Integrations
APPROVED

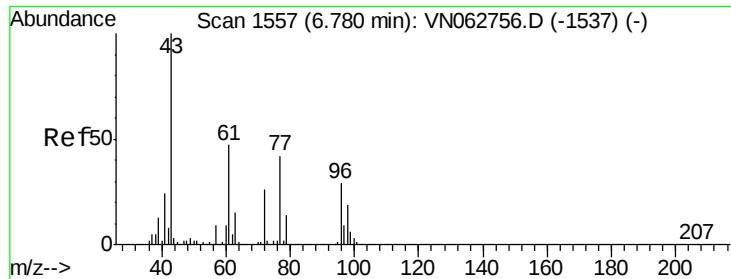
MMDadoda
8/17/2020 11:43:44 AM



#26
2,2-Dichloropropane
Concen: 15.939 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.5	31.6





#27

cis-1,2-Dichloroethene

Concen: 18.576 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

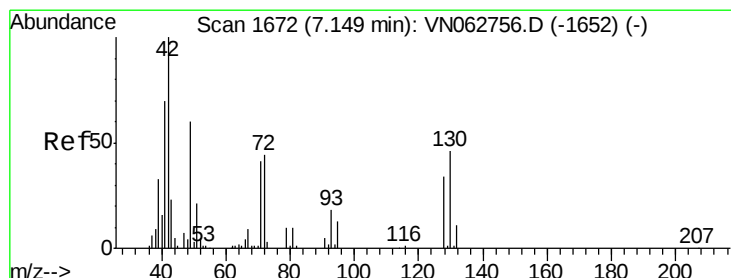
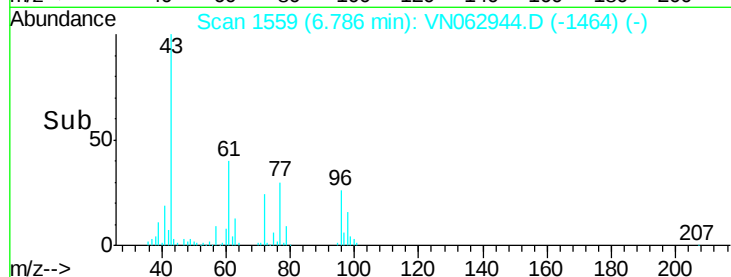
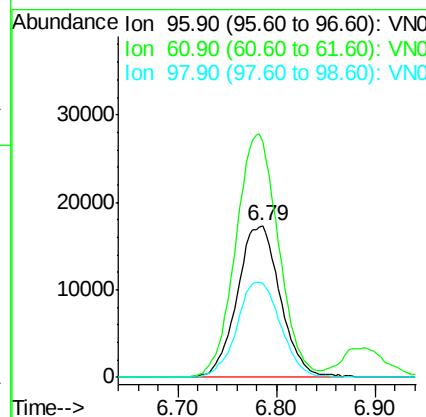
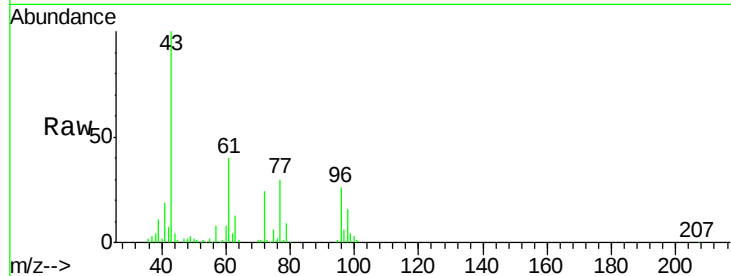
ClientSampleId :

VN0814WBS02

Tot Ion:	96	Resp:	52417
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	332.2
98	63.8	0.0	129.4

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8/17/2020 11:43:44 AM



#28

Bromochloromethane

Concen: 21.841 ug/l

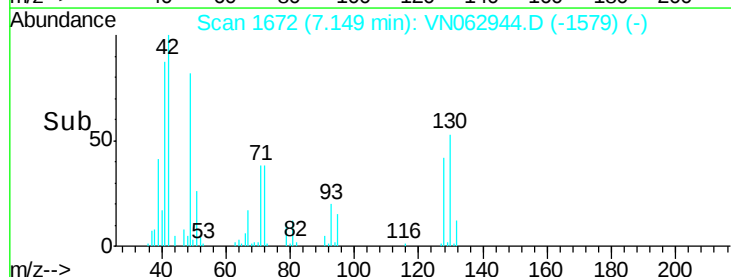
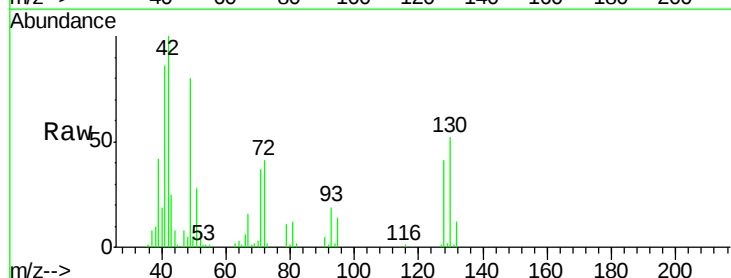
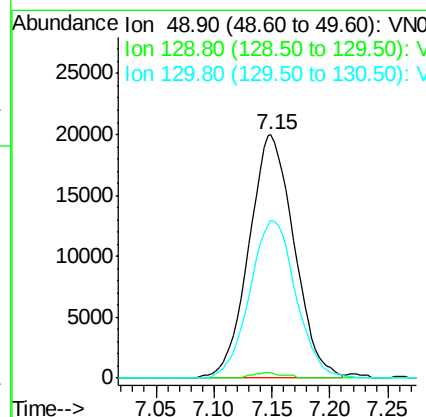
RT: 7.15 min Scan# 1672

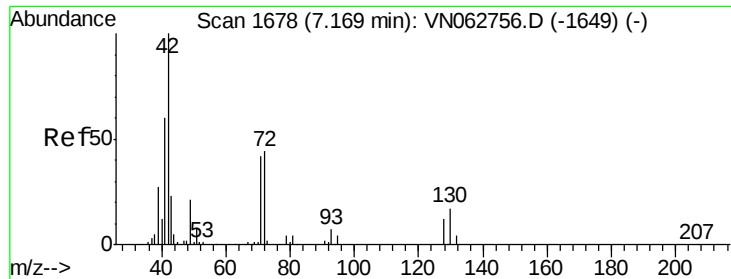
Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion:	49	Resp:	54118
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	66.2	59.0	88.6





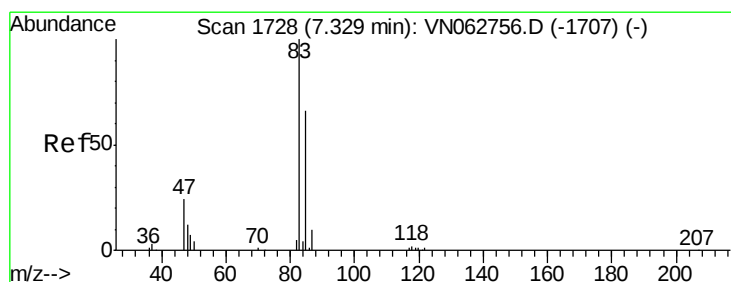
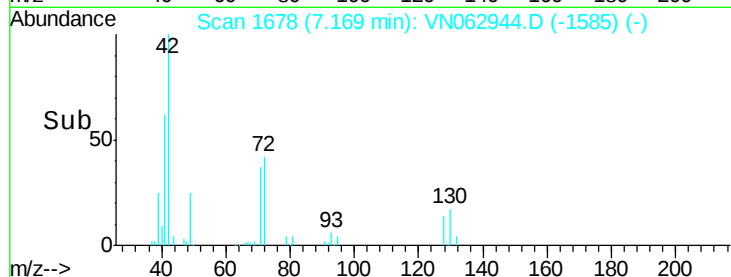
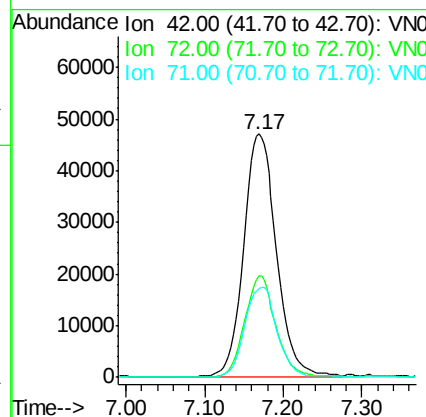
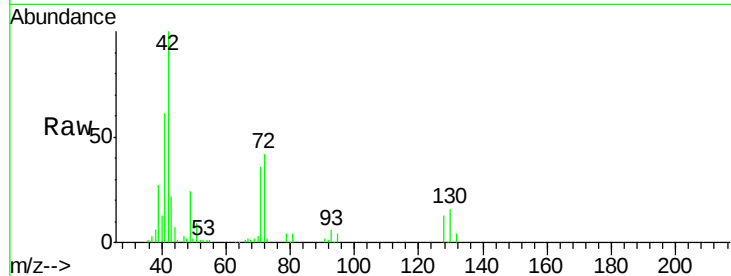
#29
Tetrahydrofuran
Concen: 107.535 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	35.0	52.4
71	36.3	33.2	49.8

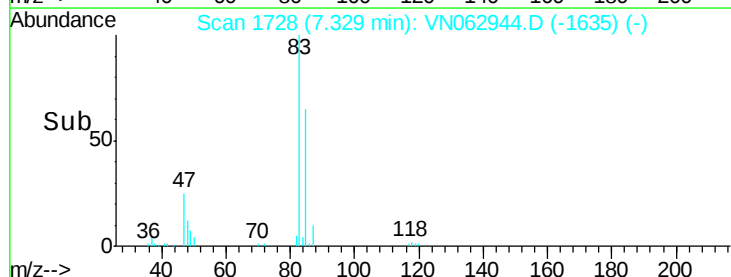
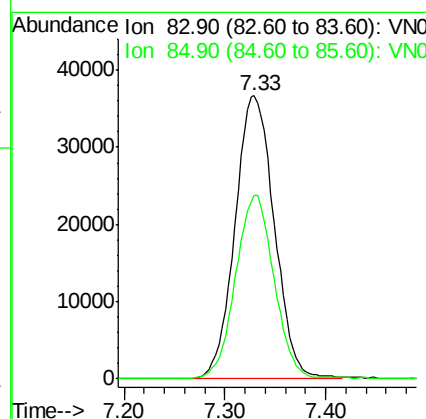
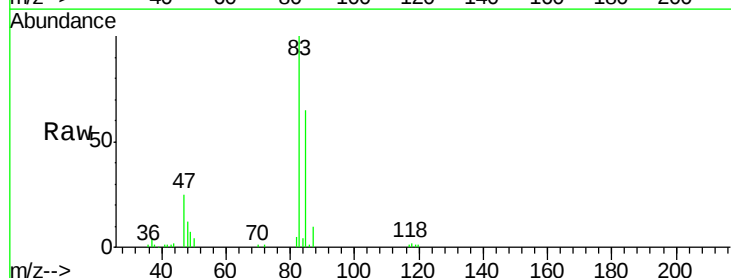
Manual Integrations
APPROVED

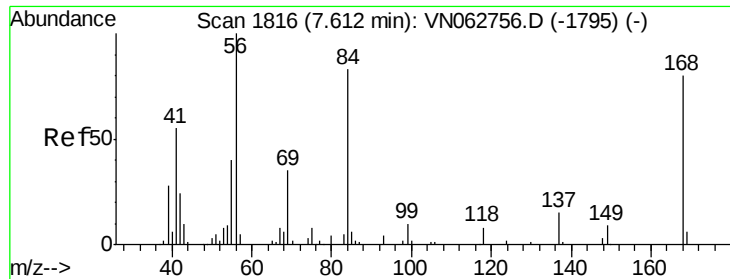
MMDadoda
8/17/2020 11:43:44 AM



#30
Chloroform
Concen: 18.159 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.7	79.1





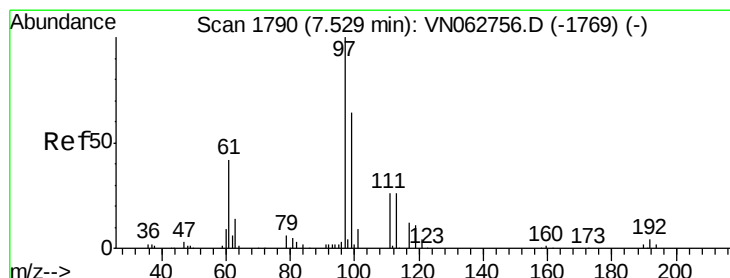
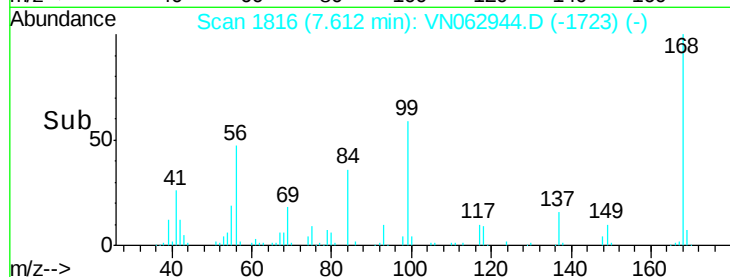
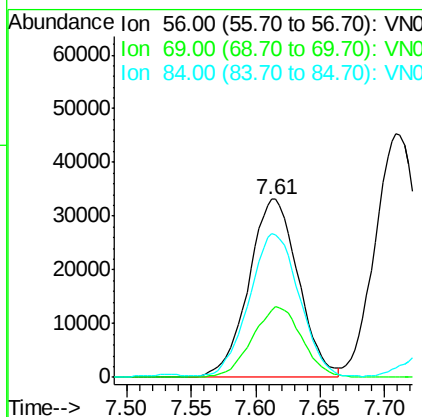
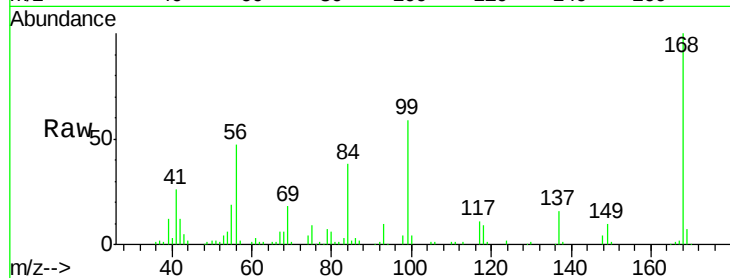
#31
Cyclohexane
Concen: 18.863 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	28.1	42.1
84	79.2	66.8	100.2

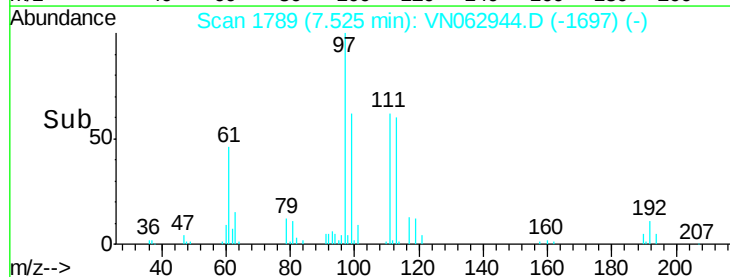
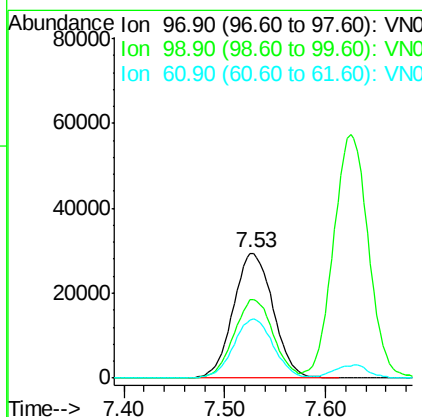
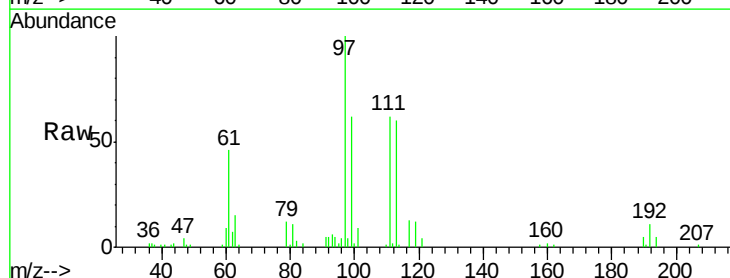
Manual Integrations
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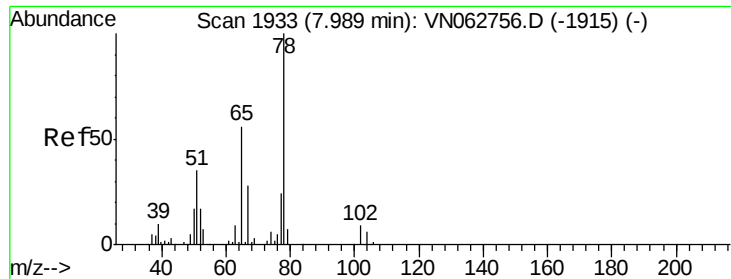
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#32
1,1,1-Trichloroethane
Concen: 16.567 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	50.0	75.0
61	46.9	34.8	52.2





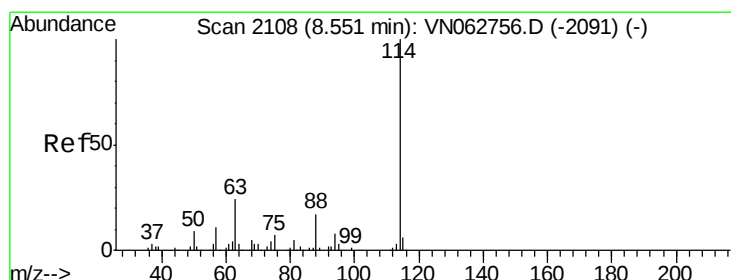
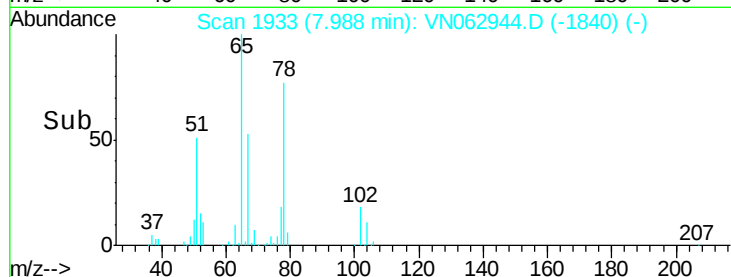
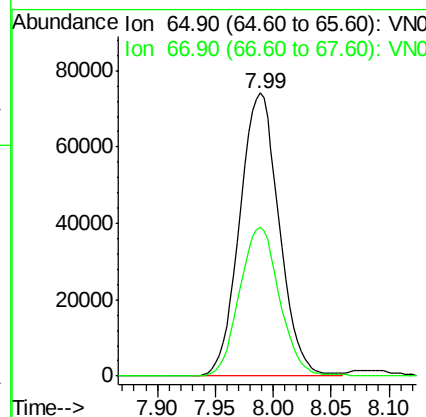
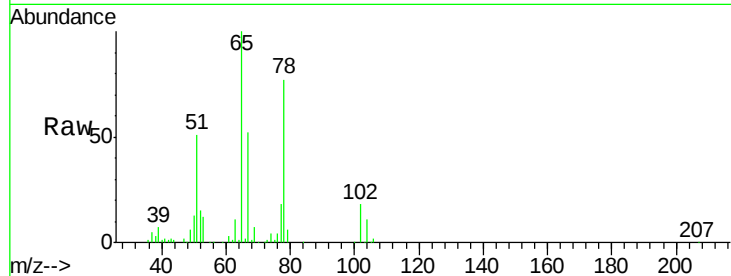
#33
 1,2-Dichloroethane-d4
 Concen: 45.263 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175943		
67	53.1	0.0	101.4	

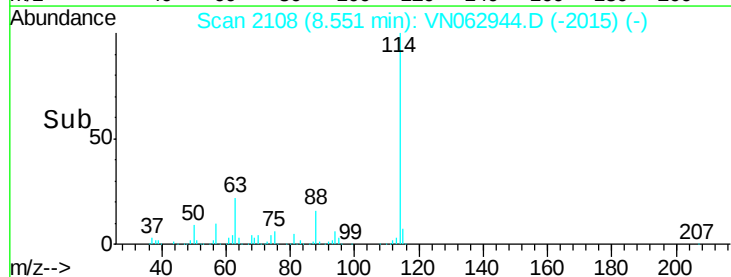
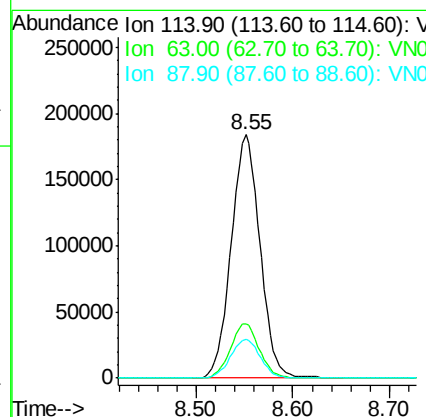
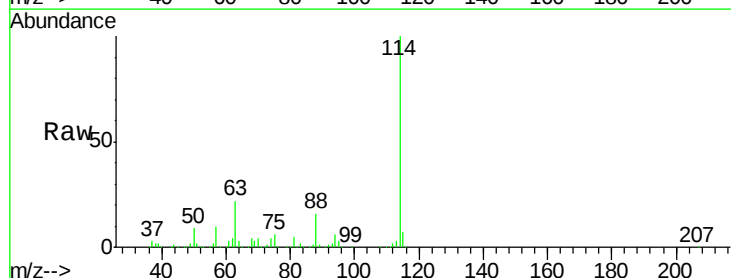
Manual Integrations
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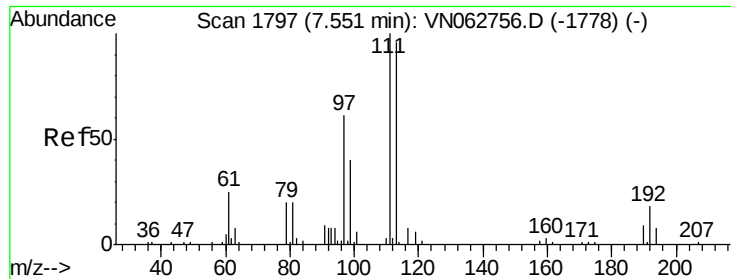
MMDadoda
 8/17/2020 11:43:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	380661		
63	22.5	0.0	47.6	
88	15.9	0.0	34.4	





