

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062972.D
 Acq On : 17 Aug 2020 15:02
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:50 AM

Quant Time: Aug 17 15:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	254432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	353944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	334609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	253743	64.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.90%	
35) Dibromofluoromethane	7.55	113	225005	93.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.72%	
50) Toluene-d8	10.06	98	867821	92.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.24%	
62) 4-Bromofluorobenzene	12.38	95	320317	92.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	291248	82.812	ug/l	99
3) Chloromethane	2.03	50	271842	81.183	ug/l	99
4) Vinyl Chloride	2.16	62	343862	103.860	ug/l	100
5) Bromomethane	2.50	94	233640	106.399	ug/l	98
6) Chloroethane	2.65	64	232895	107.260	ug/l	98
7) Trichlorofluoromethane	2.97	101	453477	80.426	ug/l	97
8) Diethyl Ether	3.37	74	164412	102.638	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	237045	94.176	ug/l	96
10) Methyl Iodide	3.91	142	341854	121.536	ug/l	99
11) Tert butyl alcohol	4.74	59	207024	326.774	ug/l	99
12) 1,1-Dichloroethene	3.69	96	225743	94.530	ug/l	94
13) Acrolein	3.56	56	156725	398.610	ug/l	98
14) Allyl chloride	4.27	41	316775	73.643	ug/l	99
15) Acrylonitrile	4.93	53	613211	399.025	ug/l	100
16) Acetone	3.77	43	615867	430.310	ug/l	95
17) Carbon Disulfide	4.00	76	635826	90.400	ug/l	99
18) Methyl Acetate	4.28	43	254338	65.981	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	715076	76.058	ug/l	100
20) Methylene Chloride	4.50	84	235423	77.186	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	205557	81.905	ug/l	97
22) Diisopropyl ether	5.90	45	714438	78.410	ug/l	97
23) Vinyl Acetate	5.84	43	2466177	357.896	ug/l	100
24) 1,1-Dichloroethane	5.80	63	396788	73.873	ug/l	100
25) 2-Butanone	6.79	43	733202	363.568	ug/l	98
26) 2,2-Dichloropropane	6.77	77	320126	66.134	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	252074	84.151	ug/l	98
28) Bromochloromethane	7.15	49	202523	77.974	ug/l	98
29) Tetrahydrofuran	7.17	42	491902	374.591	ug/l	98
30) Chloroform	7.33	83	408413	72.152	ug/l	99
31) Cyclohexane	7.61	56	392620	80.176	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	342469	68.598	ug/l	99
36) 1,1-Dichloropropene	7.75	75	291036	86.764	ug/l	99
37) Ethyl Acetate	6.88	43	271086	78.748	ug/l	99
38) Carbon Tetrachloride	7.73	117	304687	77.014	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	406158	98.344	ug/l	98
40) Benzene	8.00	78	928840	91.182	ug/l	99
41) Methacrylonitrile	7.14	41	156479m	103.201	ug/l	
42) 1,2-Dichloroethane	8.09	62	297906	71.603	ug/l	100
43) Isopropyl Acetate	8.13	43	451858	78.834	ug/l	99
44) Trichloroethene	8.80	130	246111	97.534	ug/l	95
45) 1,2-Dichloropropane	9.09	63	240780	88.038	ug/l	99
46) Dibromomethane	9.18	93	156489	87.238	ug/l	99
47) Bromodichloromethane	9.37	83	327705	82.666	ug/l	98
48) Methyl methacrylate	9.17	41	215822	76.800	ug/l	98
49) 1,4-Dioxane	9.17	88	92859	1761.361	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1448505	391.256	ug/l	99
52) Toluene	10.12	92	590407	93.701	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	368050	84.748	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	393626	88.833	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	243866	90.375	ug/l	99
56) Ethyl methacrylate	10.40	69	375880	95.061	ug/l	98
57) 1,3-Dichloropropane	10.68	76	393629	87.288	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	443228	405.026	ug/l	99
59) 2-Hexanone	10.72	43	1074730	391.206	ug/l	98
60) Dibromochloromethane	10.87	129	285476	93.459	ug/l	100
61) 1,2-Dibromoethane	10.98	107	252403	94.929	ug/l	99
64) Tetrachloroethene	10.60	164	221581	101.235	ug/l	99
65) Chlorobenzene	11.41	112	668858	96.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	260564	93.890	ug/l	99
67) Ethyl Benzene	11.48	91	1167253	94.981	ug/l	99
68) m/p-Xylenes	11.60	106	907533	201.439	ug/l	99
69) o-Xylene	11.92	106	435118	103.290	ug/l	100
70) Styrene	11.94	104	779622	105.354	ug/l	99
71) Bromoform	12.10	173	235013	102.508	ug/l #	98
73) Isopropylbenzene	12.22	105	1186538	88.969	ug/l	100
74) N-amyl acetate	12.05	43	411786	79.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	367625	78.379	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	341029m	72.820	ug/l	
77) Bromobenzene	12.50	156	328855	96.715	ug/l	99
78) n-propylbenzene	12.57	91	1364808	87.478	ug/l	100
79) 2-Chlorotoluene	12.65	91	806741	82.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1038596	89.932	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	129539	85.124	ug/l	97
82) 4-Chlorotoluene	12.75	91	854693	84.990	ug/l	100
83) tert-Butylbenzene	12.97	119	901715	91.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1027462	92.937	ug/l	100
85) sec-Butylbenzene	13.15	105	1189224	92.359	ug/l	100
86) p-Isopropyltoluene	13.27	119	1108491	96.874	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	582735	96.717	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	584151	96.347	ug/l	100
89) n-Butylbenzene	13.59	91	906365	94.305	ug/l	99
90) Hexachloroethane	13.85	117	204176	83.403	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	557002	98.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	68831	71.108	ug/l	96

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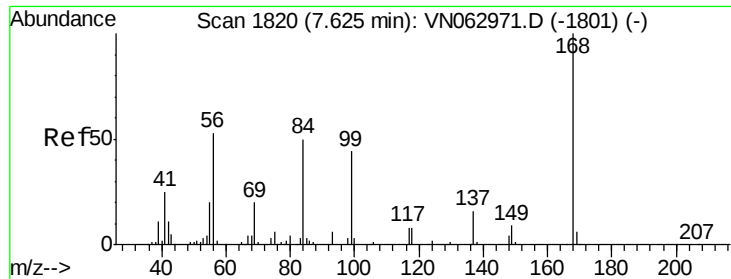
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	320306	119.363	ug/l	99
94) Hexachlorobutadiene	14.98	225	204186	101.475	ug/l	99
95) Naphthalene	15.10	128	762828	110.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	316527	121.862	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: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 254432

Ion Ratio Lower Upper

168 100

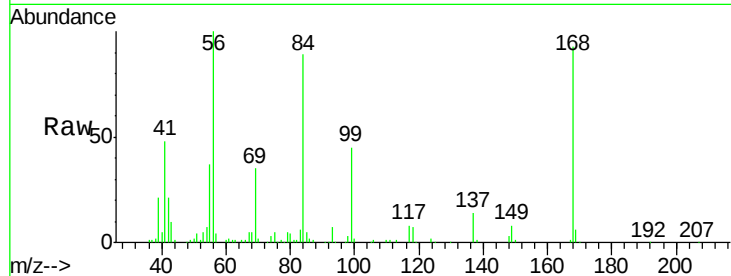
99 47.6 39.4 59.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

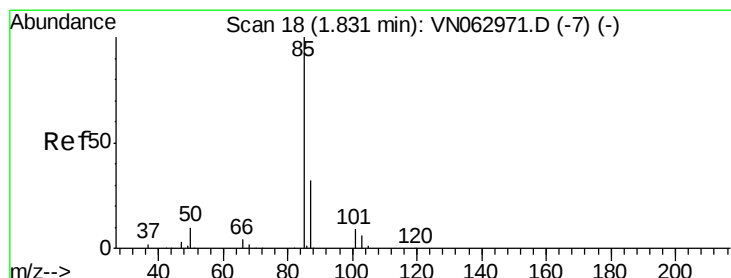
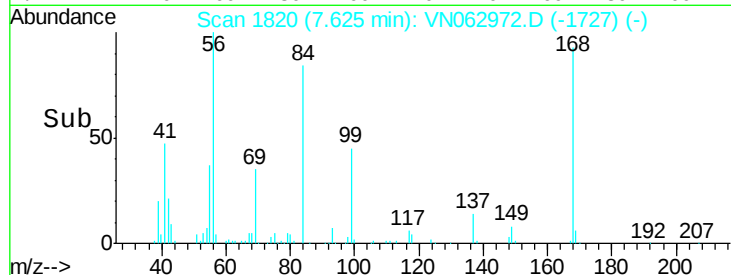
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 82.812 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062972.D

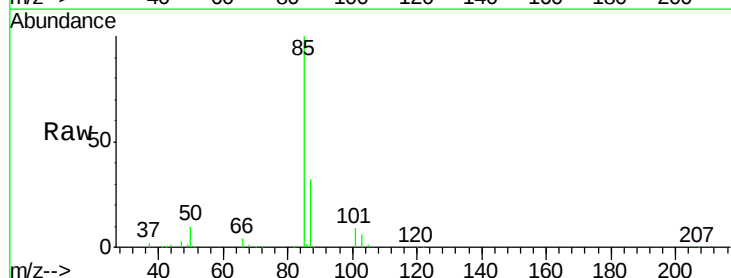
Acq: 17 Aug 2020 15:02

Tgt Ion: 85 Resp: 291248

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

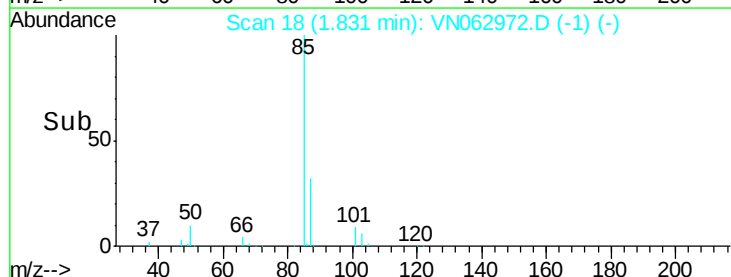
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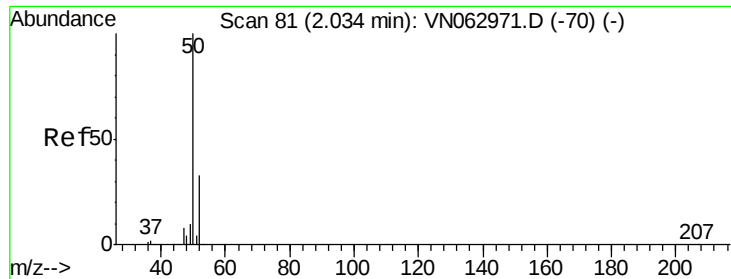
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 81.183 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 271842

Ion Ratio Lower Upper

50 100

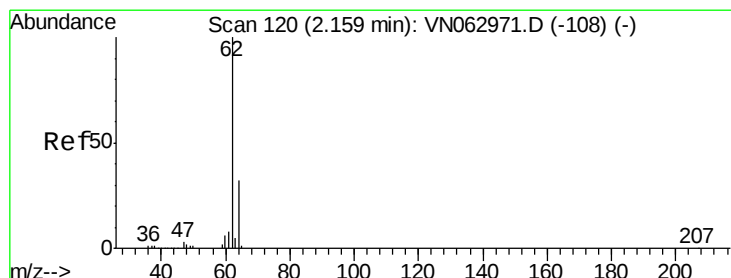
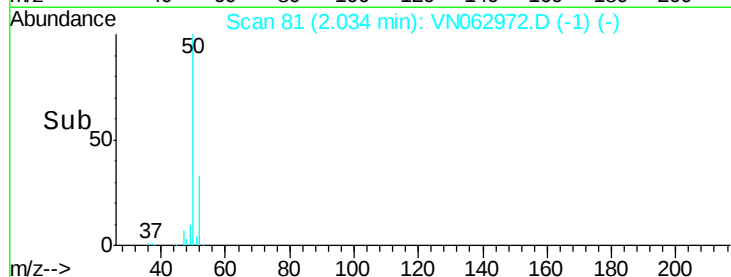
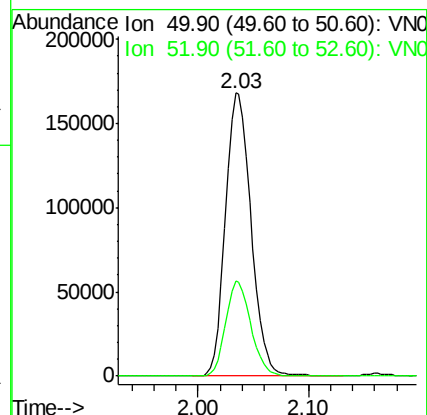
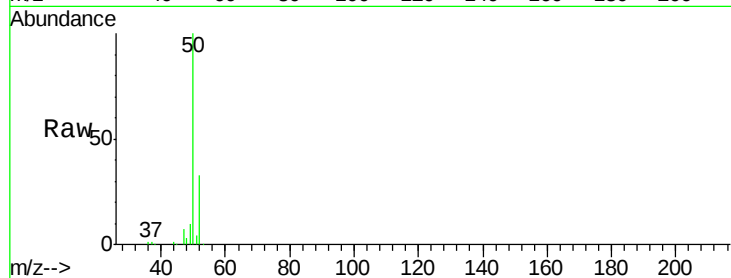
52 33.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 103.860 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062972.D

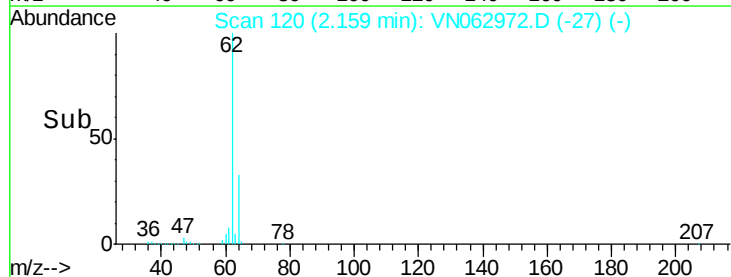
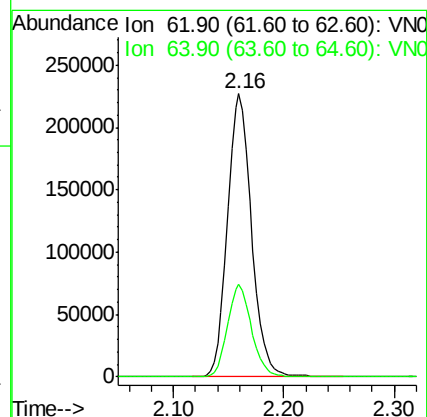
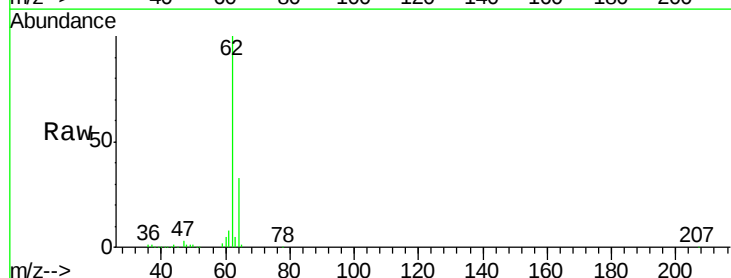
Acq: 17 Aug 2020 15:02

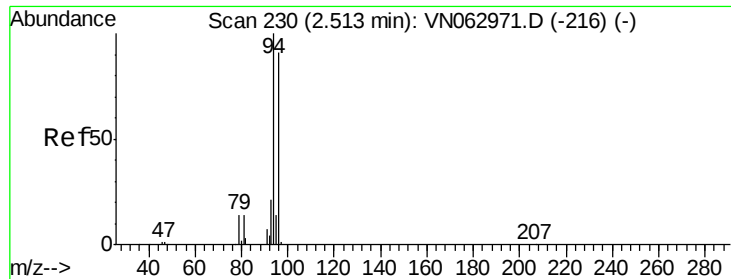
Tgt Ion: 62 Resp: 343862

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 106.399 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.01 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 233640

Ion Ratio Lower Upper

94 100

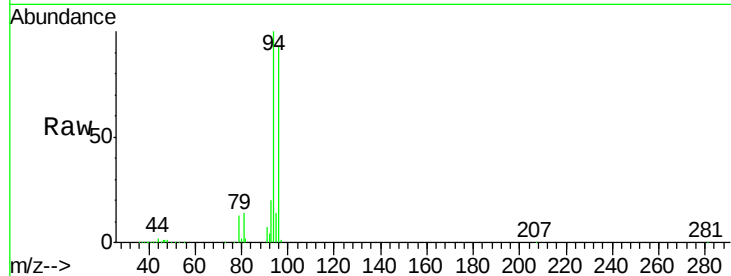
96 92.7 72.9 109.3

Manual Integrations

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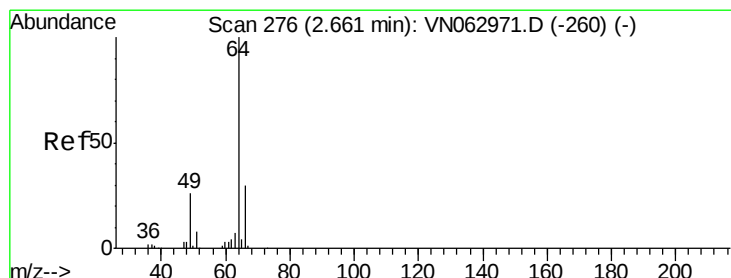
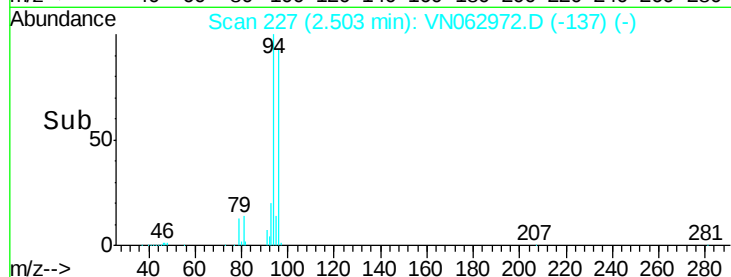
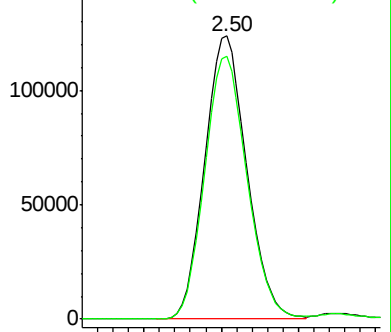
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 107.260 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.01 min

Lab File: VN062972.D

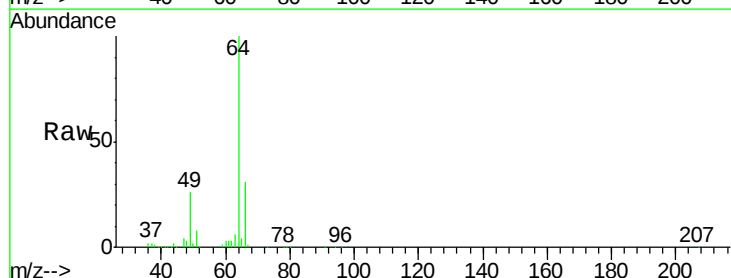
Acq: 17 Aug 2020 15:02

Tgt Ion: 64 Resp: 232895

Ion Ratio Lower Upper

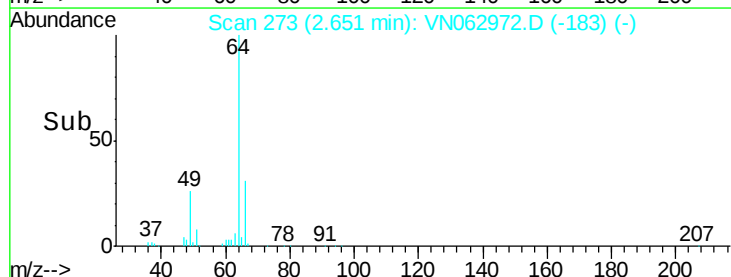
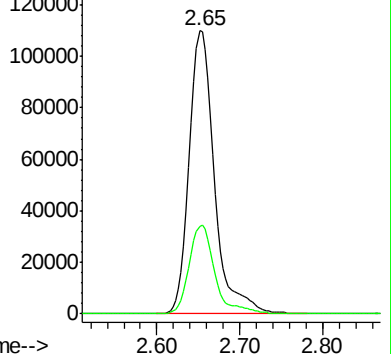
64 100

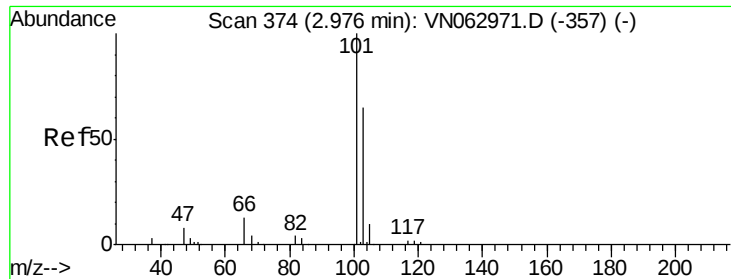
66 31.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

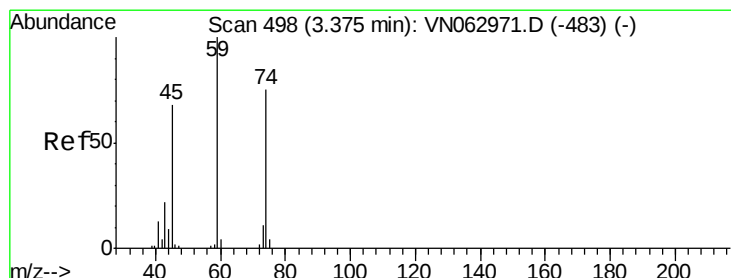
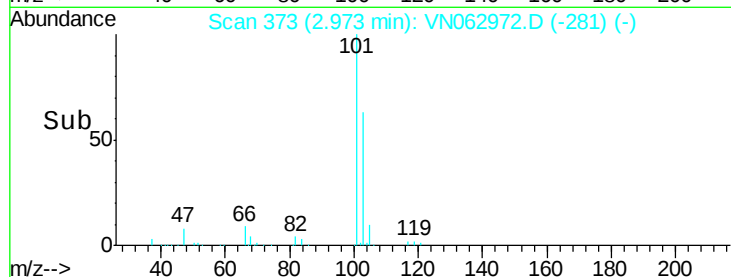
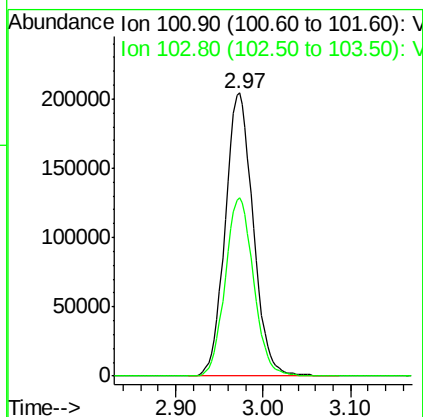
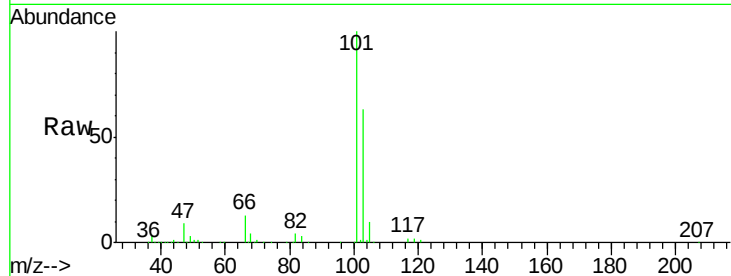
Trichlorofluoromethane
Concen: 80.426 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	453477		
103	63.1	52.2	78.4	

Manual Integrations
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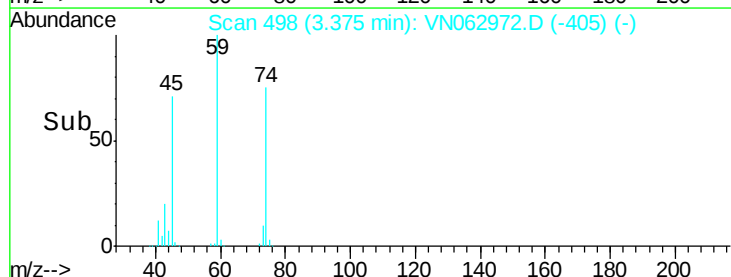
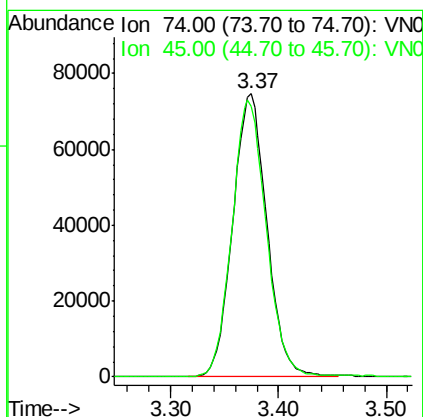
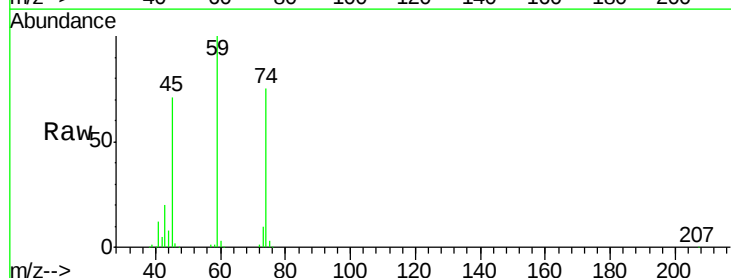
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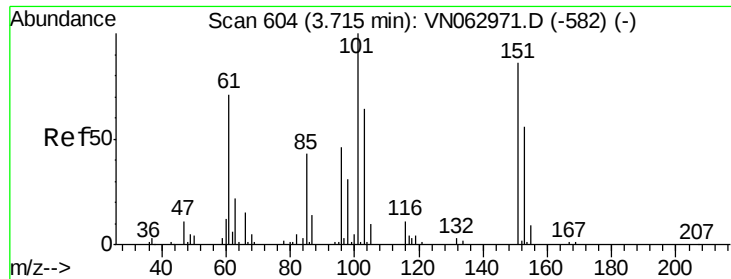


#8

Diethyl Ether
Concen: 102.638 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	164412		
45	98.3	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.176 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

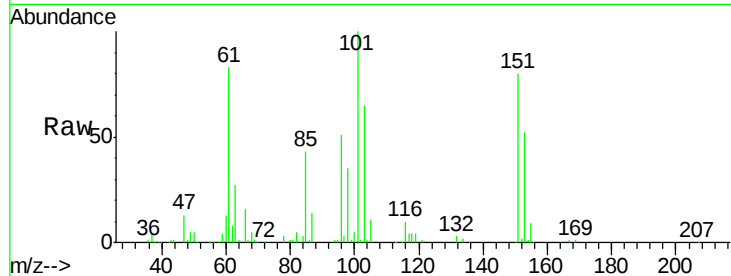
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	237045
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	81.5	69.3	103.9

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APPROVED

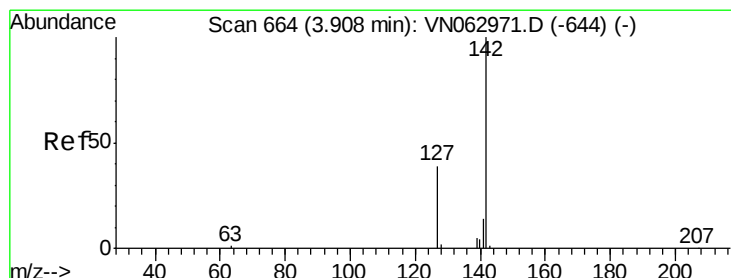
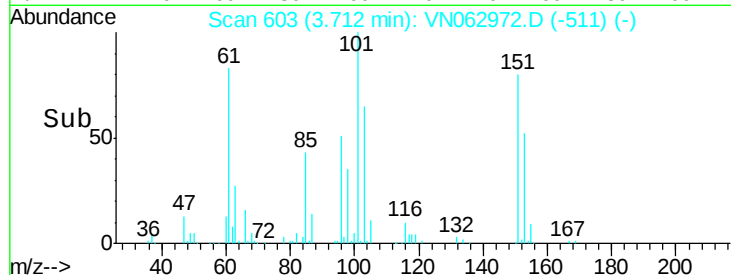
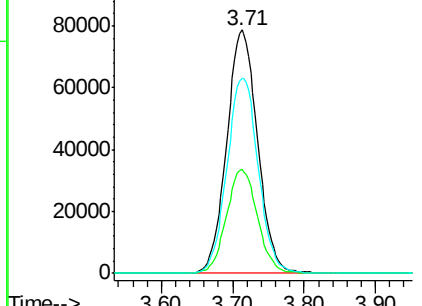
MMDadoda
8/18/2020 11:12:50 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 121.536 ug/l

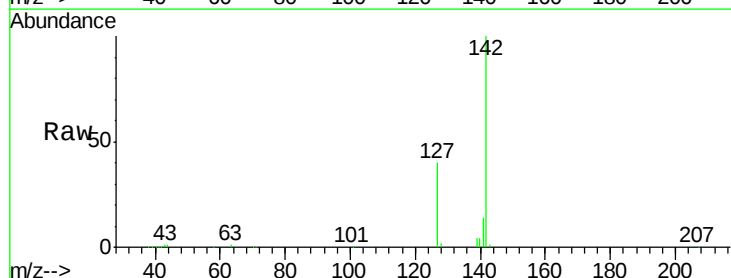
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

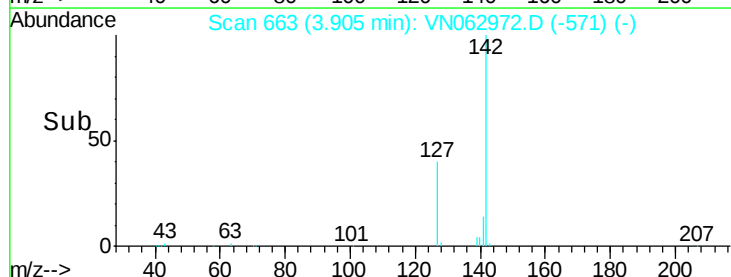
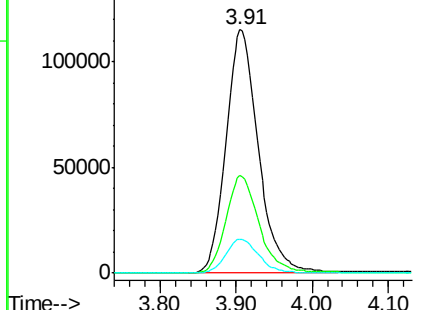
Tgt Ion:	142	Resp:	341854
Ion Ratio	Lower	Upper	
142	100		
127	40.9	31.9	47.9
141	14.3	11.4	17.2