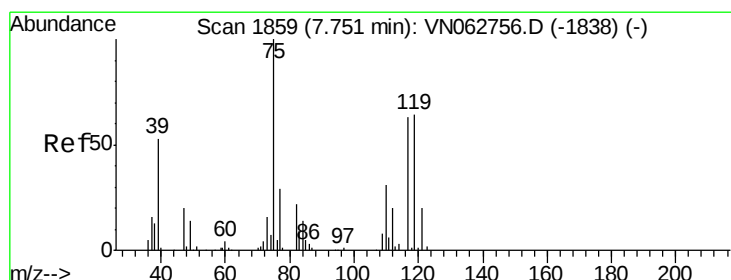
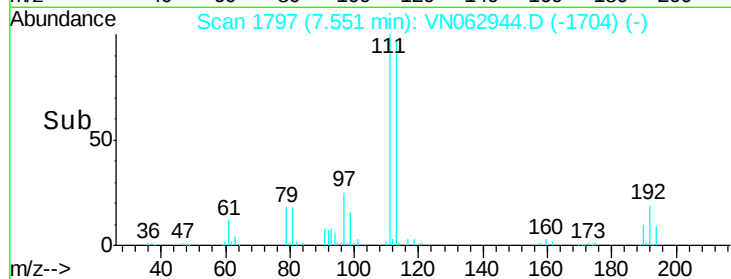
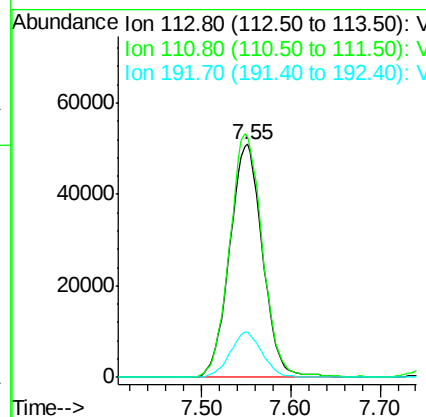
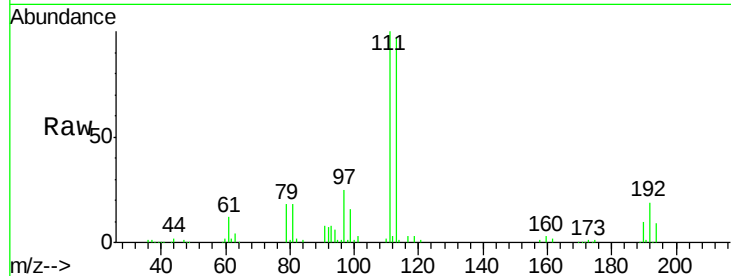
#35
Dibromofluoromethane
Concen: 49.986 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130161		
111	104.0	81.8	122.6	
192	18.8	15.0	22.4	

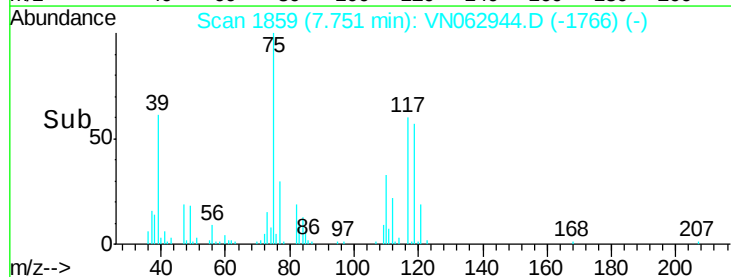
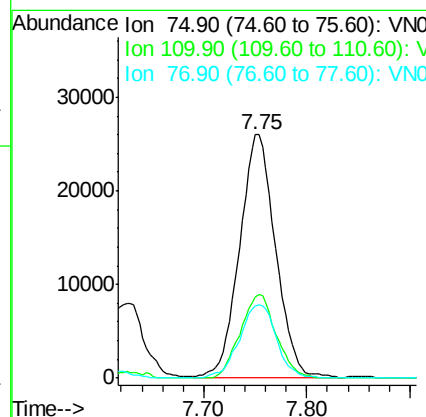
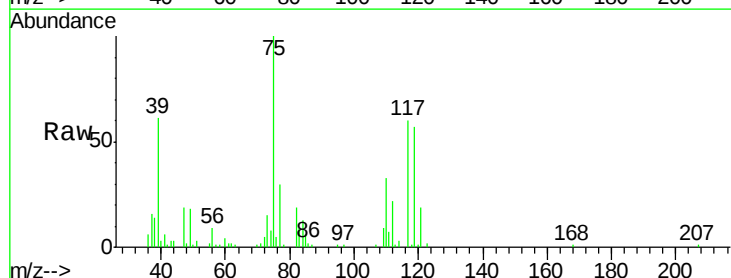
Manual Integrations
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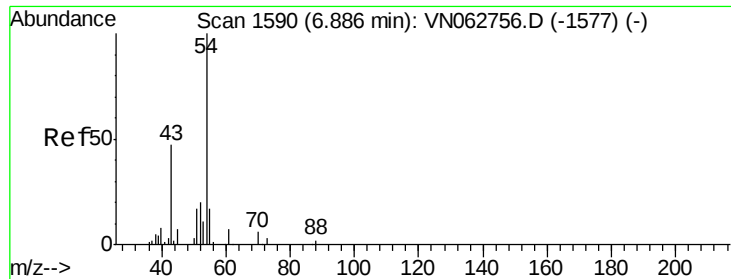
MMDadoda
8/17/2020 11:43:44 AM



#36
1,1-Dichloropropene
Concen: 17.104 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63397		
110	34.0	15.6	46.7	
77	31.0	24.1	36.1	





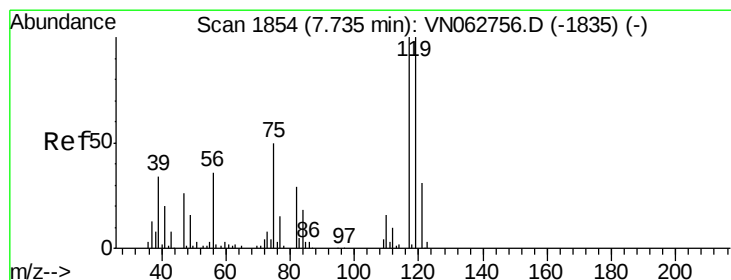
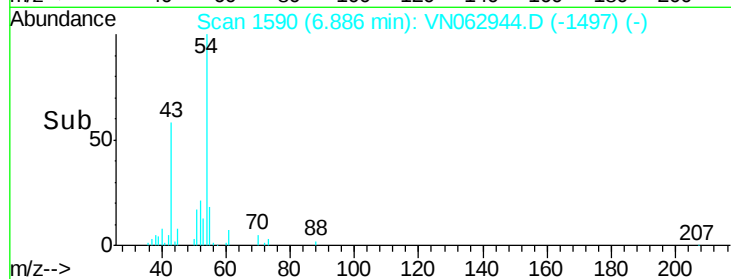
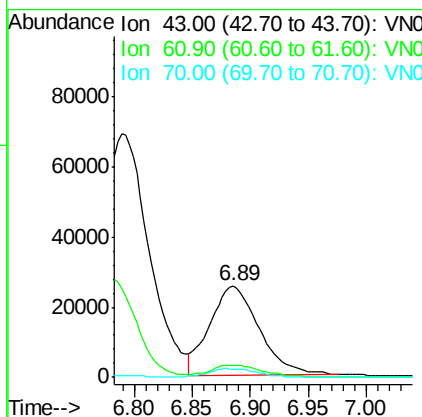
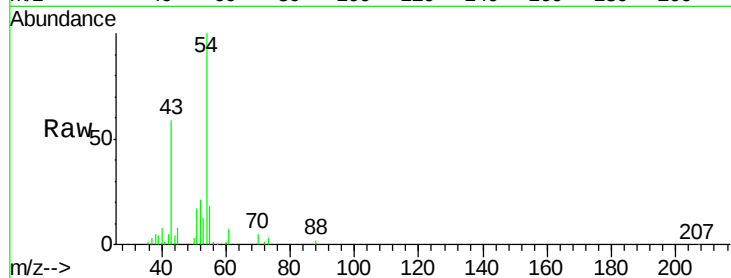
#37
Ethyl Acetate
Concen: 19.678 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.0	12.1	18.1#
70	9.6	8.3	12.5

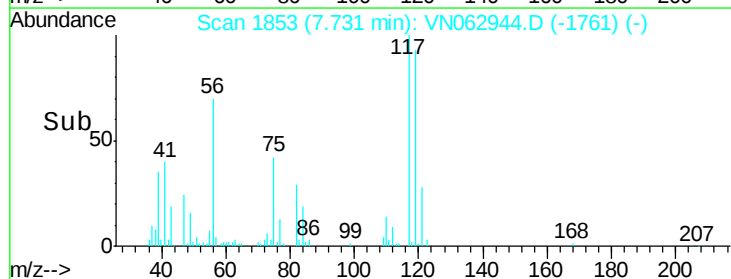
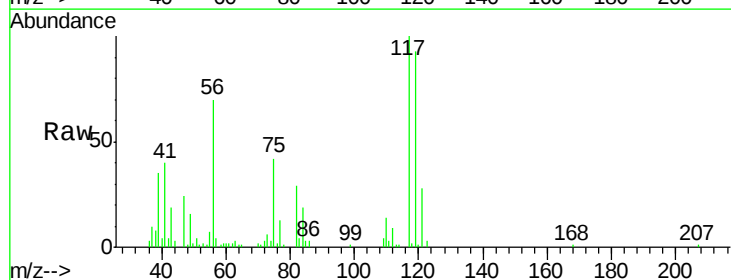
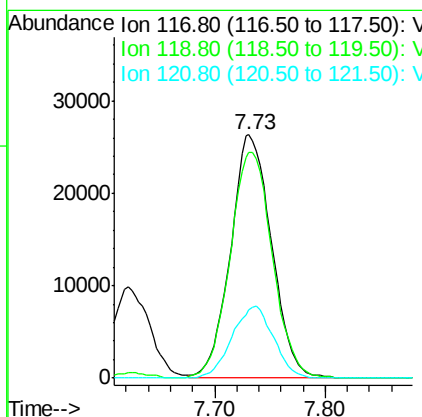
Manual Integrations
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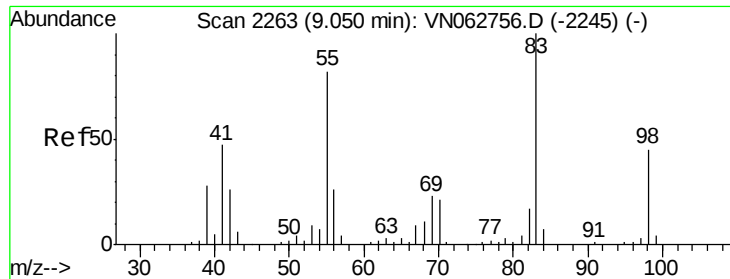
MMDadoda
8/17/2020 11:43:44 AM



#38
Carbon Tetrachloride
Concen: 15.481 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.4	119.2
121	27.9	24.9	37.3





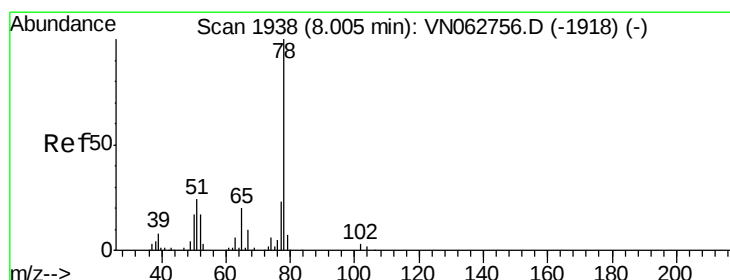
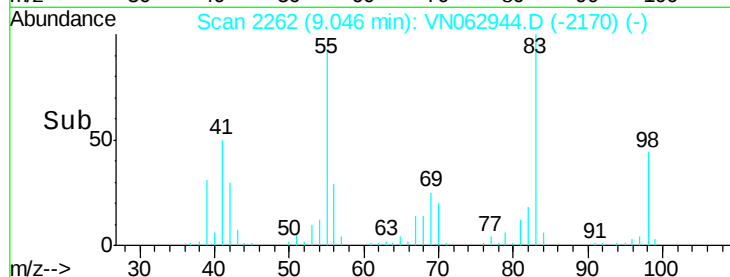
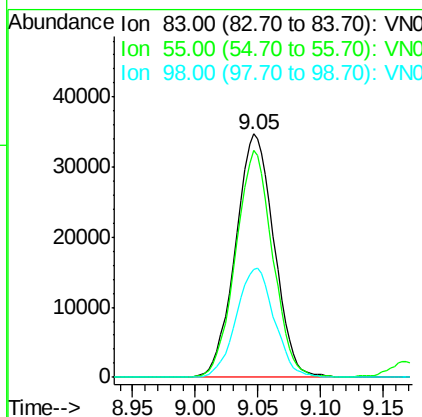
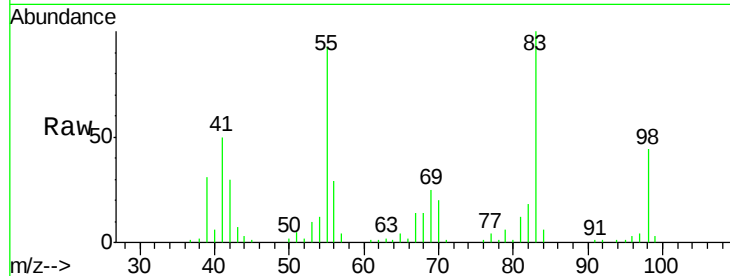
#39
Methvlcvclohexane
Concen: 16.602 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.1	65.7	98.5
98	44.3	35.6	53.4

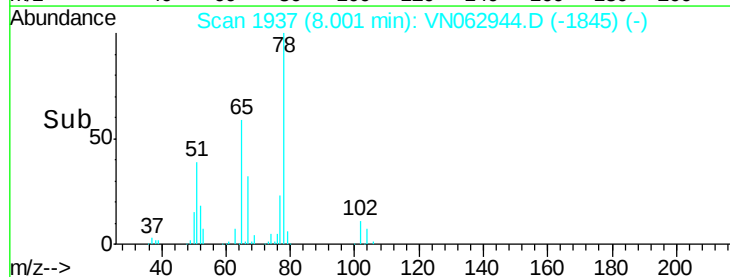
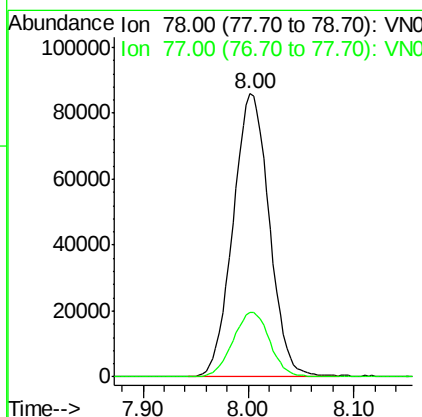
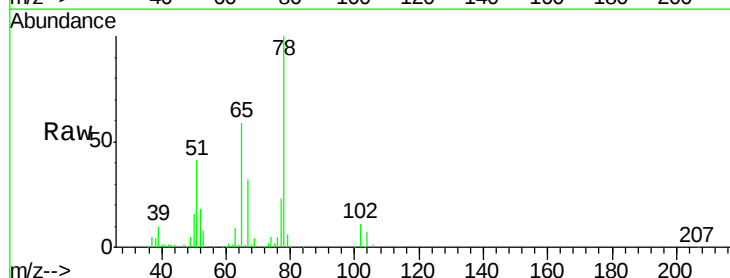
Manual Integrations
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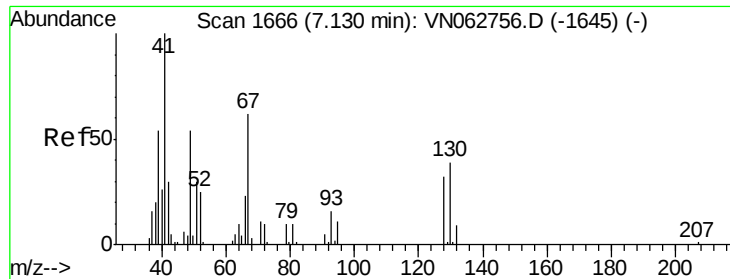
MMDadoda
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#40
Benzene
Concen: 18.567 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.1	27.1





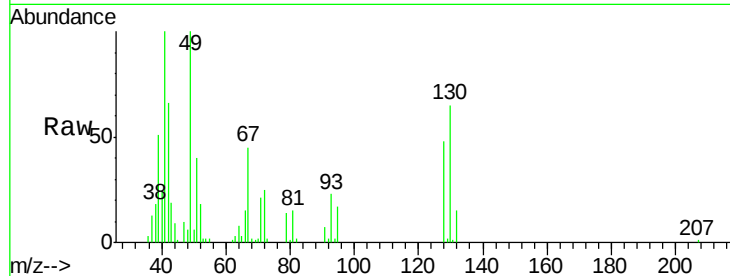
#41
Methacrylonitrile
Concen: 21.871 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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8/17/2020 11:43:44 AM

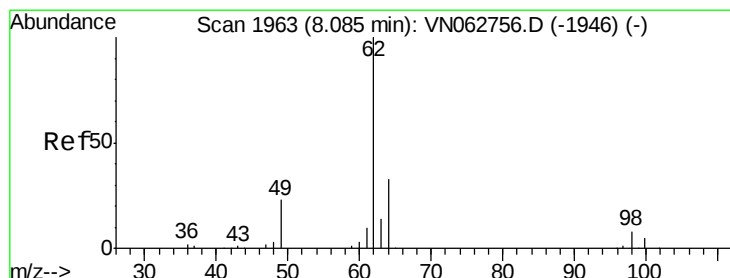
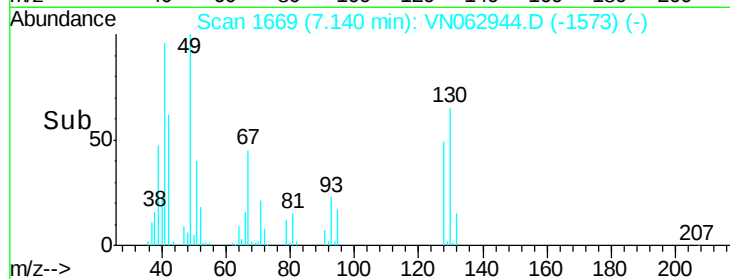
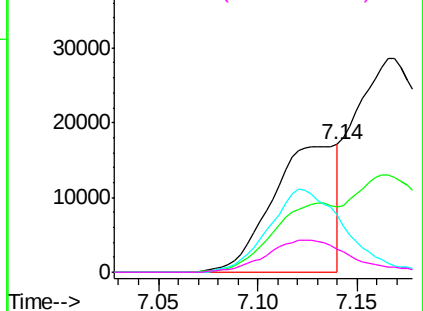


Abundance Ion 41.00 (40.70 to 41.70): VN062756.D (-1645) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-1645) (-)

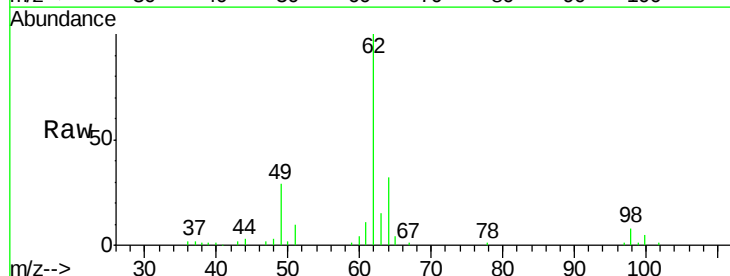
Ion 67.00 (66.70 to 67.70): VN062756.D (-1645) (-)

Ion 52.00 (51.70 to 52.70): VN062756.D (-1645) (-)



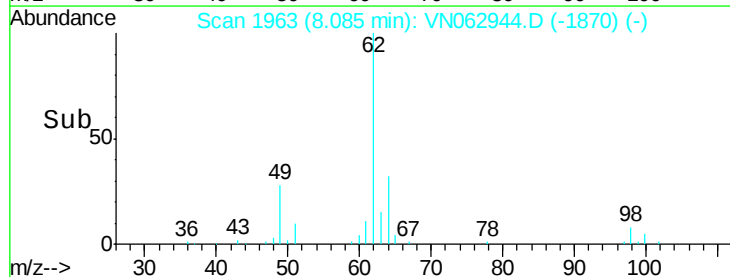
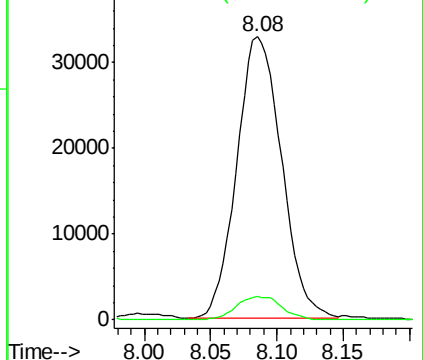
#42
1,2-Dichloroethane
Concen: 16.464 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

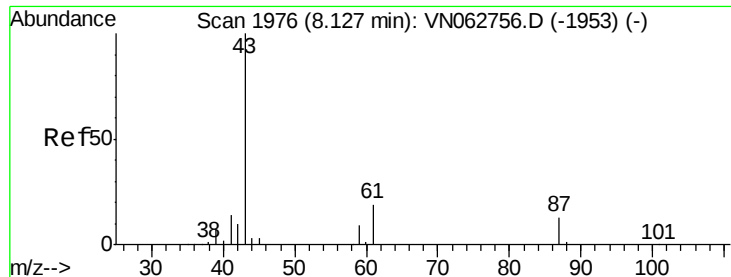
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN062756.D (-1946) (-)

Ion 97.90 (97.60 to 98.60): VN062756.D (-1946) (-)





#43

Isopropyl Acetate

Concen: 18.873 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

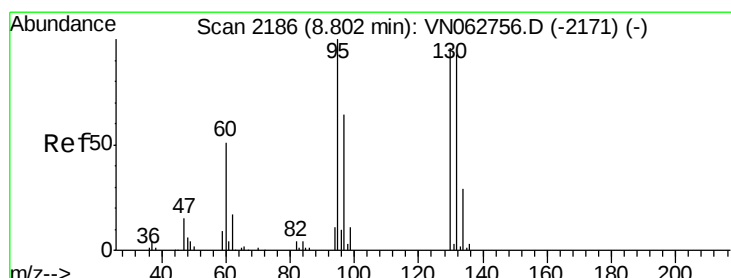
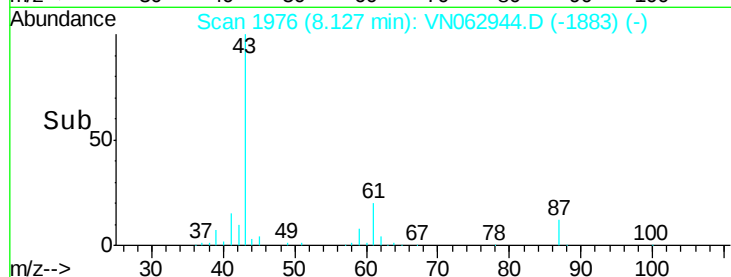
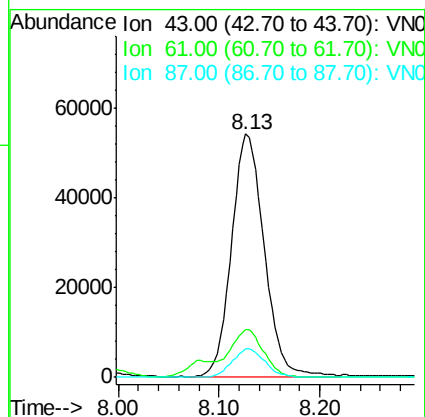
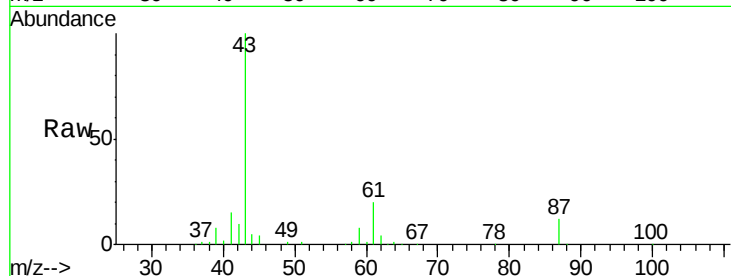
ClientSampleId :