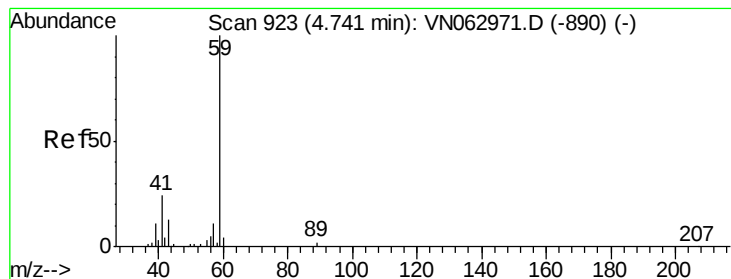


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

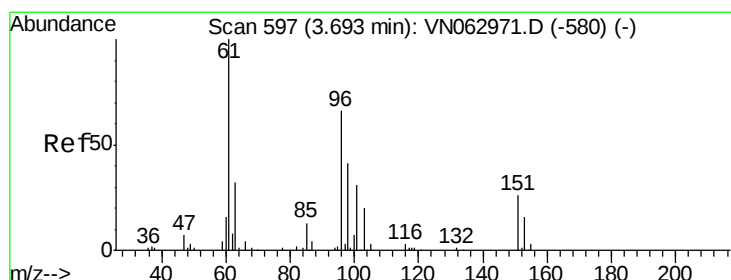
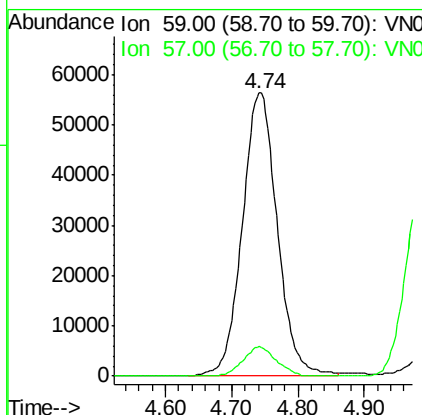
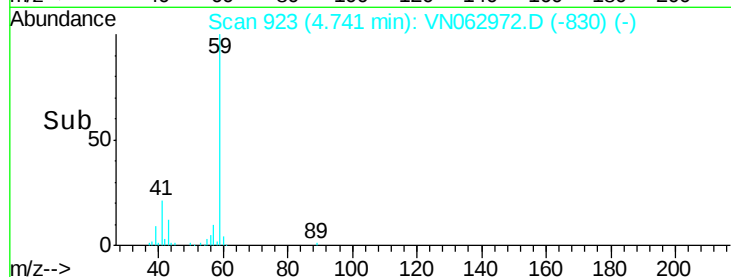
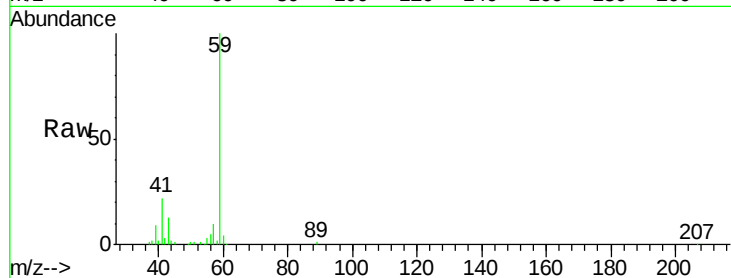
Tert butyl alcohol
 Concen: 326.774 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.6	11.4

Manual Integrations
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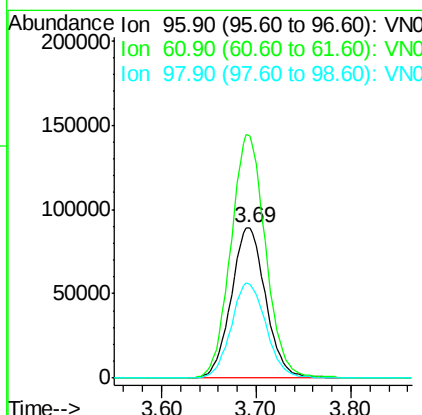
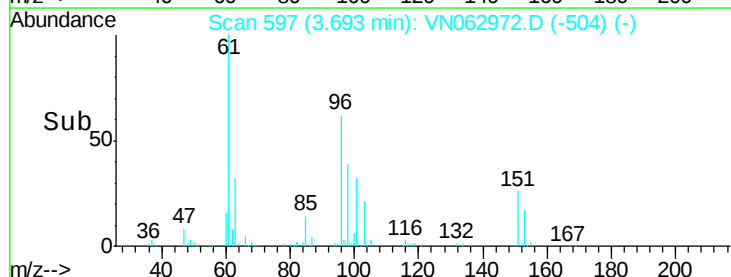
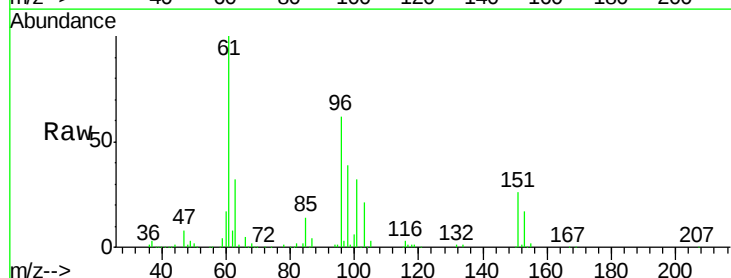
MMDadoda
 8/18/2020 11:12:50 AM

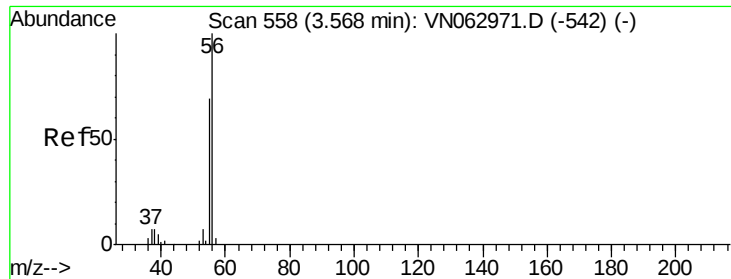


#12

1,1-Dichloroethene
 Concen: 94.530 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	120.4	180.6
98	62.4	49.8	74.6





#13

Acrolein

Concen: 398.610 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 156725

Ion Ratio Lower Upper

56 100

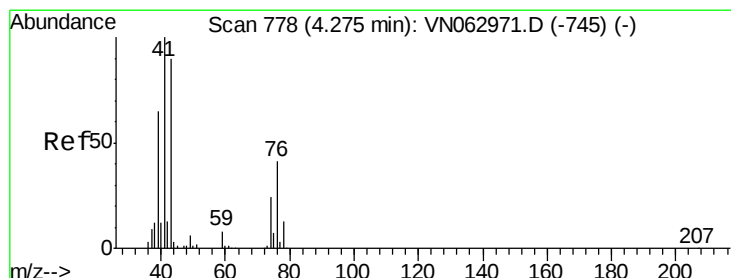
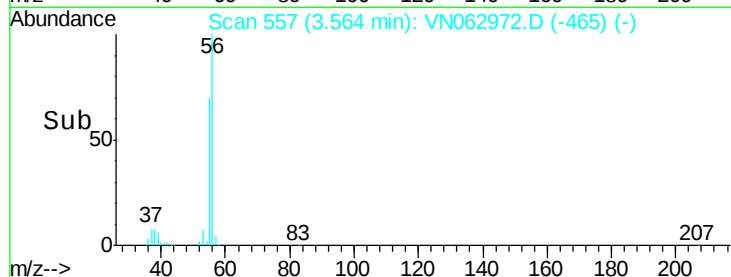
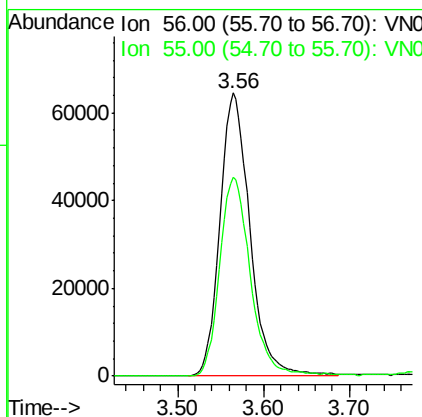
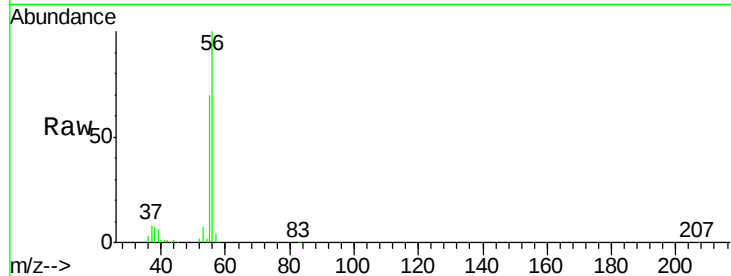
55 71.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 73.643 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

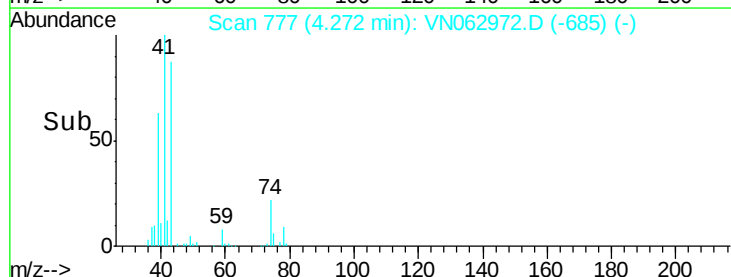
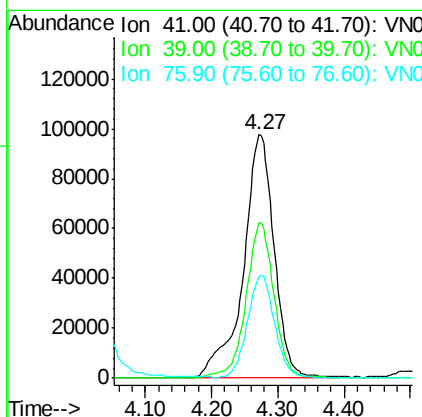
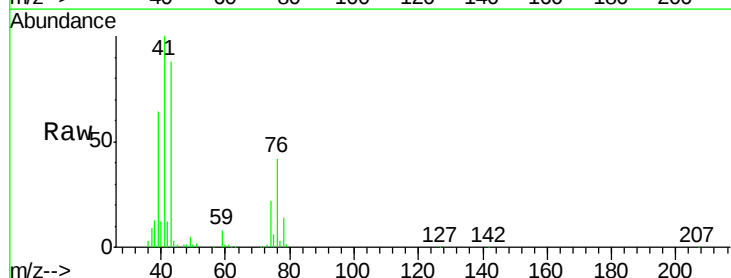
Tgt Ion: 41 Resp: 316775

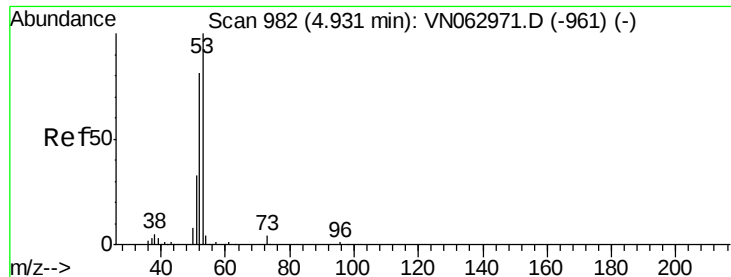
Ion Ratio Lower Upper

41 100

39 57.8 46.7 70.1

76 36.5 30.2 45.4





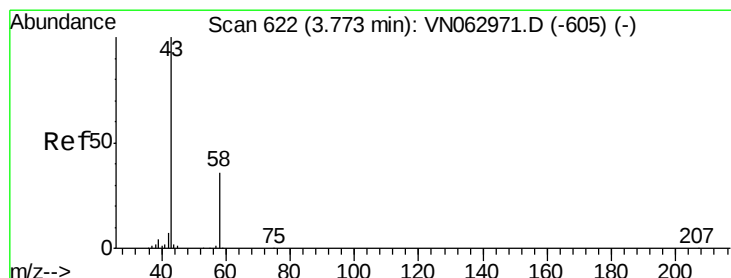
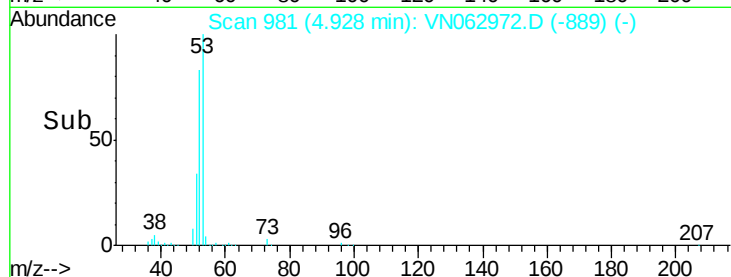
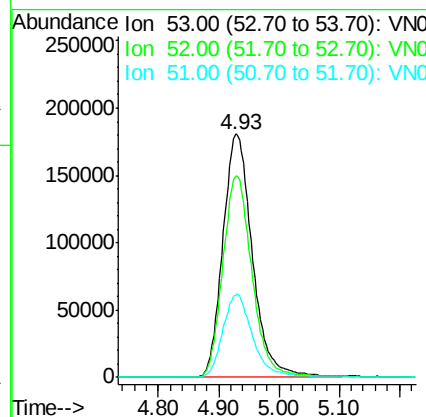
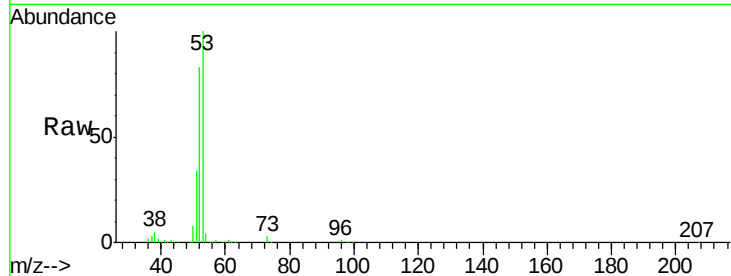
#15
 Acrylonitrile
 Concen: 399.025 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	53	Resp:	613211
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.0	97.6
51	34.5	27.4	41.2

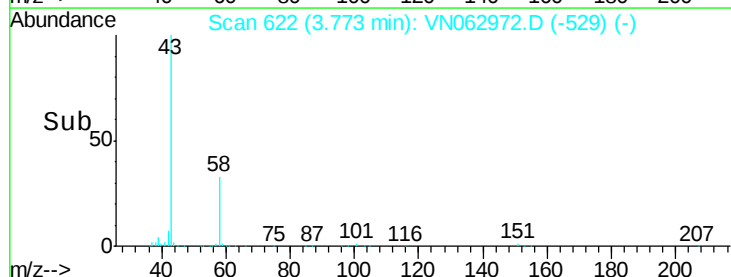
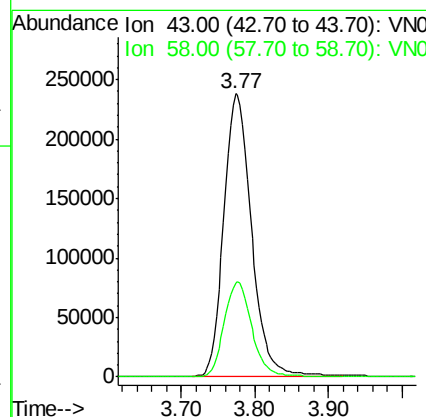
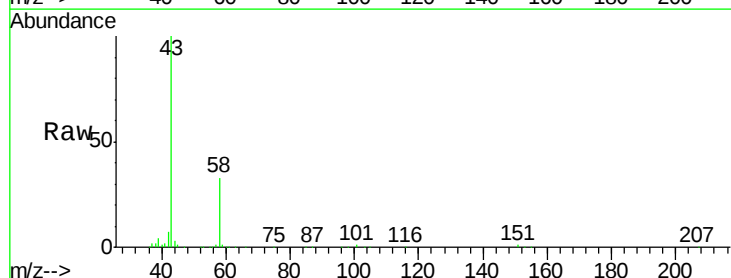
Manual Integrations
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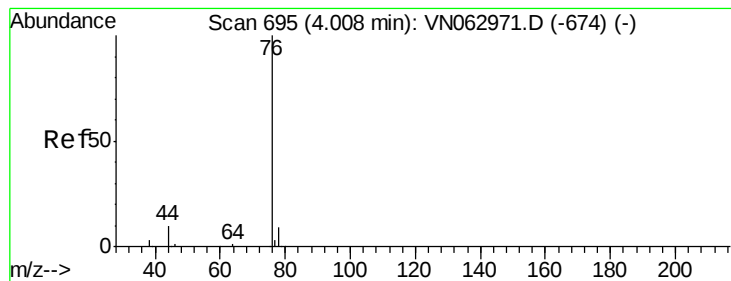
MMDadoda
 8/18/2020 11:12:50 AM



#16
 Acetone
 Concen: 430.310 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion:	43	Resp:	615867
Ion Ratio	Lower	Upper	
43	100		
58	33.1	28.7	43.1





#17

Carbon Disulfide

Concen: 90.400 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 635826

Ion Ratio Lower Upper

76 100

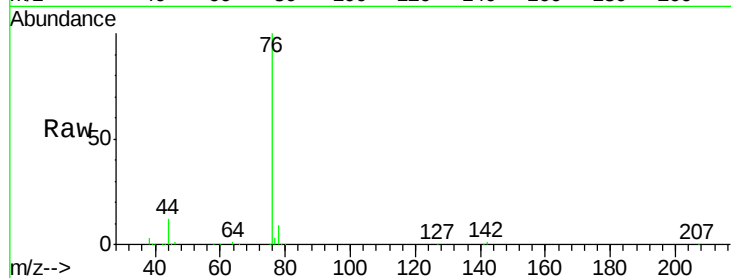
78 8.9 7.4 11.0

Manual Integrations

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8/18/2020 11:12:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

250000

200000

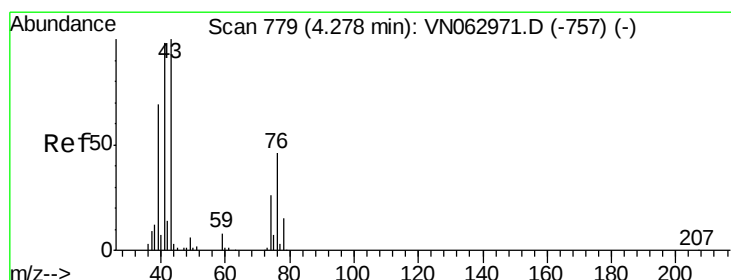
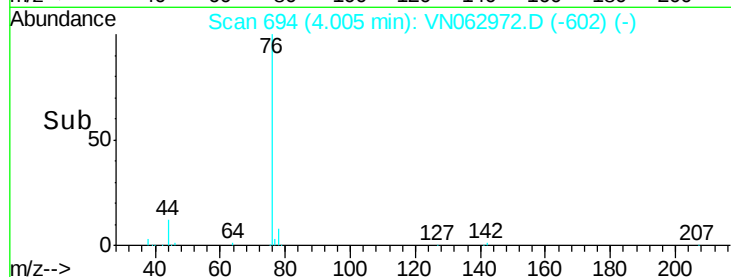
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 65.981 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062972.D

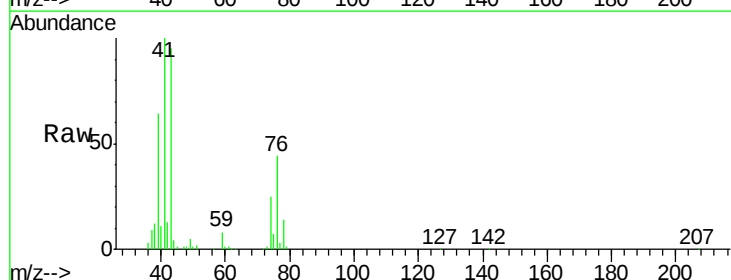
Acq: 17 Aug 2020 15:02

Tgt Ion: 43 Resp: 254338

Ion Ratio Lower Upper

43 100

74 26.1 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

100000

80000

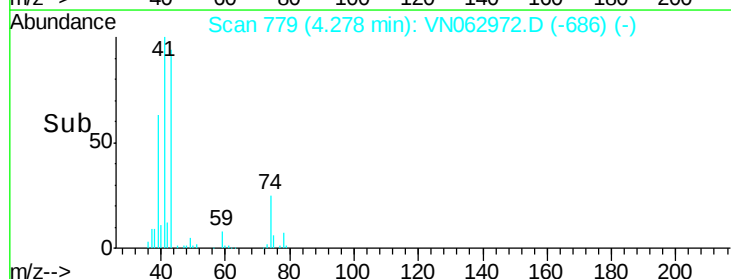
60000

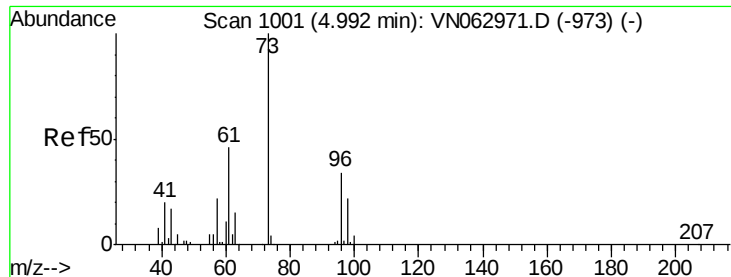
40000

20000

0

Time-->





#19

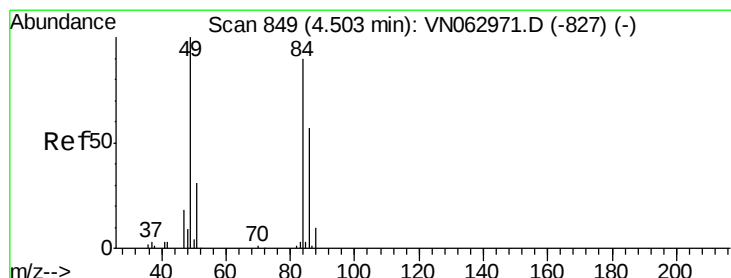
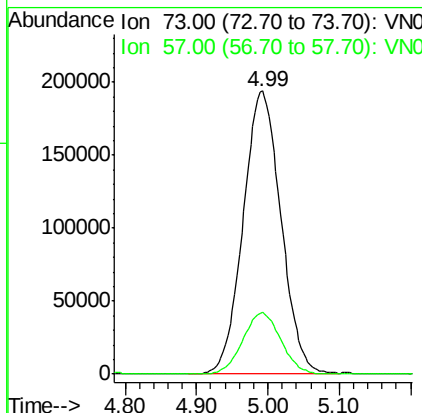
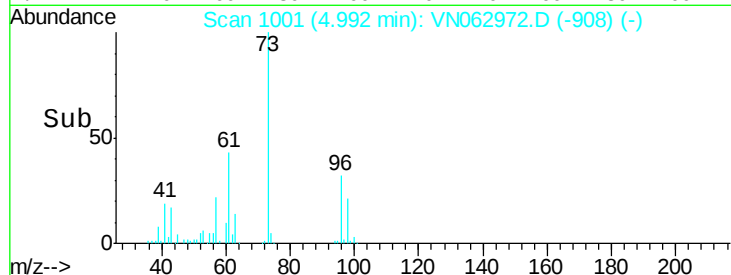
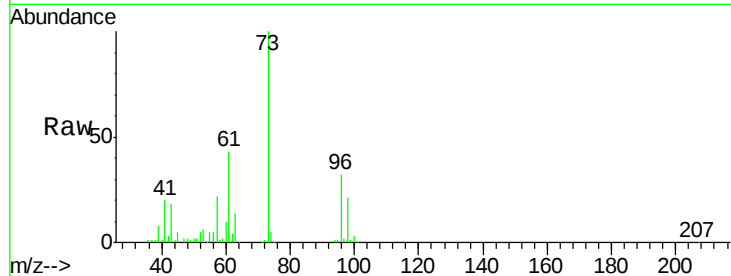
Methyl tert-butyl Ether
 Concen: 76.058 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 715076
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.6 26.4

Manual Integrations
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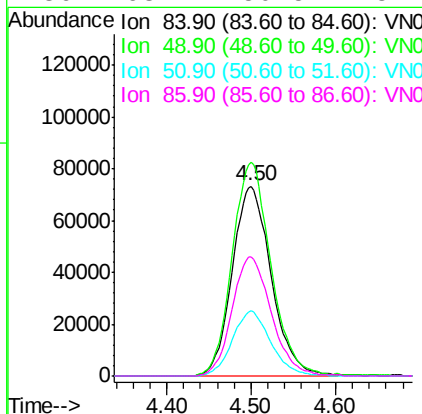
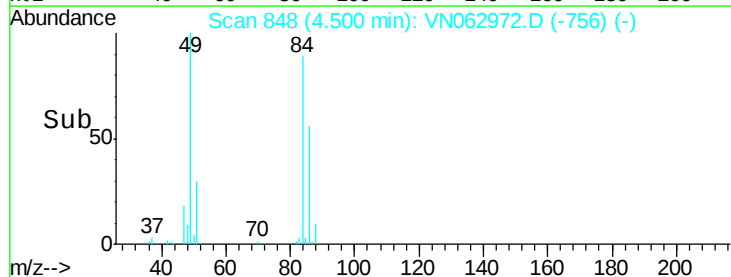
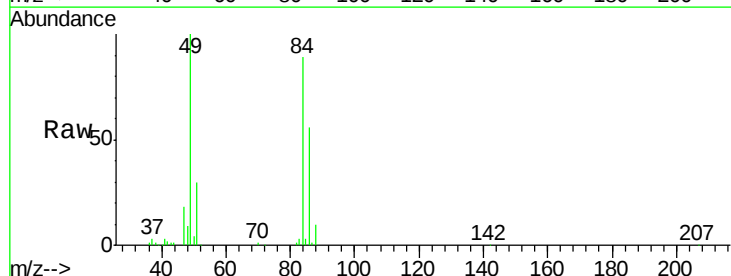
MMDadoda
 8/18/2020 11:12:50 AM

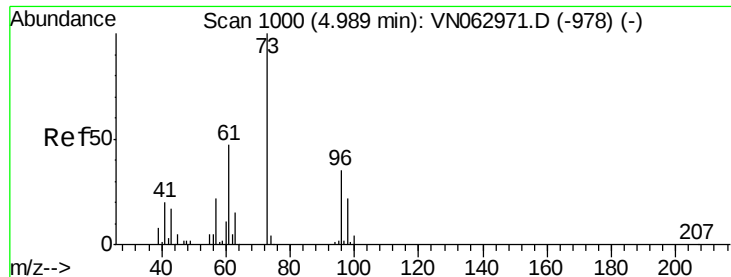


#20

Methylene Chloride
 Concen: 77.186 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion: 84 Resp: 235423
 Ion Ratio Lower Upper
 84 100
 49 112.7 88.8 133.2
 51 34.1 27.1 40.7
 86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 81.905 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

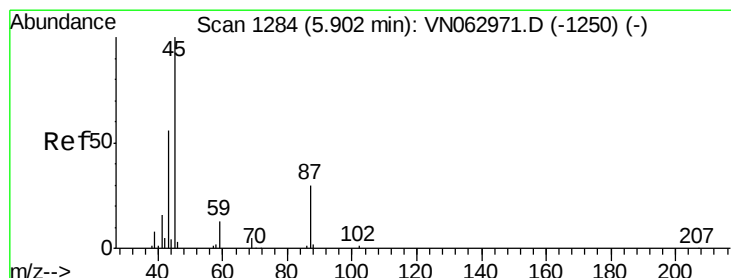
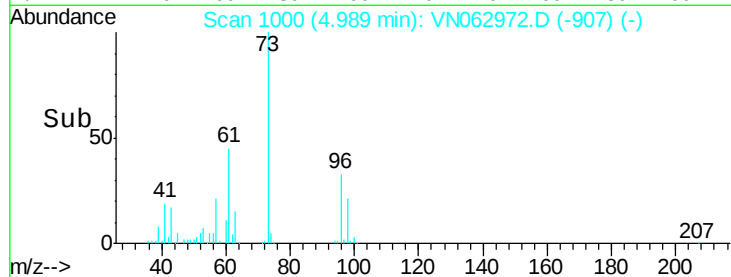
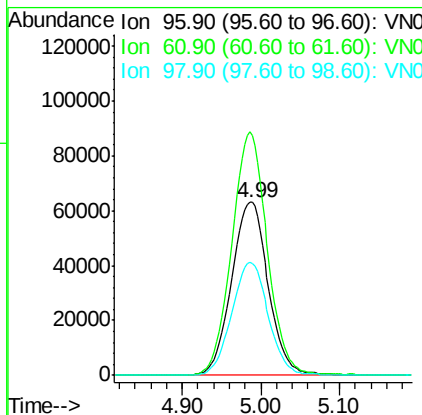
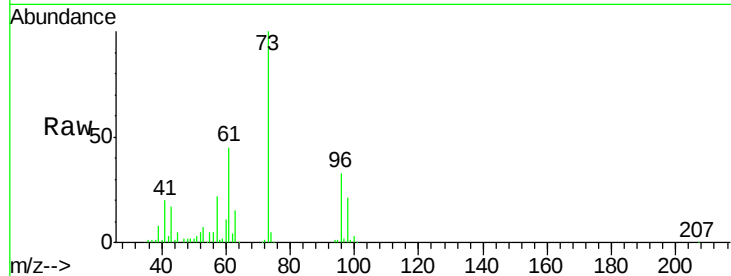
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	205557
Ion	Ratio	Lower	Upper
96	100		
61	138.4	107.7	161.5
98	64.7	51.0	76.4

Manual Integrations
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MMDadoda
8/18/2020 11:12:50 AM



#22

Diisopropyl ether

Concen: 78.410 ug/l

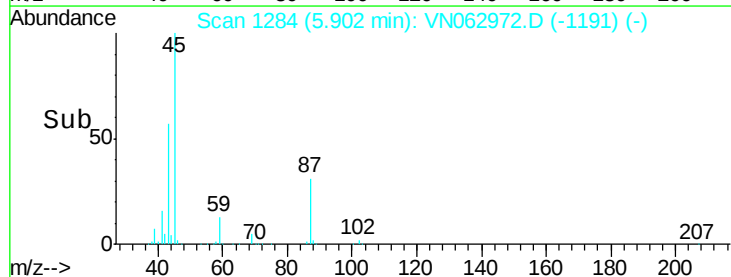
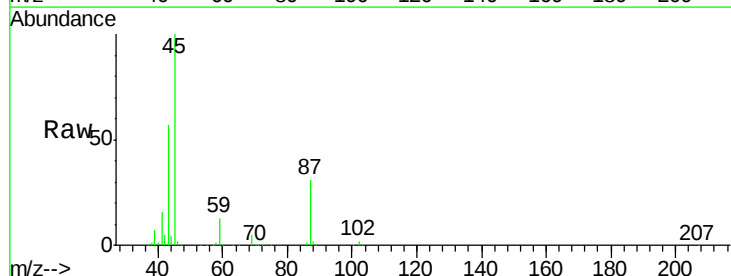
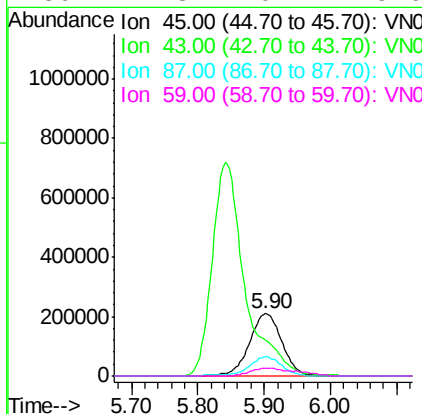
RT: 5.90 min Scan# 1284

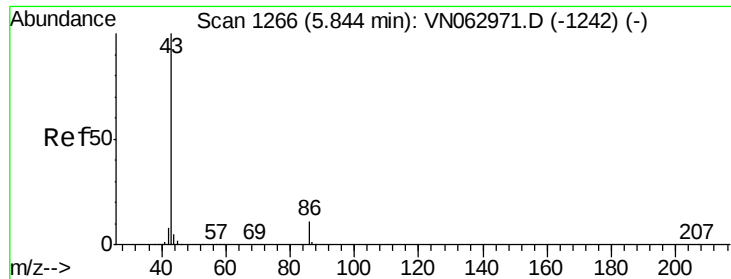
Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Tgt Ion:	45	Resp:	714438
Ion	Ratio	Lower	Upper
45	100		
43	55.6	47.1	70.7
87	30.7	24.3	36.5
59	12.3	10.4	15.6