VN0814WBS02

Tot Ion:	43	Resp:	121884
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	11.7	9.9	14.9

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#44

Trichloroethene

Concen: 17.558 ug/l

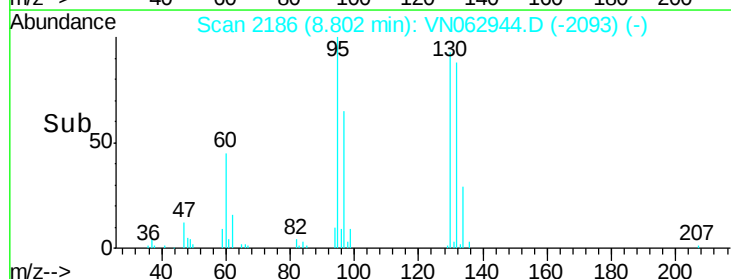
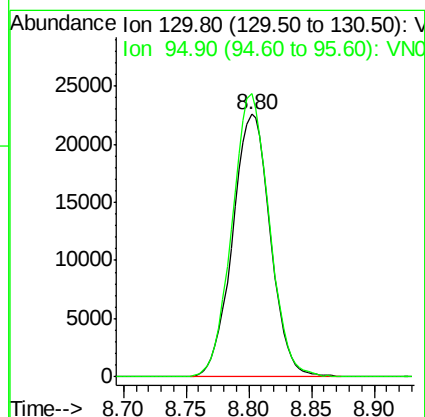
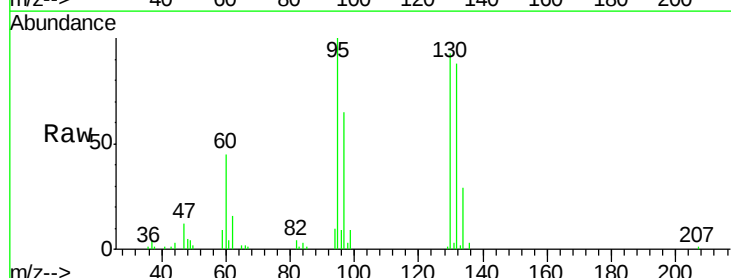
RT: 8.80 min Scan# 2186

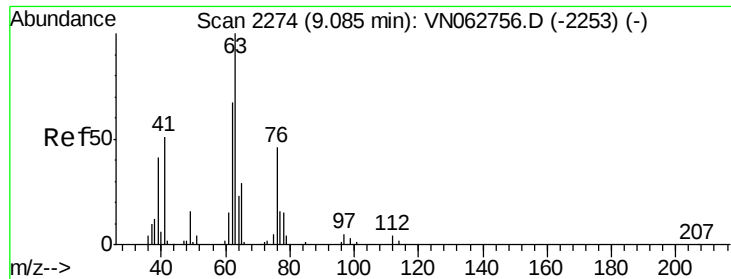
Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion:	130	Resp:	47313
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	207.6





#45

1,2-Dichloropropane

Concen: 20.500 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 63 Resp: 61368

Ion Ratio Lower Upper

63 100

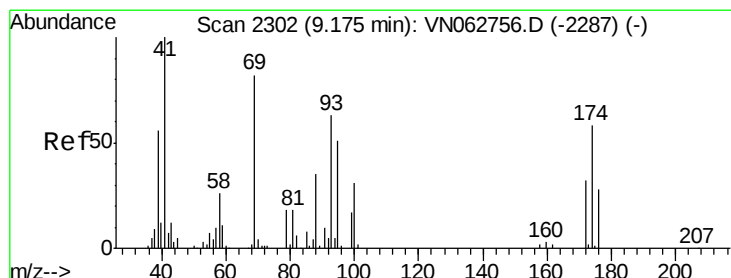
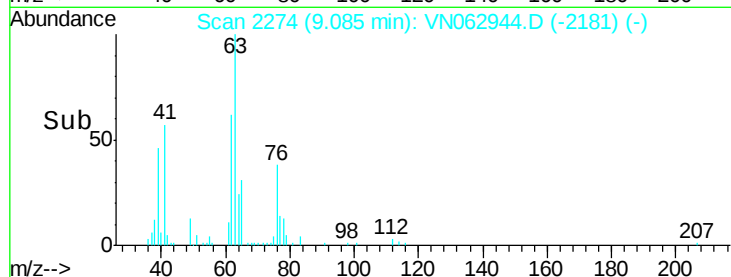
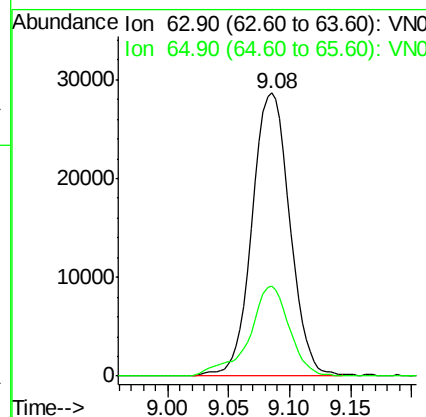
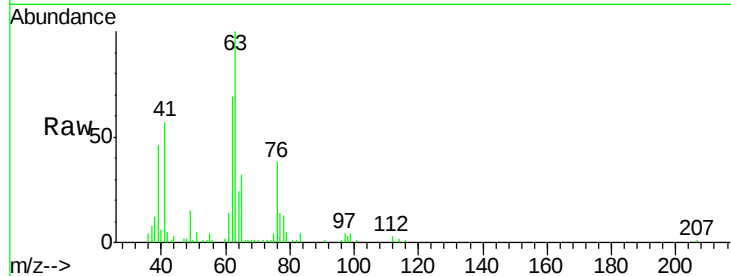
65 31.6 23.5 35.3

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8/17/2020 11:43:44 AM



#46

Dibromomethane

Concen: 18.930 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

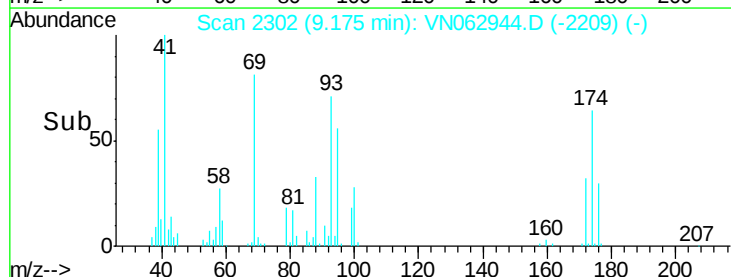
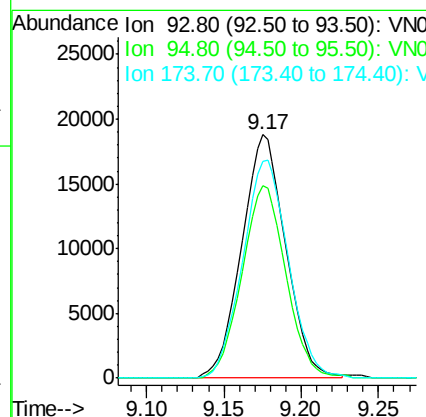
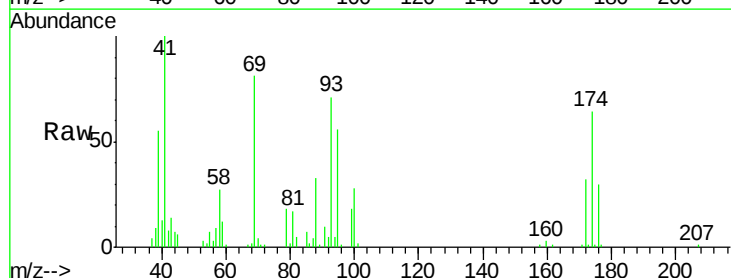
Tgt Ion: 93 Resp: 37130

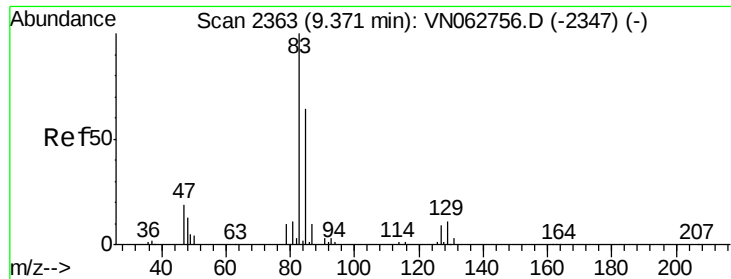
Ion Ratio Lower Upper

93 100

95 79.0 65.1 97.7

174 93.2 73.9 110.9





#47

Bromodichloromethane

Concen: 18.003 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

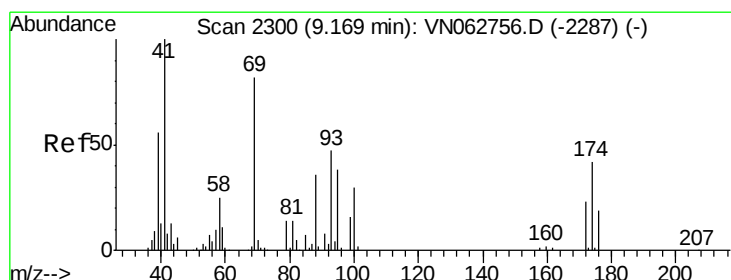
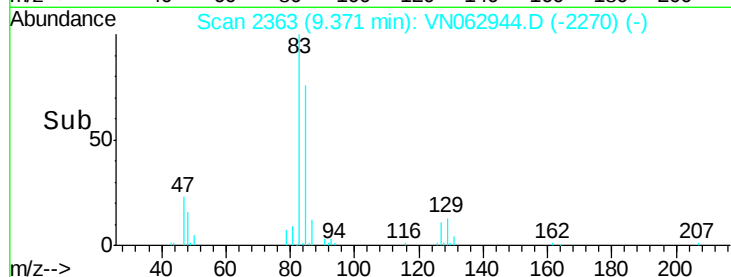
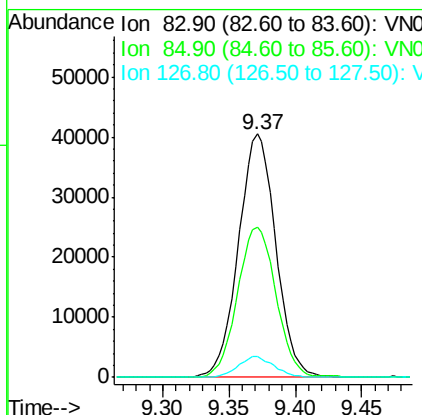
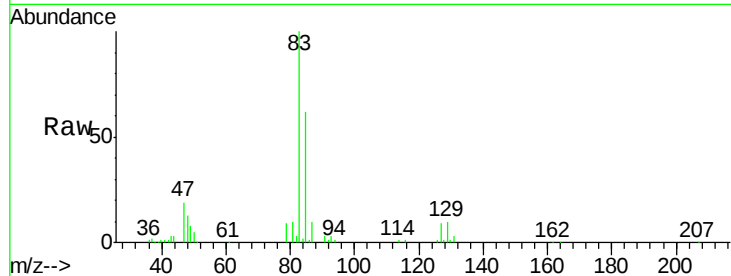
ClientSampleId :

VN0814WBS02

Tot Ion:	83	Resp:	79307
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.0
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.293 ug/l

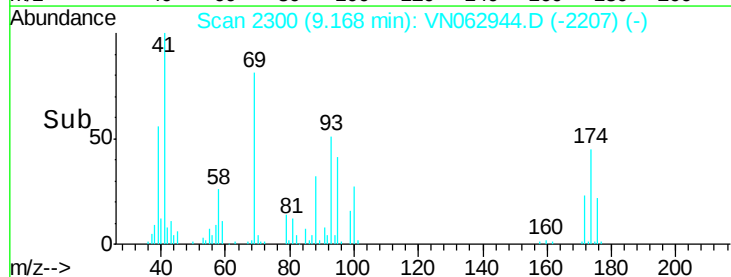
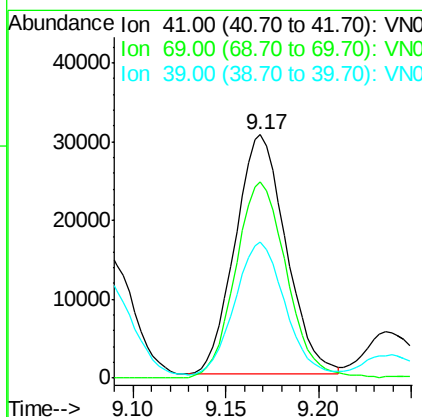
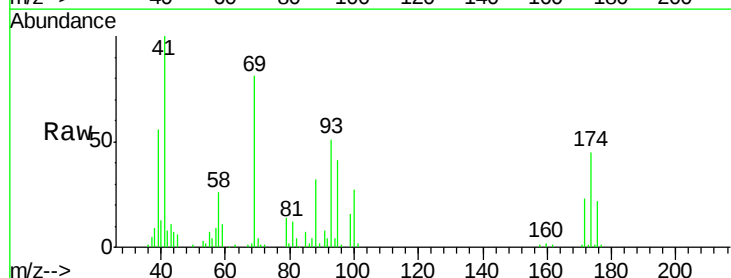
RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion:	41	Resp:	58108
Ion	Ratio	Lower	Upper
41	100		
69	82.5	67.4	101.2
39	56.3	47.6	71.4





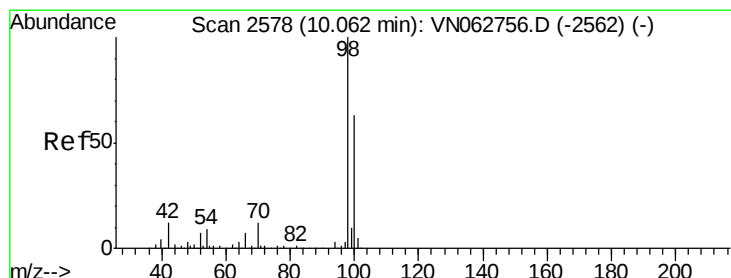
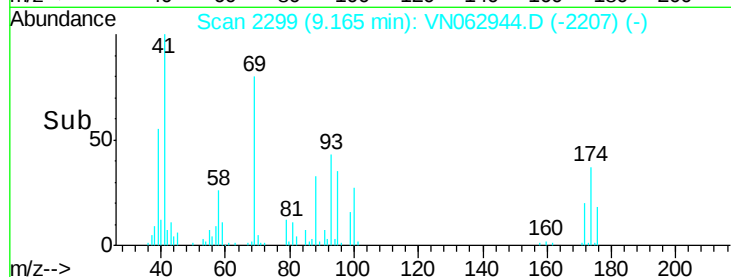
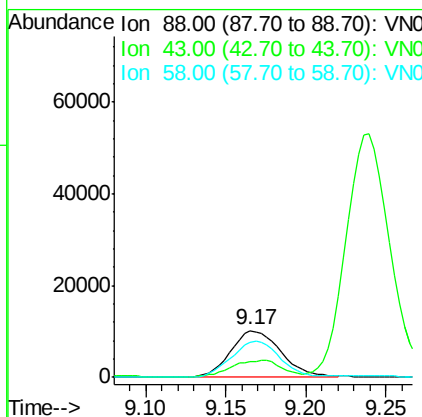
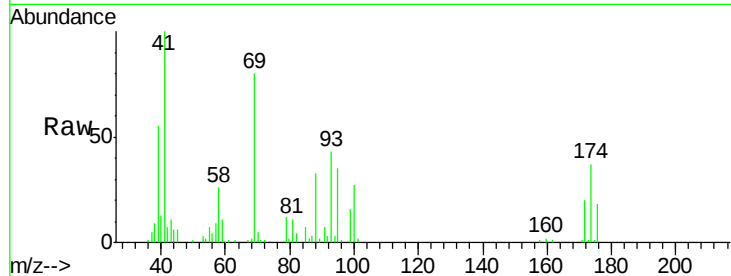
#49
1,4-Dioxane
Concen: 372.382 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.1	29.5	44.3	
58	75.2	59.8	89.8	

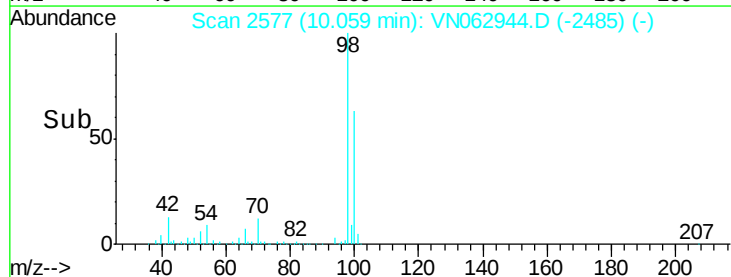
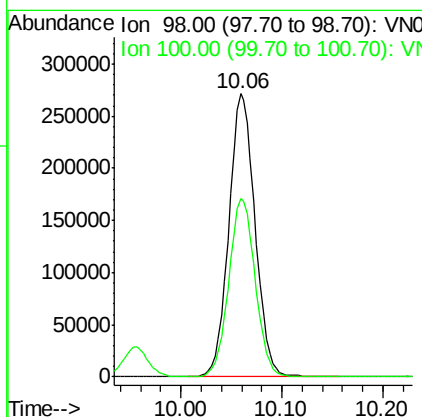
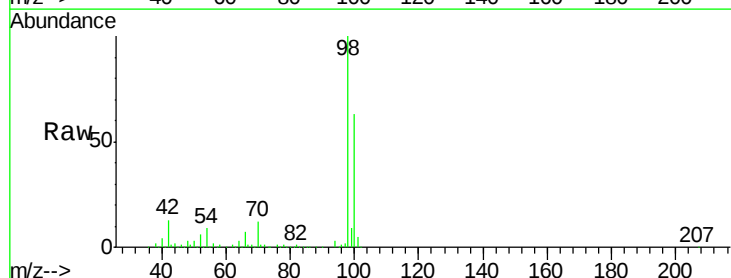
Manual Integrations
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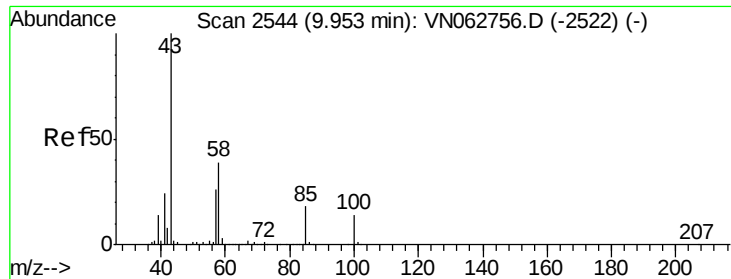
MMDadoda
8/17/2020 11:43:44 AM



#50
Toluene-d8
Concen: 48.317 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.7	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 102.394 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS02

Tot Ion: 43 Resp: 427853

Ion Ratio Lower Upper

43 100

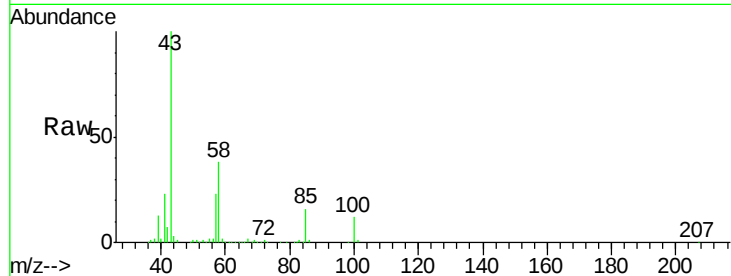
58 37.6 31.1 46.7

Manual Integrations

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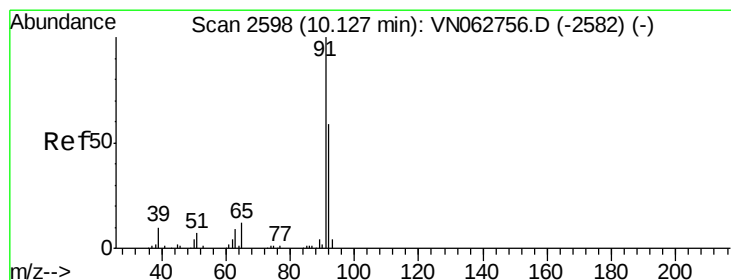
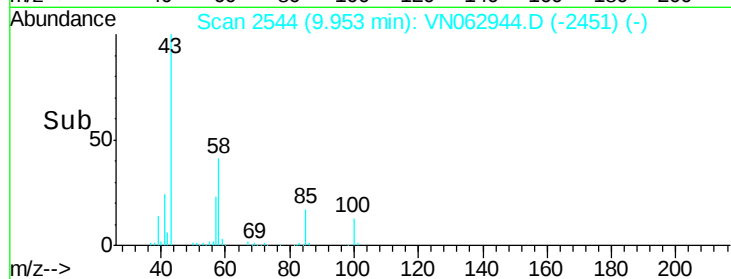
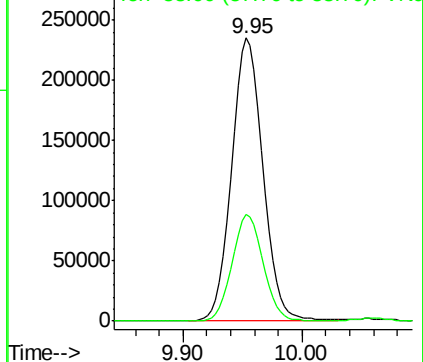
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.116 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062944.D

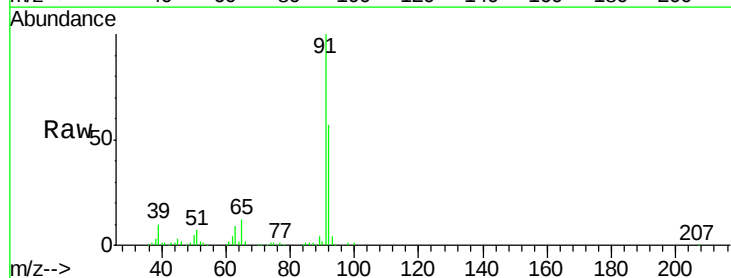
Acq: 14 Aug 2020 19:43

Tgt Ion: 92 Resp: 123714

Ion Ratio Lower Upper

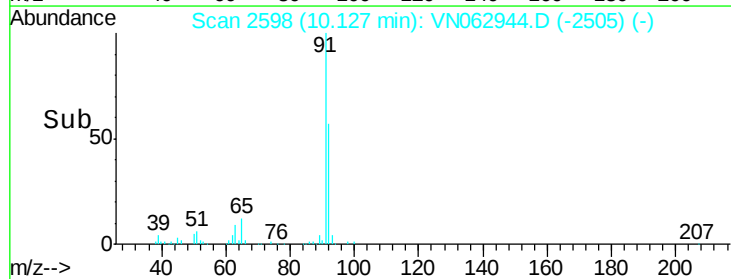
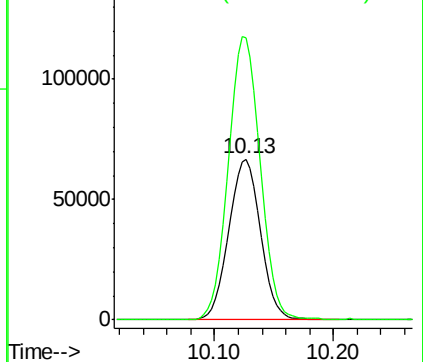
92 100

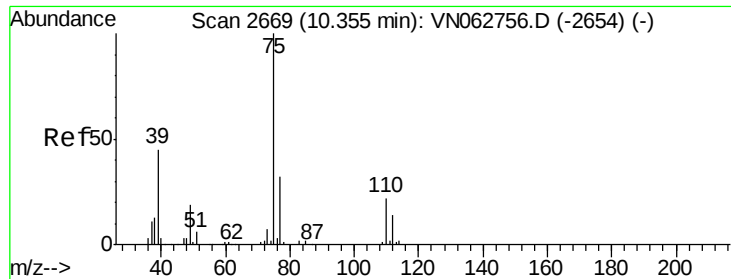
91 176.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 16.700 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS02

Tot Ion: 75 Resp: 80923

Ion Ratio Lower Upper

75 100

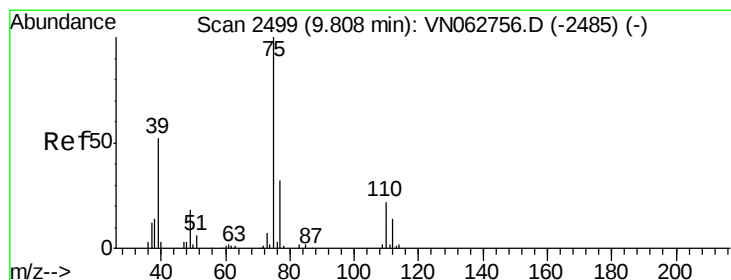
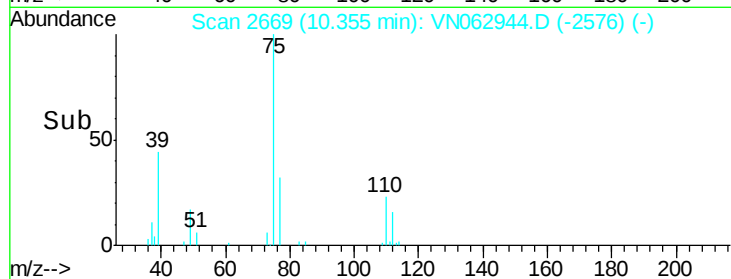
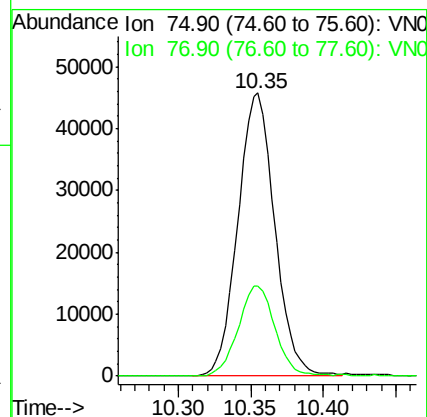
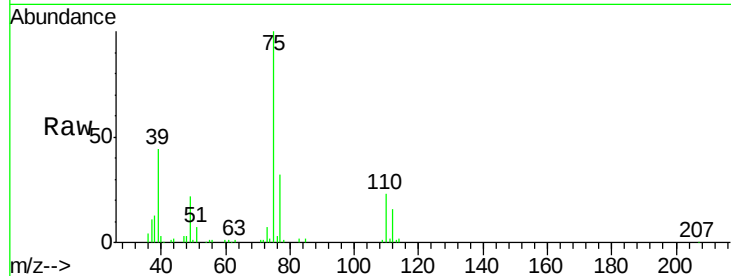
77 32.0 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 18.075 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

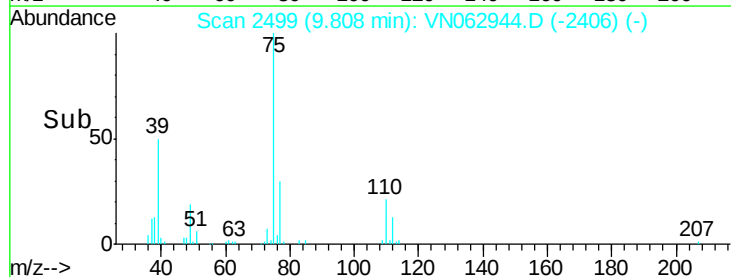
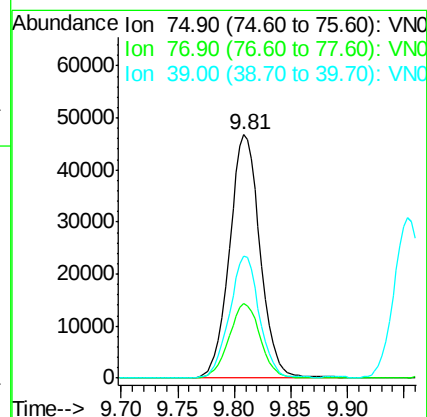
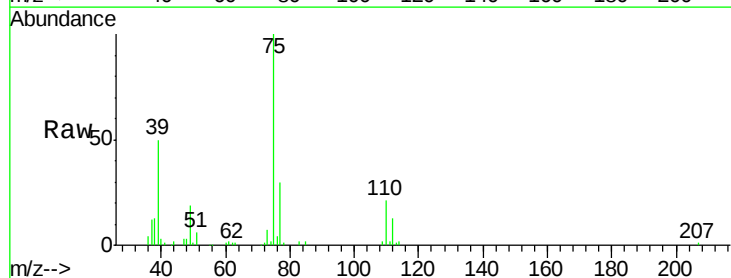
Tgt Ion: 75 Resp: 87935

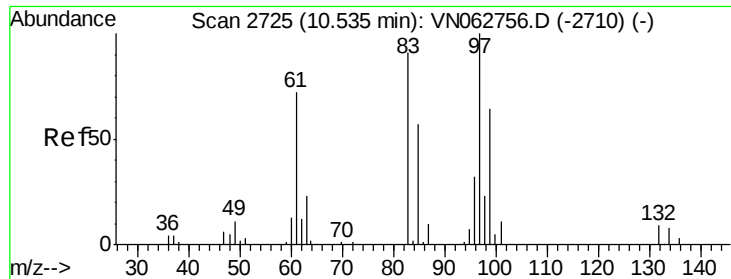
Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

39 49.9 41.9 62.9





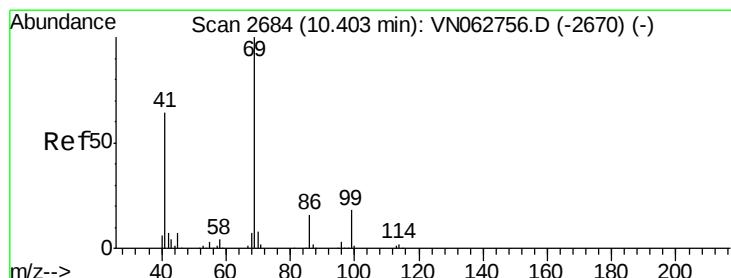
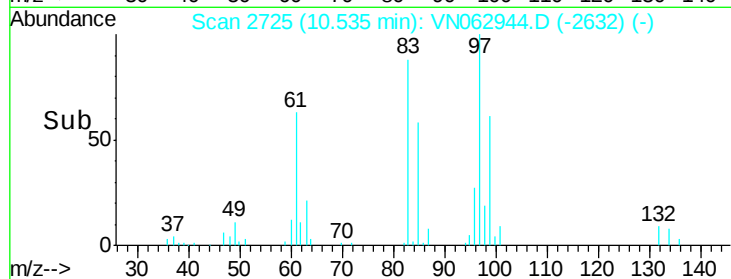
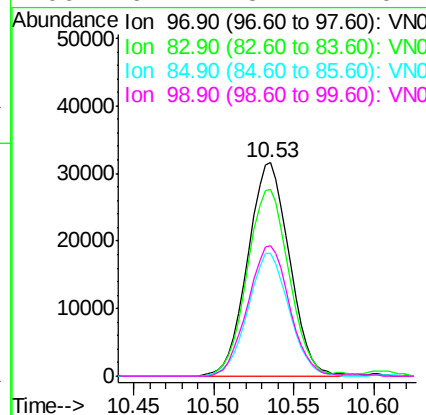
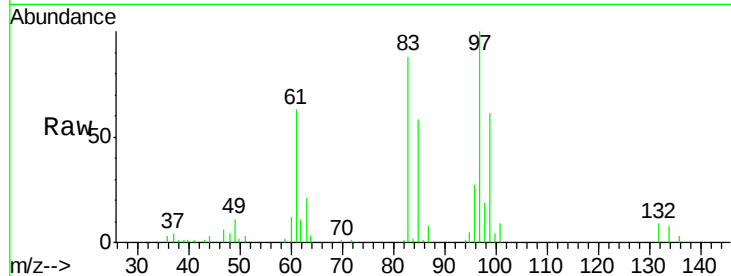
#55
 1,1,2-Trichloroethane
 Concen: 19.286 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	97	Resp	56249
Ion	Ratio	Lower	Upper
97	100		
83	87.7	72.6	108.8
85	57.6	46.0	69.0
99	61.2	51.1	76.7

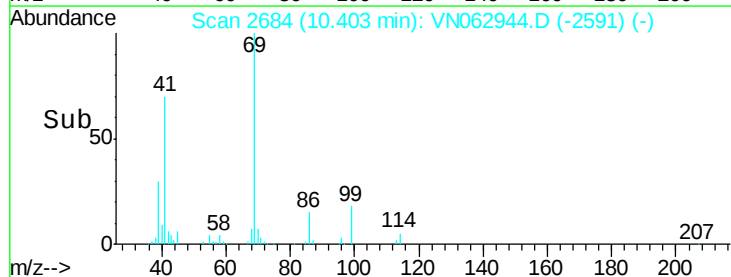
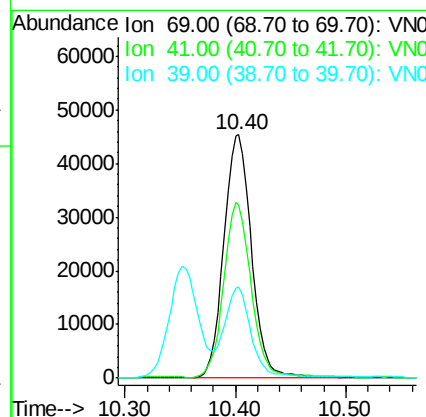
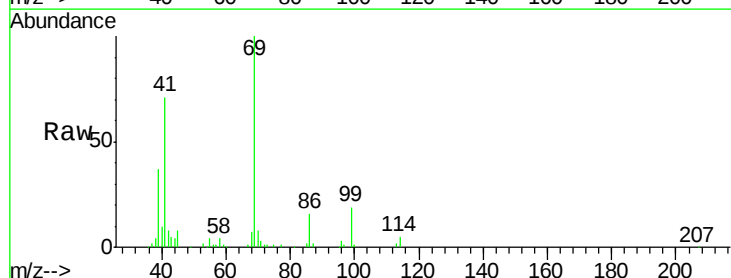
Manual Integrations
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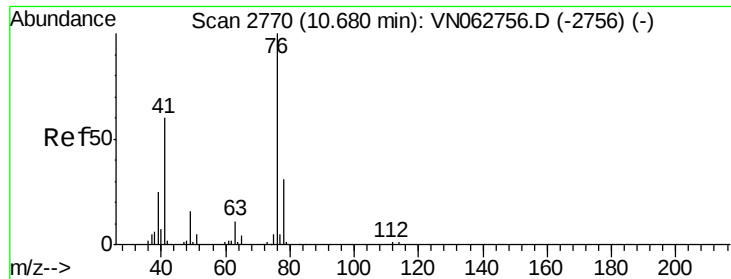
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 8/17/2020 11:43:44 AM



#56
 Ethyl methacrylate
 Concen: 18.017 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	69	Resp	79097
Ion	Ratio	Lower	Upper
69	100		
41	71.2	52.2	78.2
39	35.1	30.9	46.3





#57

1,3-Dichloropropane

Concen: 19.101 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 76 Resp: 94658

Ion Ratio Lower Upper

76 100

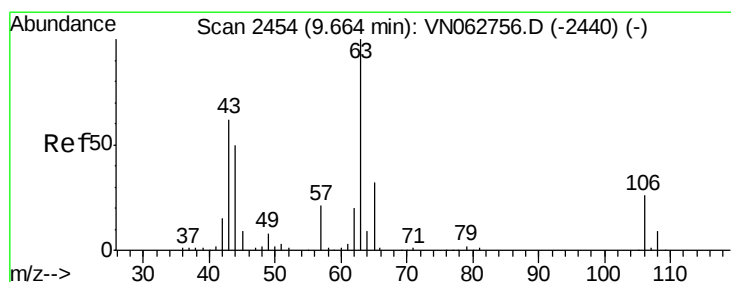
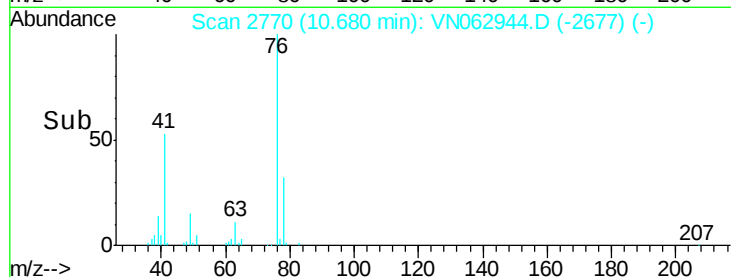
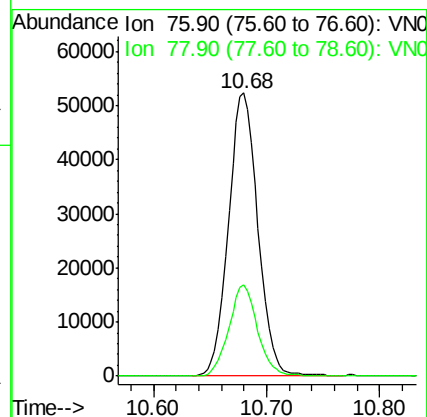
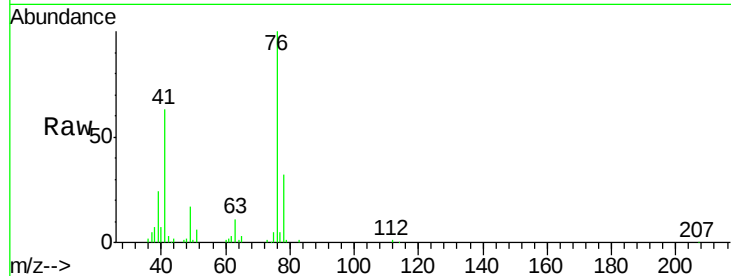
78 31.4 25.4 38.0

Manual Integrations

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MMDadoda

8/17/2020 11:43:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 72.627 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062944.D

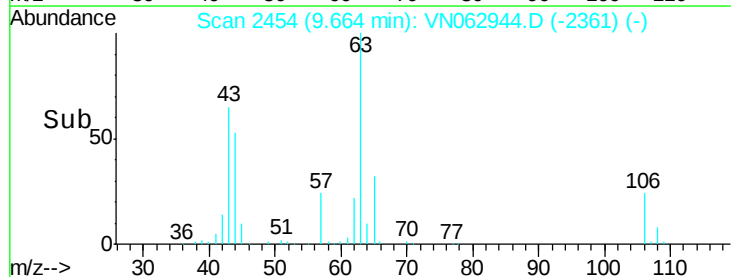
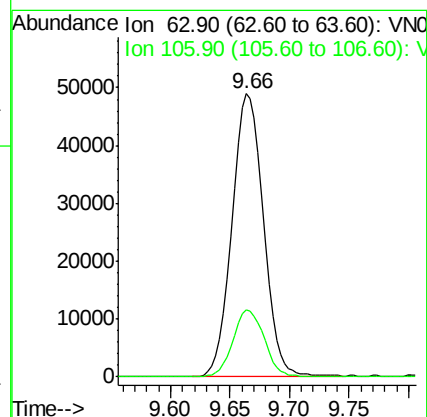
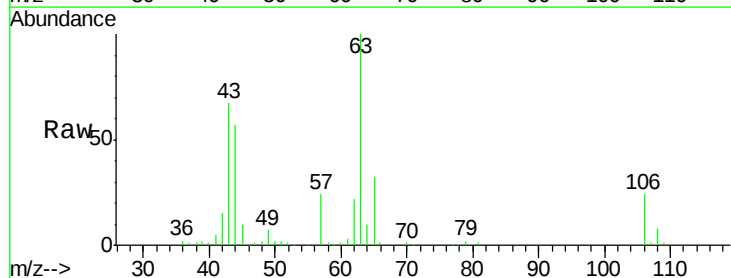
Acq: 14 Aug 2020 19:43

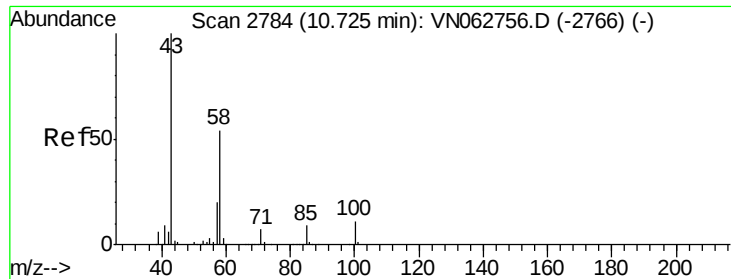
Tgt Ion: 63 Resp: 90123

Ion Ratio Lower Upper

63 100

106 23.4 20.9 31.3





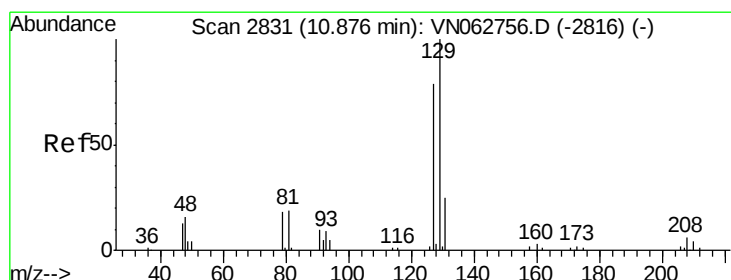
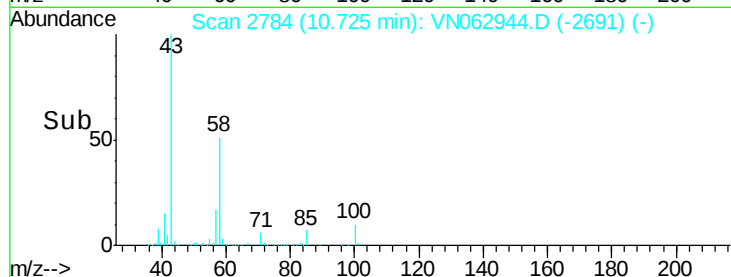
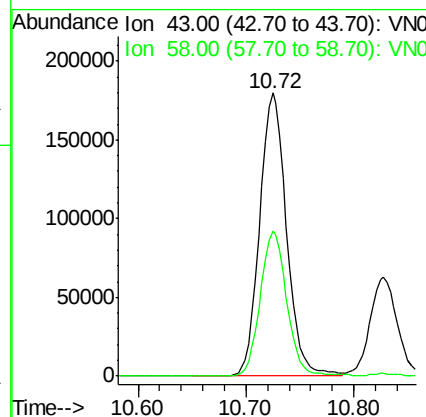
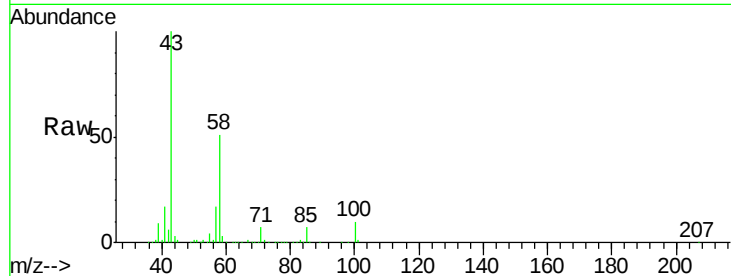
#59
2-Hexanone
Concen: 99.813 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampled :
VN0814WBS02

Tot Ion: 43 Resp: 311107
Ion Ratio Lower Upper
43 100
58 50.1 26.7 80.1

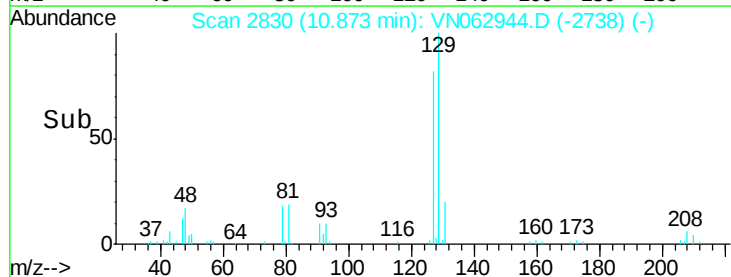
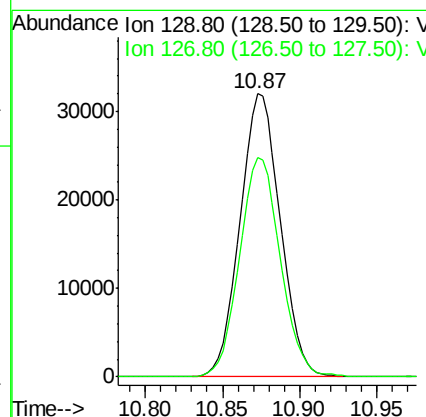
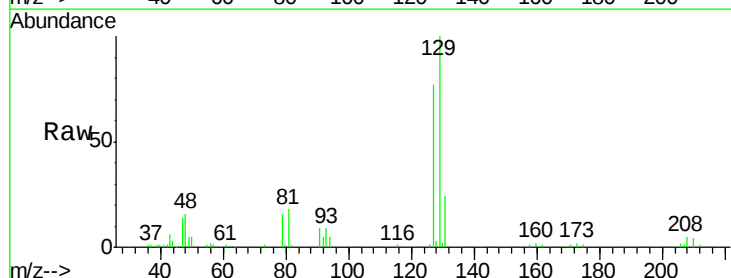
Manual Integrations
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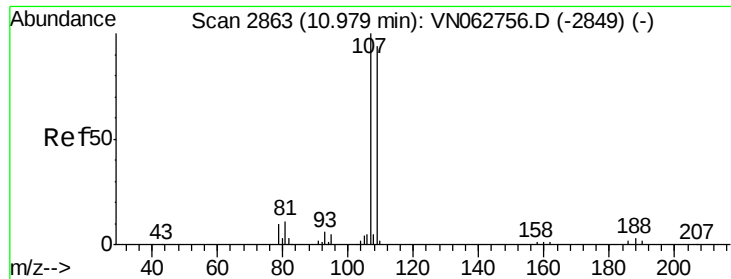
MMDadoda
8/17/2020 11:43:44 AM



#60
Dibromochloromethane
Concen: 17.398 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion: 129 Resp: 57907
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.2