#23

Vinyl Acetate

Concen: 357.896 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2466177

Ion Ratio Lower Upper

43 100

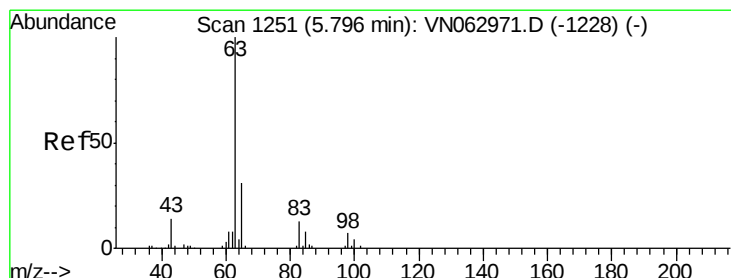
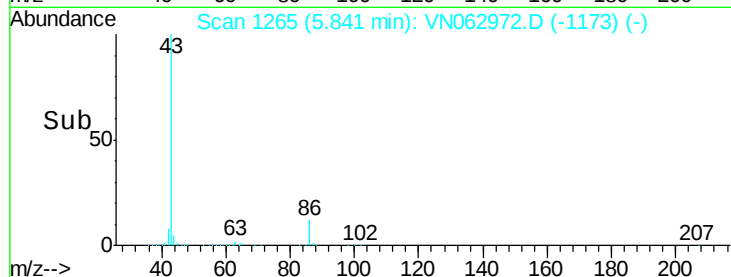
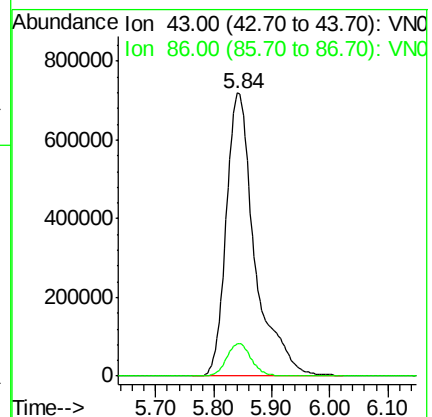
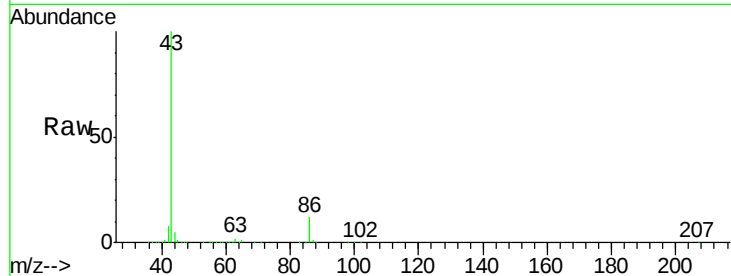
86 11.5 9.1 13.7

Manual Integrations

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MMDadoda

8/18/2020 11:12:50 AM



#24

1,1-Dichloroethane

Concen: 73.873 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

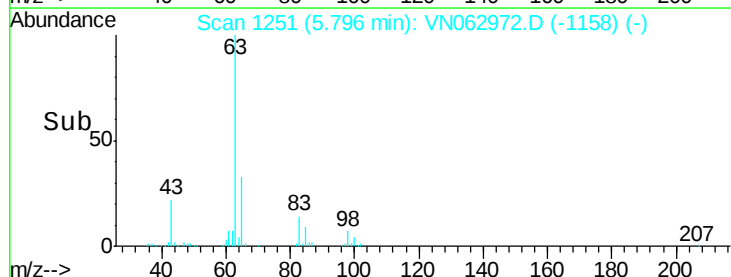
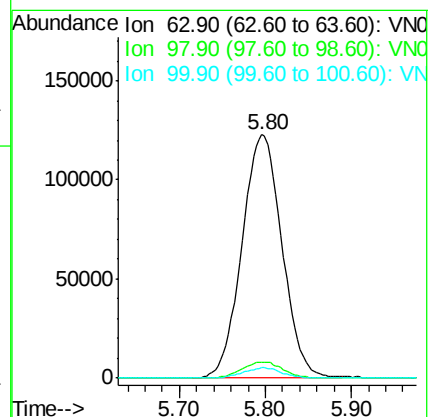
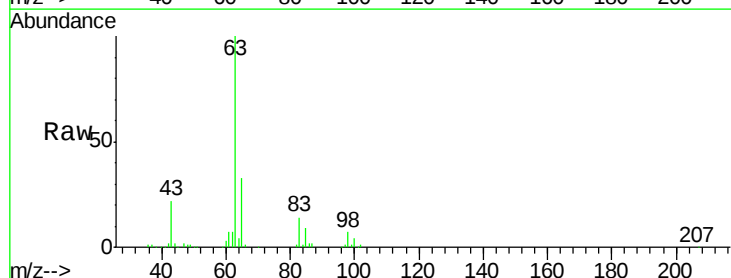
Tgt Ion: 63 Resp: 396788

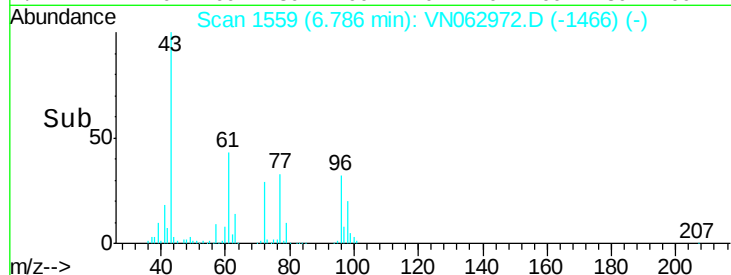
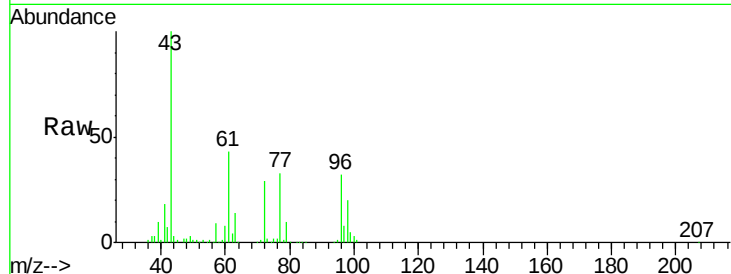
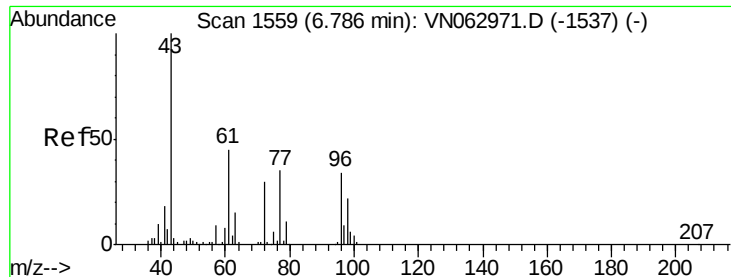
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.2 2.0 6.0





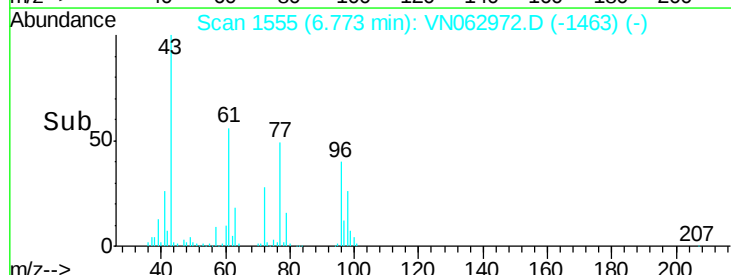
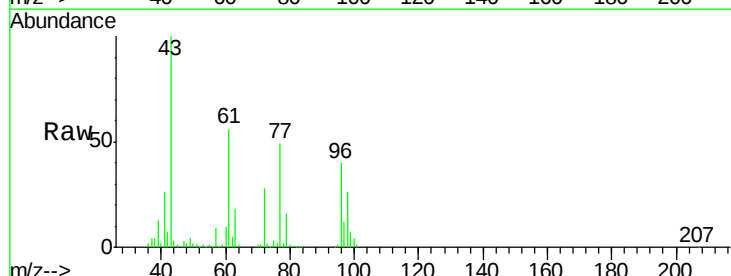
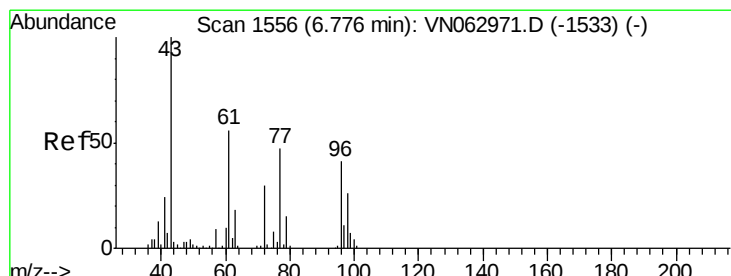
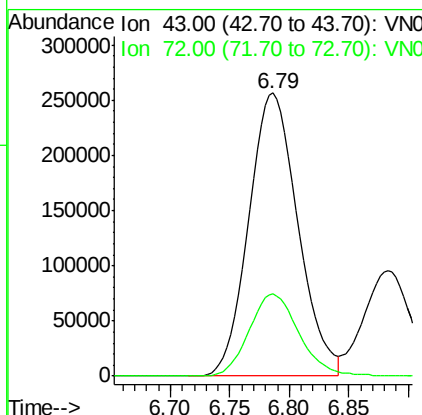
#25
2-Butanone
Concen: 363.568 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tot Ion: 43 Resp: 733202
Ion Ratio Lower Upper
43 100
72 29.0 23.9 35.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

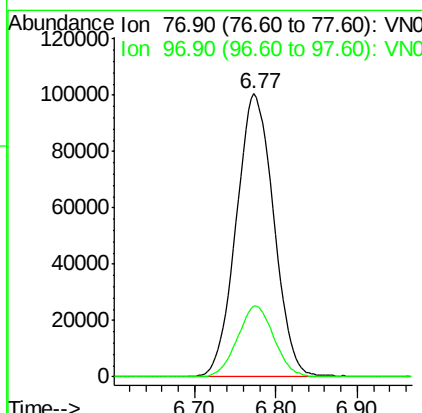
Manual Integrations
APPROVED

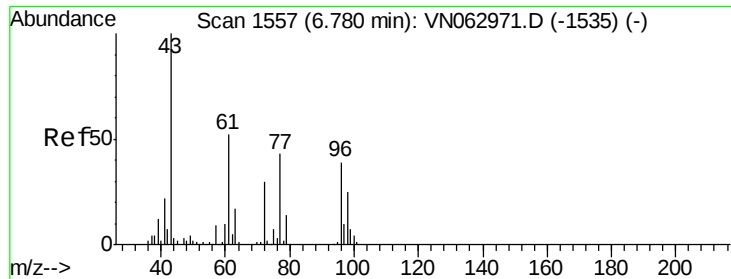
MMDadoda
8/18/2020 11:12:50 AM



#26
2,2-Dichloropropane
Concen: 66.134 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion: 77 Resp: 320126
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.1





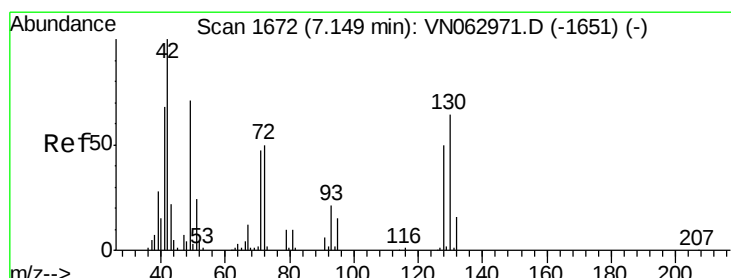
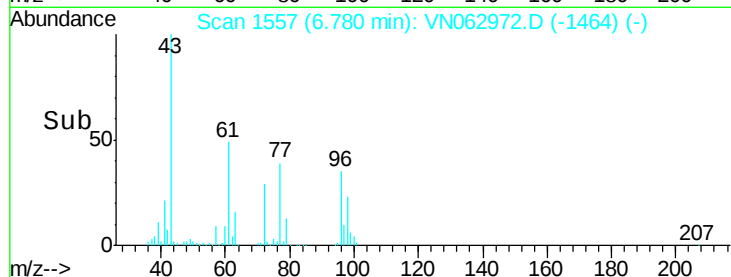
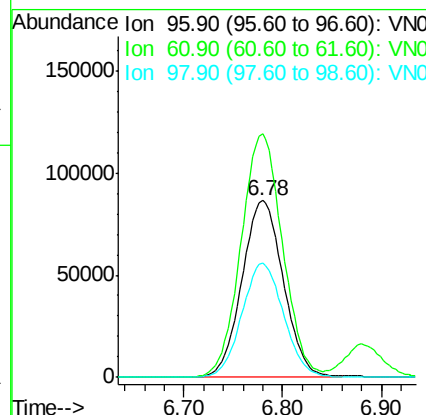
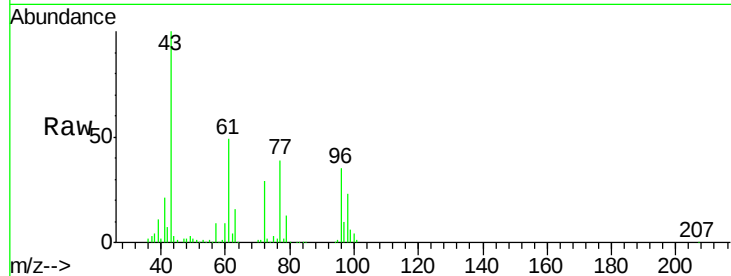
#27
 cis-1,2-Dichloroethene
 Concen: 84.151 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252074		
61	137.8	0.0	270.4	
98	64.9	0.0	128.2	

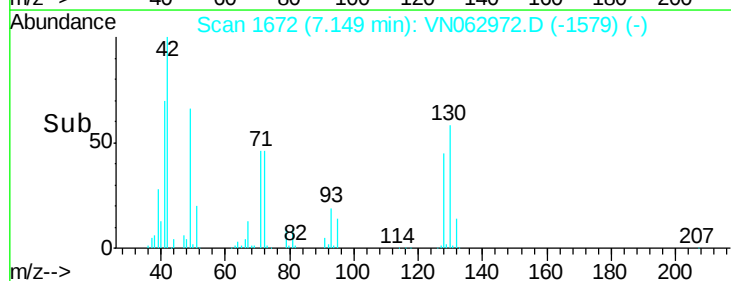
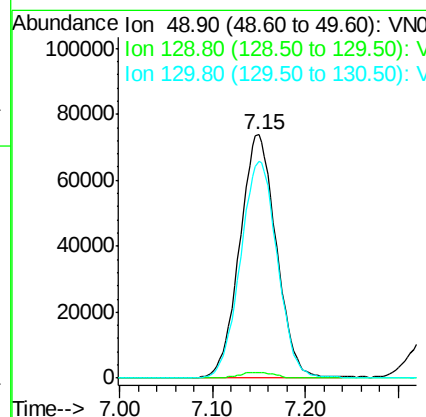
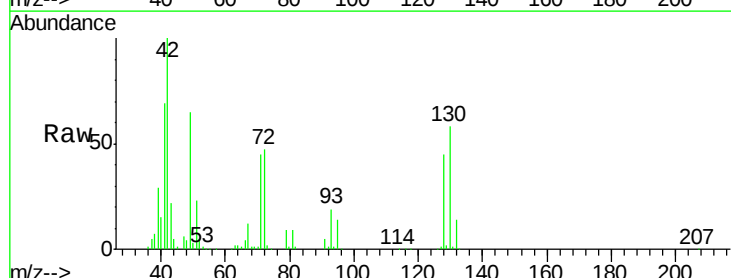
Manual Integrations
 APPROVED

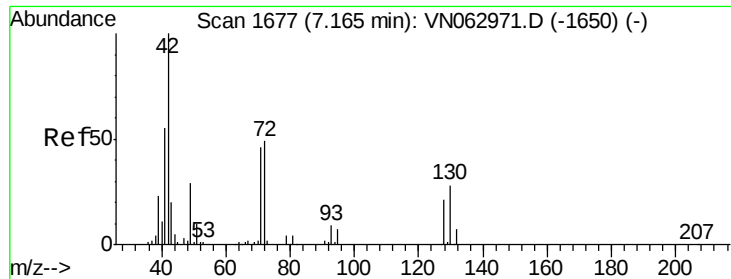
MMDadoda
 8/18/2020 11:12:50 AM



#28
 Bromochloromethane
 Concen: 77.974 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	202523		
129	2.2	0.0	4.2	
130	89.7	73.5	110.3	





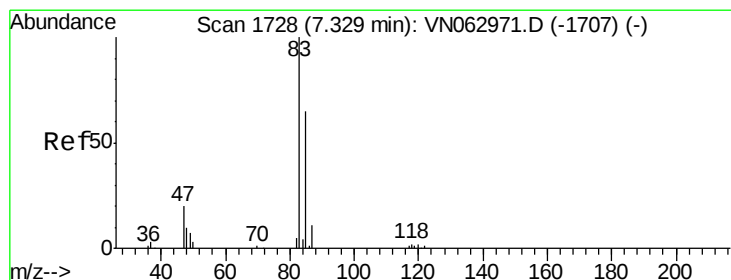
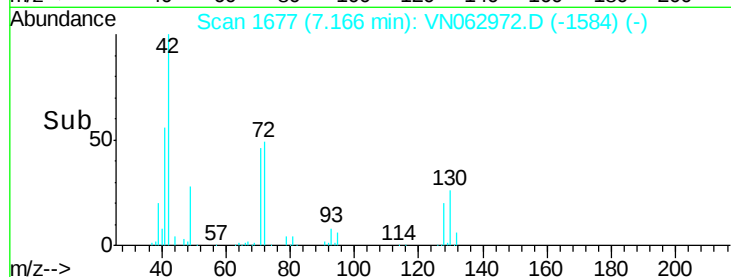
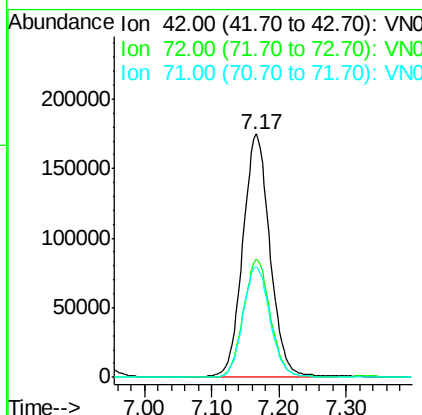
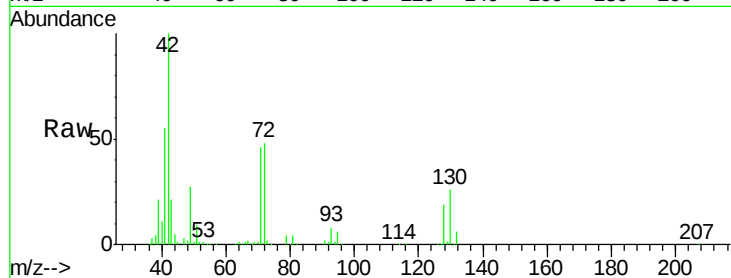
#29
Tetrahydrofuran
Concen: 374.591 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	39.4	59.2
71	45.0	37.2	55.8

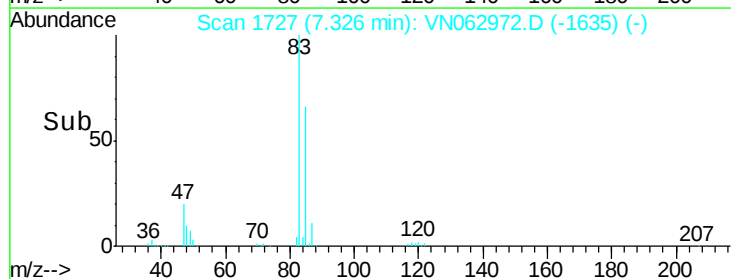
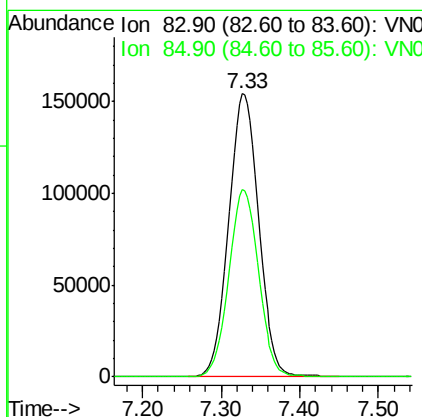
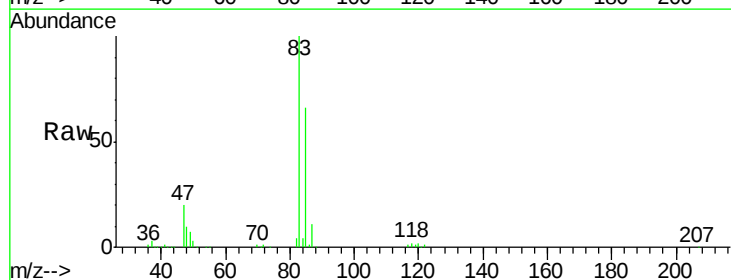
Manual Integrations
APPROVED

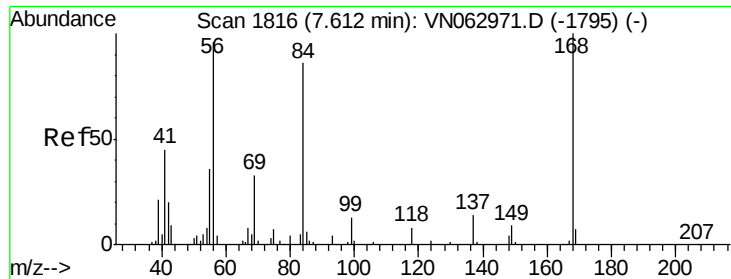
MMDadoda
8/18/2020 11:12:50 AM



#30
Chloroform
Concen: 72.152 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.4





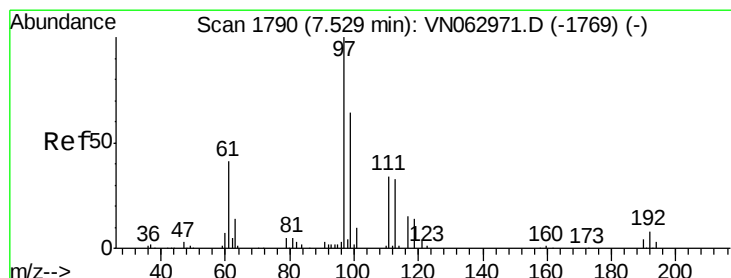
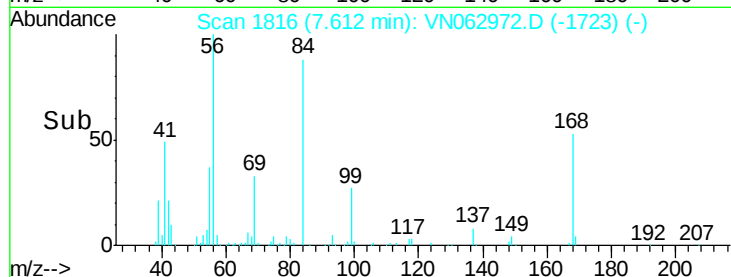
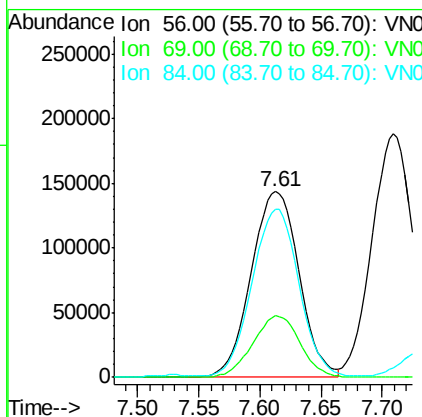
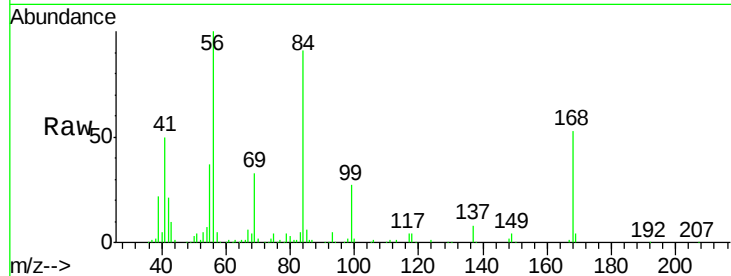
#31
Cvclohexane
Concen: 80.176 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100	392620		
69	33.0		27.4	41.2
84	89.8		71.3	106.9

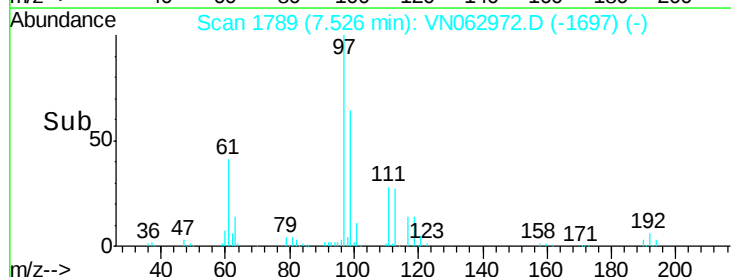
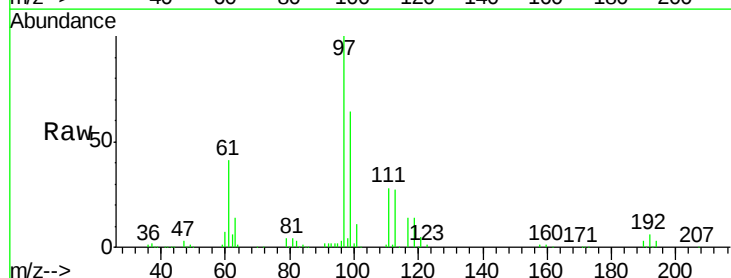
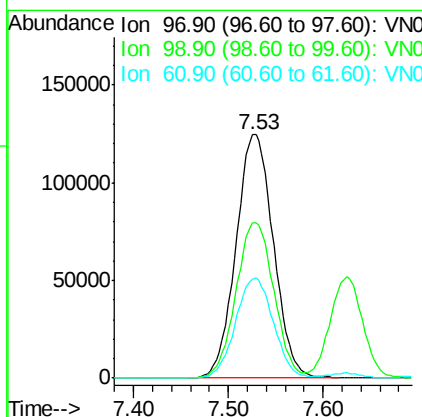
Manual Integrations
APPROVED

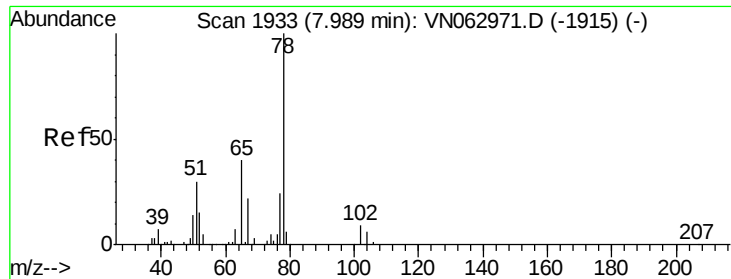
MMDadoda
8/18/2020 11:12:50 AM



#32
1,1,1-Trichloroethane
Concen: 68.598 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	342469		
99	64.6		52.2	78.4
61	41.5		33.5	50.3





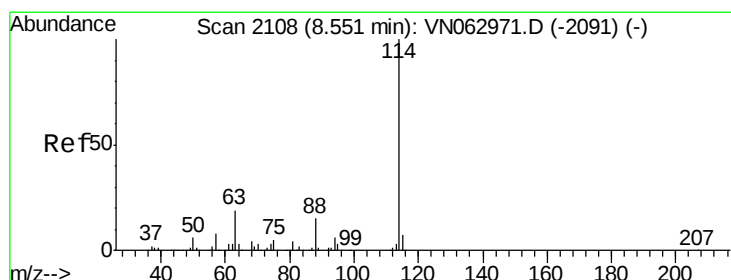
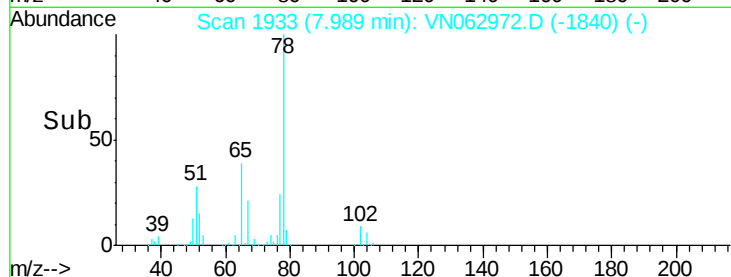
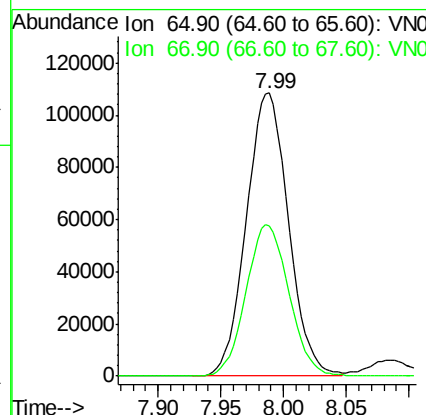
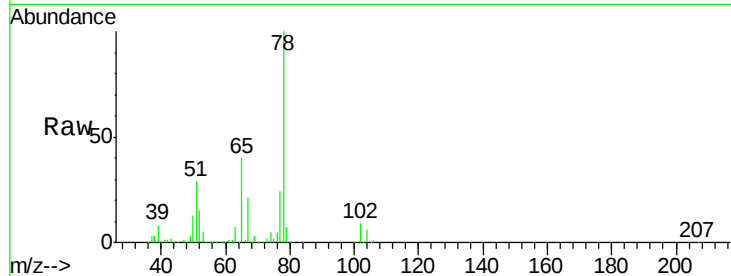
#33
 1,2-Dichloroethane-d4
 Concen: 64.945 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	253743		
67	54.7	0.0	108.6	

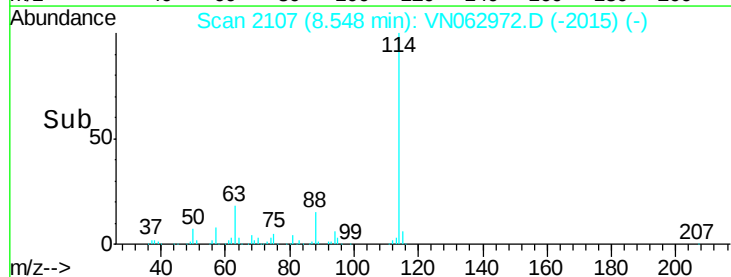
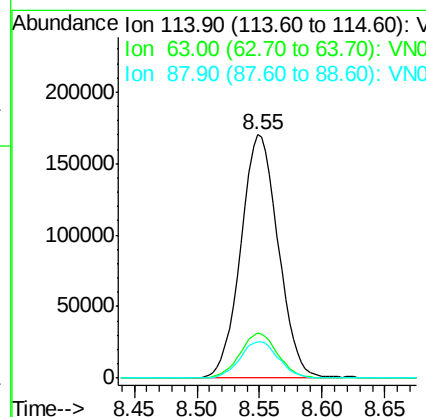
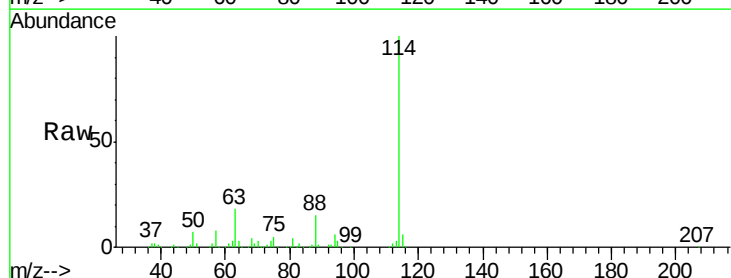
Manual Integrations
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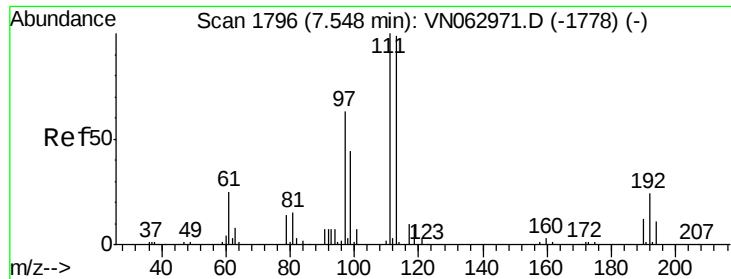
MMDadoda
 8/18/2020 11:12:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353944		
63	18.4	0.0	37.6	
88	15.1	0.0	31.0	