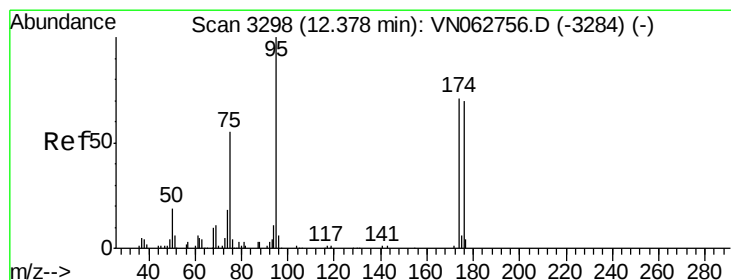
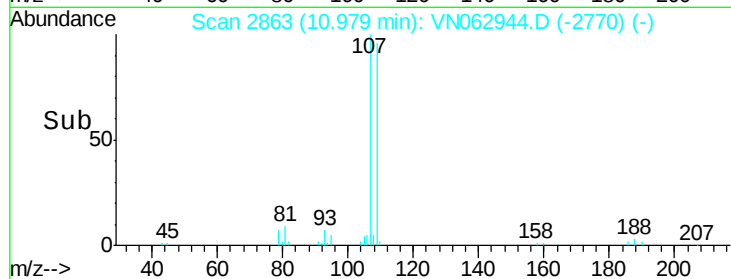
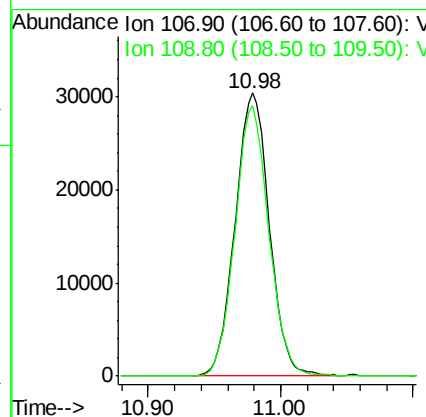
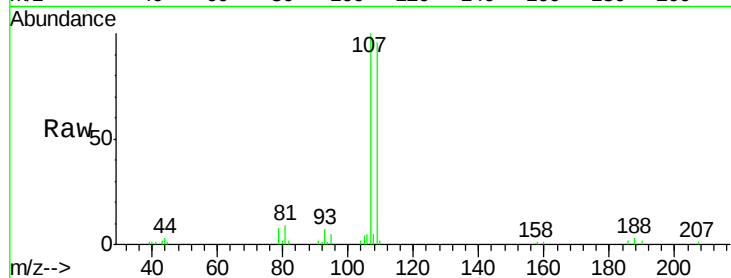
#61
 1,2-Dibromoethane
 Concen: 18.891 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

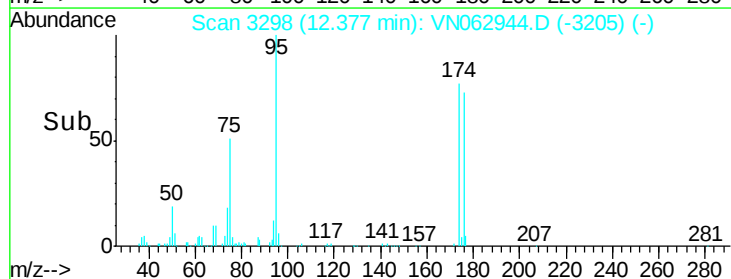
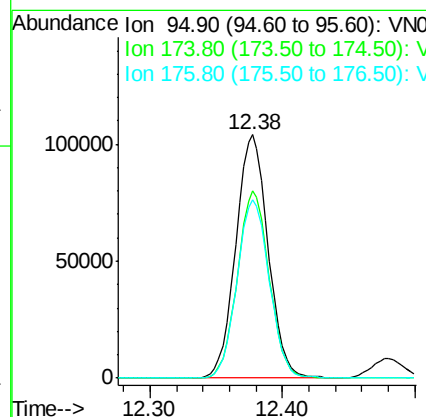
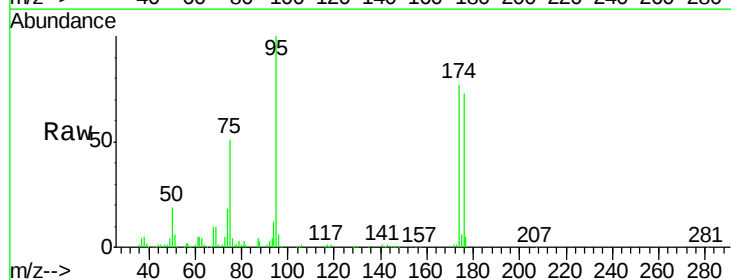
Manual Integrations
 APPROVED

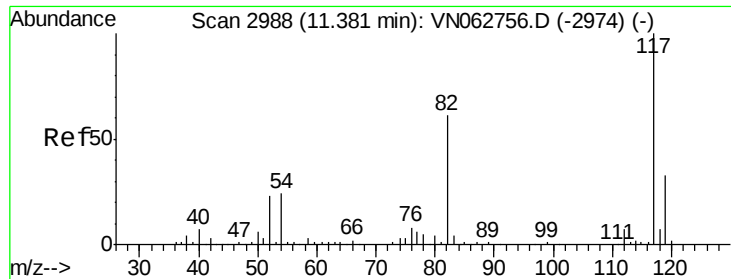
MMDadoda
 8/17/2020 11:43:44 AM



#62
 4-Bromofluorobenzene
 Concen: 45.833 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	144.8
176	73.3	0.0	142.2





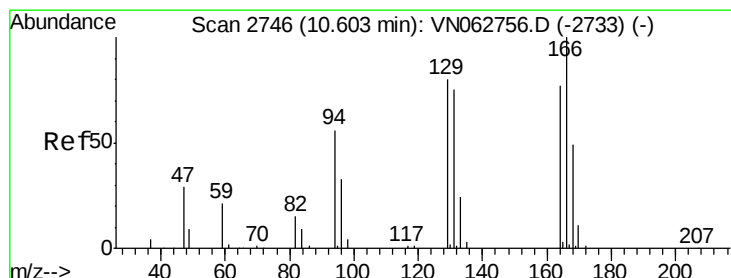
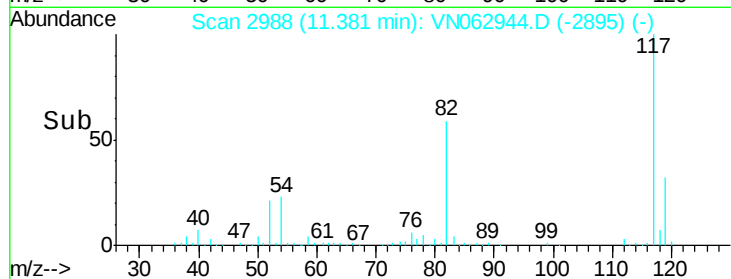
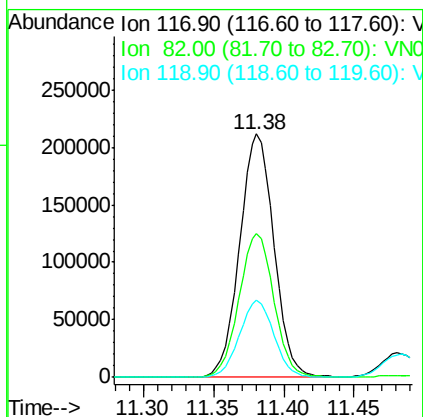
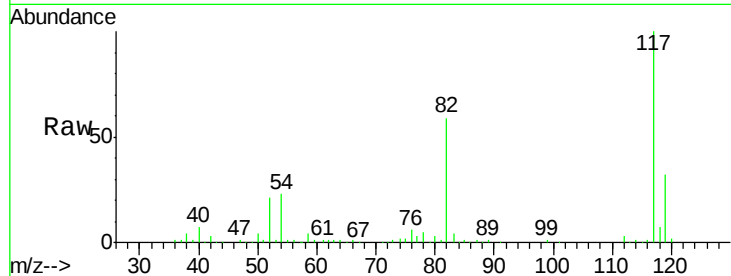
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	49.0	73.4
119	31.6	26.2	39.2

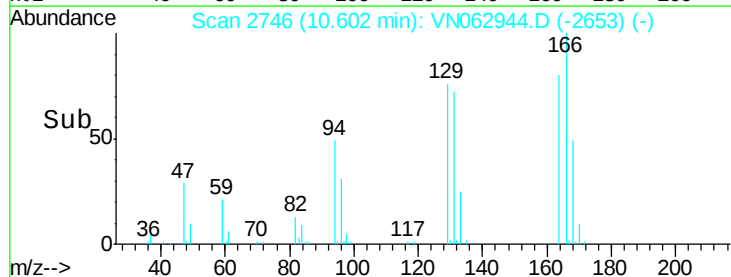
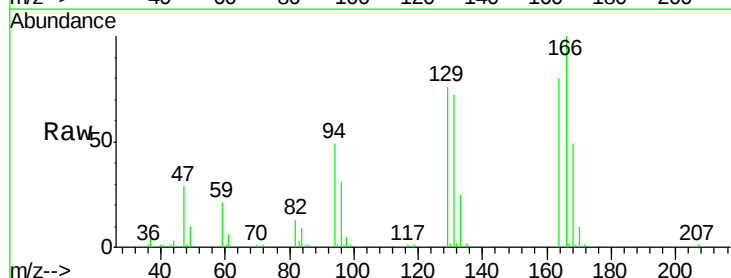
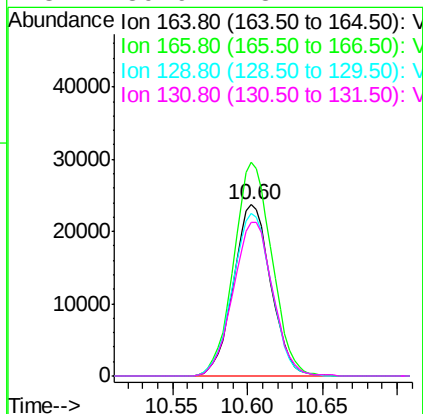
Manual Integrations
APPROVED

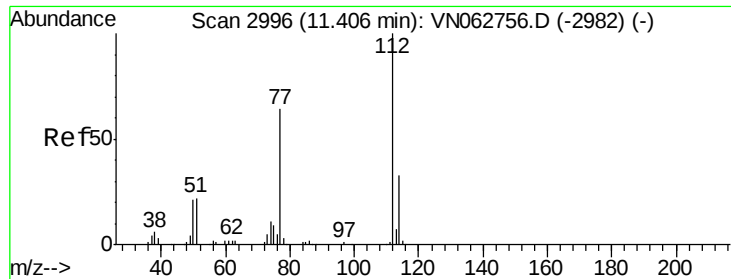
MMDadoda
8/17/2020 11:43:44 AM



#64
Tetrachloroethene
Concen: 17.700 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.8	155.8
129	94.5	82.7	124.1
131	89.9	78.2	117.2





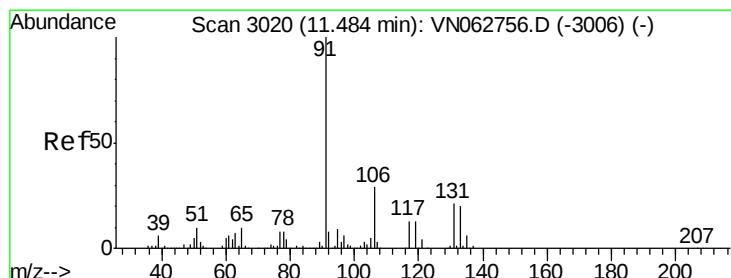
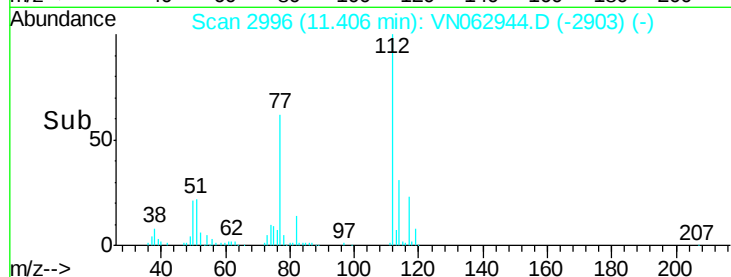
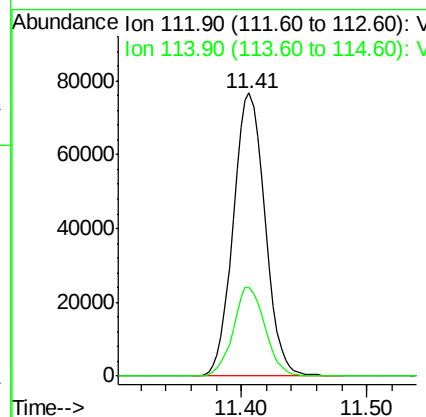
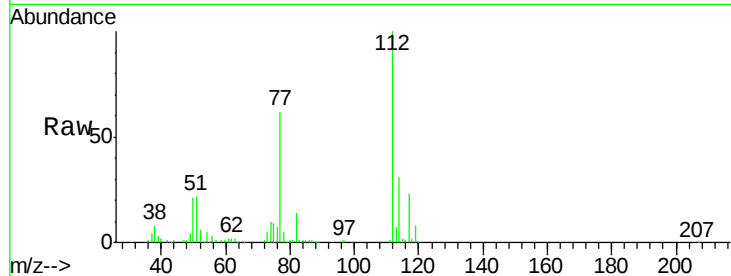
#65
Chlorobenzene
Concen: 17.866 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampled :
VN0814WBS02

Tot Ion:112 Resp: 135085
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4

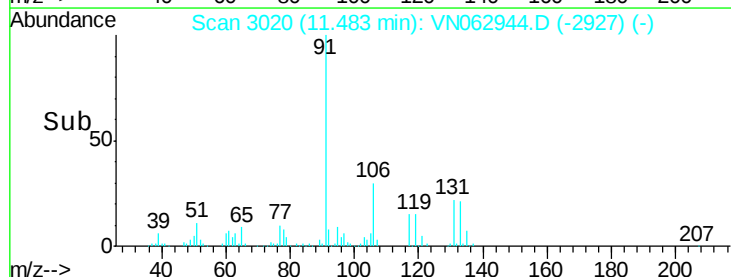
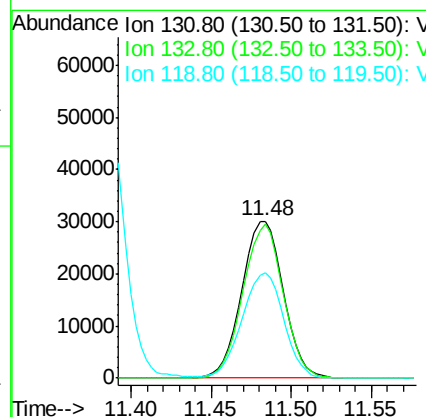
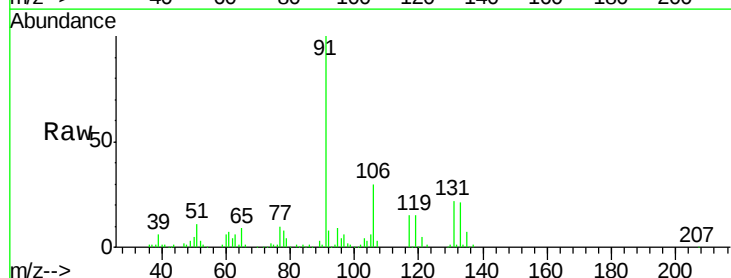
Manual Integrations
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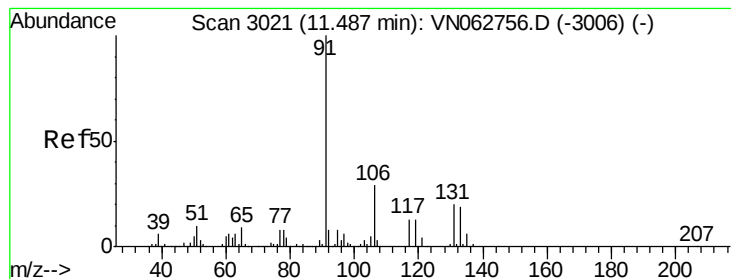
MMDadoda
8/17/2020 11:43:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.525 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion:131 Resp: 53211
Ion Ratio Lower Upper
131 100
133 95.4 48.6 145.8
119 67.5 32.2 96.6





#67

Ethyl Benzene

Concen: 17.182 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS02

Tot Ion: 91 Resp: 232484

Ion Ratio Lower Upper

91 100

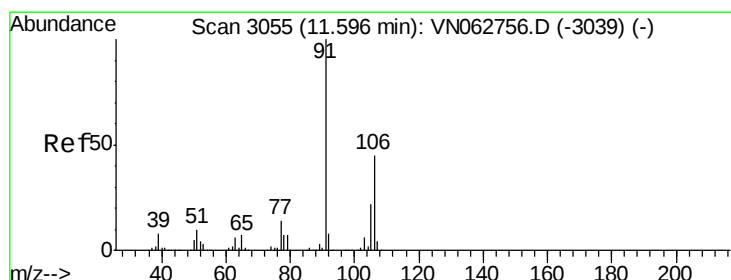
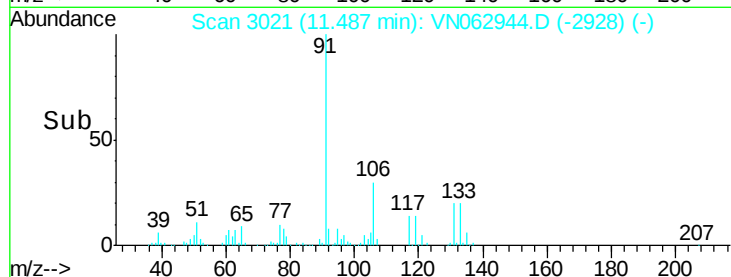
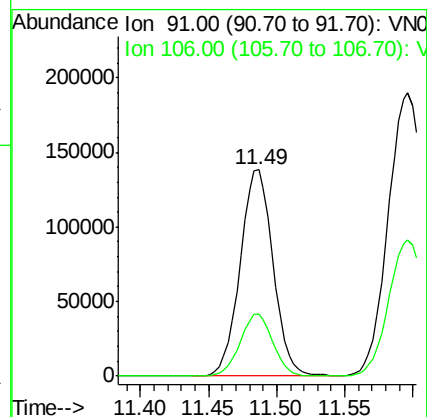
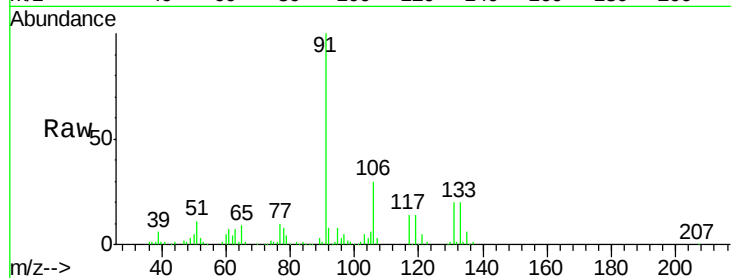
106 30.3 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

8/17/2020 11:43:44 AM



#68

m/p-Xylenes

Concen: 35.592 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062944.D

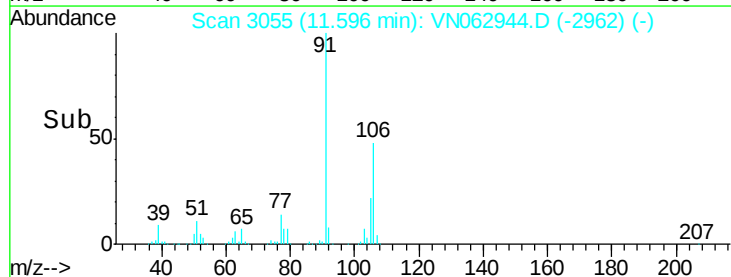
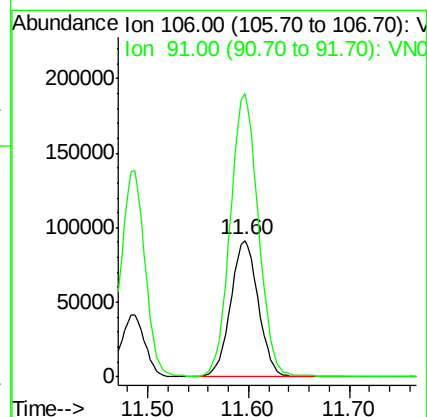
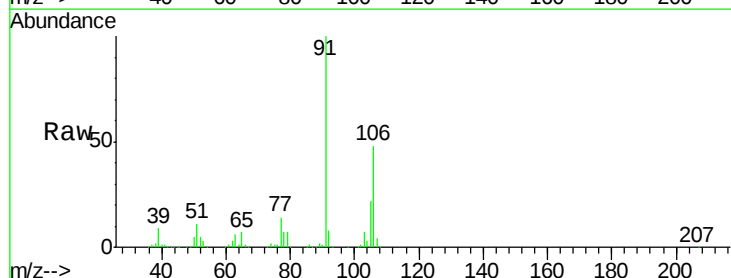
Acq: 14 Aug 2020 19:43

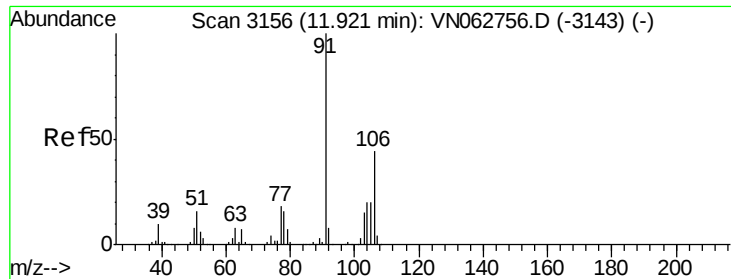
Tgt Ion: 106 Resp: 174815

Ion Ratio Lower Upper

106 100

91 210.3 175.9 263.9





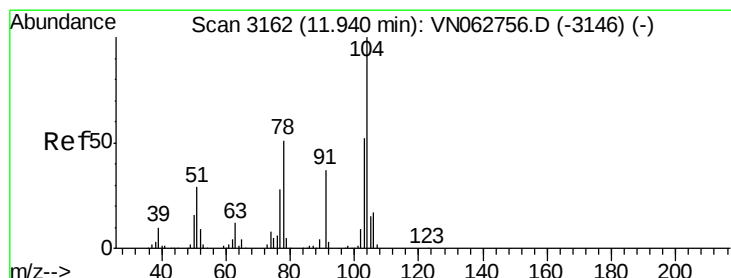
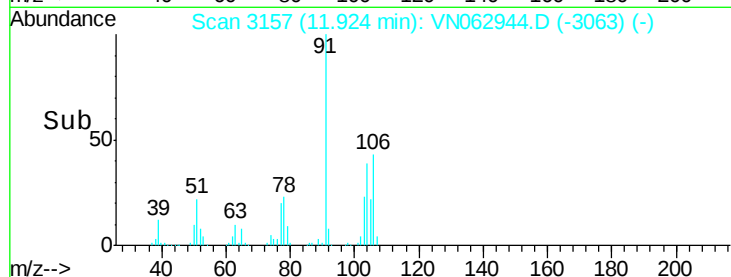
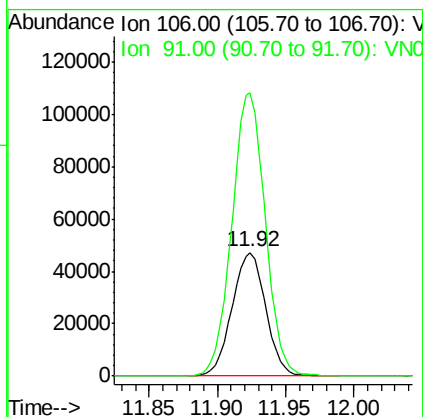
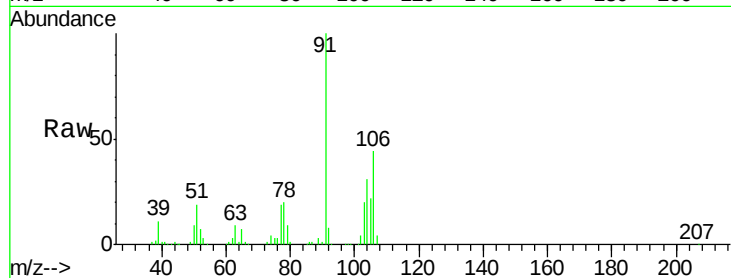
#69
o-Xylene
Concen: 17.576 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		80901		
91	227.0	115.8	347.4		

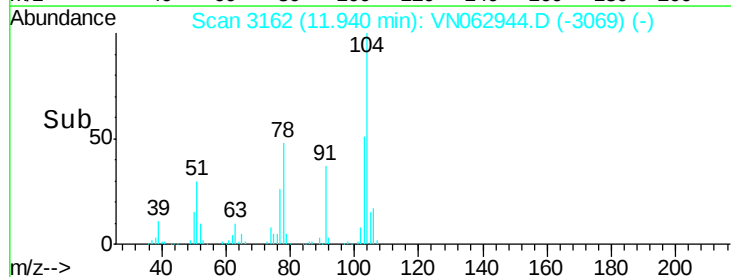
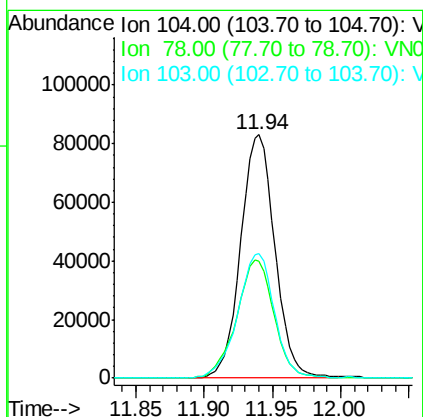
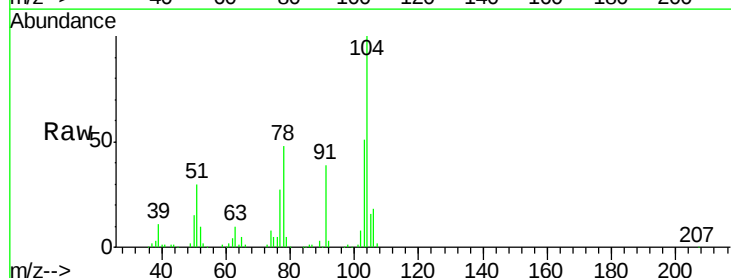
Manual Integrations
APPROVED

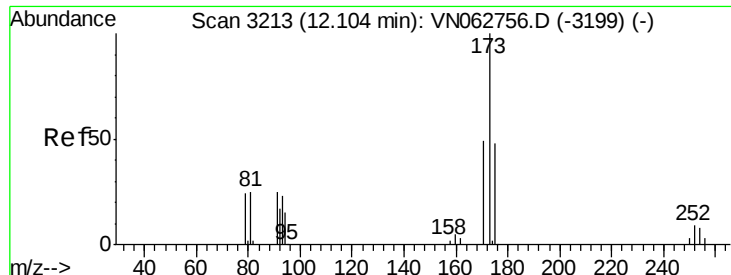
MMDadoda
8/17/2020 11:43:44 AM



#70
Styrene
Concen: 17.937 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		145124		
78	53.2	45.9	68.9		
103	54.6	45.1	67.7		





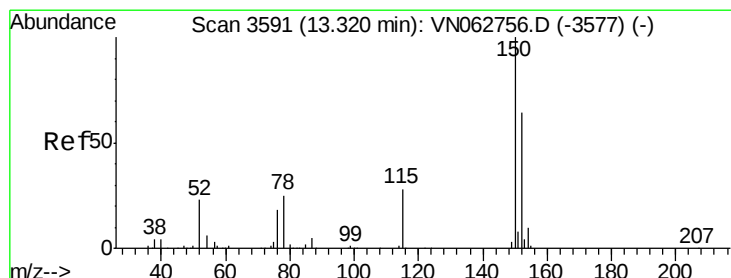
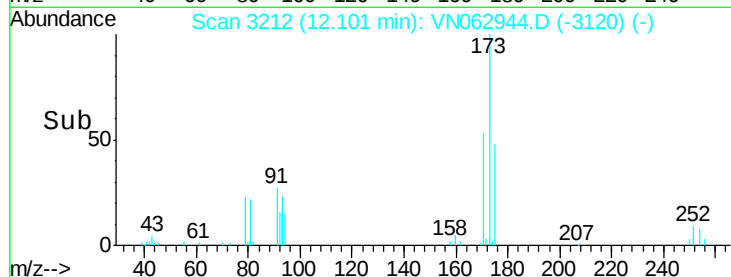
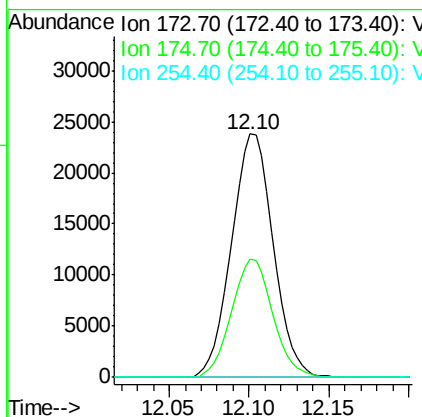
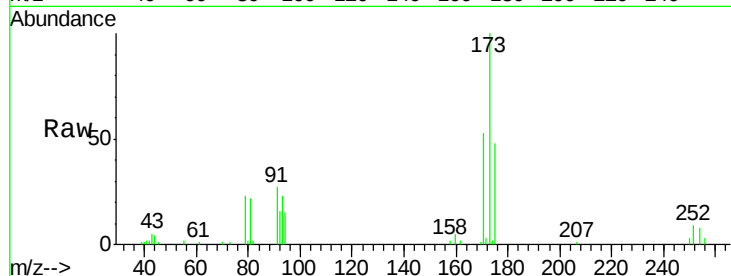
#71
Bromoform
Concen: 17.027 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.0	72.0
254	0.0	0.0	0.0

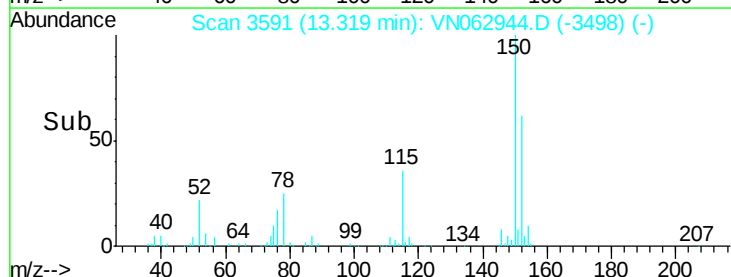
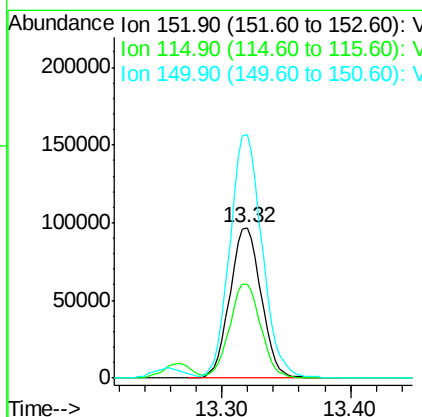
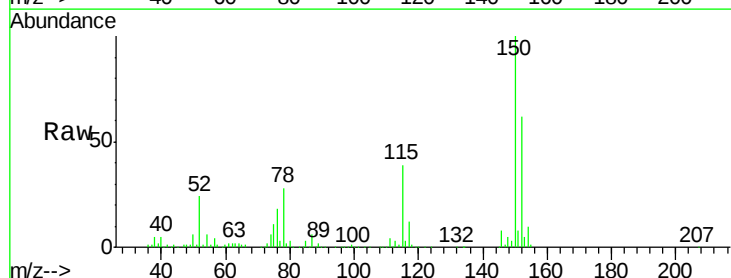
Manual Integrations
APPROVED

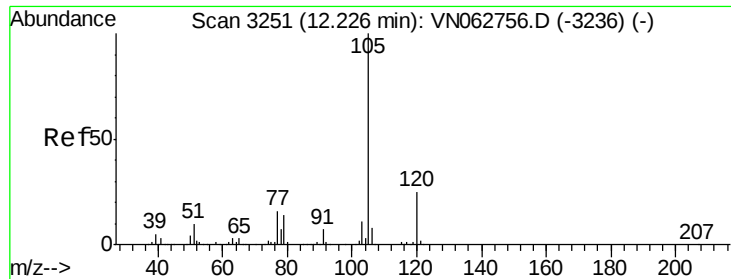
MMDadoda
8/17/2020 11:43:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.6	94.8
150	165.5	0.0	349.2





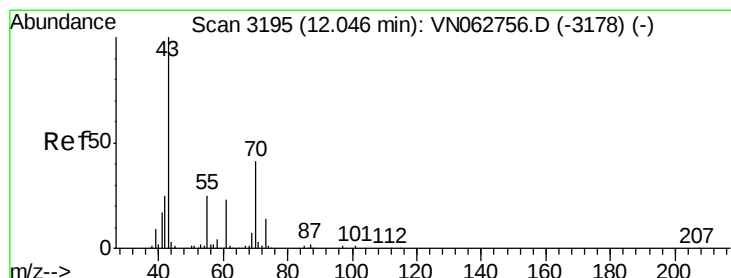
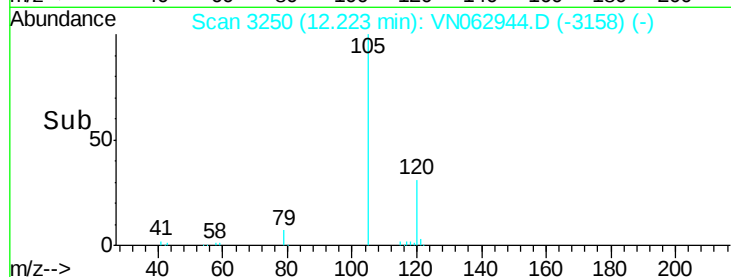
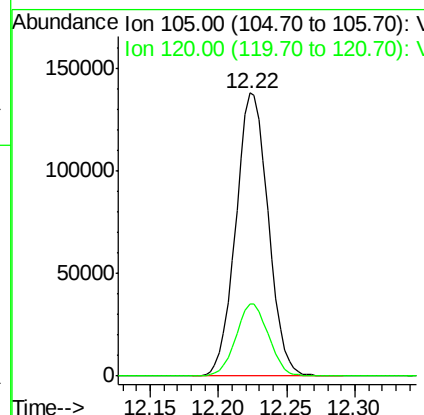
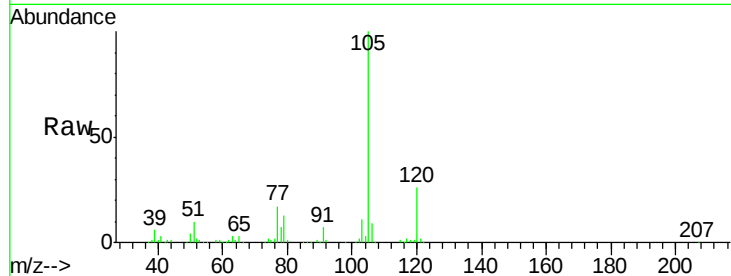
#73
Isopropylbenzene
Concen: 18.473 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.6	37.8

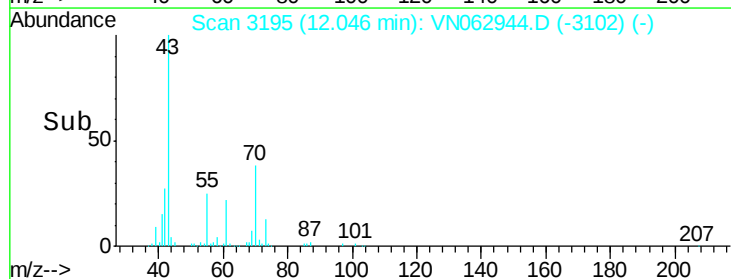
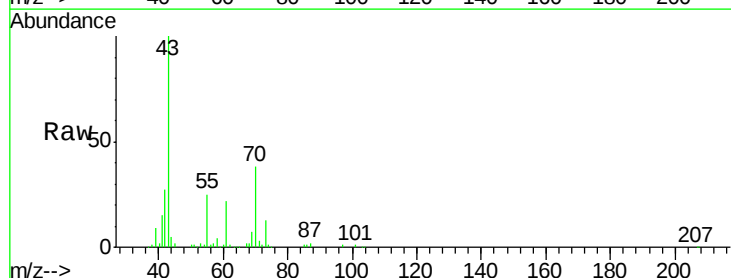
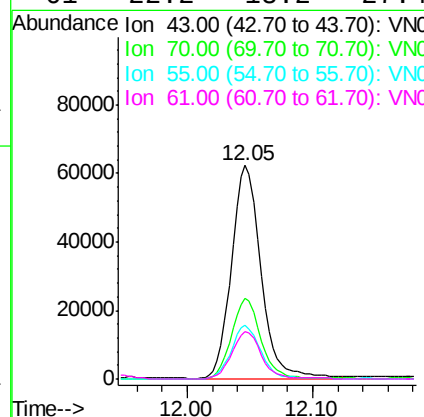
Manual Integrations
APPROVED

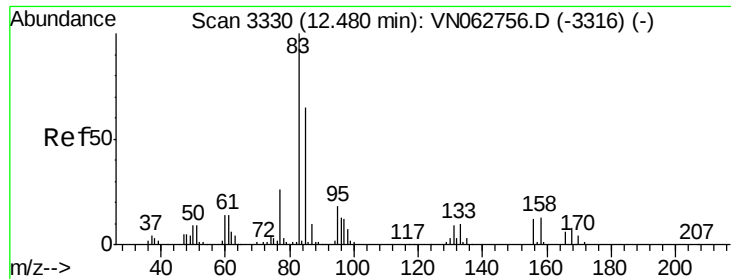
MMDadoda
8/17/2020 11:43:44 AM



#74
N-ethyl acetate
Concen: 20.345 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.4	32.3	48.5
55	25.5	20.2	30.2
61	22.2	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.385 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

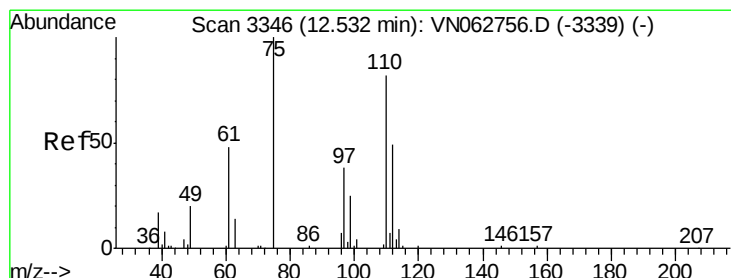
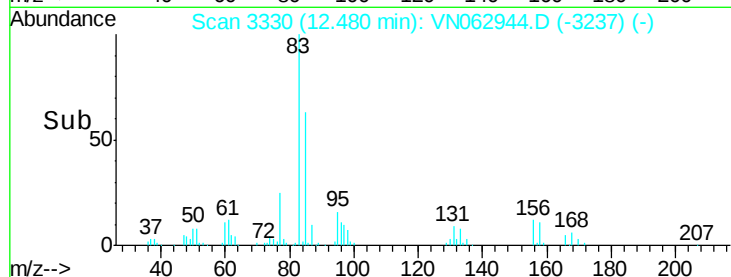
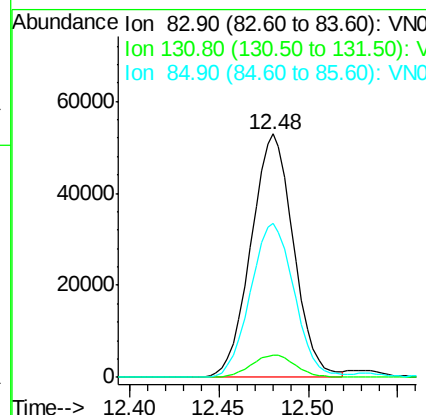
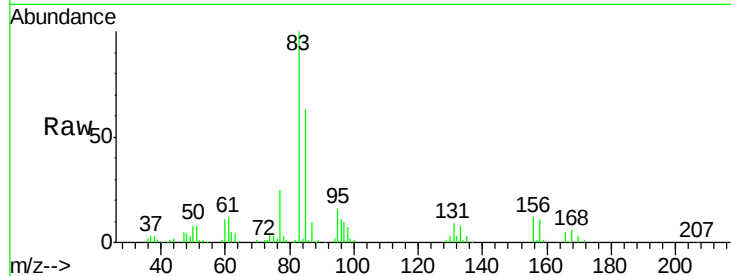
ClientSampleId :

VN0814WBS02

Tot Ion:	83	Resp:	88456
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.4
85	64.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 17.466 ug/l m

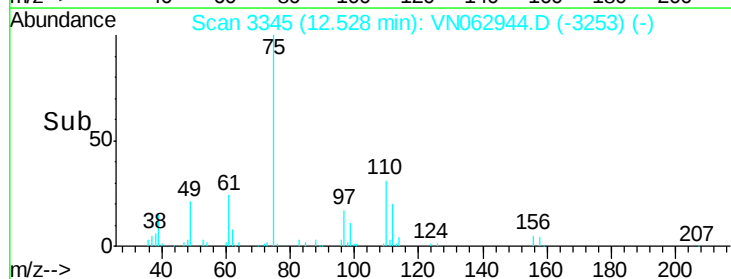
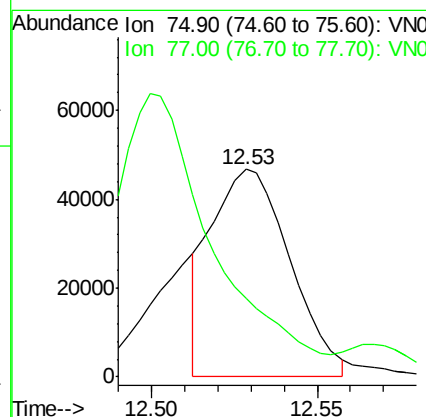
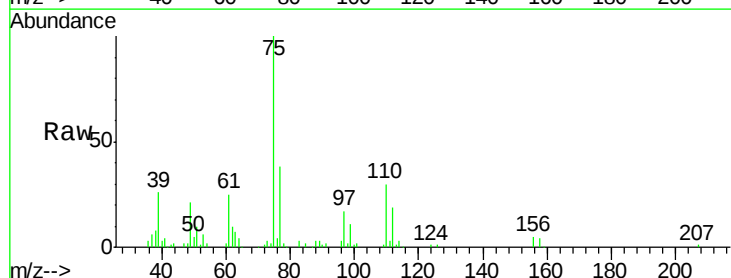
RT: 12.53 min Scan# 3345

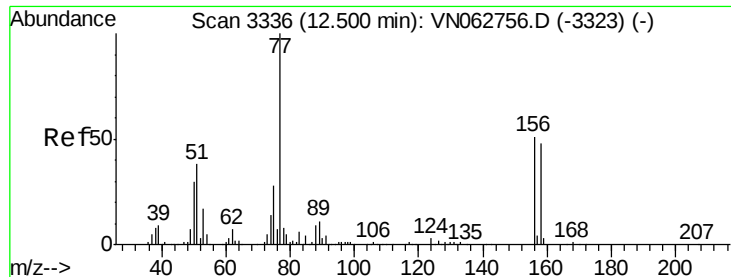
Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion:	75	Resp:	77110
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.161 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

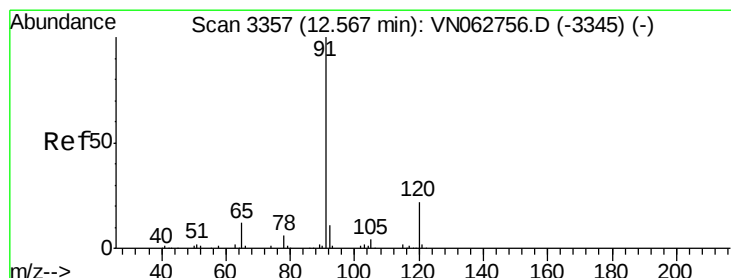
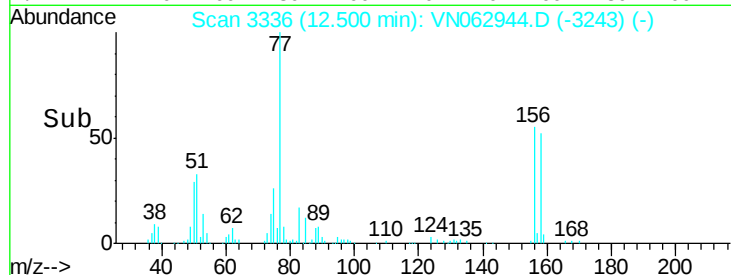
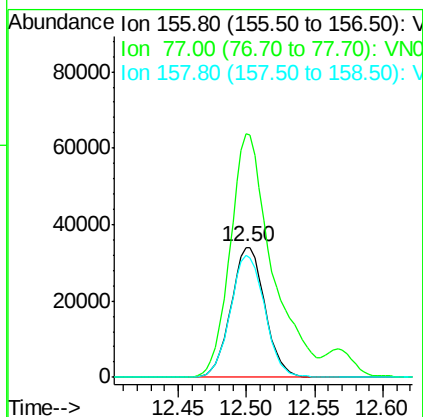
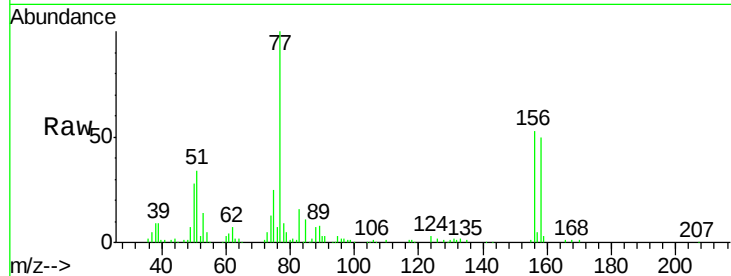
ClientSampleId :

VN0814WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.5	119.7	359.1
158	95.1	48.1	144.3

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#78

n-propylbenzene

Concen: 18.592 ug/l

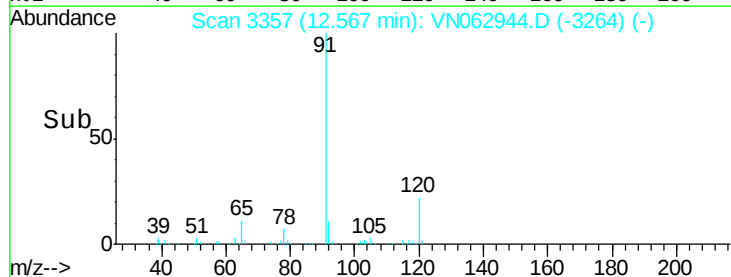
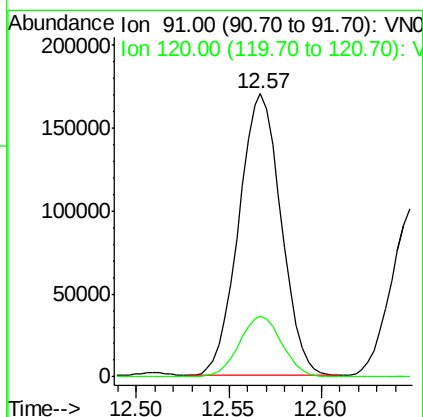
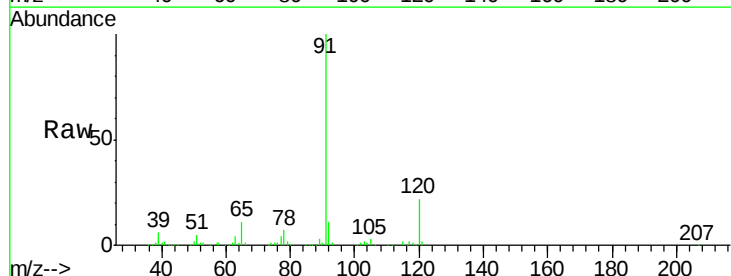
RT: 12.57 min Scan# 3357