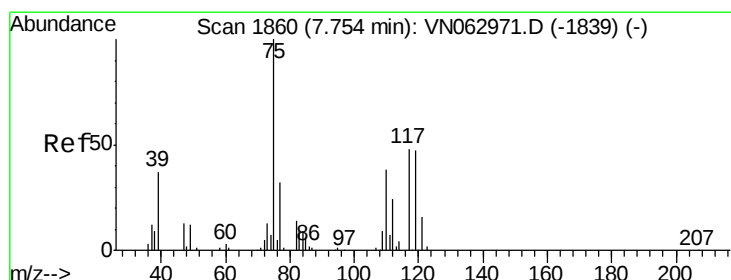
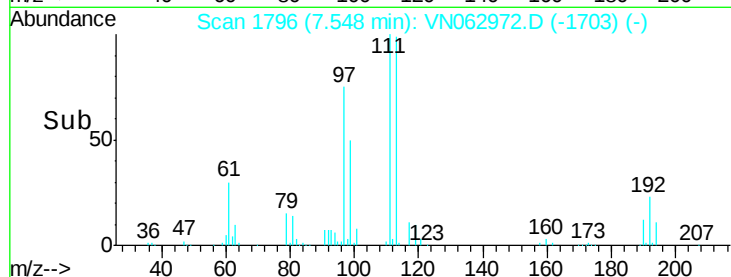
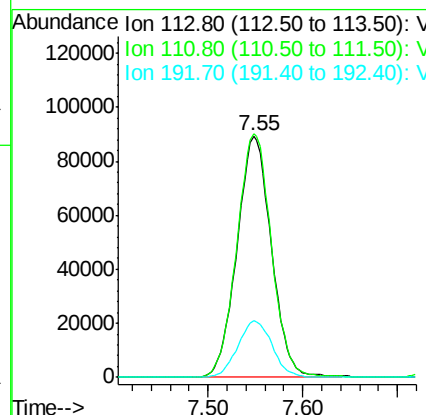
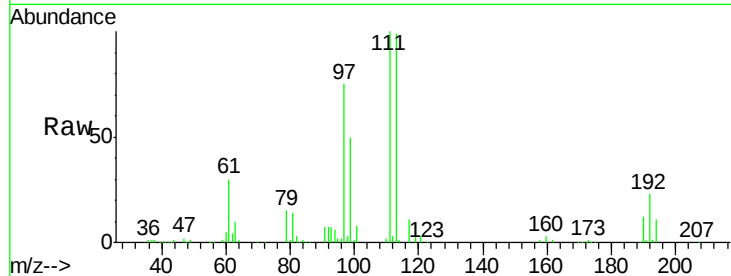
#35
 Dibromofluoromethane
 Concen: 93.860 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225005		
111	101.9	81.4	122.0	
192	23.5	19.2	28.8	

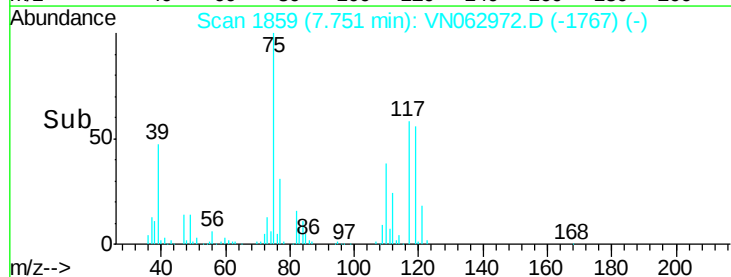
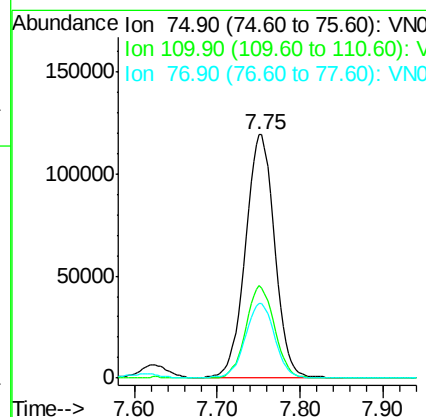
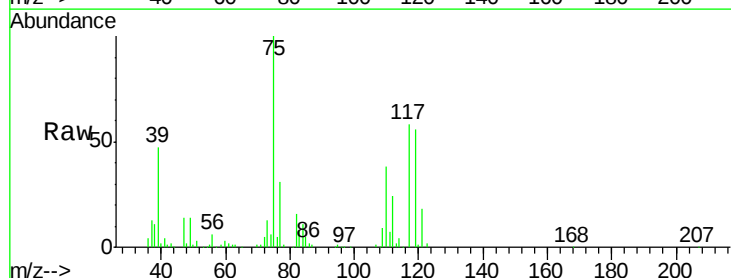
Manual Integrations
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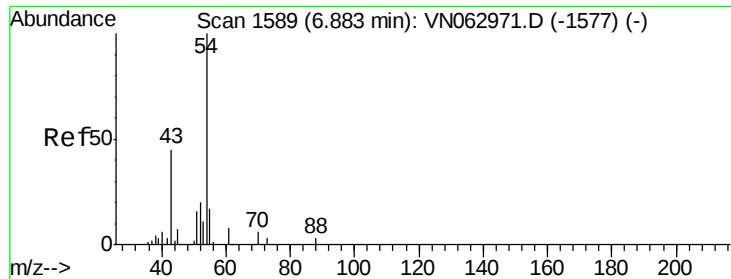
MMDadoda
 8/18/2020 11:12:50 AM



#36
 1,1-Dichloropropene
 Concen: 86.764 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	291036		
110	37.2	18.7	56.1	
77	31.1	25.6	38.4	





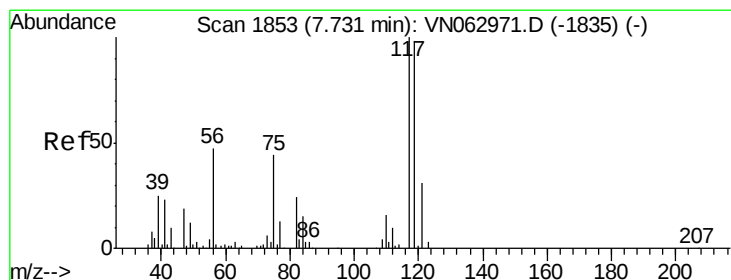
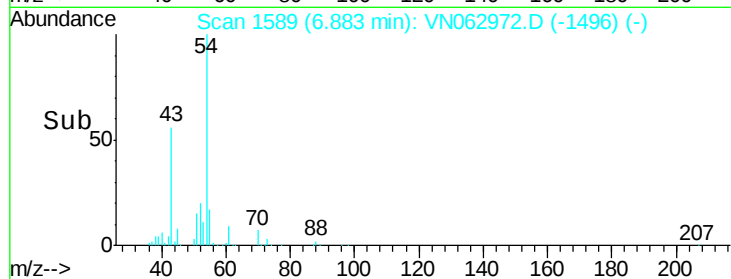
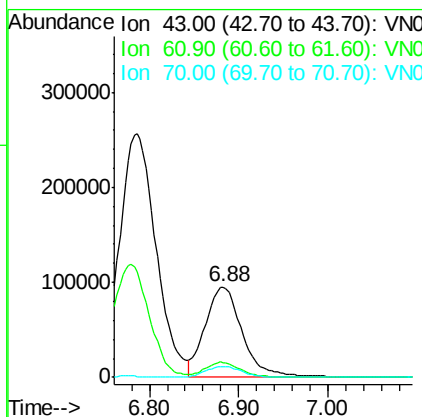
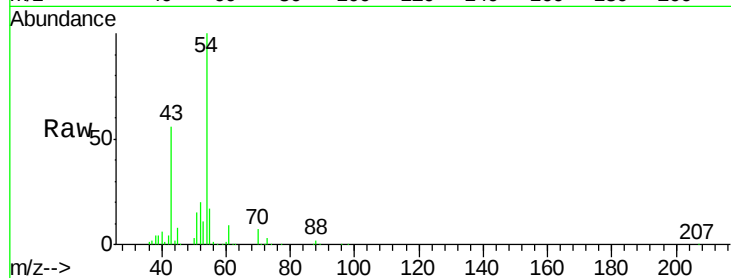
#37
Ethyl Acetate
Concen: 78.748 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.4	18.6
70	12.0	9.9	14.9

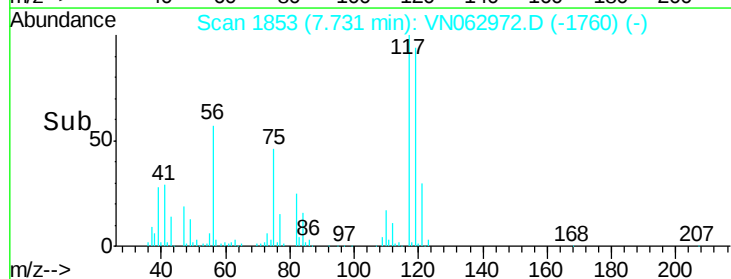
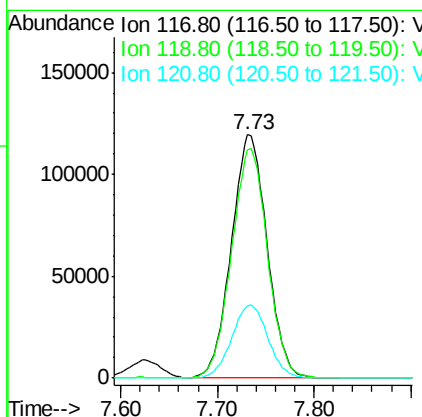
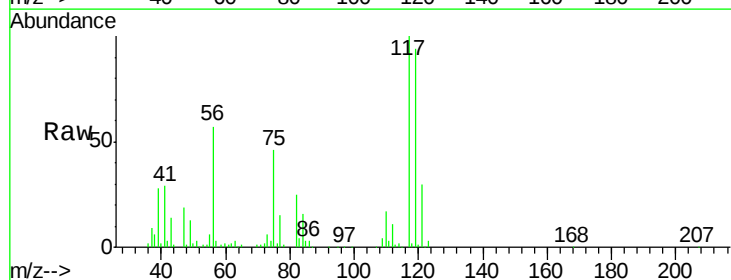
Manual Integrations
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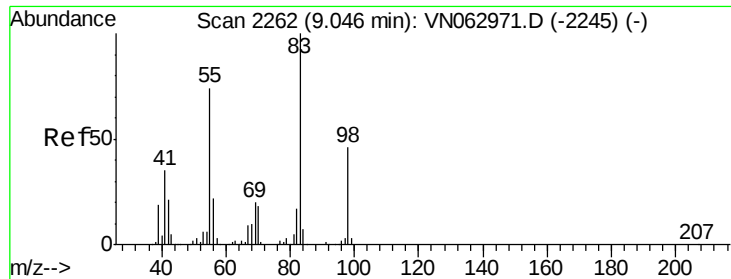
MMDadoda
8/18/2020 11:12:50 AM



#38
Carbon Tetrachloride
Concen: 77.014 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.9	116.9
121	29.8	24.8	37.2





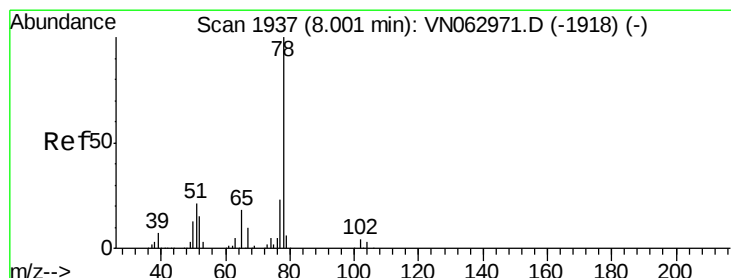
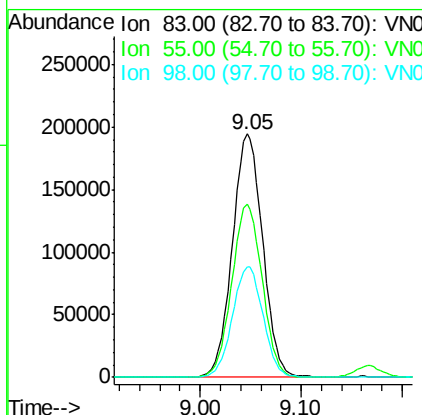
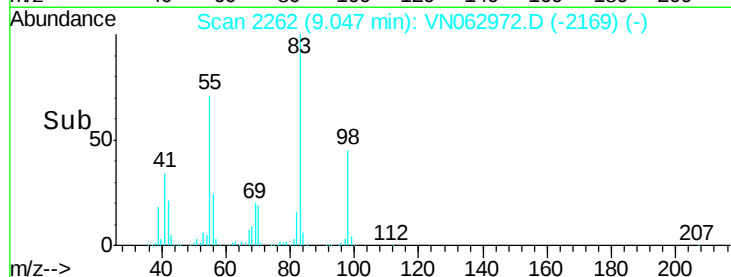
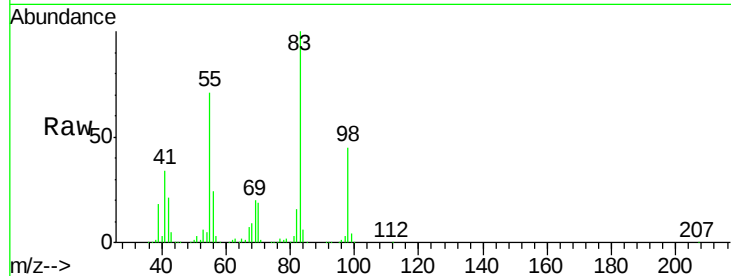
#39
Methvlcvclohexane
Concen: 98.344 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.1	59.0	88.6	
98	45.2	36.8	55.2	

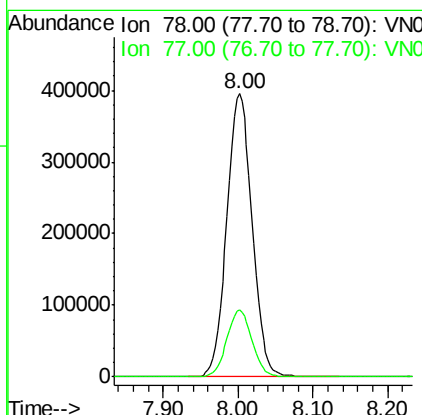
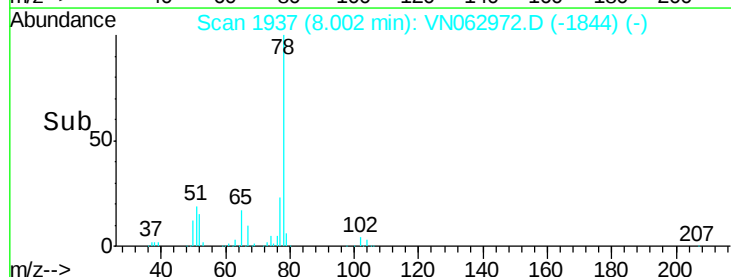
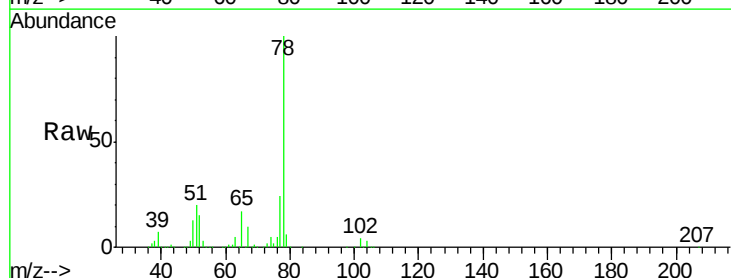
Manual Integrations
APPROVED

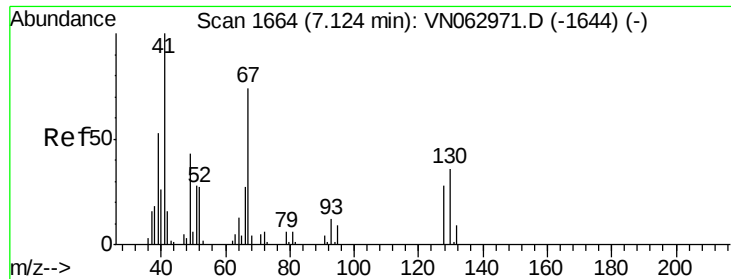
MMDadoda
8/18/2020 11:12:50 AM



#40
Benzene
Concen: 91.182 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.6	27.8	





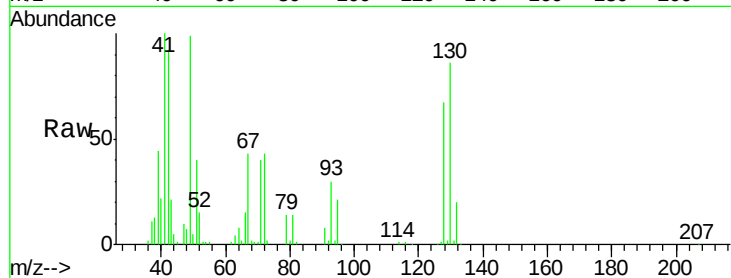
#41
Methacrylonitrile
Concen: 103.201 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. 0.02 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	58.6	88.0#
67	0.0	90.1	135.1#
52	0.0	34.7	52.1#

Manual Integrations
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8/18/2020 11:12:50 AM



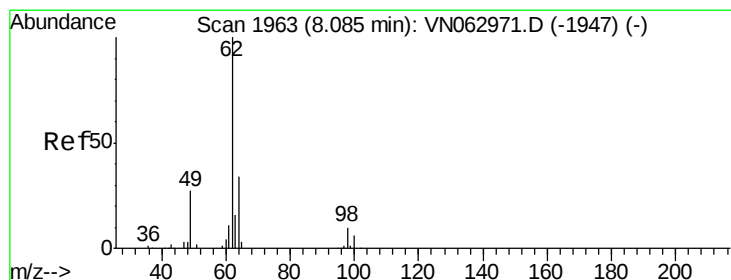
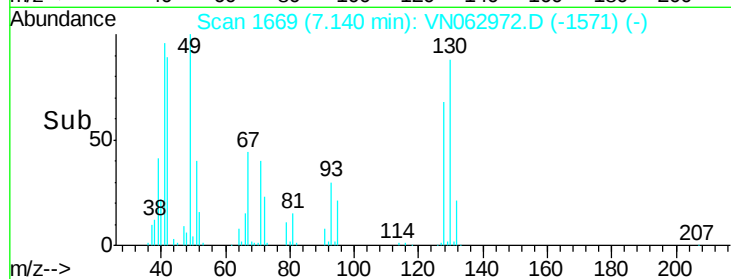
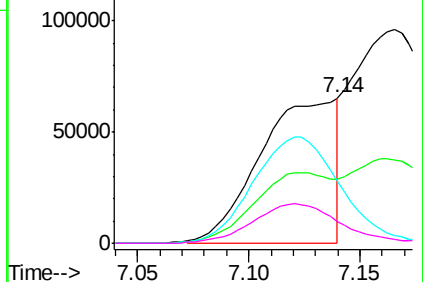
Abundance

Ion 41.00 (40.70 to 41.70): VN062971.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VN062971.D (-1644) (-)

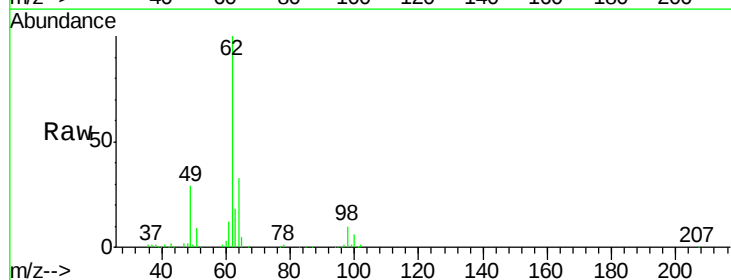
Ion 67.00 (66.70 to 67.70): VN062971.D (-1644) (-)

Ion 52.00 (51.70 to 52.70): VN062971.D (-1644) (-)



#42
1,2-Dichloroethane
Concen: 71.603 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

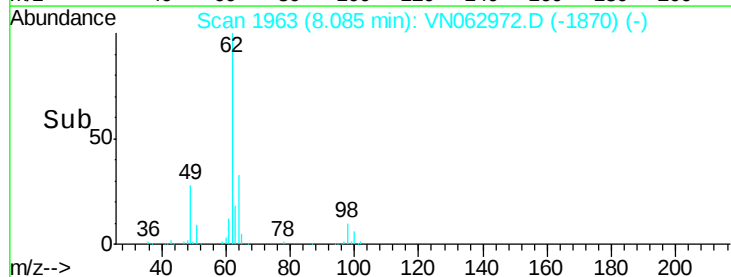
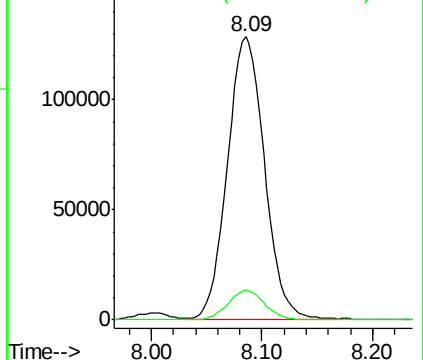
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8

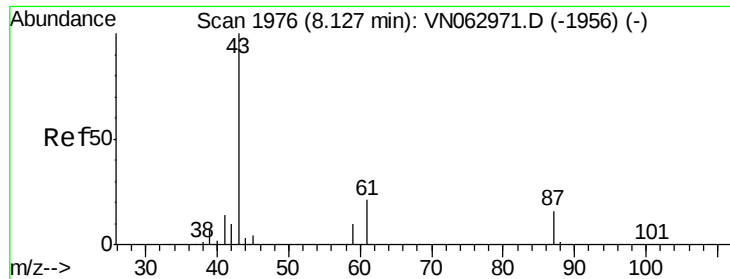


Abundance

Ion 61.90 (61.60 to 62.60): VN062972.D (-1870) (-)

Ion 97.90 (97.60 to 98.60): VN062972.D (-1870) (-)





#43

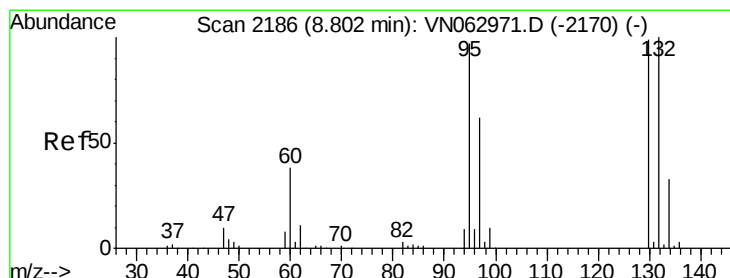
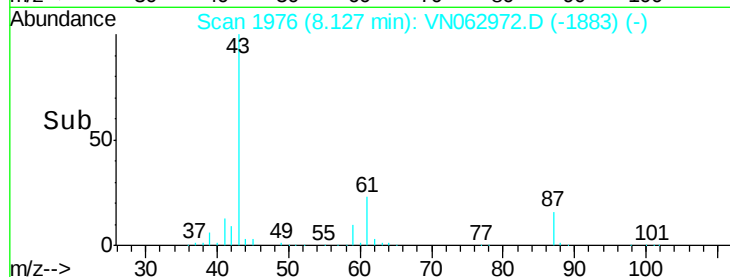
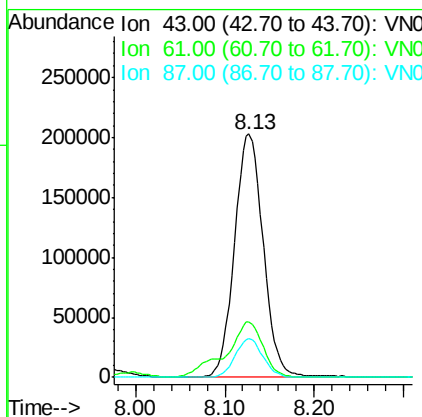
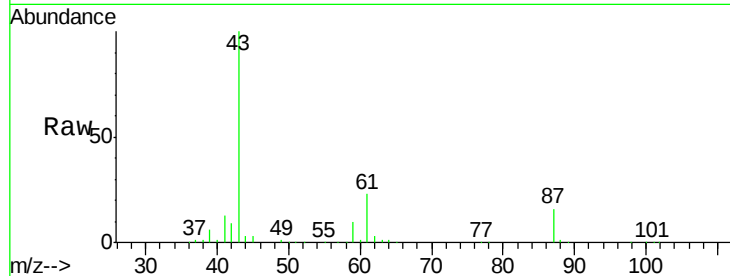
Isopropyl Acetate
 Concen: 78.834 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	24.6	36.8
87	15.4	12.4	18.6

Manual Integrations
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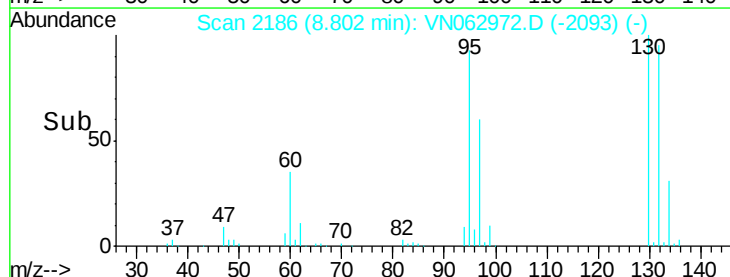
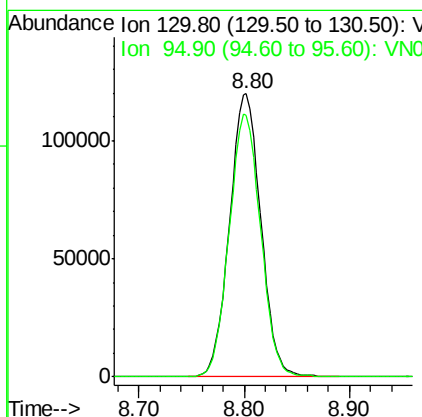
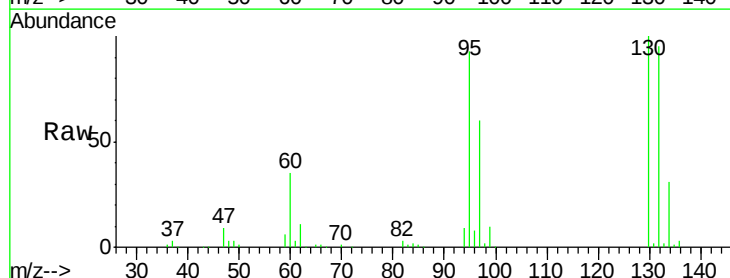
MMDadoda
 8/18/2020 11:12:50 AM

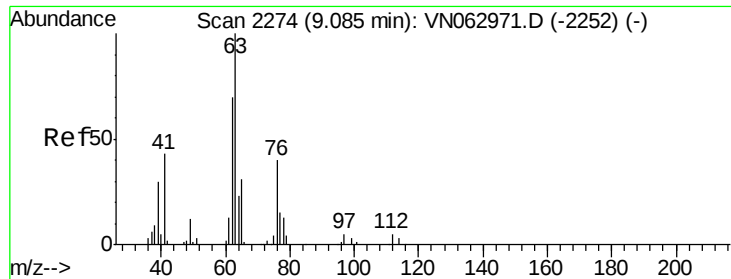


#44

Trichloroethene
 Concen: 97.534 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	194.2





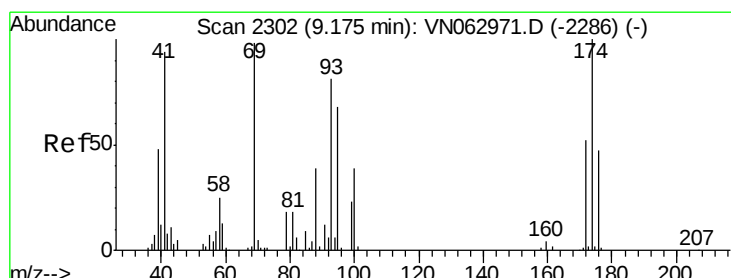
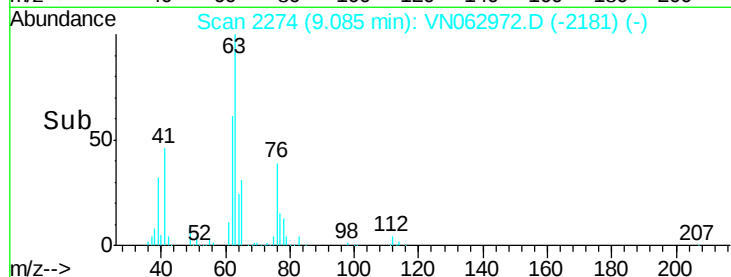
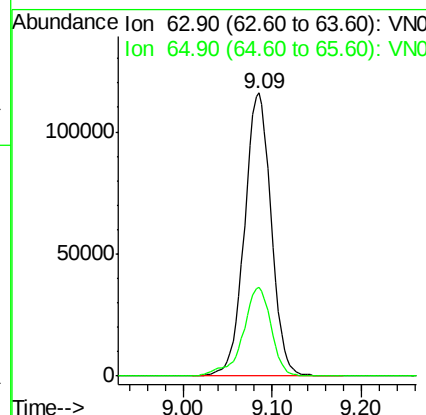
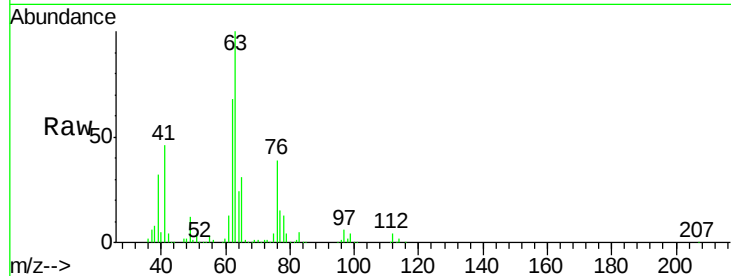
#45
 1,2-Dichloropropane
 Concen: 88.038 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

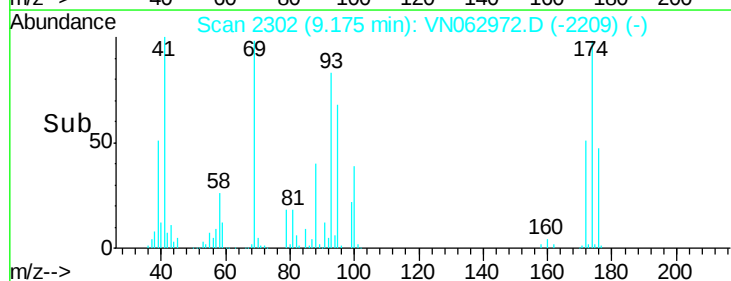
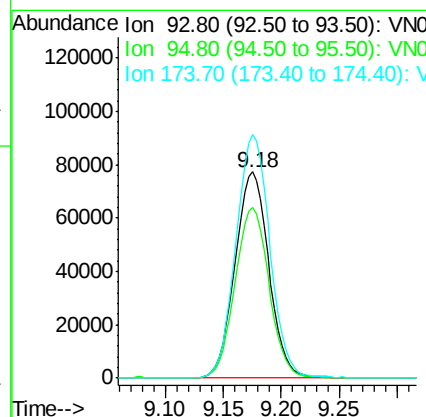
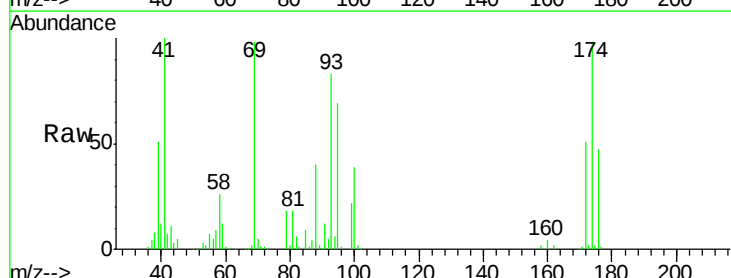
Manual Integrations
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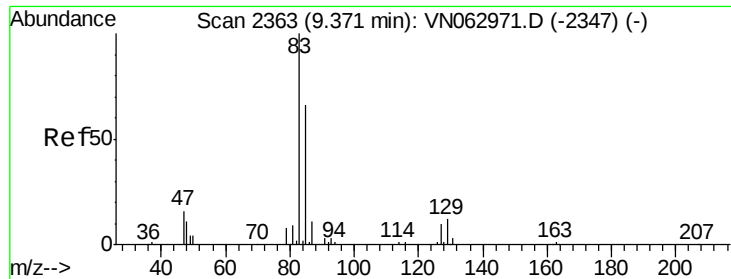
MMDadoda
 8/18/2020 11:12:50 AM