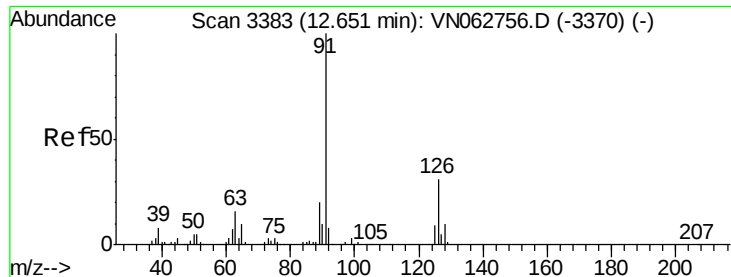
Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 18.564 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS02

Tot Ion: 91 Resp: 168442

Ion Ratio Lower Upper

91 100

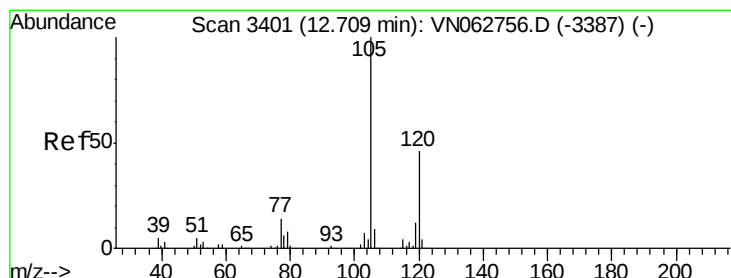
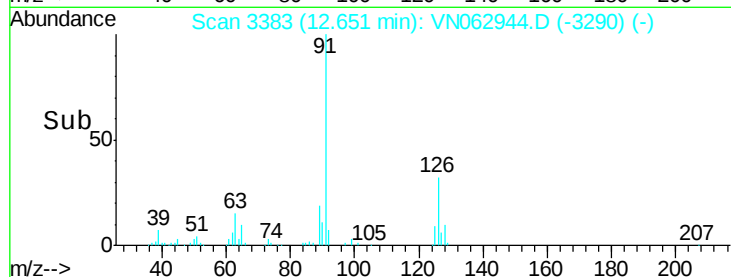
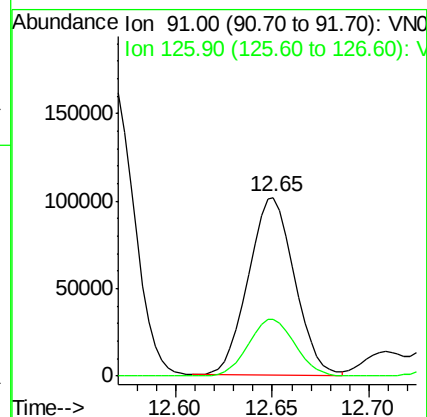
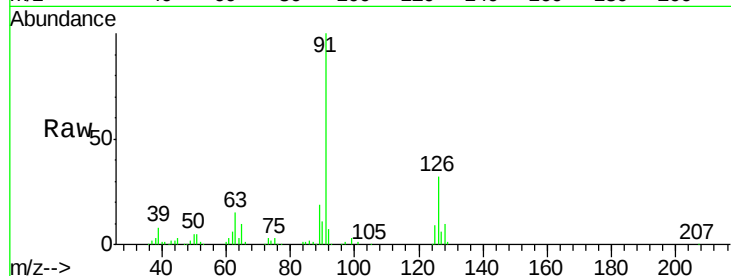
126 32.5 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 18.369 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062944.D

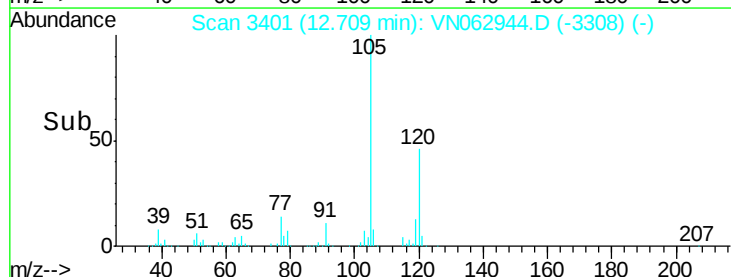
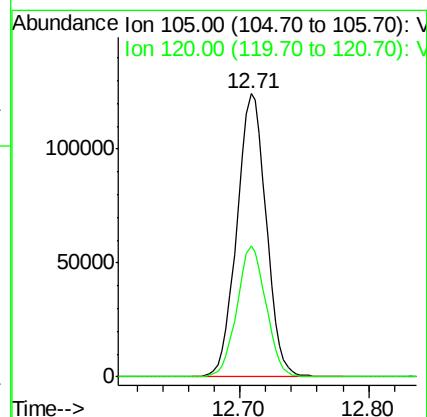
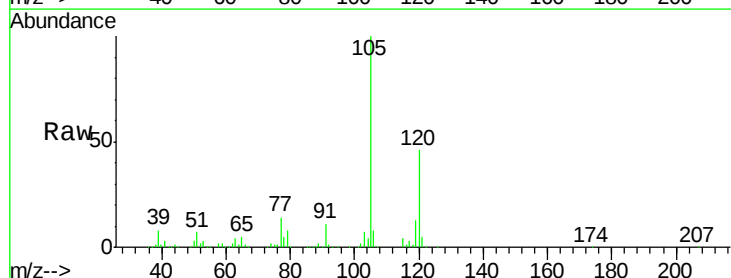
Acq: 14 Aug 2020 19:43

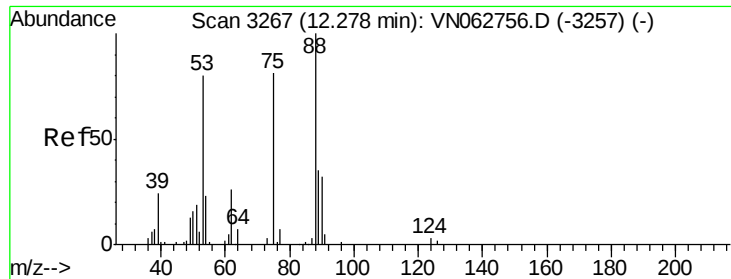
Tgt Ion: 105 Resp: 196430

Ion Ratio Lower Upper

105 100

120 45.8 22.9 68.5





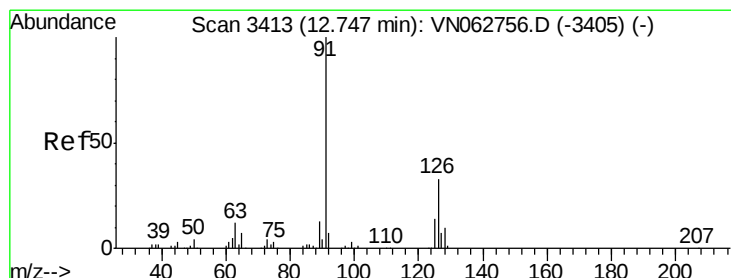
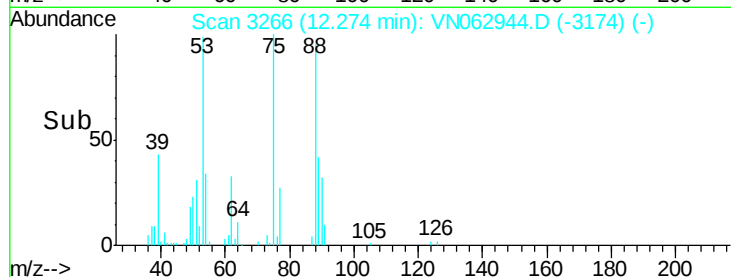
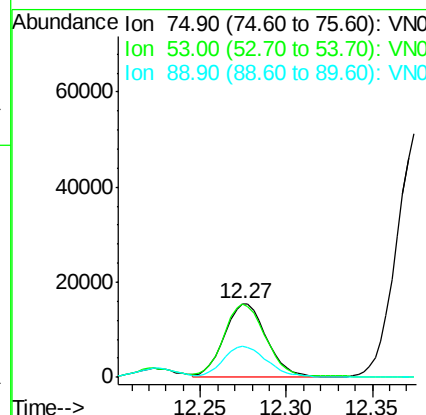
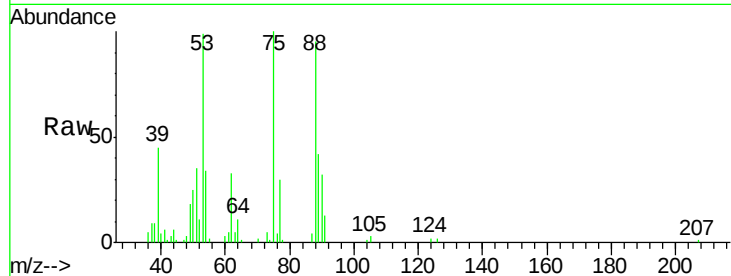
#81
trans-1,4-Dichloro-2-butene
Concen: 18.132 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	79.1	118.7
89	43.9	36.2	54.2

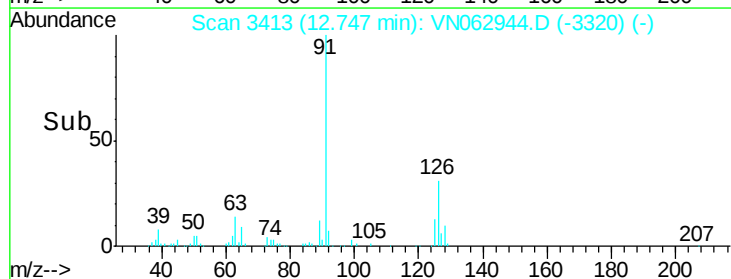
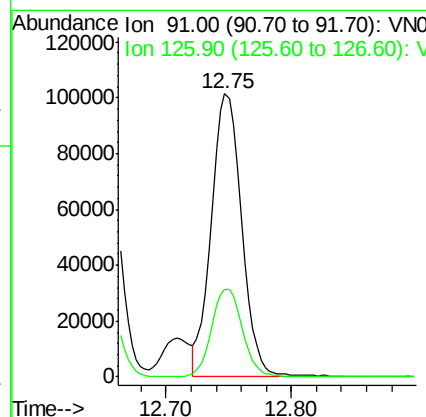
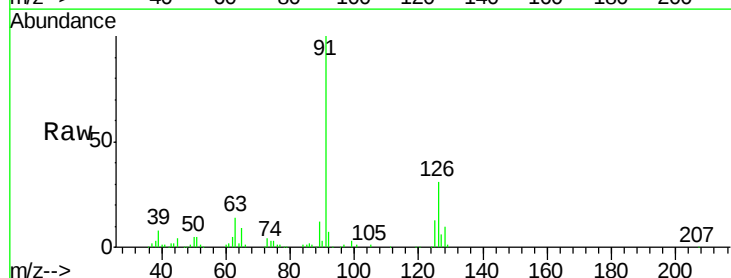
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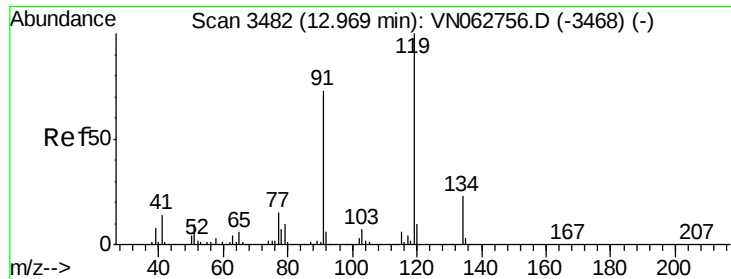
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#82
4-Chlorotoluene
Concen: 18.263 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.3	45.9





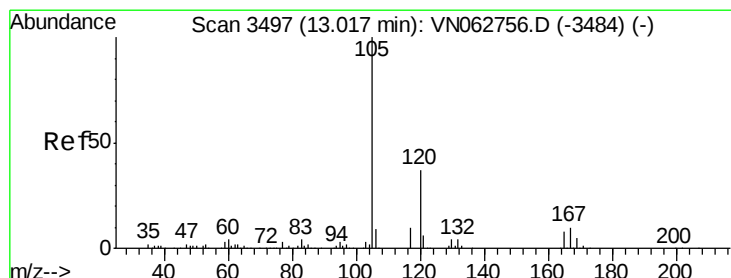
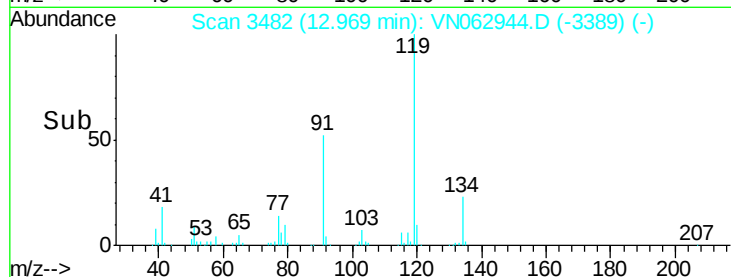
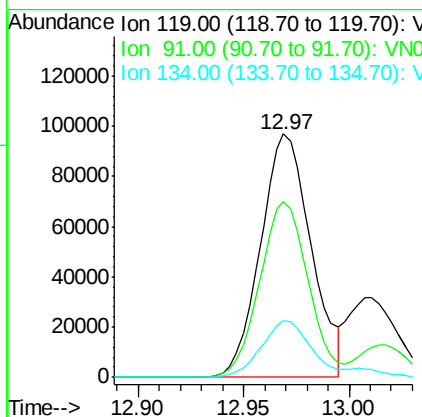
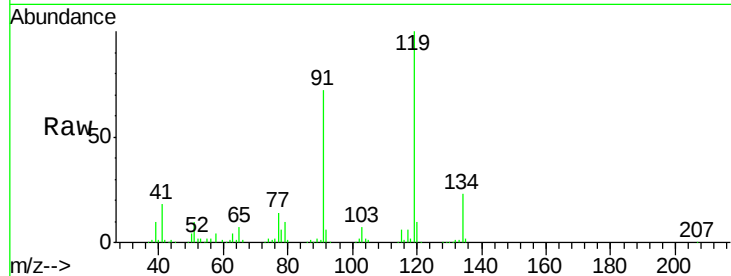
#83
tert-Butylbenzene
Concen: 17.879 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	36.5	109.5
134	22.8	11.3	33.8

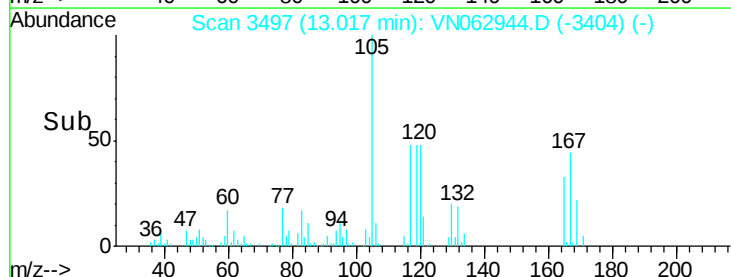
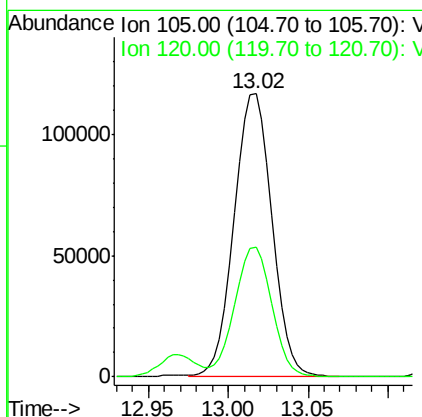
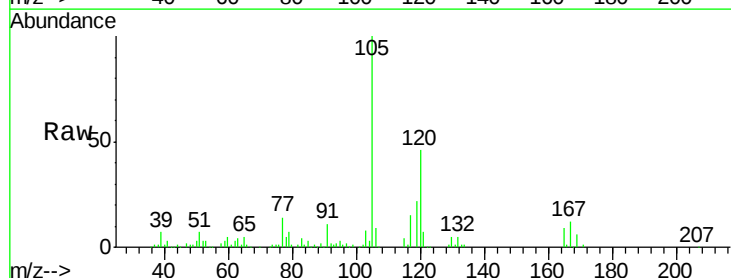
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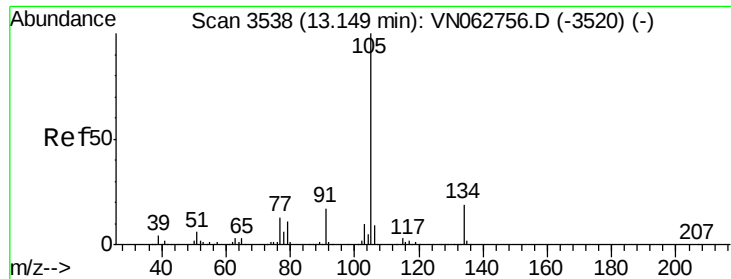
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#84
1,2,4-Trimethylbenzene
Concen: 18.272 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.4	64.2





#85

sec-Butylbenzene

Concen: 18.367 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS02

Tot Ion:105 Resp: 218247

Ion Ratio Lower Upper

105 100

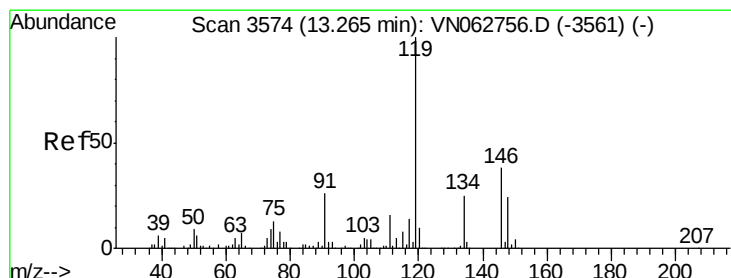
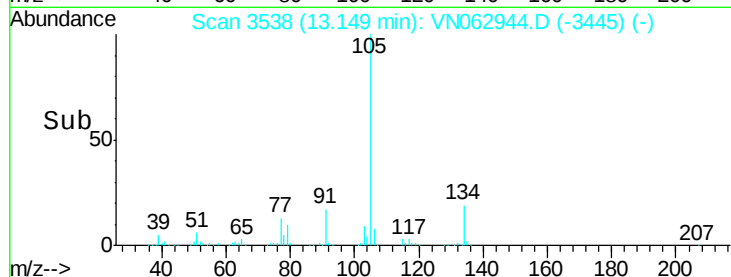
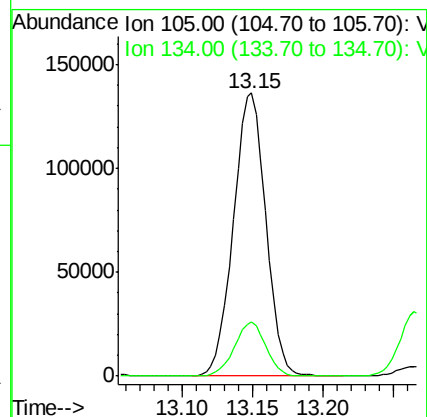
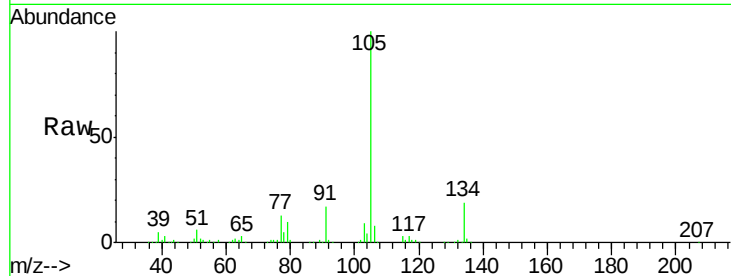
134 18.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 17.573 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062944.D

Acq: 14 Aug 2020 19:43

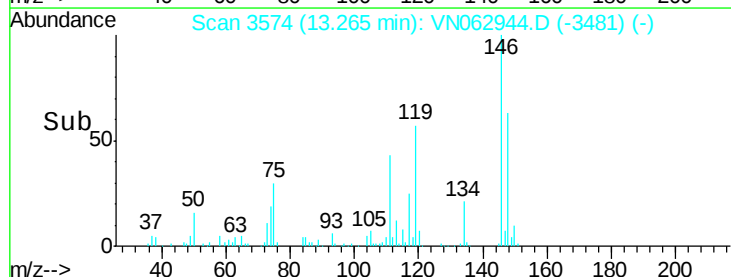
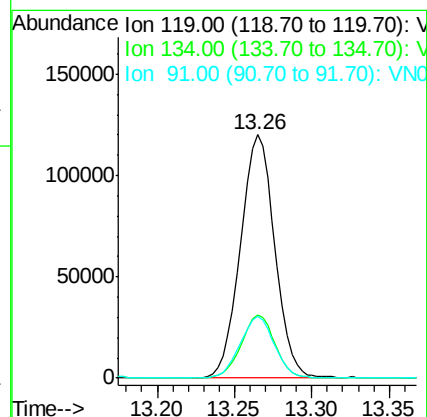
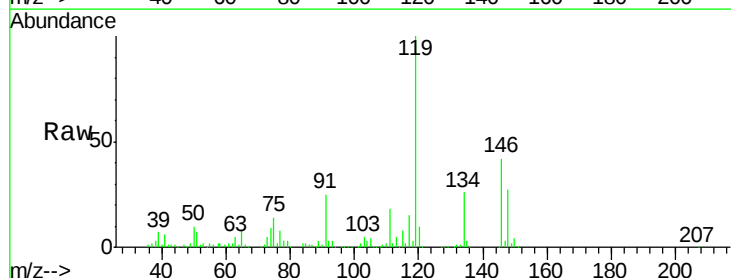
Tgt Ion:119 Resp: 185348

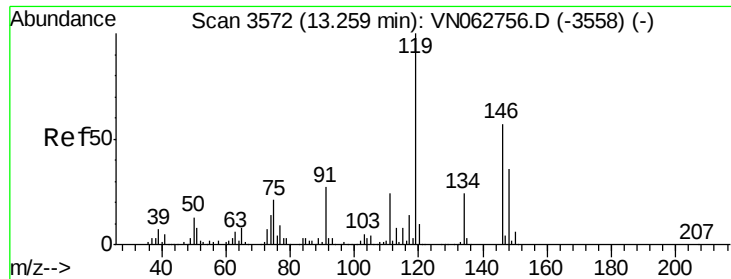
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 25.0 13.4 40.2