#46
 Dibromomethane
 Concen: 87.238 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	99.8
174	118.5	96.6	145.0





#47

Bromodichloromethane

Concen: 82.666 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

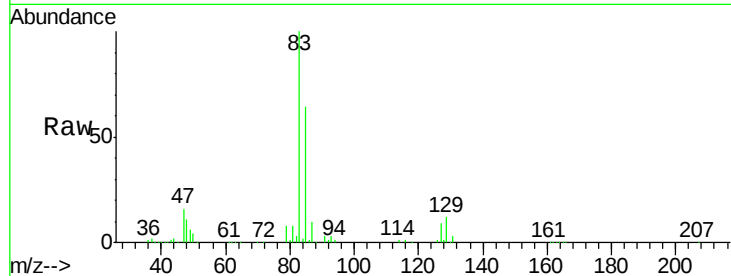
ClientSampleId :

VSTDIC100

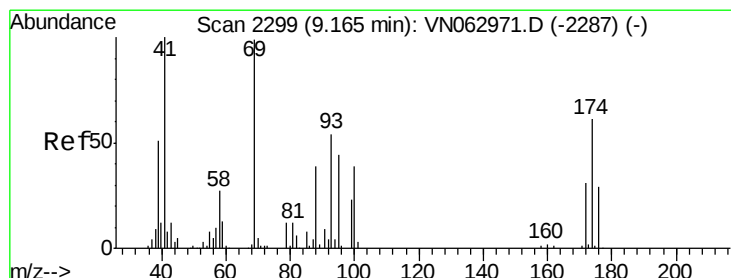
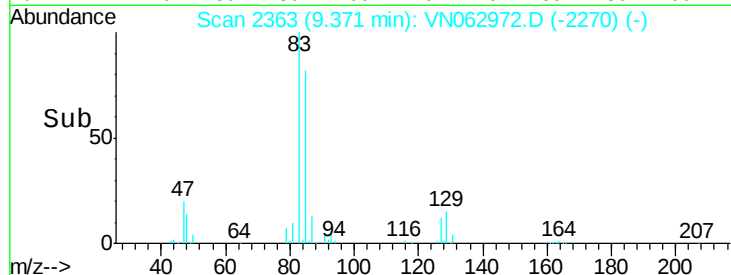
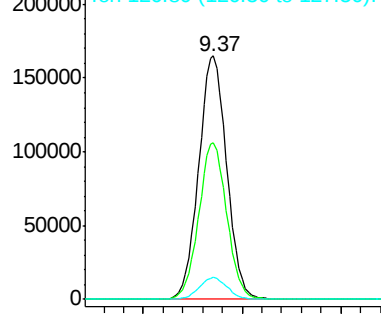
Tot Ion:	83	Resp:	327705
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6
127	9.0	7.8	11.6

Manual Integrations
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MMDadoda
8/18/2020 11:12:50 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062972.D (-2270) (-)



#48

Methyl methacrylate

Concen: 76.800 ug/l

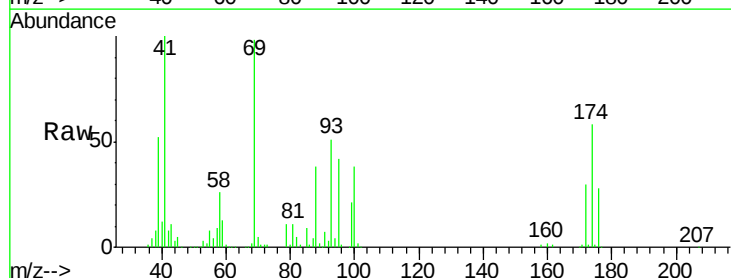
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

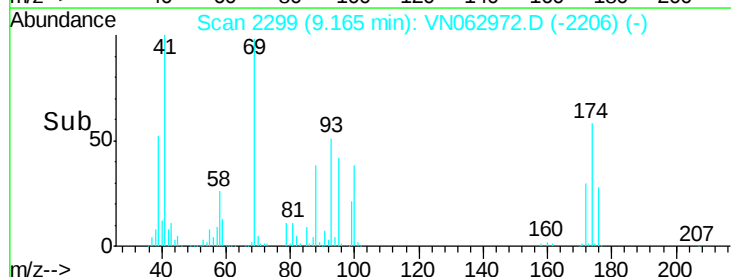
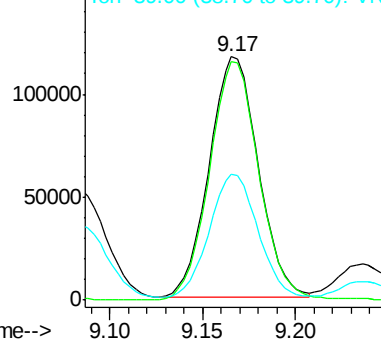
Lab File: VN062972.D

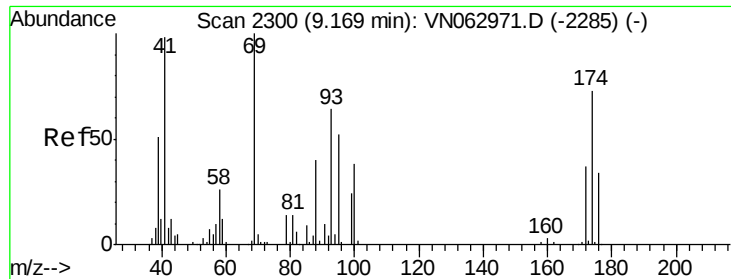
Acq: 17 Aug 2020 15:02

Tgt Ion:	41	Resp:	215822
Ion	Ratio	Lower	Upper
41	100		
69	100.7	81.1	121.7
39	50.9	42.4	63.6



Abundance Ion 41.00 (40.70 to 41.70): VN062972.D (-2206) (-)





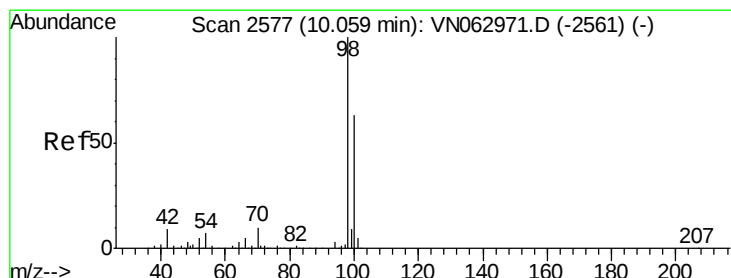
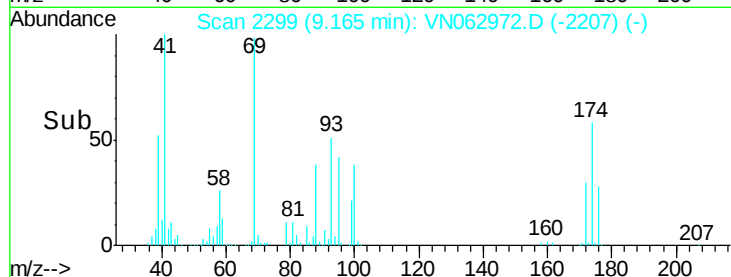
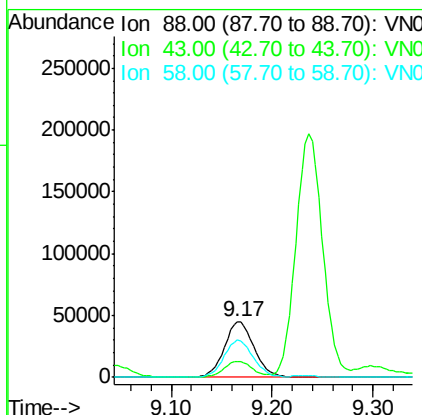
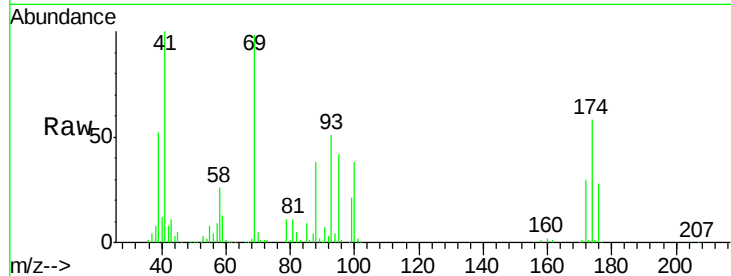
#49
1,4-Dioxane
Concen: 1761.361 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.1	34.7
58	66.0	53.1	79.7

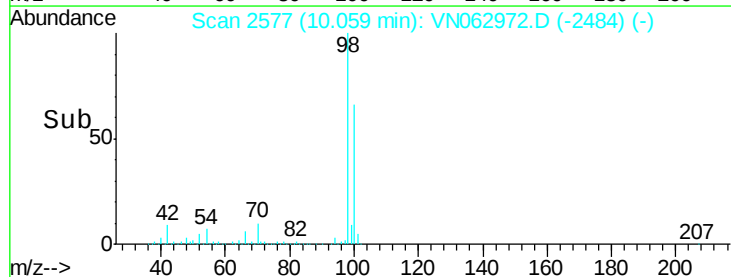
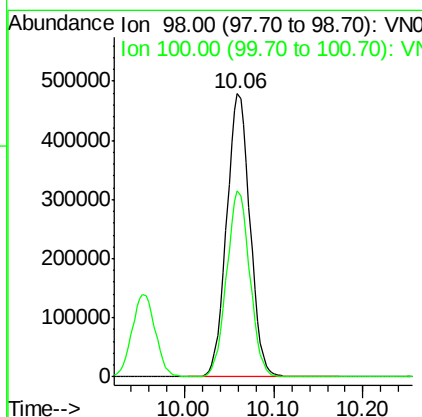
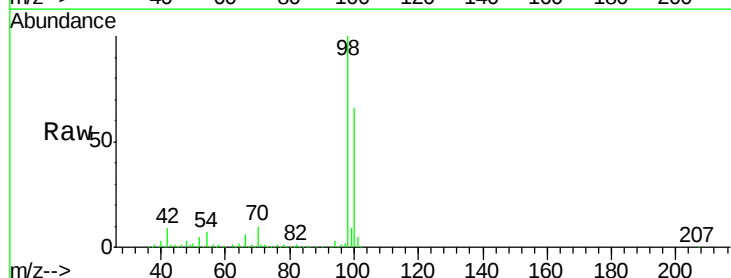
Manual Integrations
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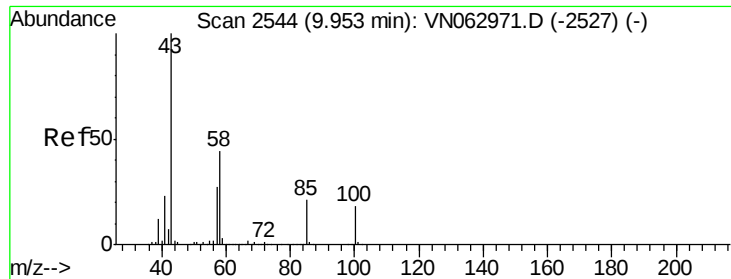
MMDadoda
8/18/2020 11:12:50 AM



#50
Toluene-d8
Concen: 92.622 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 391.256 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1448505

Ion Ratio Lower Upper

43 100

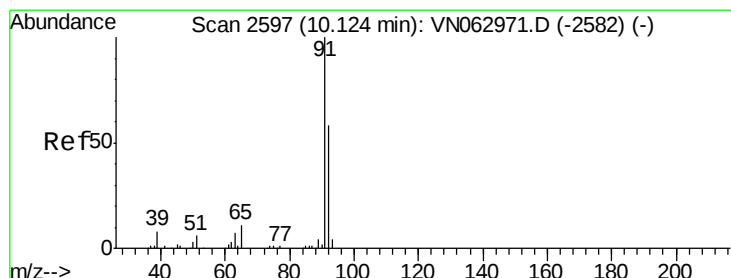
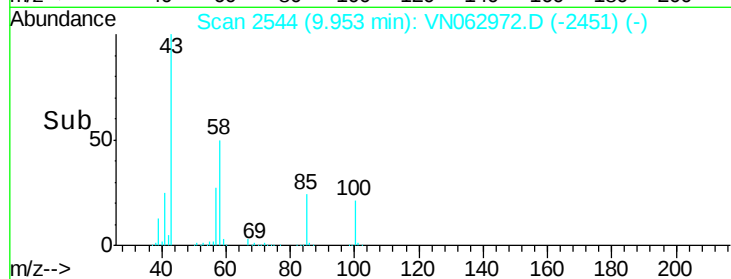
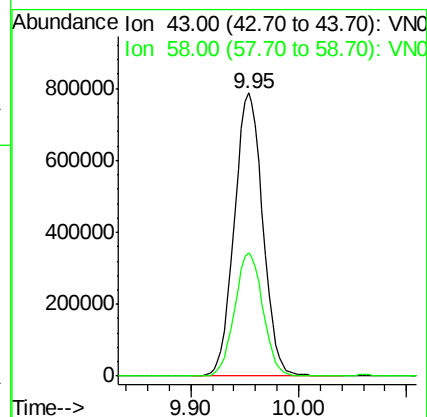
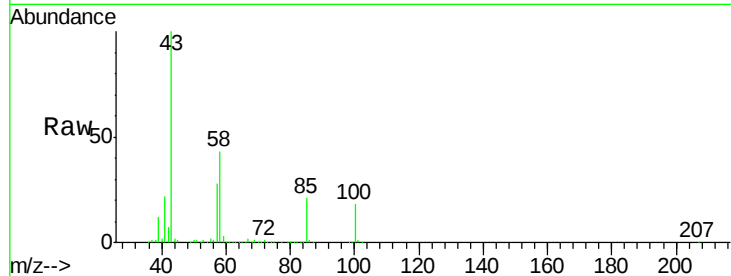
58 43.2 34.3 51.5

Manual Integrations

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MMDadoda

8/18/2020 11:12:50 AM



#52

Toluene

Concen: 93.701 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062972.D

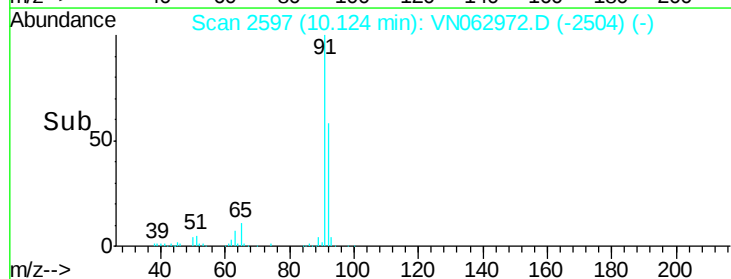
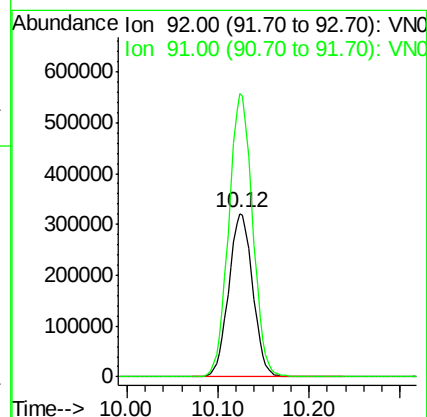
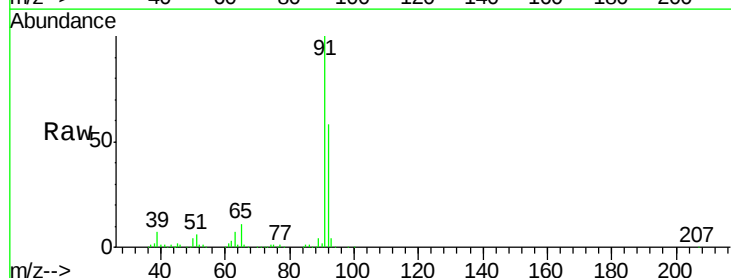
Acq: 17 Aug 2020 15:02

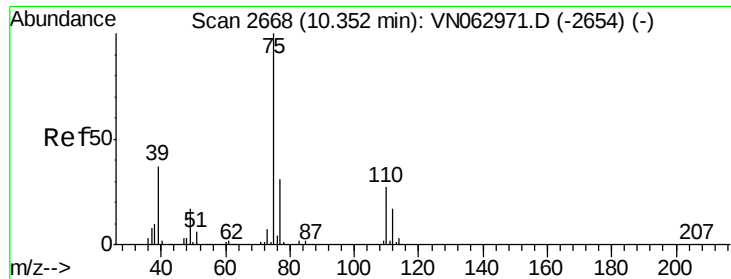
Tgt Ion: 92 Resp: 590407

Ion Ratio Lower Upper

92 100

91 172.4 138.6 207.8





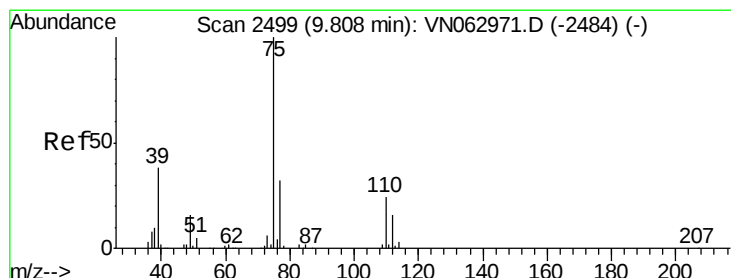
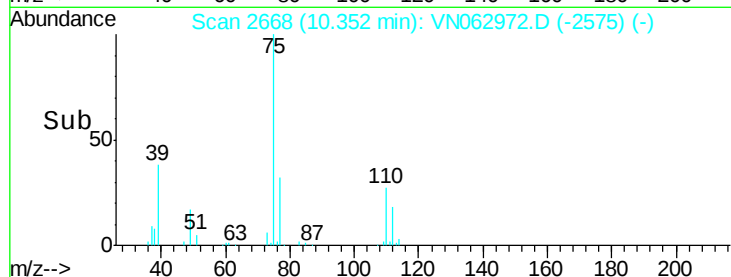
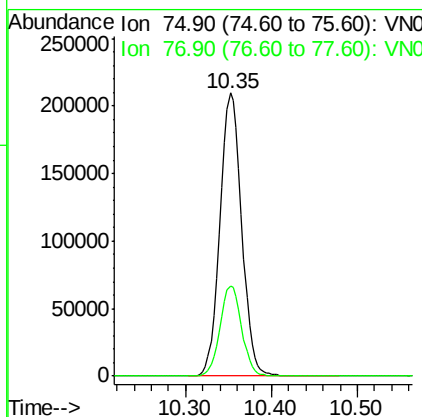
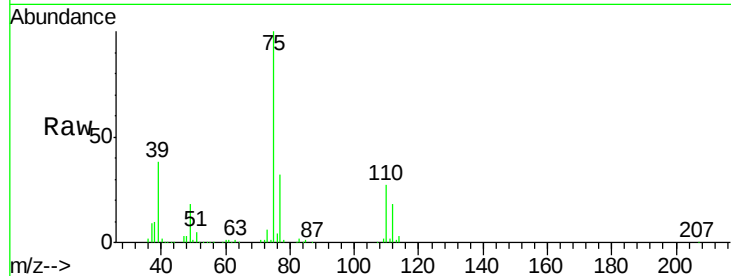
#53
t-1,3-Dichloropropene
Concen: 84.748 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 368050
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4

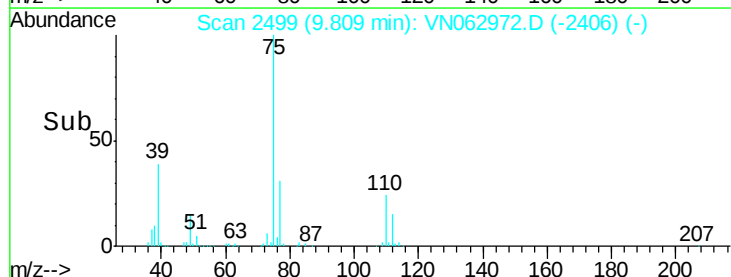
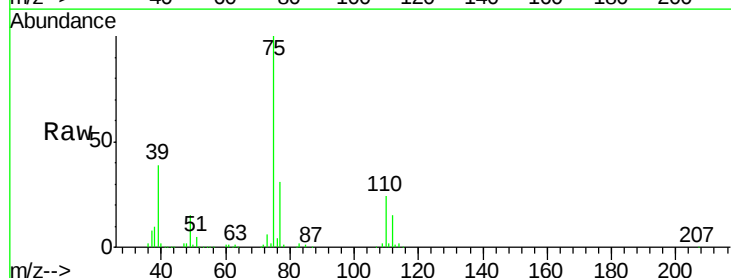
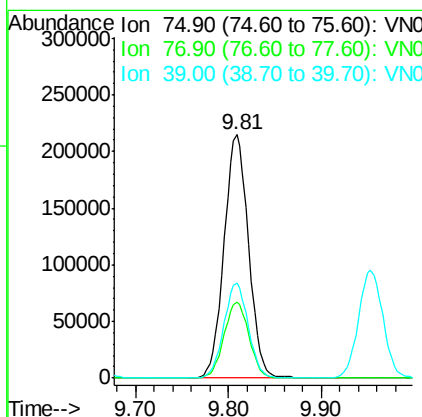
Manual Integrations
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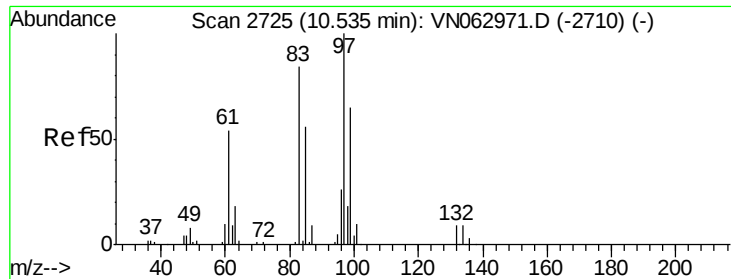
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 88.833 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion: 75 Resp: 393626
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 38.9 30.6 46.0





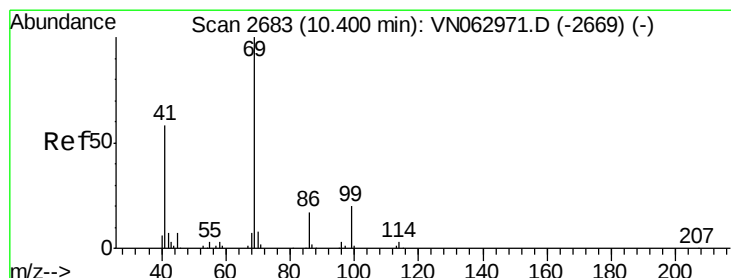
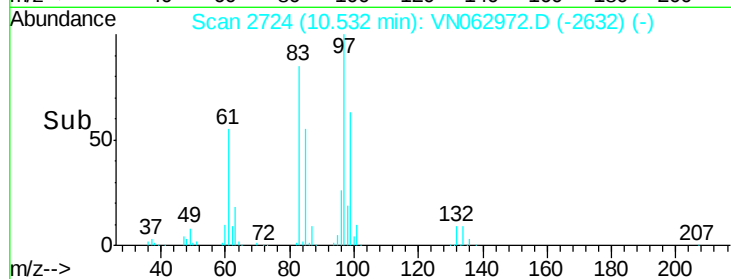
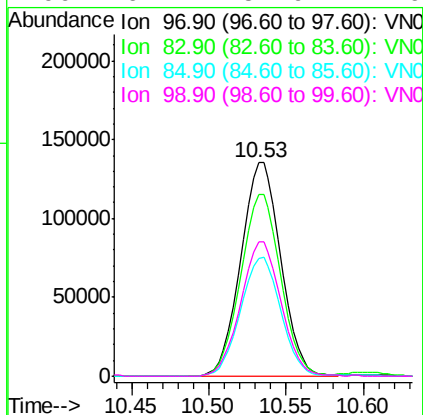
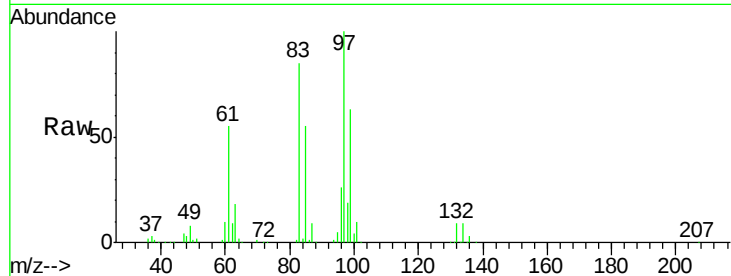
#55
 1,1,2-Trichloroethane
 Concen: 90.375 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	243866
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.0	100.4
85	55.4	44.4	66.6
99	62.7	51.9	77.9

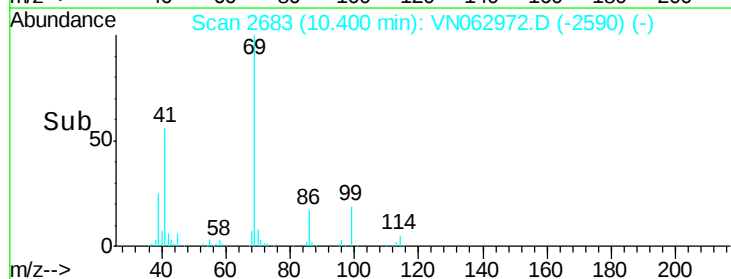
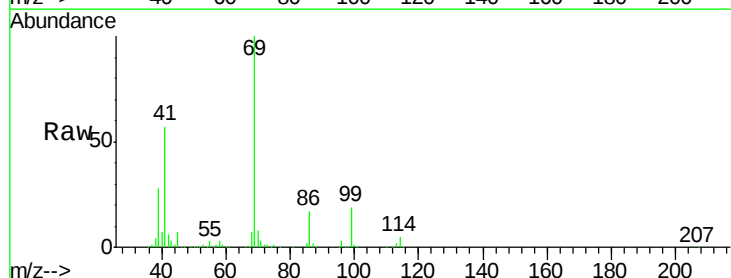
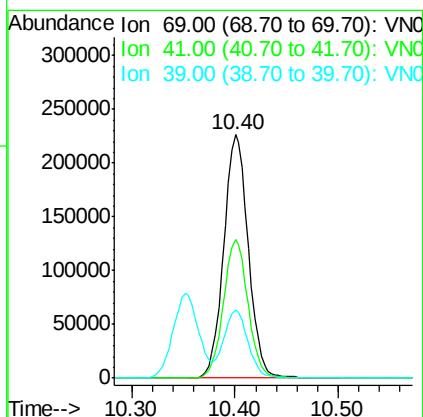
Manual Integrations
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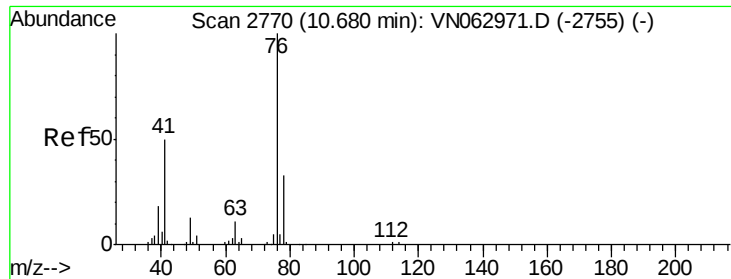
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 95.061 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion:	69	Resp:	375880
Ion	Ratio	Lower	Upper
69	100		
41	56.4	46.0	69.0
39	27.9	23.4	35.0





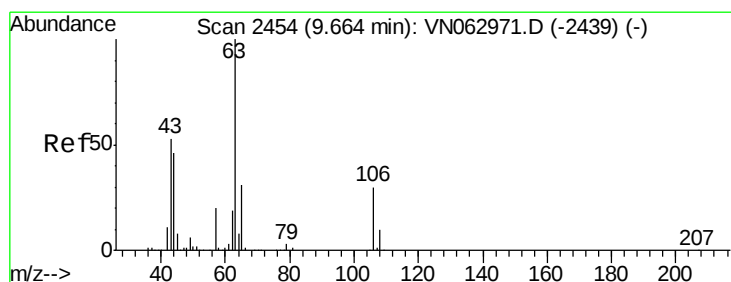
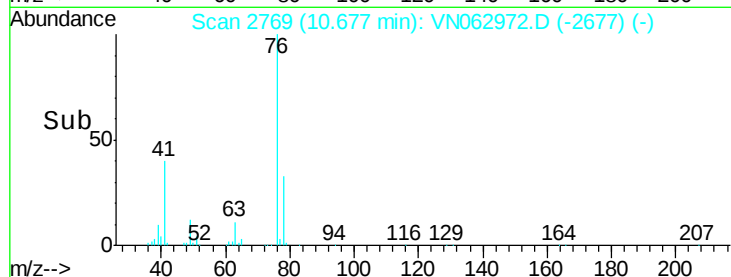
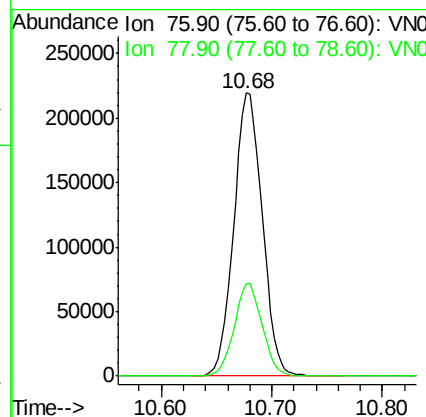
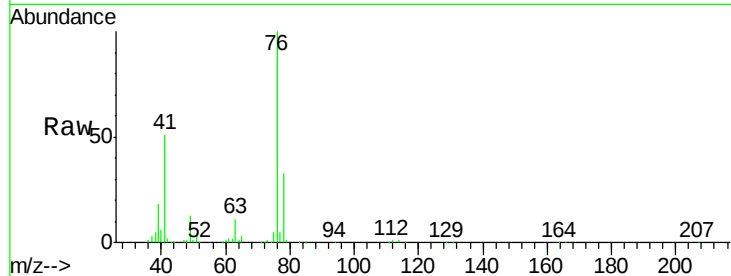
#57
 1,3-Dichloropropane
 Concen: 87.288 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 393629
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

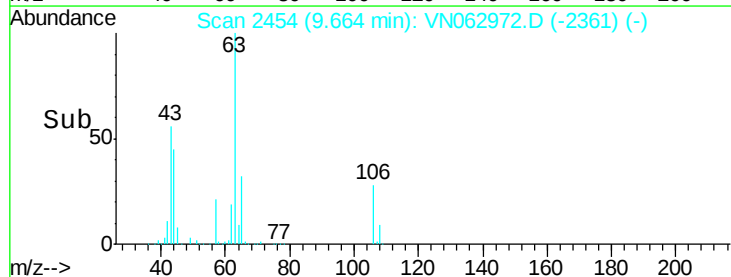
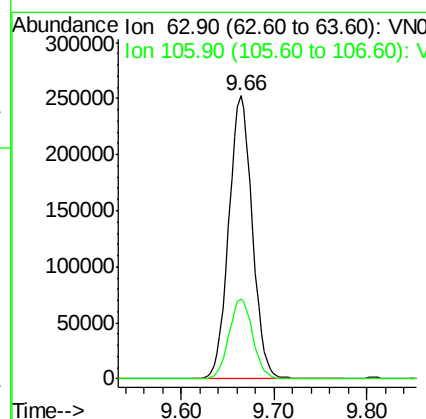
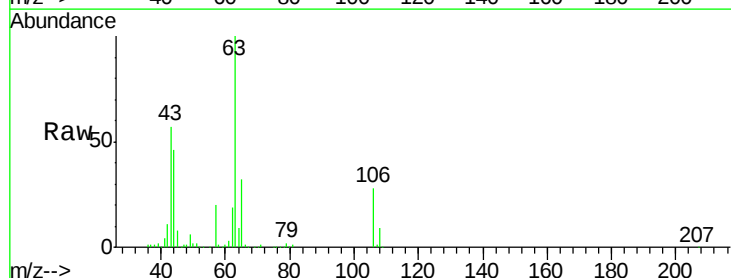
Manual Integrations
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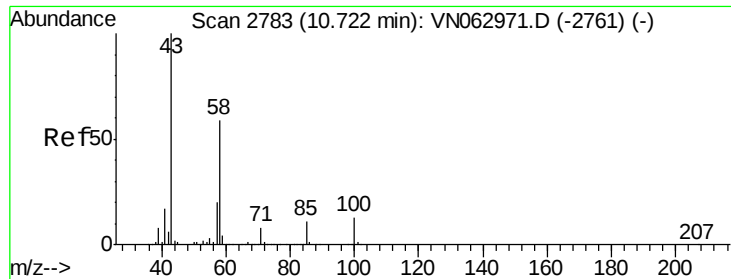
MMDadoda
 8/18/2020 11:12:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 405.026 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion: 63 Resp: 443228
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.4 35.2





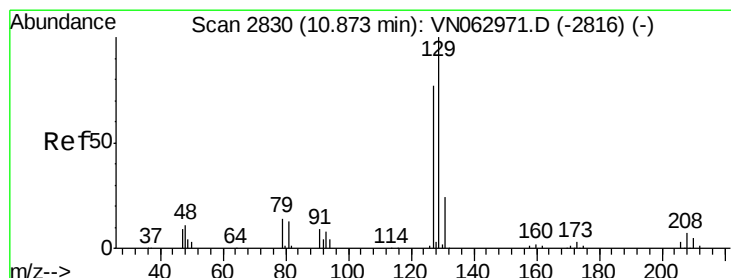
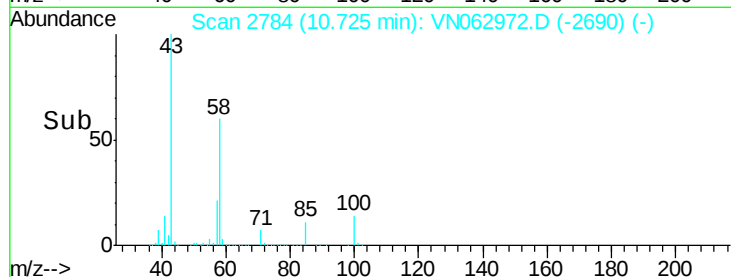
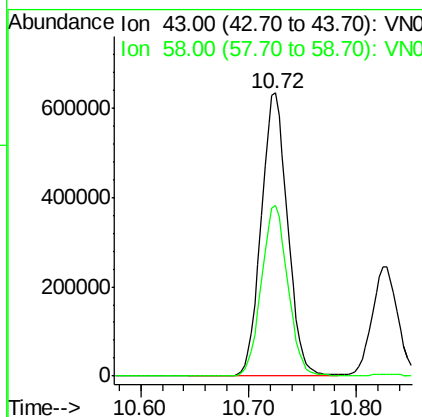
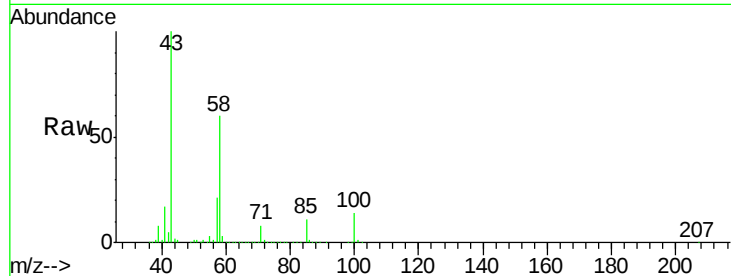
#59
2-Hexanone
Concen: 391.206 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1074730
Ion Ratio Lower Upper
43 100
58 60.3 29.5 88.5

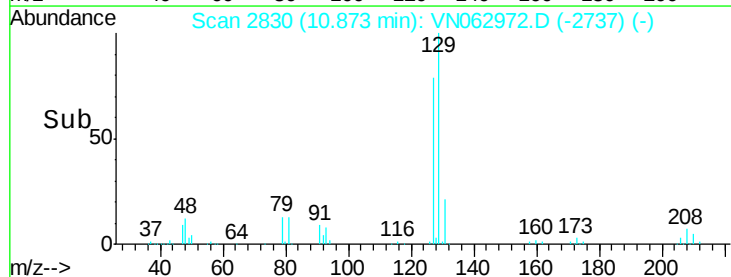
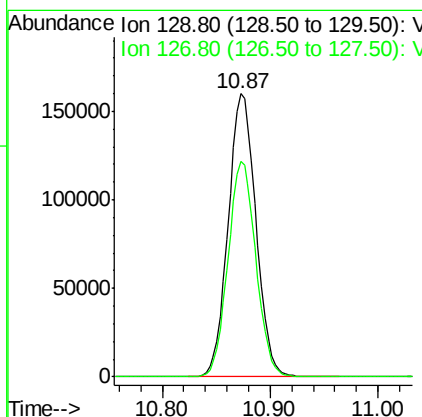
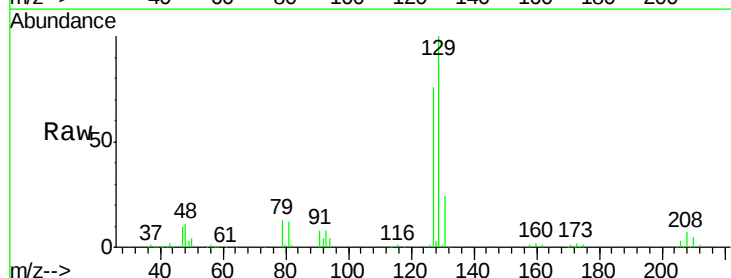
Manual Integrations
APPROVED

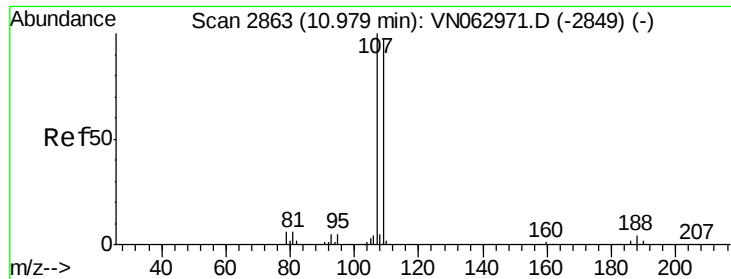
MMDadoda
8/18/2020 11:12:50 AM



#60
Dibromochloromethane
Concen: 93.459 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion: 129 Resp: 285476
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





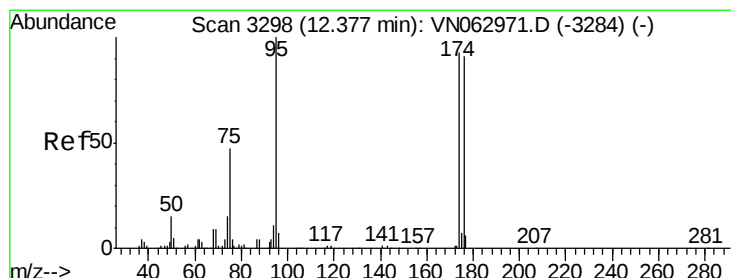
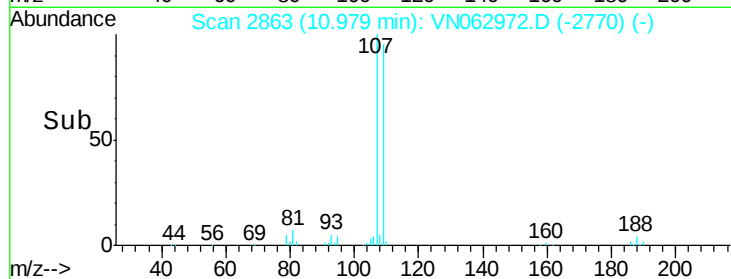
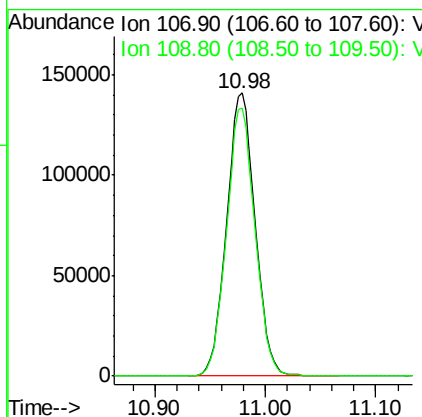
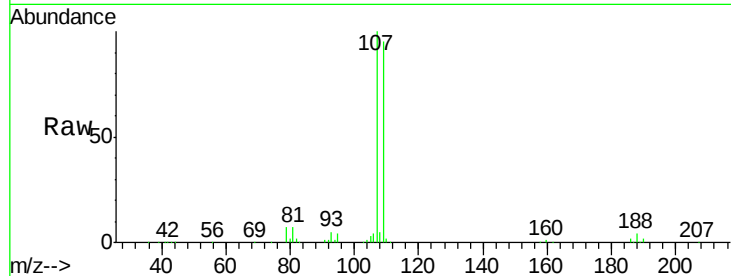
#61
 1,2-Dibromoethane
 Concen: 94.929 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	252403		
109	95.0	76.6	115.0	

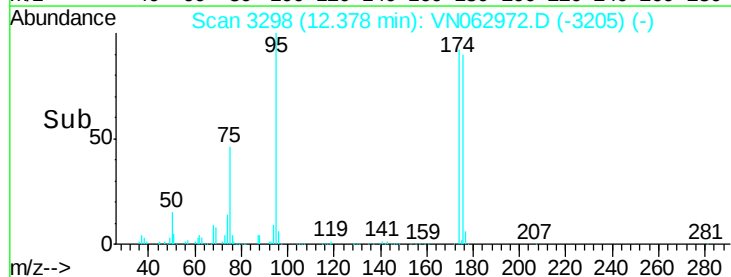
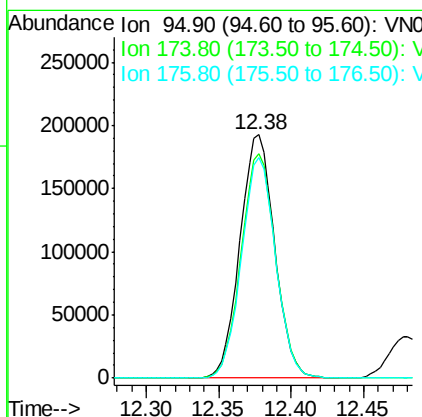
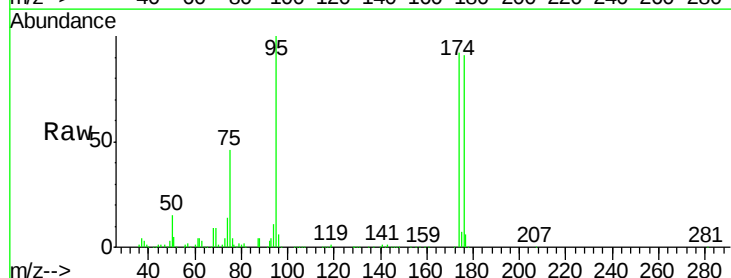
Manual Integrations
 APPROVED

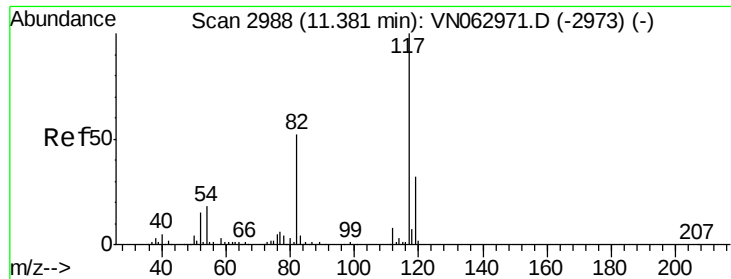
MMDadoda
 8/18/2020 11:12:50 AM



#62
 4-Bromofluorobenzene
 Concen: 92.051 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	320317		
174	91.9	0.0	185.2	
176	89.5	0.0	178.8	





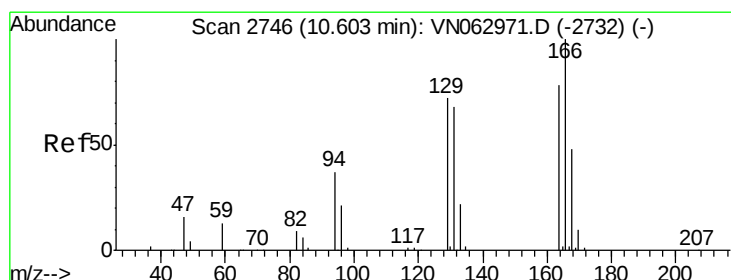
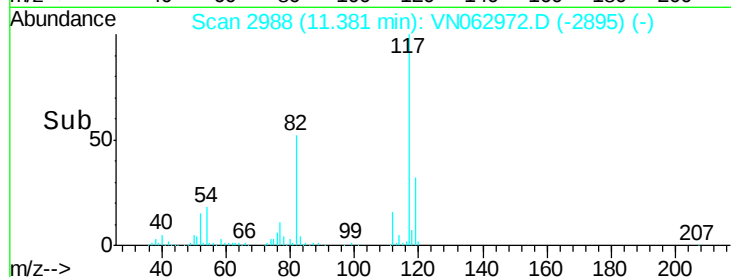
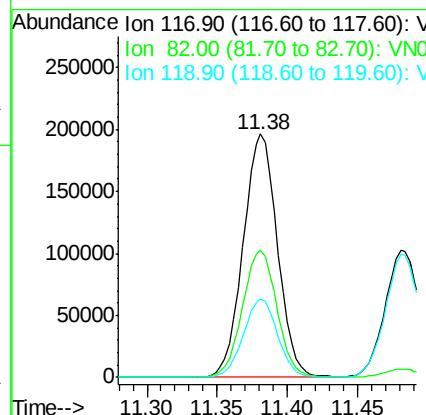
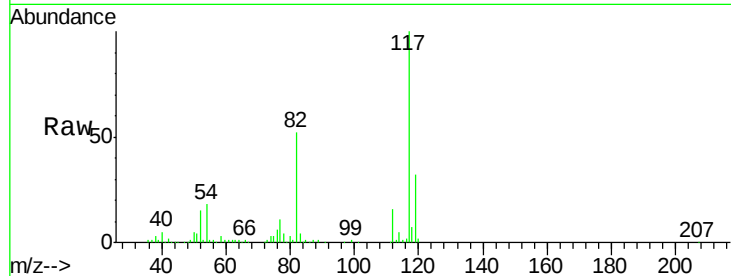
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334609		
82	52.1		41.3	61.9
119	32.2		25.8	38.8

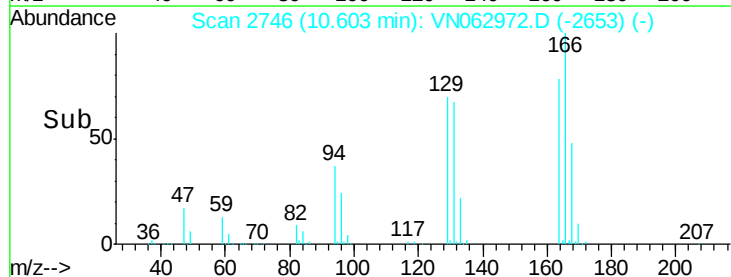
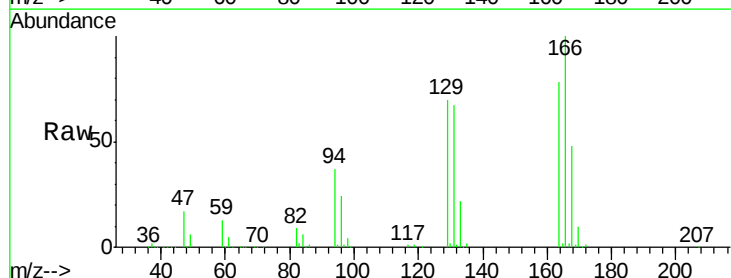
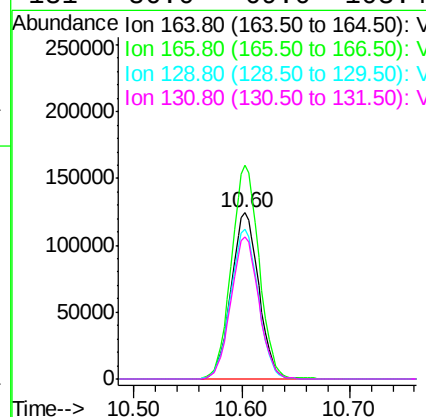
Manual Integrations
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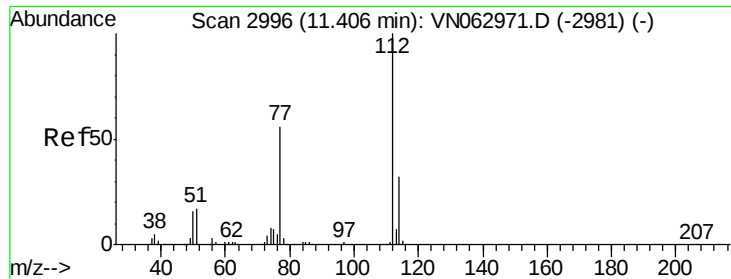
MMDadoda
8/18/2020 11:12:50 AM



#64
Tetrachloroethene
Concen: 101.235 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221581		
166	128.6		101.9	152.9
129	89.9		73.1	109.7
131	86.0		69.0	103.4





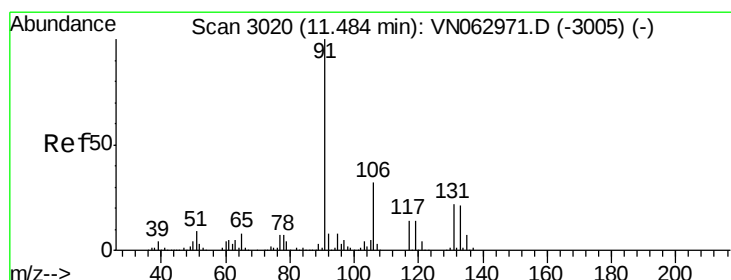
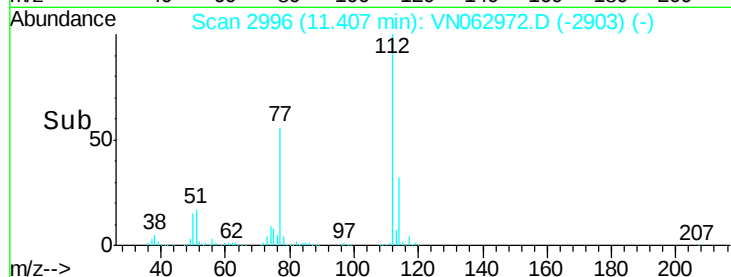
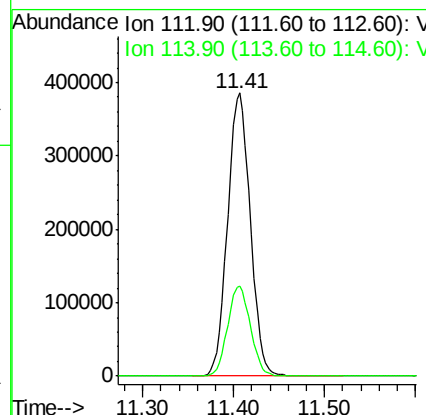
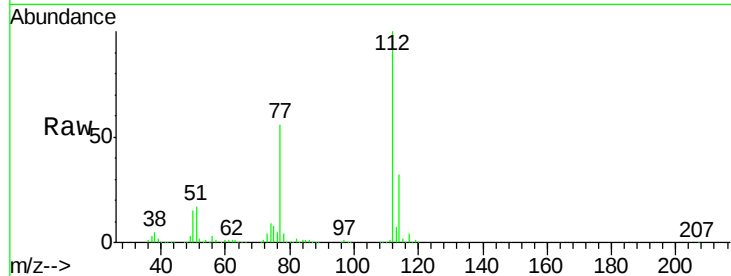
#65
Chlorobenzene
Concen: 96.044 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

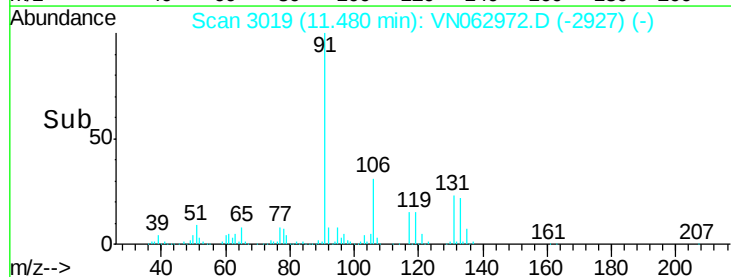
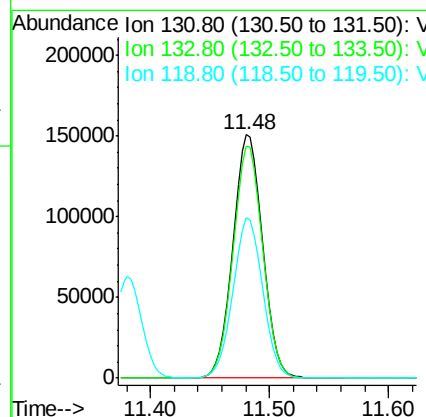
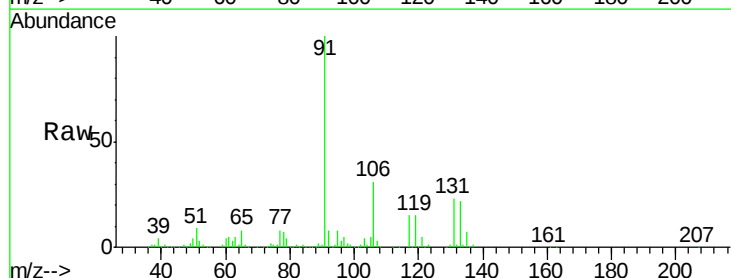
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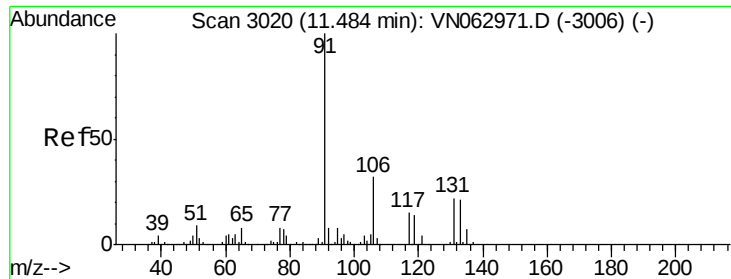
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#66
1,1,1,2-Tetrachloroethane
Concen: 93.890 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.4
119	66.0	32.4	97.0





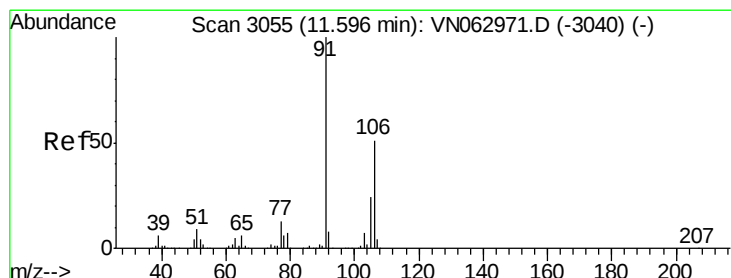
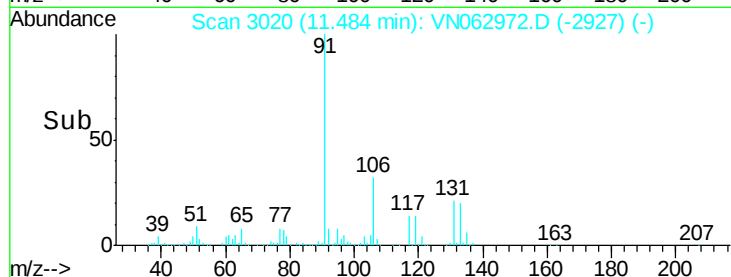
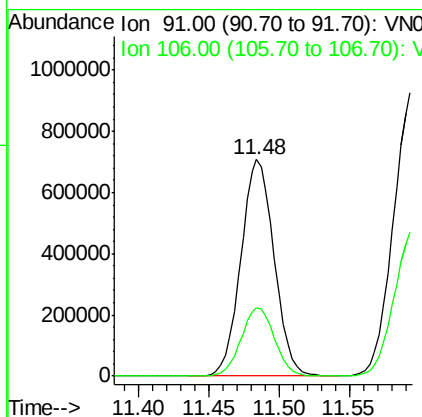
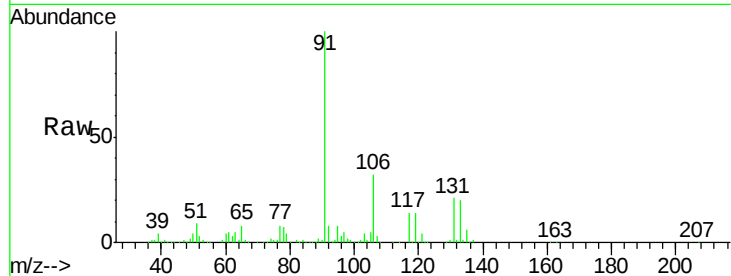
#67
Ethyl Benzene
Concen: 94.981 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1167253
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

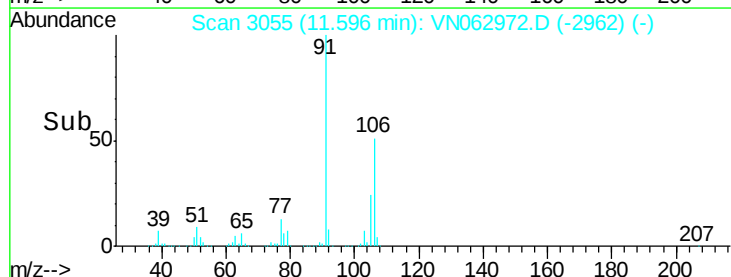
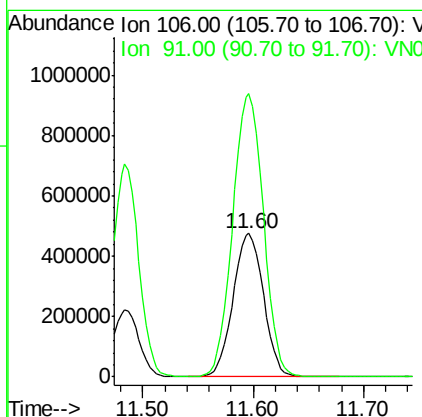
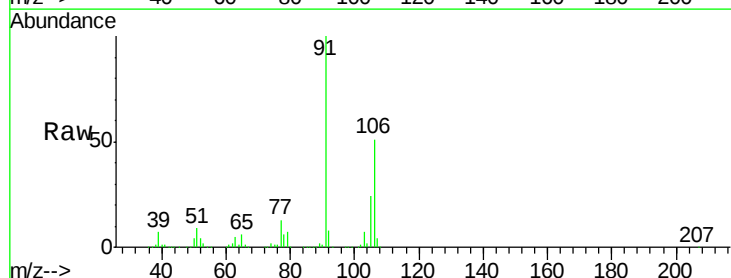
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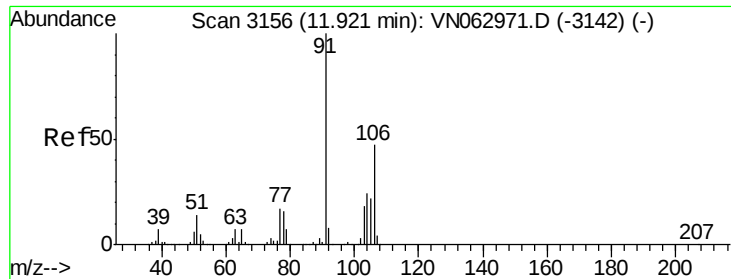
MMDadoda
8/18/2020 11:12:50 AM



#68
m/p-Xylenes
Concen: 201.439 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion: 106 Resp: 907533
Ion Ratio Lower Upper
106 100
91 199.7 158.7 238.1





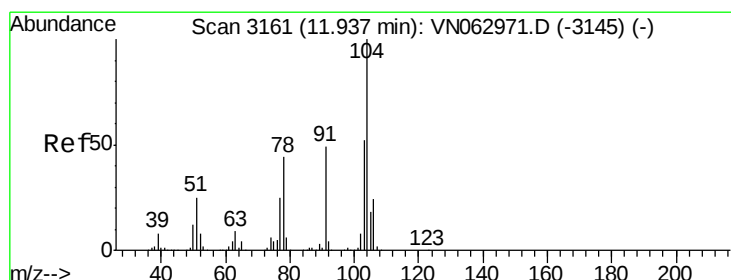
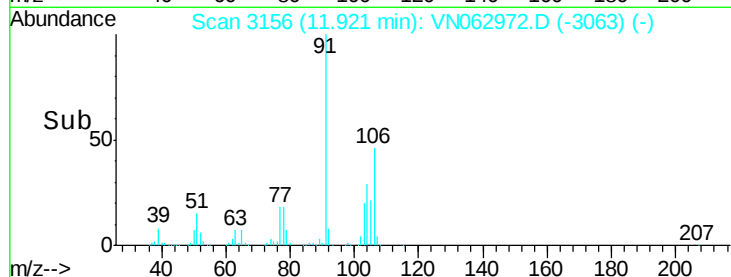
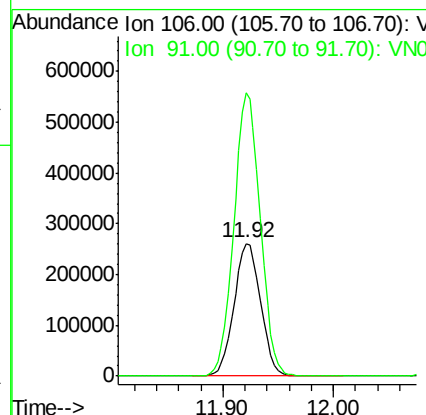
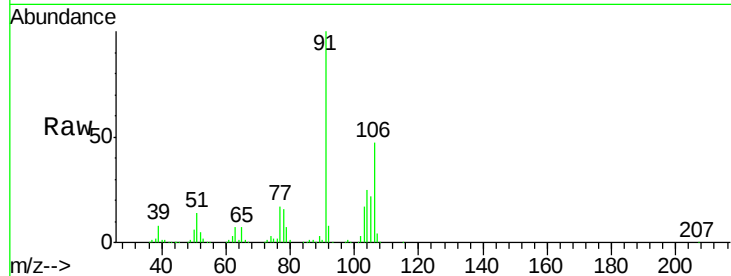
#69
o-Xylene
Concen: 103.290 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	435118		
91	212.1	106.3	318.8	