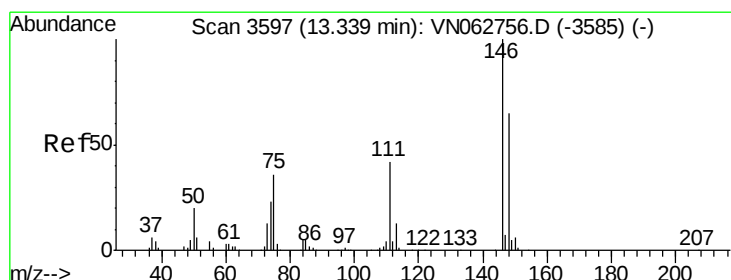
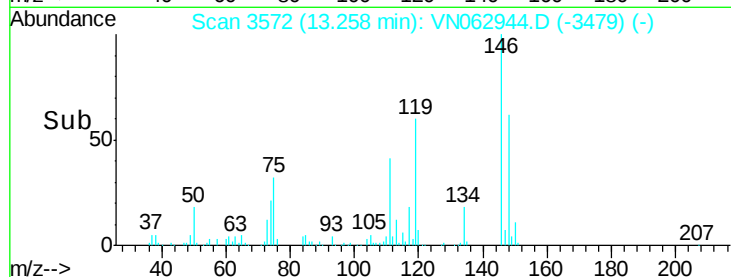
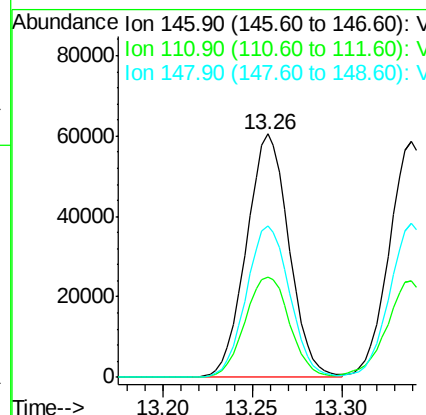
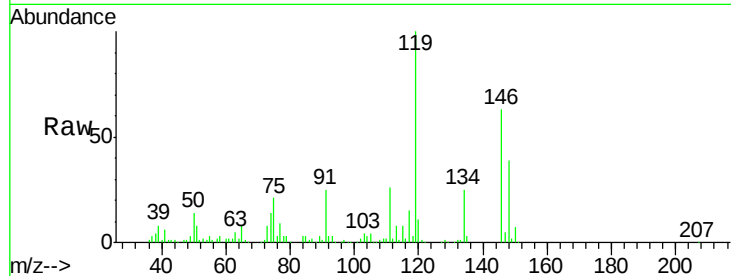
#87
 1,3-Dichlorobenzene
 Concen: 18.430 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100841		
111	43.0		21.7	65.1
148	63.4		31.4	94.2

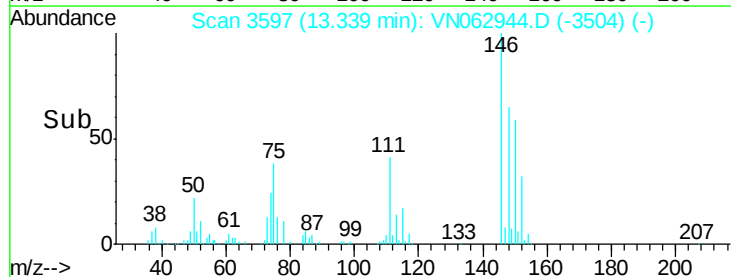
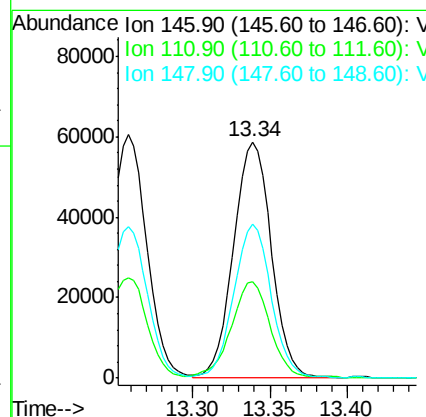
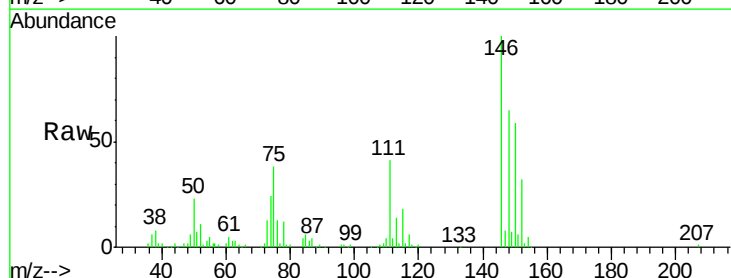
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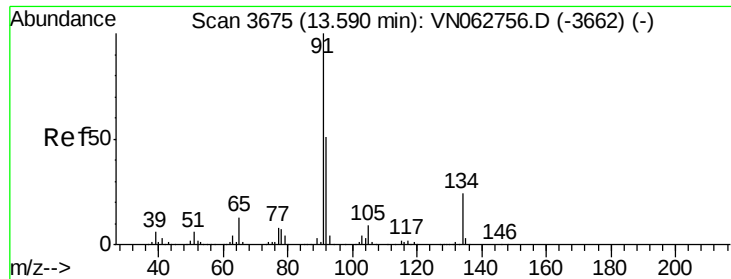
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#88
 1,4-Dichlorobenzene
 Concen: 18.064 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	99132		
111	42.8		21.6	64.6
148	64.3		32.6	97.8





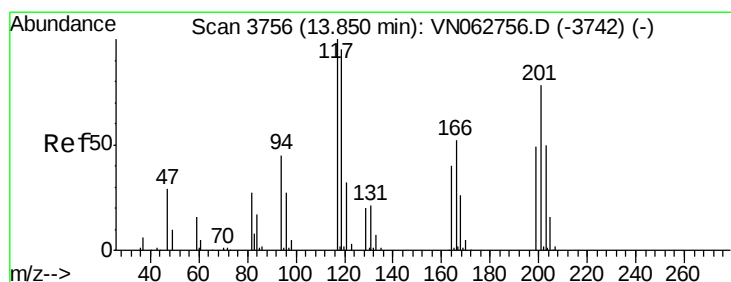
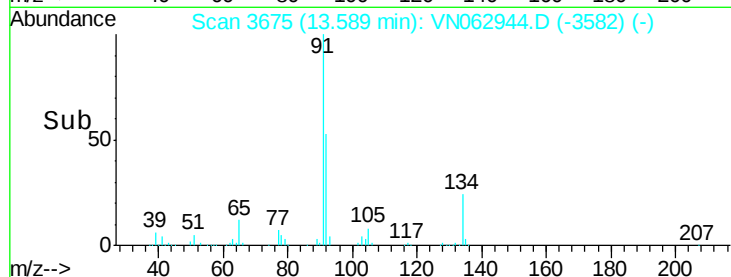
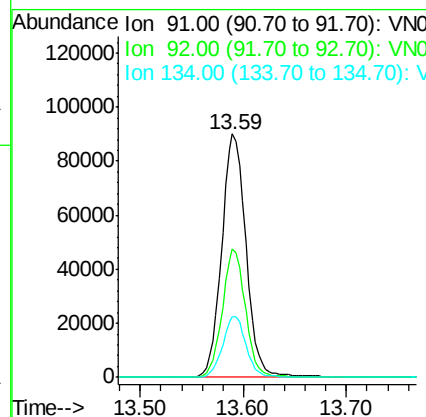
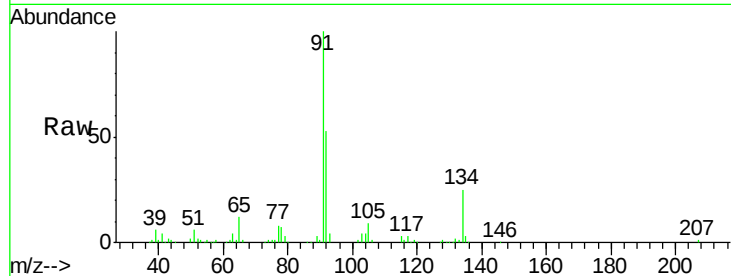
#89
n-Butylbenzene
Concen: 16.585 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	25.7	77.0
134	24.0	12.2	36.6

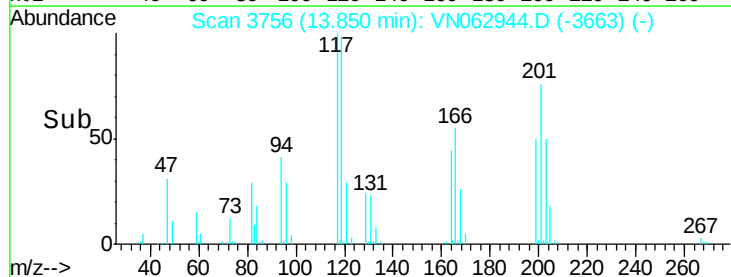
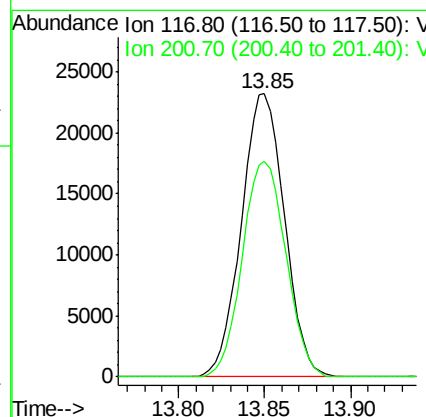
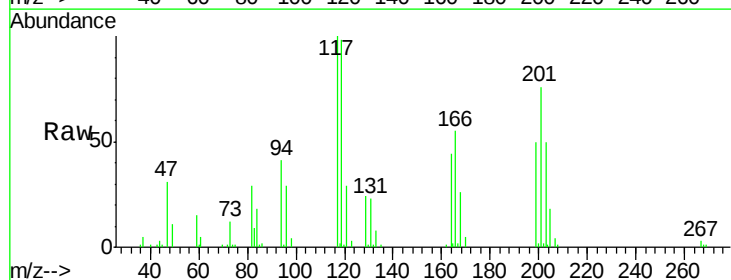
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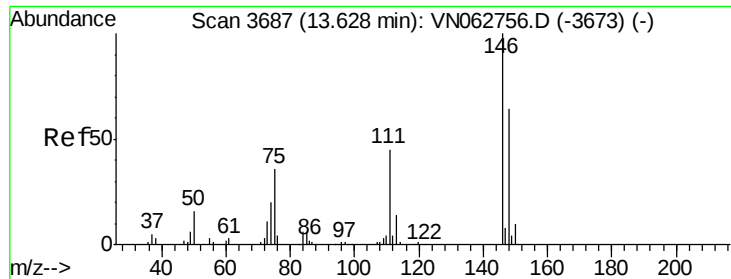
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#90
Hexachloroethane
Concen: 17.758 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	39.2	117.6





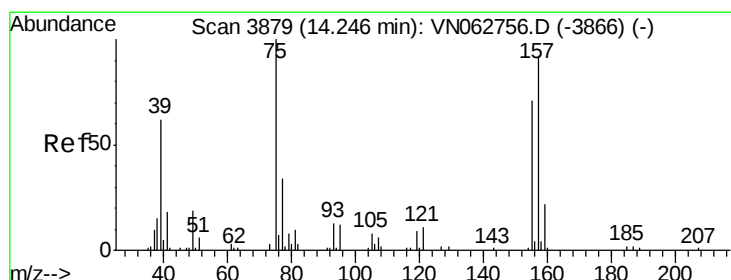
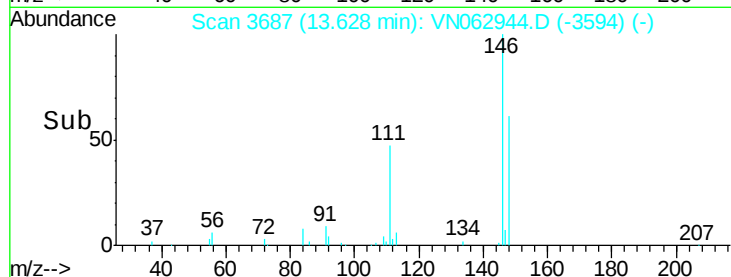
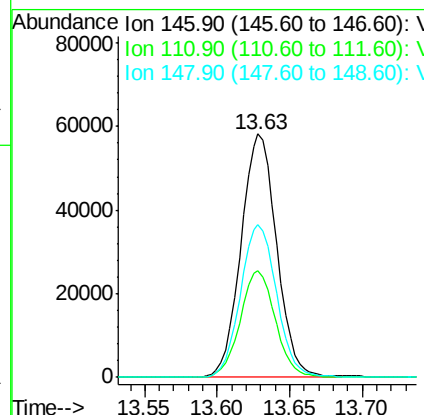
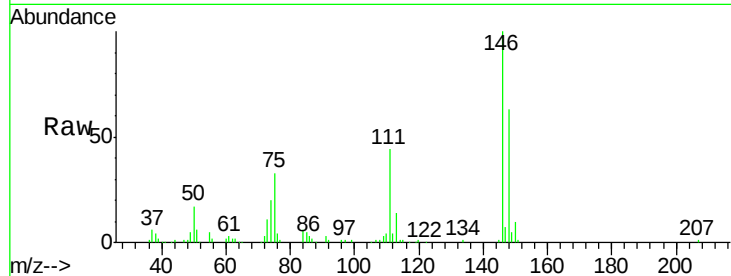
#91
 1,2-Dichlorobenzene
 Concen: 19.367 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.8	68.4
148	63.7	31.9	95.5

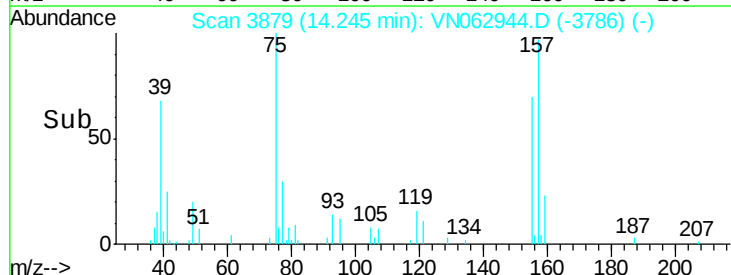
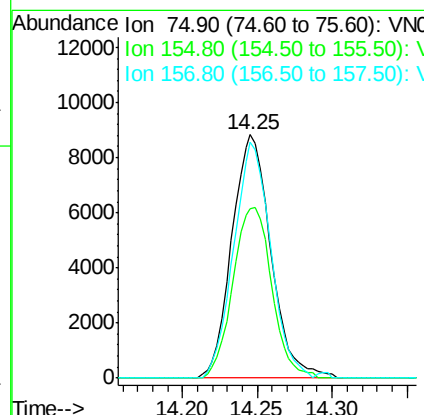
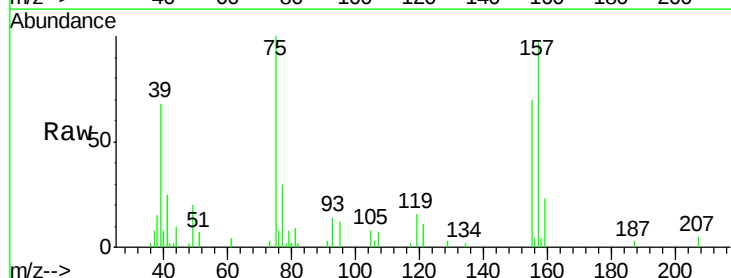
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.234 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.5	35.0	105.1
157	91.9	43.2	129.6





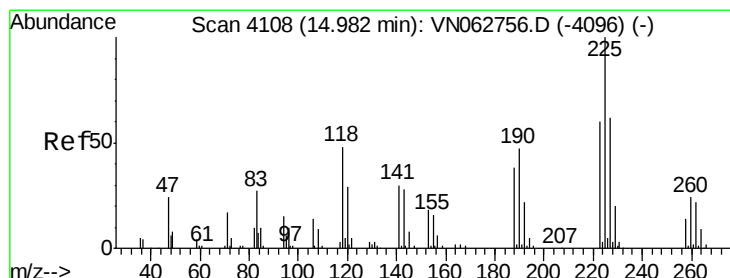
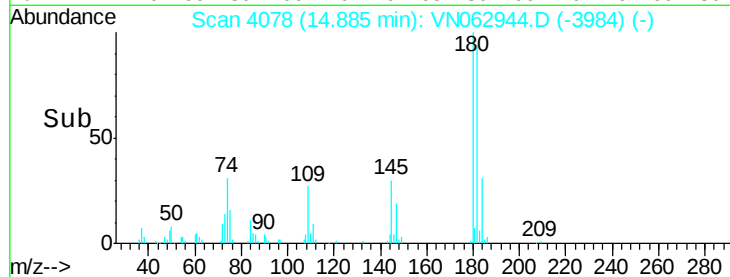
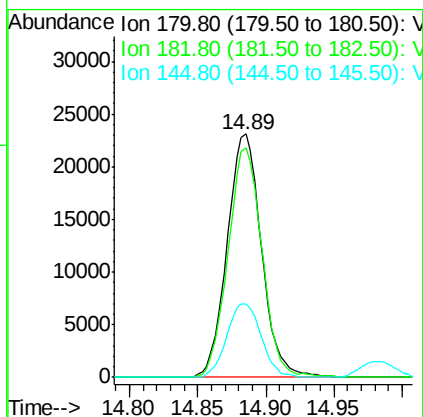
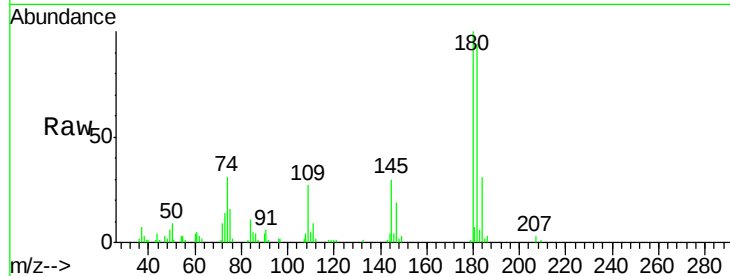
#93
 1,2,4-Trichlorobenzene
 Concen: 17.027 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	49.1	147.4	
145	30.2	16.3	48.8	

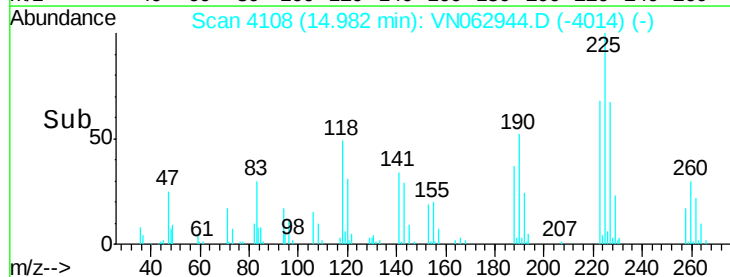
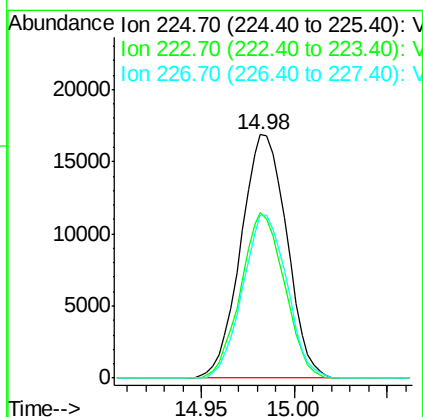
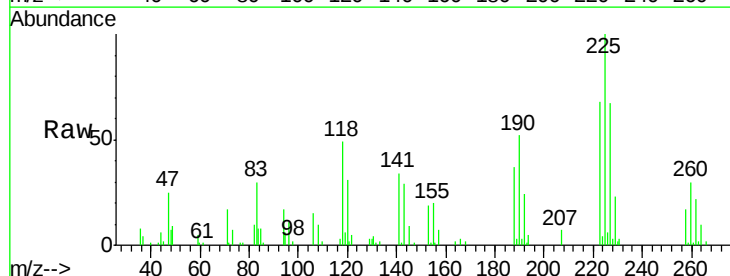
Manual Integrations
 APPROVED

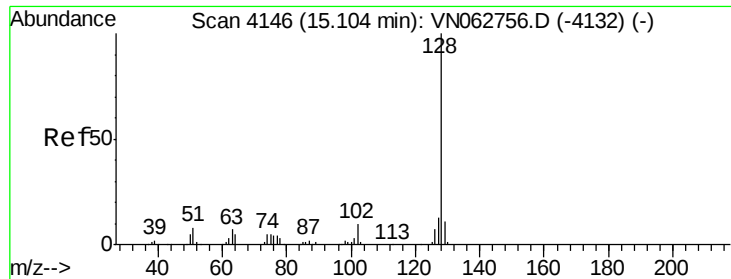
MMDadoda
 8/17/2020 11:43:44 AM



#94
 Hexachlorobutadiene
 Concen: 16.961 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062944.D
 Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	30.6	92.0	
227	64.5	31.6	95.0	





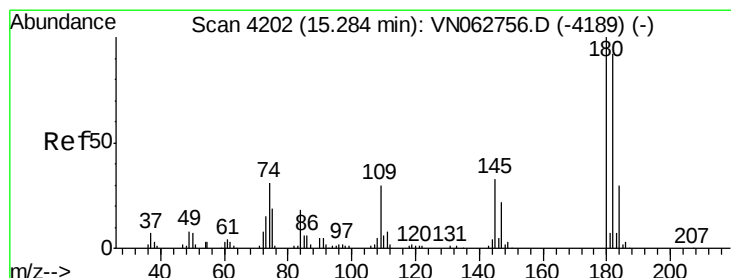
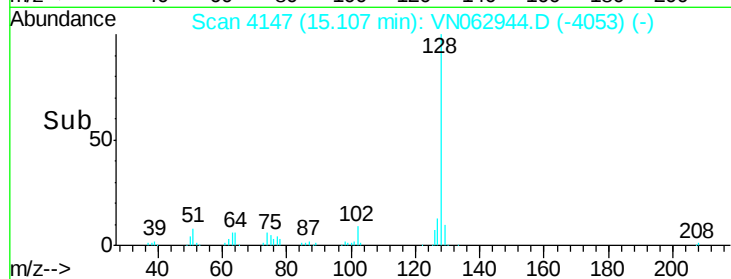
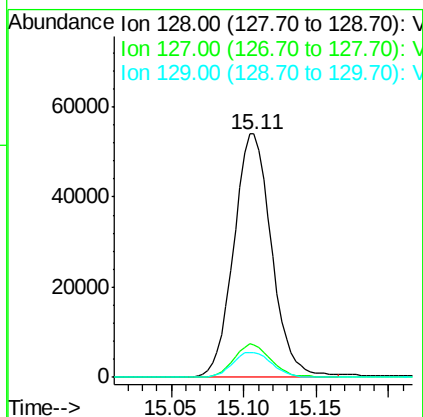
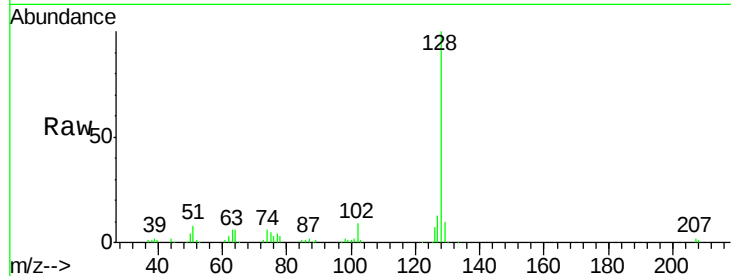
#95
Naphthalene
Concen: 15.767 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/17/2020 11:43:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.613 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062944.D
Acq: 14 Aug 2020 19:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.6
145	33.7	17.3	51.7