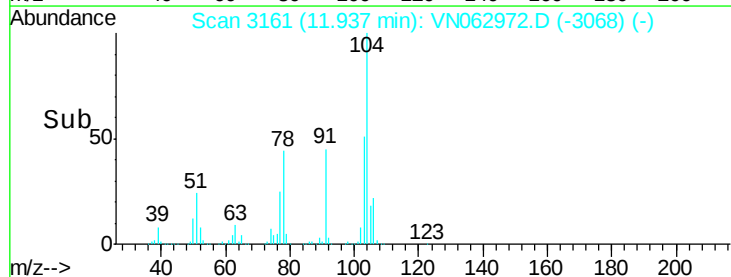
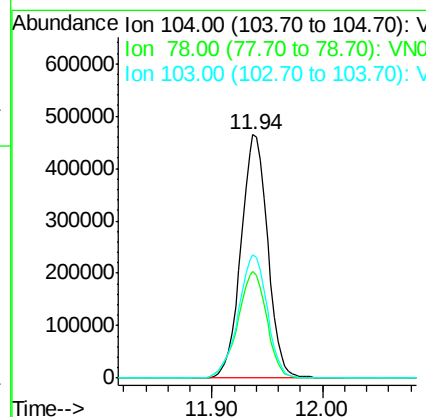
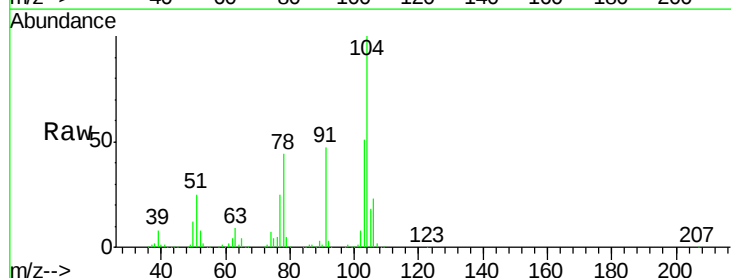
Manual Integrations
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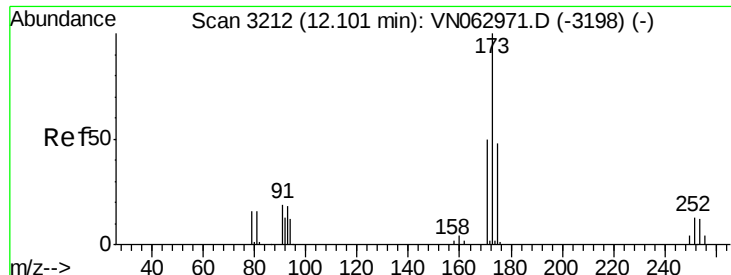
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#70
Styrene
Concen: 105.354 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	779622		
78	47.6	38.2	57.4	
103	54.9	44.9	67.3	





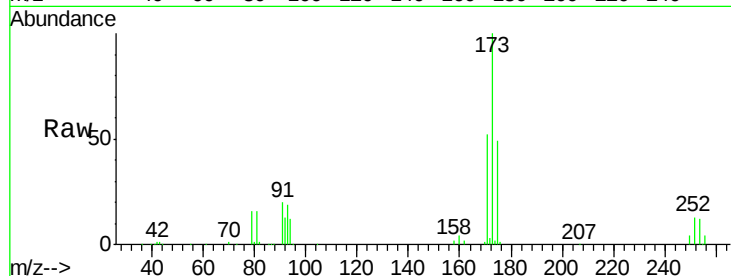
#71
Bromoform
Concen: 102.508 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

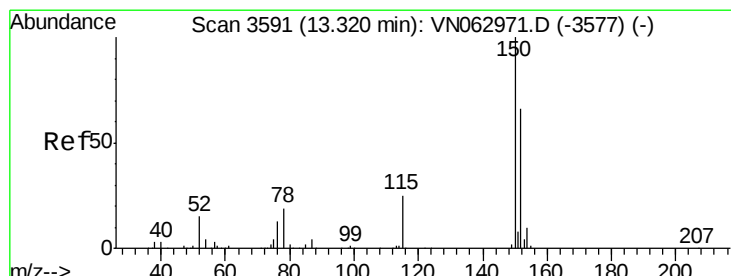
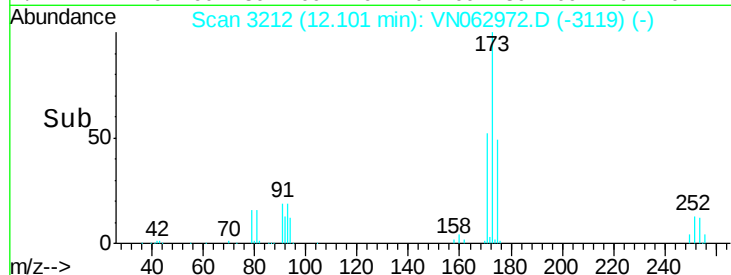
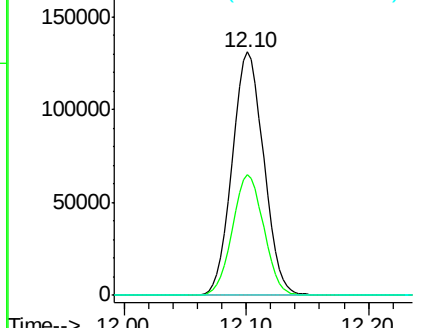
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.1	0.0	0.0#

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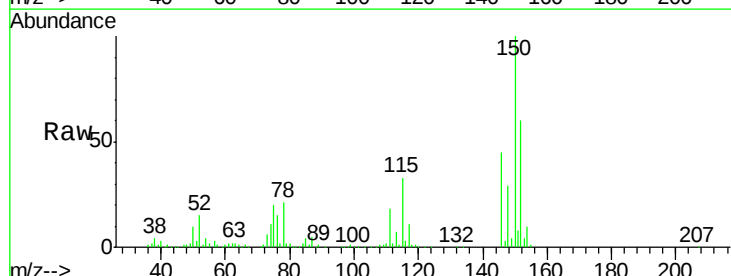


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

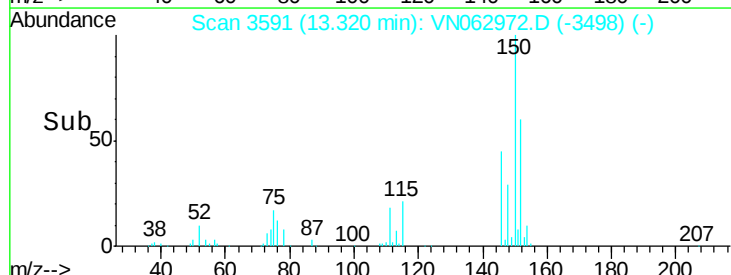
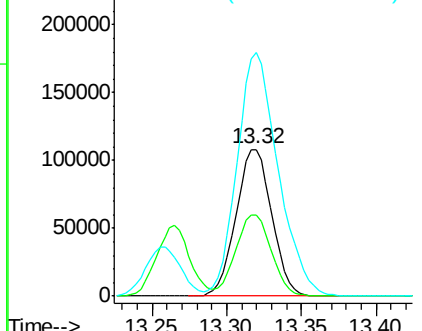


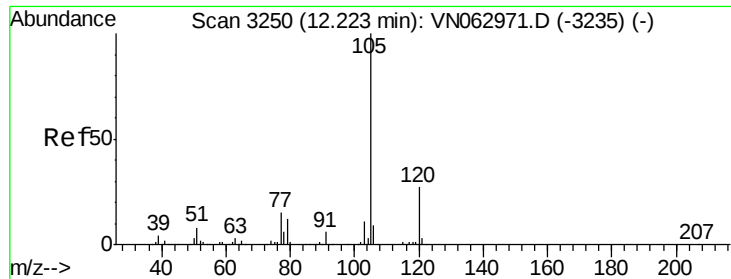
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.1	81.3
150	189.2	0.0	341.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 88.969 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1186538

Ion Ratio Lower Upper

105 100

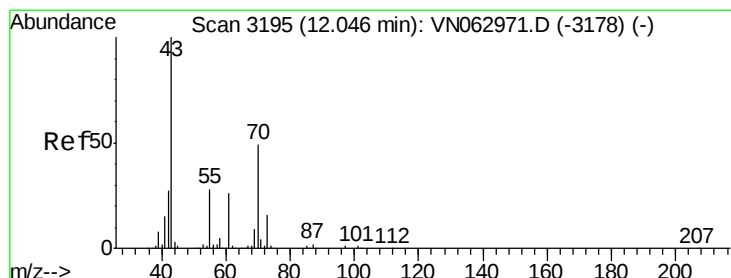
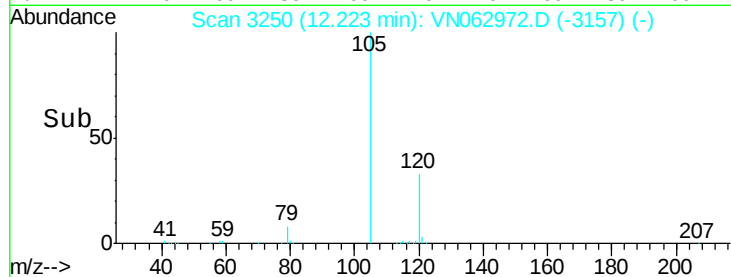
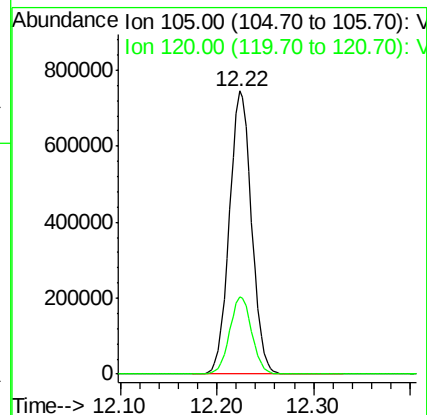
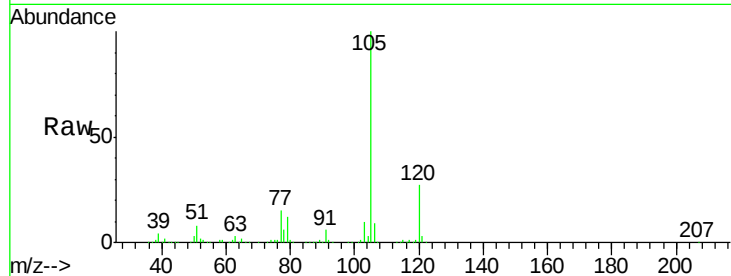
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 79.181 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Tgt Ion: 43 Resp: 411786

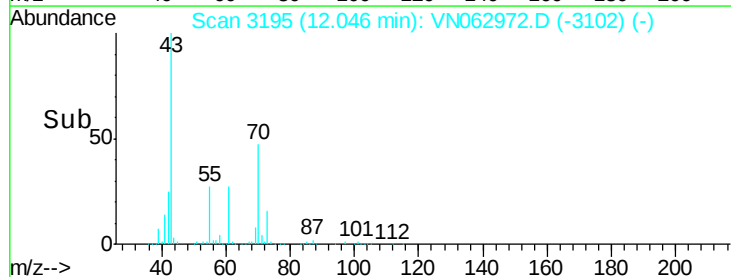
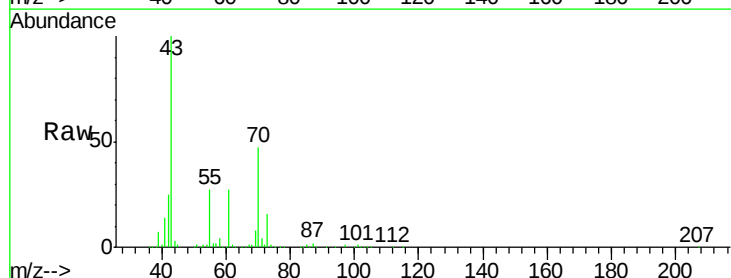
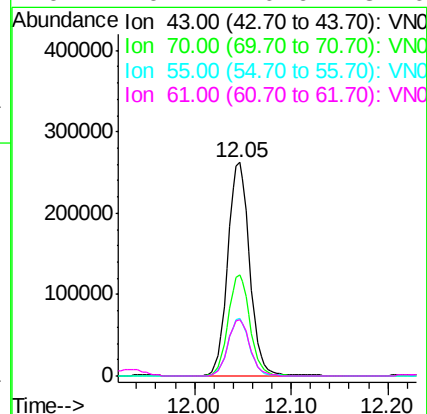
Ion Ratio Lower Upper

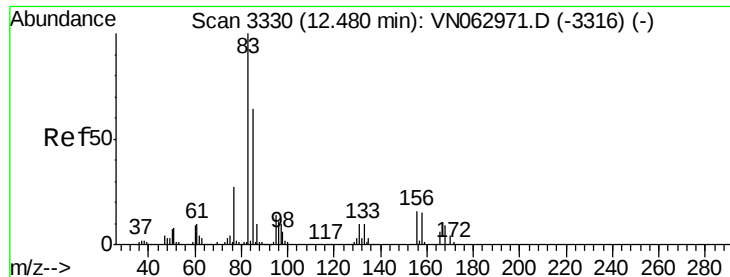
43 100

70 47.4 38.4 57.6

55 26.8 21.9 32.9

61 26.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 78.379 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 367625

Ion Ratio Lower Upper

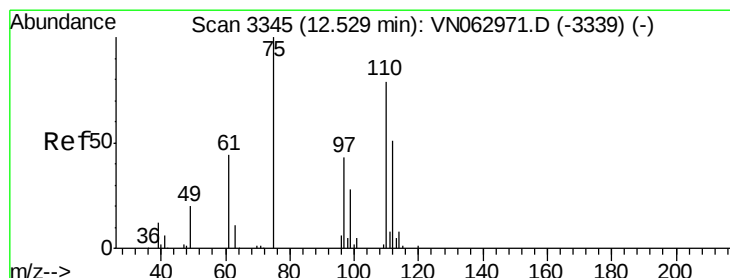
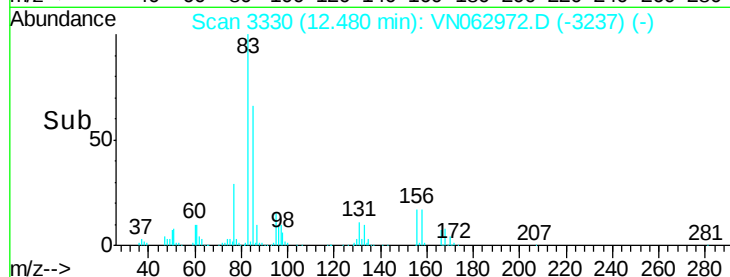
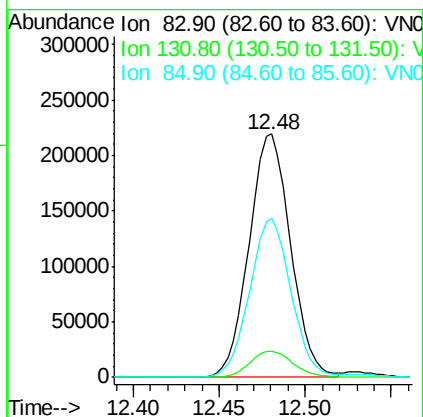
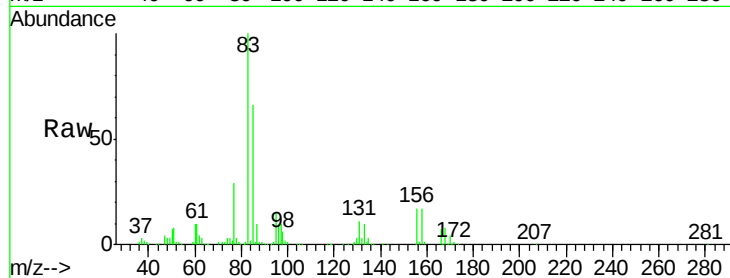
83 100

131 11.2 5.3 16.1

85 65.0 31.9 95.7

Manual Integrations
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8/18/2020 11:12:50 AM



#76

1,2,3-Trichloropropane

Concen: 72.820 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062972.D

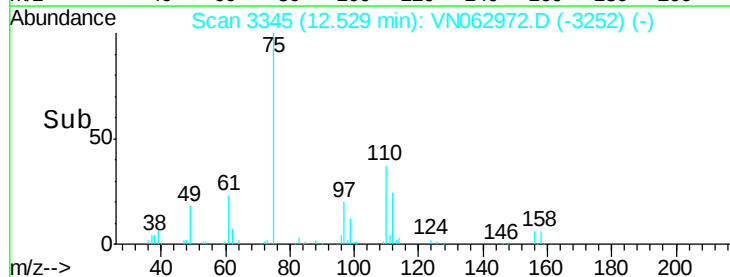
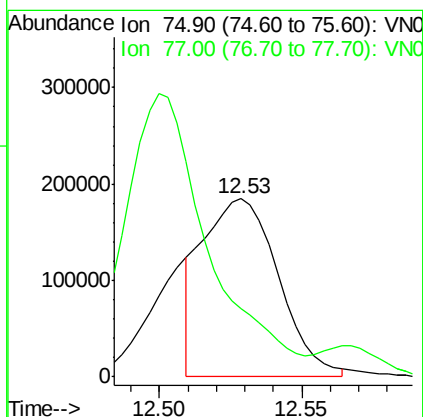
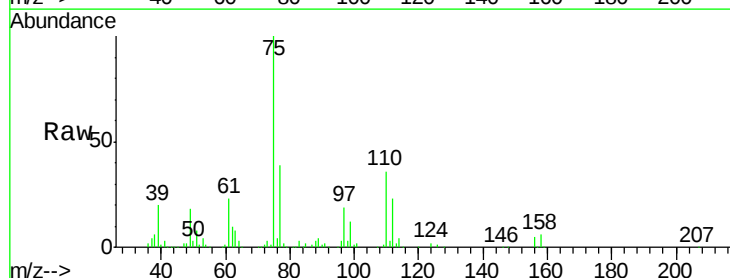
Acq: 17 Aug 2020 15:02

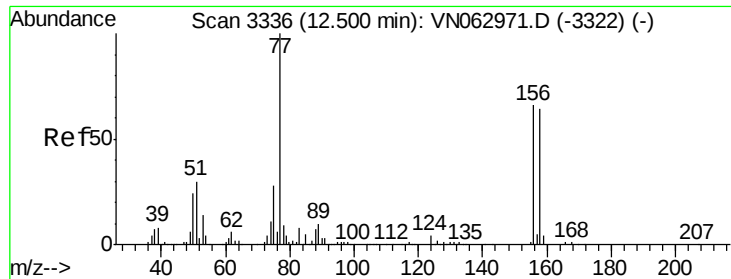
Tgt Ion: 75 Resp: 341029

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





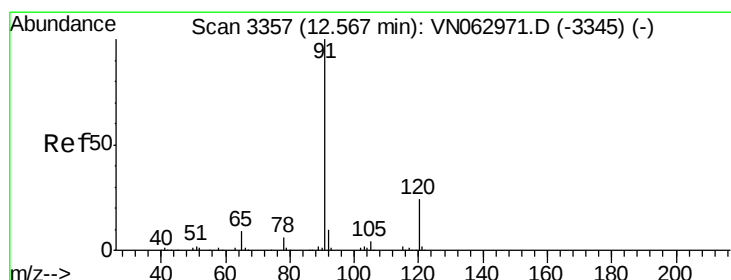
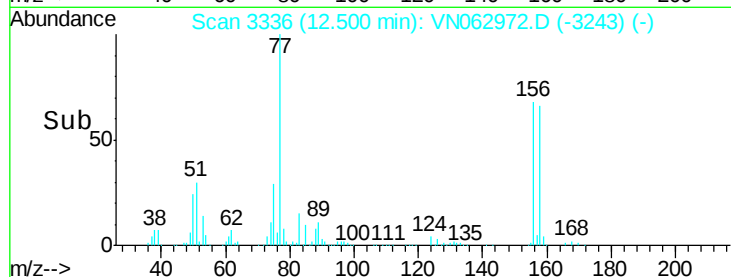
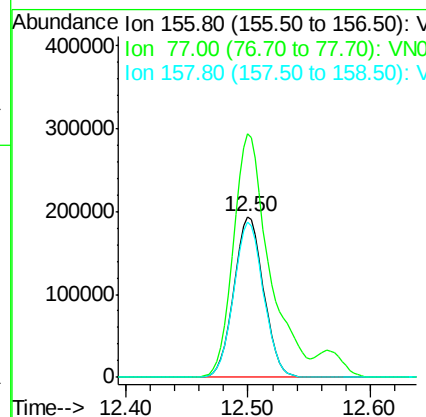
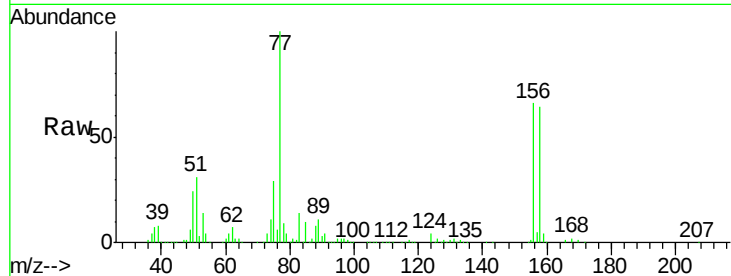
#77
Bromobenzene
Concen: 96.715 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.0	92.4	277.2
158	97.1	48.6	145.8

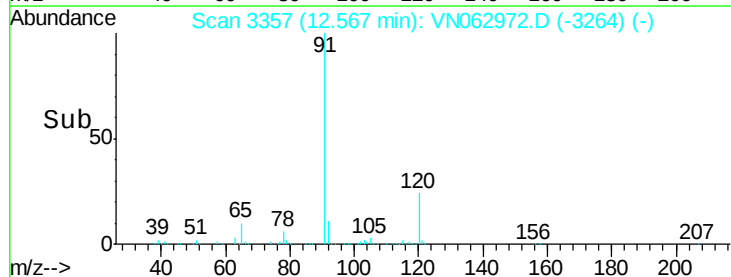
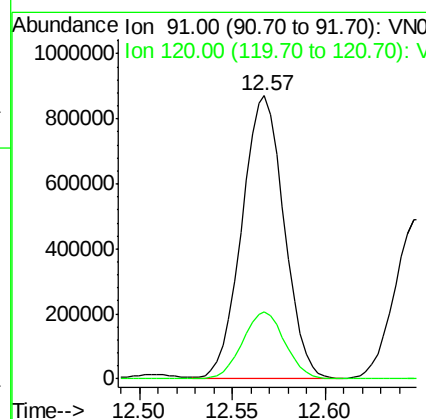
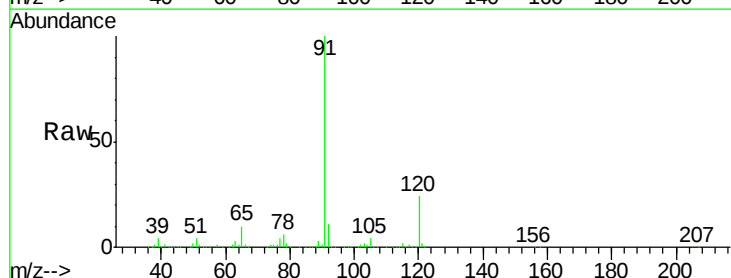
Manual Integrations
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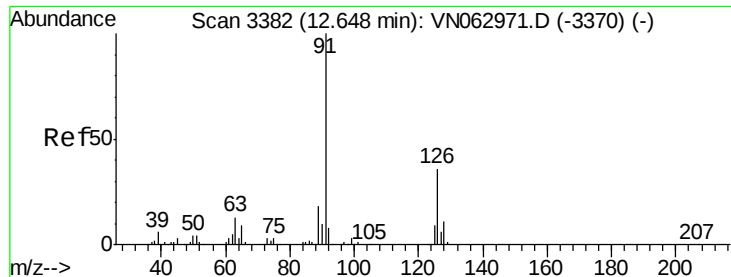
MMDadoda
8/18/2020 11:12:50 AM



#78
n-propylbenzene
Concen: 87.478 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.1	36.3





#79

2-Chlorotoluene

Concen: 82.854 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 806741

Ion Ratio Lower Upper

91 100

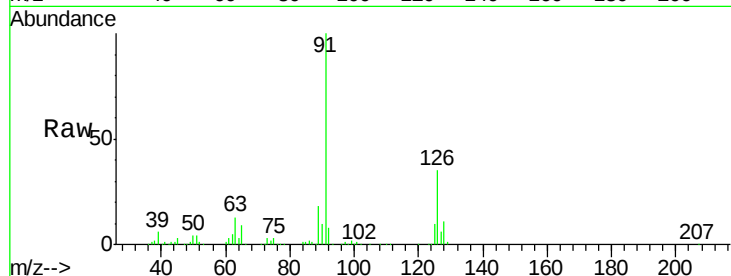
126 35.7 18.1 54.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062971.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062971.D (-3370) (-)

800000

600000

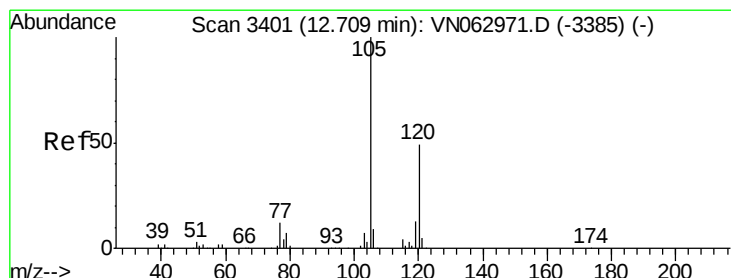
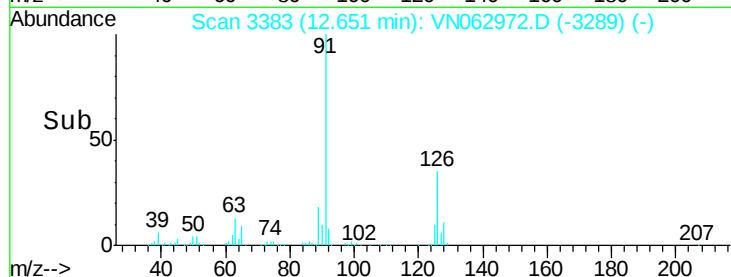
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 89.932 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062972.D

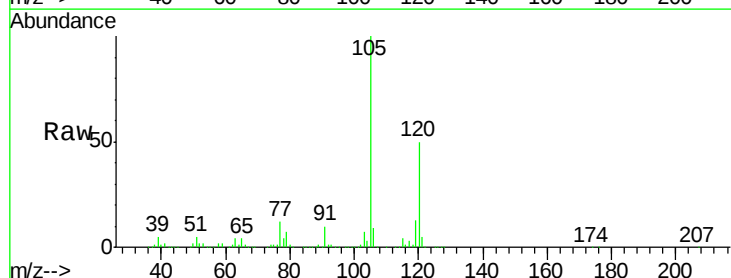
Acq: 17 Aug 2020 15:02

Tgt Ion:105 Resp: 1038596

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN062971.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062971.D (-3385) (-)

600000

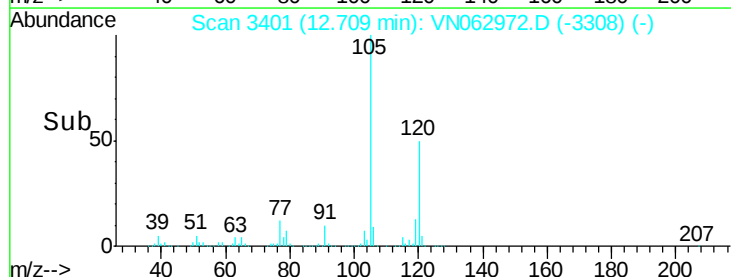
400000

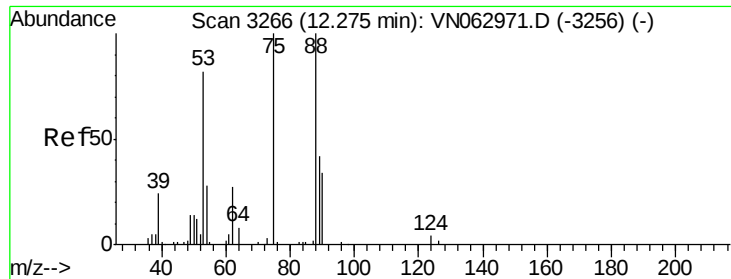
200000

0

12.60 12.70 12.80

Time-->





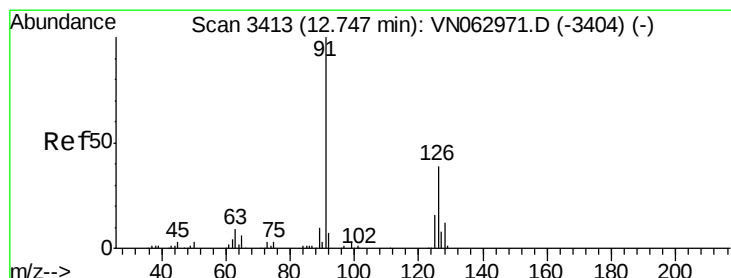
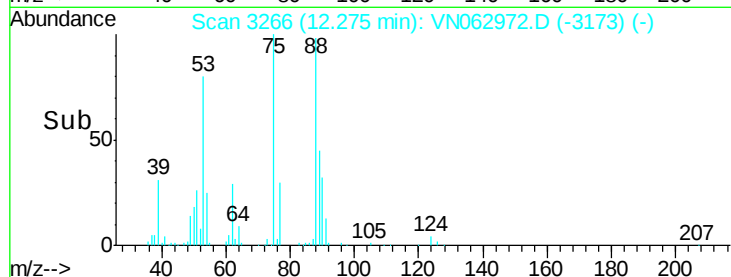
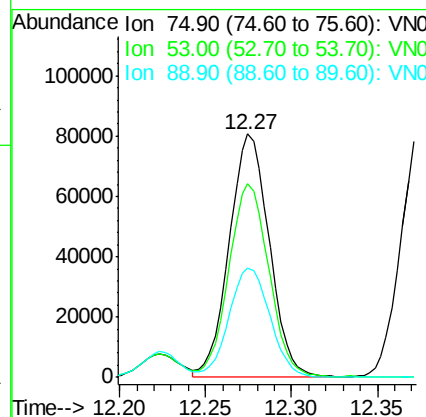
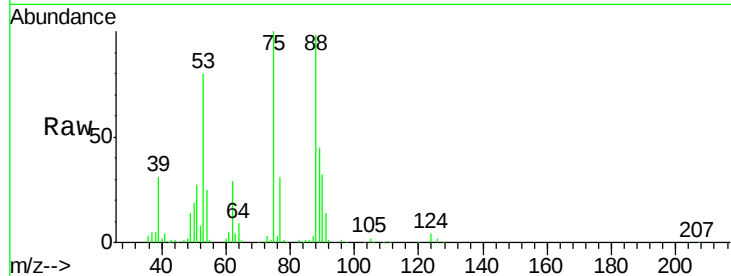
#81
trans-1,4-Dichloro-2-butene
Concen: 85.124 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
53	80.1	66.2	99.2	
89	46.4	35.0	52.4	

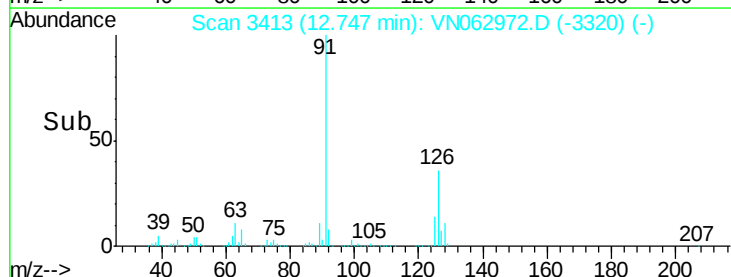
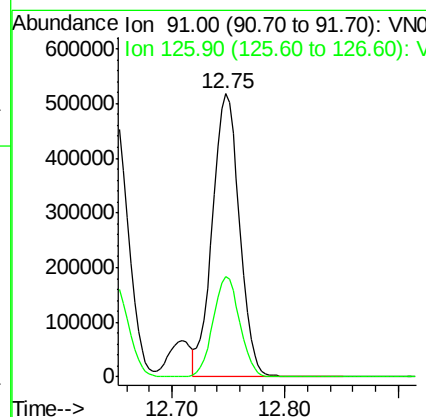
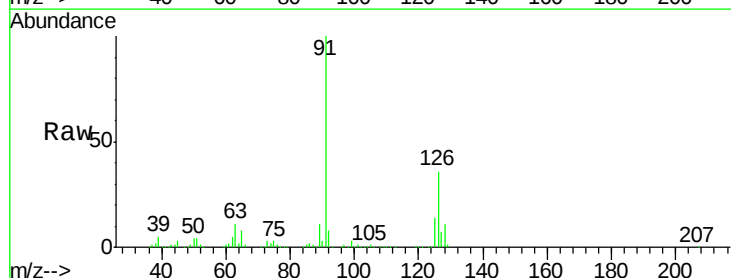
Manual Integrations
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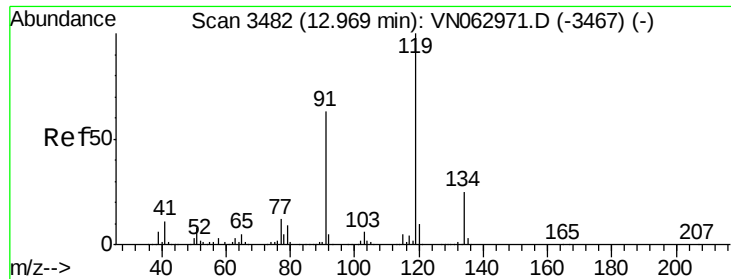
MMDadoda
8/18/2020 11:12:50 AM



#82
4-Chlorotoluene
Concen: 84.990 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	35.1	17.6	52.8	





#83

tert-Butylbenzene

Concen: 91.840 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Instrument :

MSVOA_N

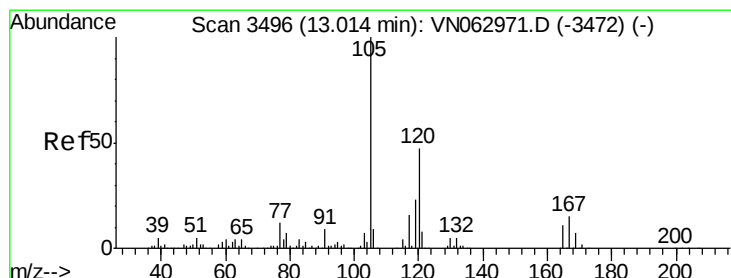
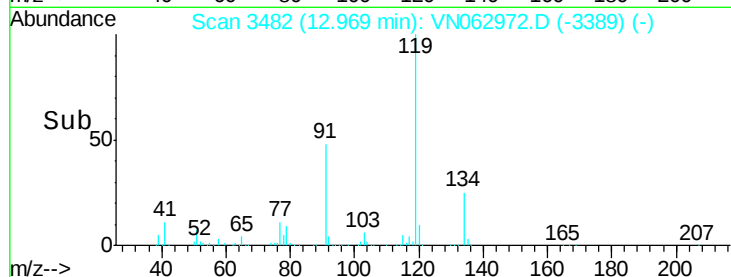
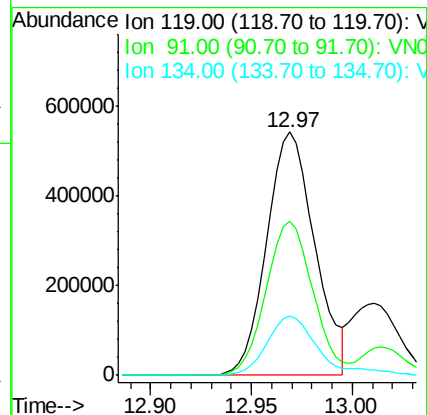
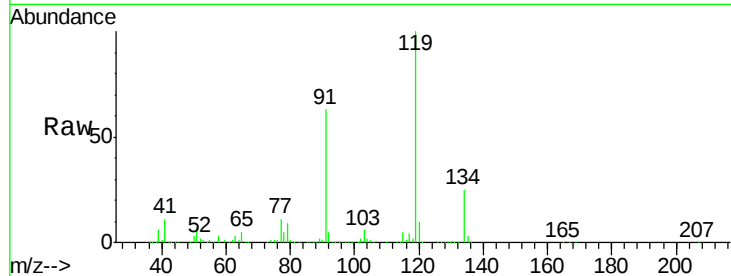
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	901715		
91	61.6	31.0	93.0	
134	26.2	13.3	39.8	

Manual Integrations
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8/18/2020 11:12:50 AM



#84

1,2,4-Trimethylbenzene

Concen: 92.937 ug/l

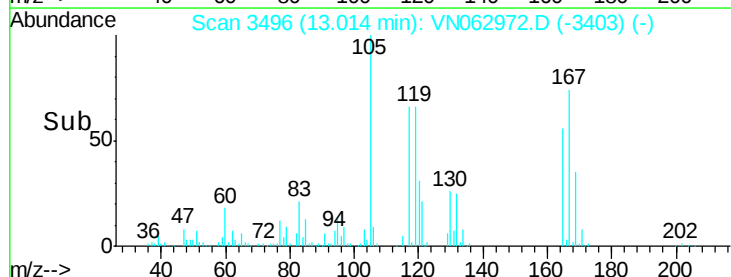
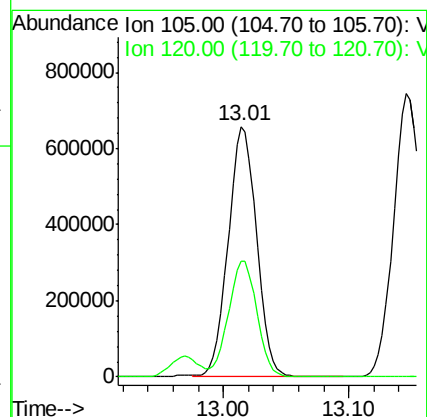
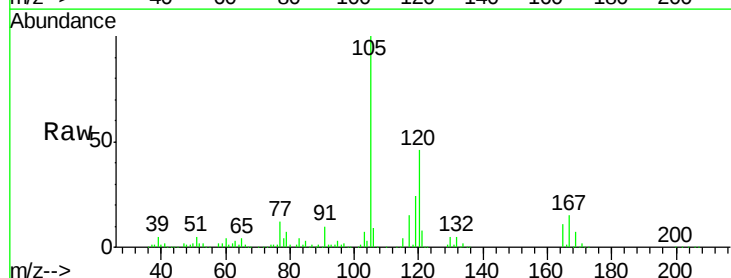
RT: 13.01 min Scan# 3496

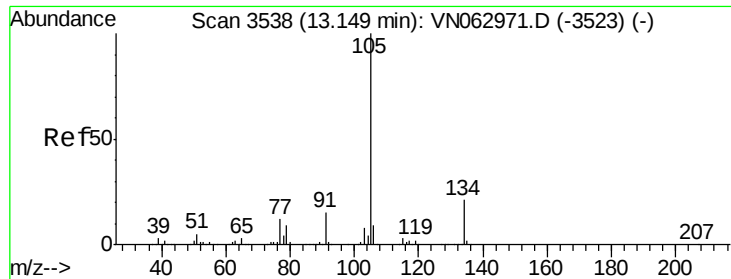
Delta R.T. 0.00 min

Lab File: VN062972.D

Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1027462		
120	46.6	23.2	69.6	





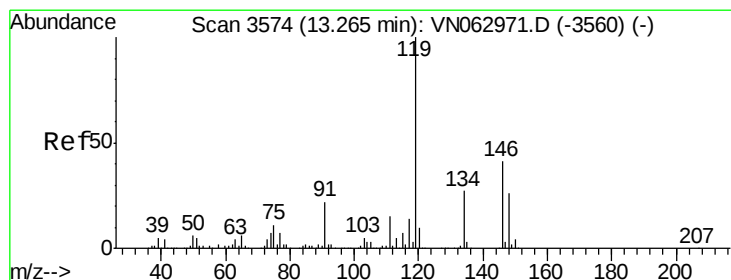
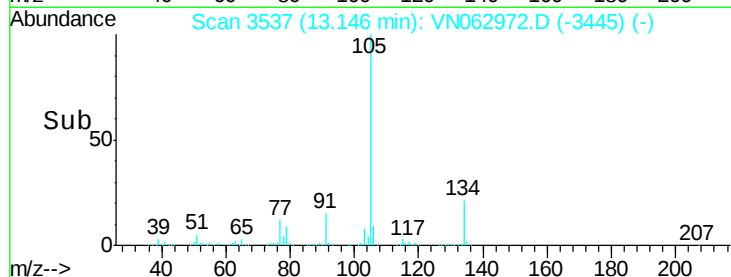
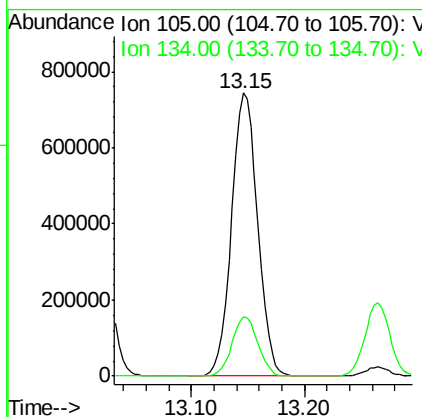
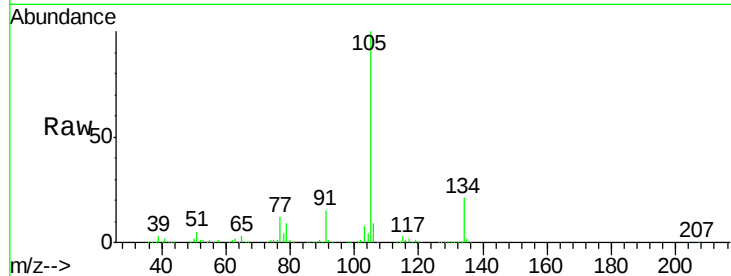
#85
 sec-Butylbenzene
 Concen: 92.359 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1189224
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1

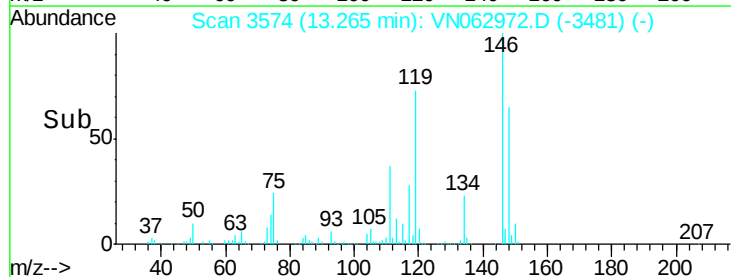
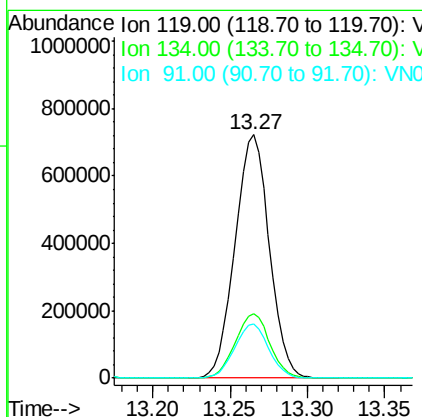
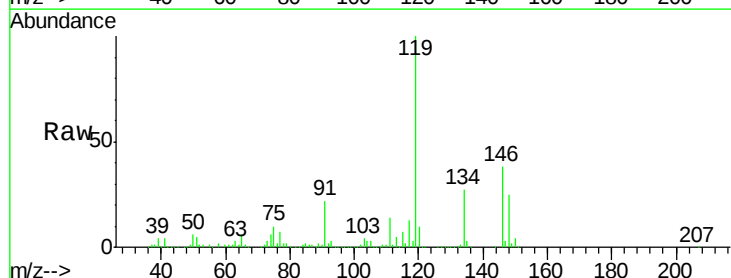
Manual Integrations
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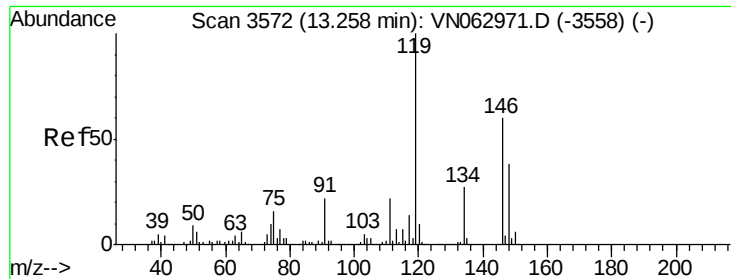
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#86
 p-Isopropyltoluene
 Concen: 96.874 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion:119 Resp: 1108491
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.7
 91 22.3 11.1 33.1





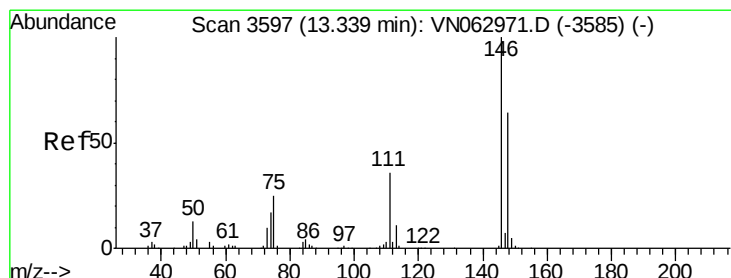
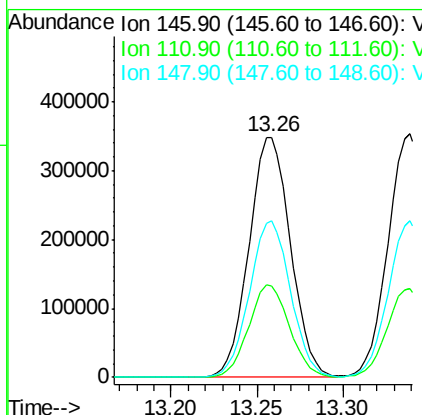
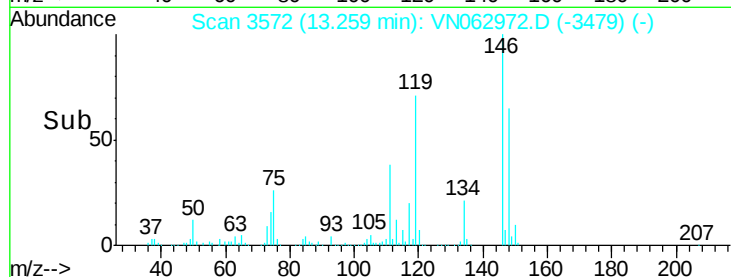
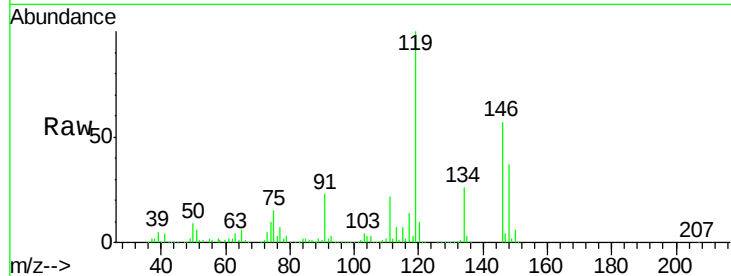
#87
 1,3-Dichlorobenzene
 Concen: 96.717 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	582735		
111	37.9	18.9	56.5	
148	64.6	31.7	95.1	

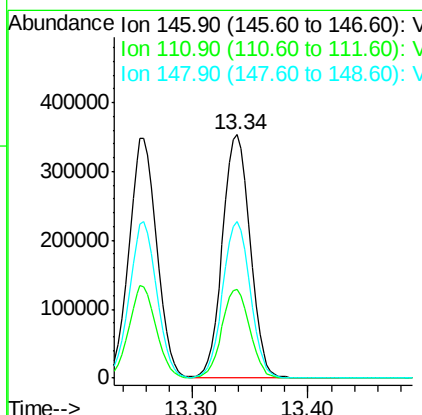
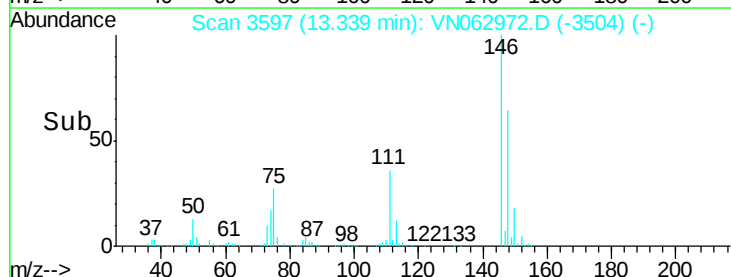
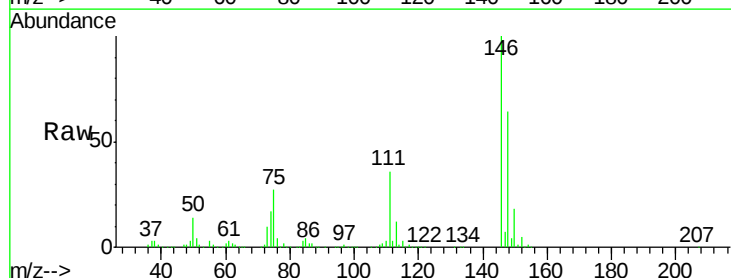
Manual Integrations
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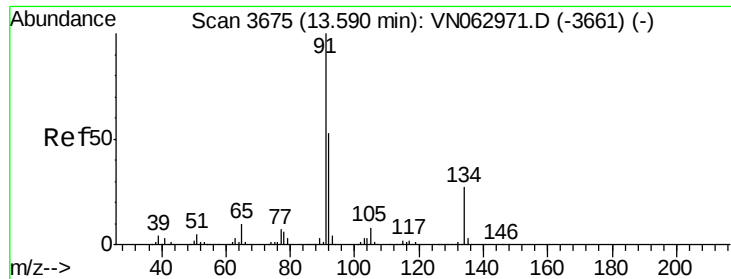
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 8/18/2020 11:12:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 96.347 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	584151		
111	36.5	18.4	55.2	
148	64.0	32.1	96.5	





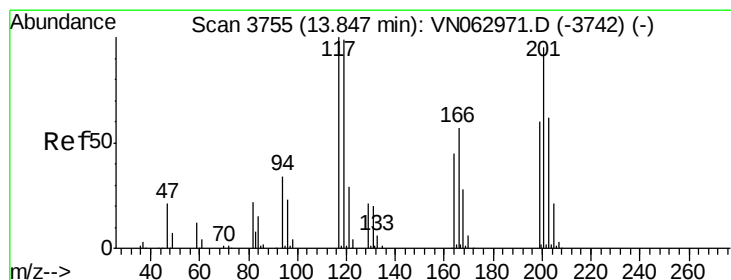
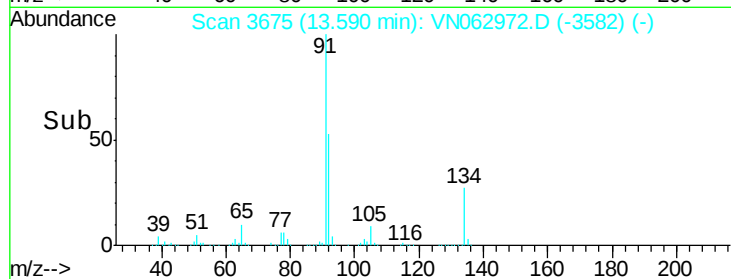
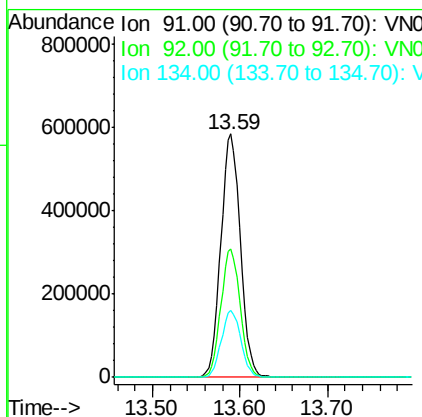
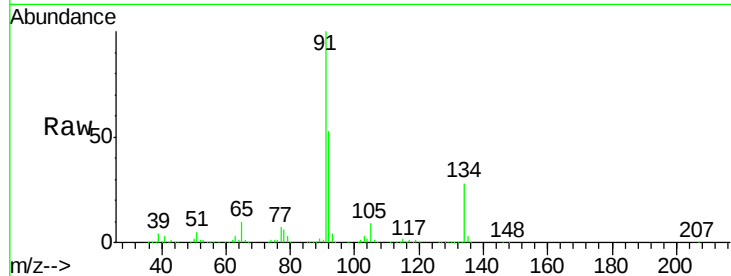
#89
n-Butylbenzene
Concen: 94.305 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	26.3	78.8	
134	27.5	13.4	40.2	

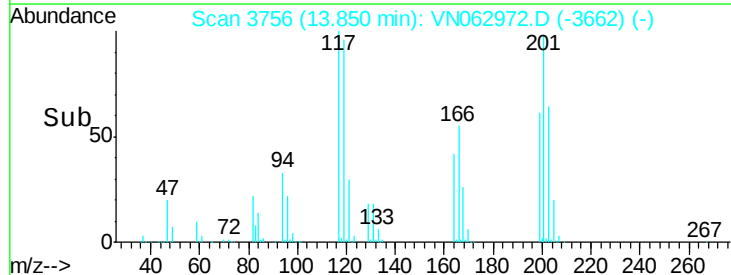
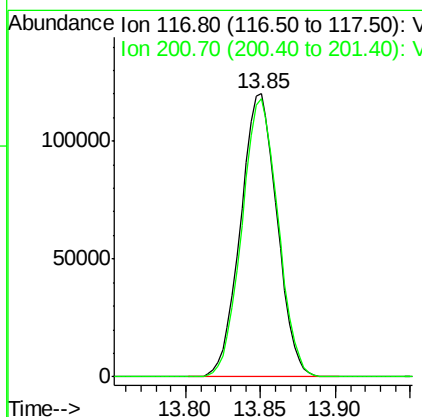
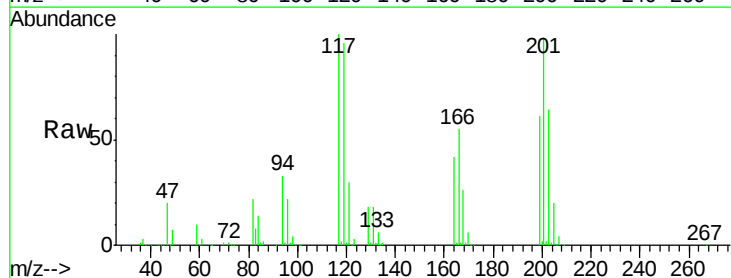
Manual Integrations
APPROVED

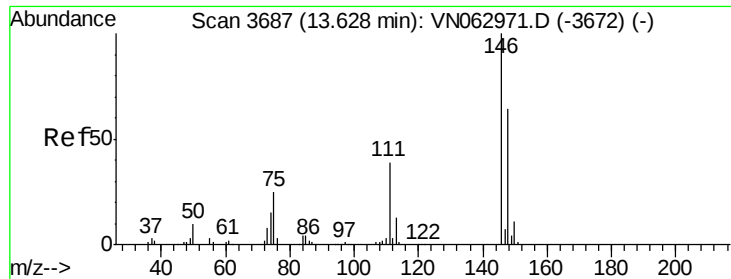
MMDadoda
8/18/2020 11:12:50 AM



#90
Hexachloroethane
Concen: 83.403 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.2	48.4	145.3	





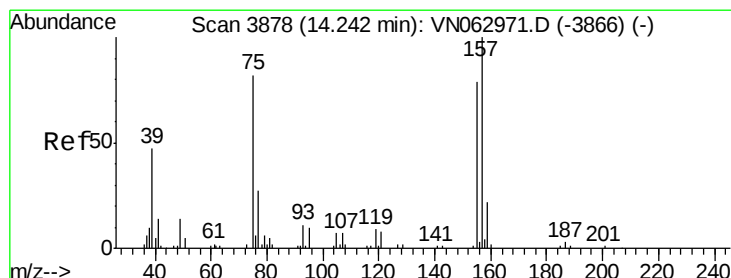
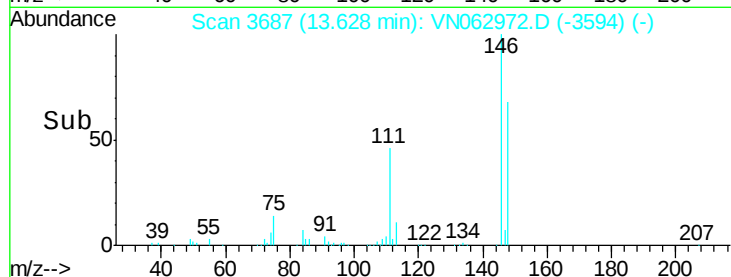
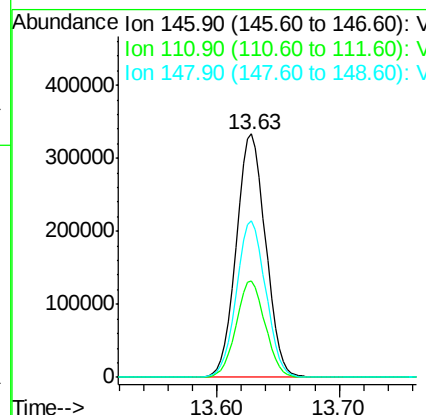
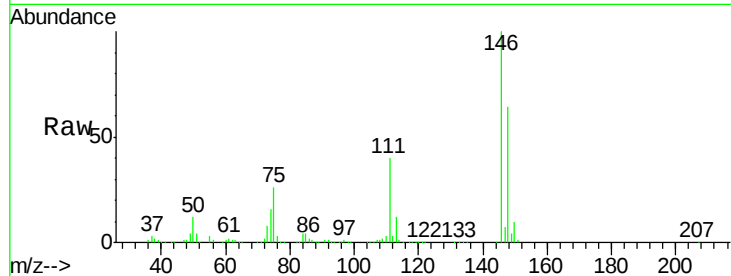
#91
 1,2-Dichlorobenzene
 Concen: 98.270 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.4
148	64.4	32.5	97.5

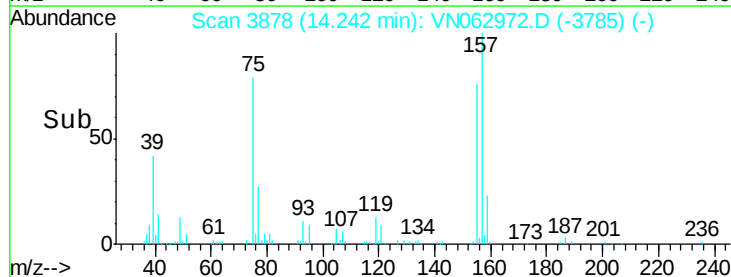
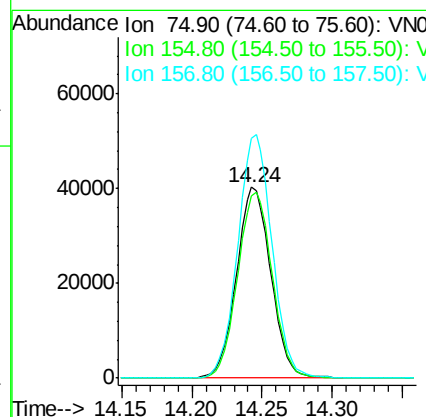
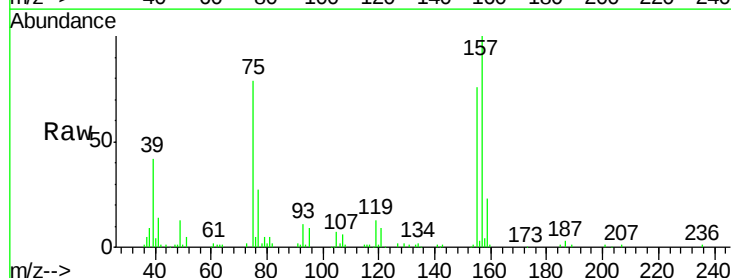
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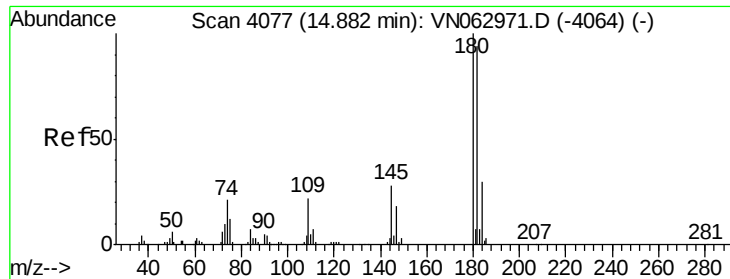
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.108 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	47.6	142.8
157	127.1	61.4	184.1





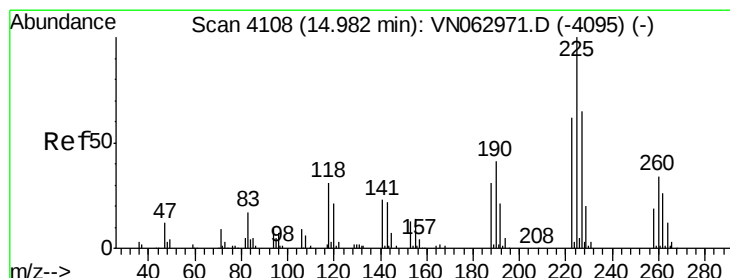
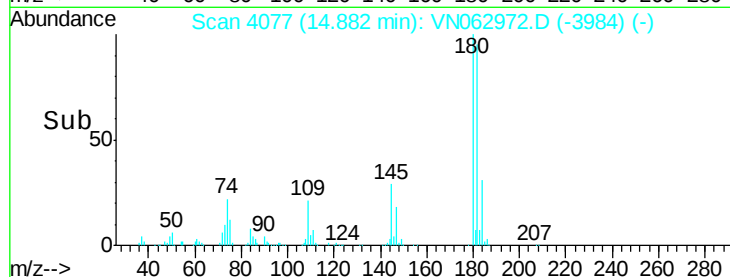
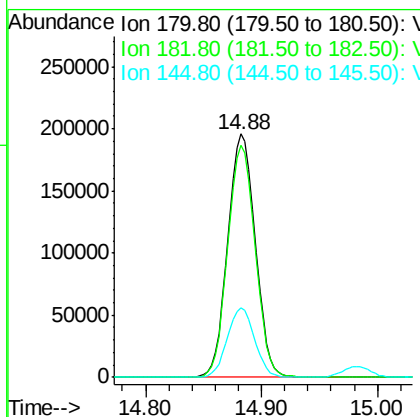
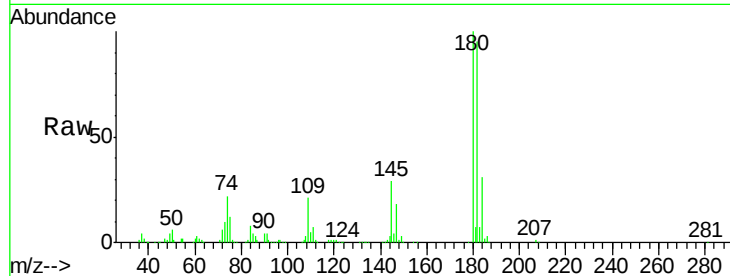
#93
 1,2,4-Trichlorobenzene
 Concen: 119.363 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.8	143.3	
145	28.2	13.9	41.7	

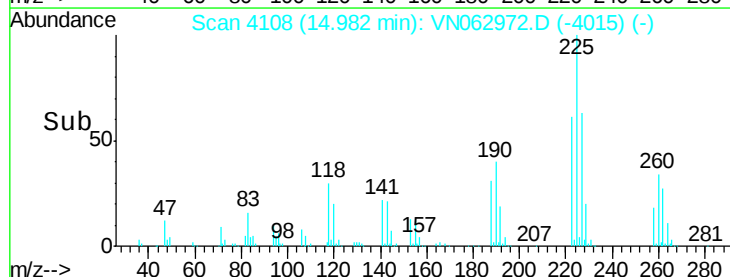
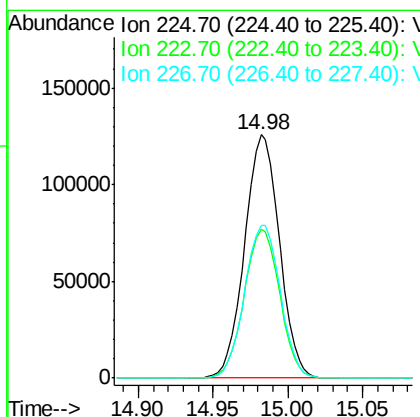
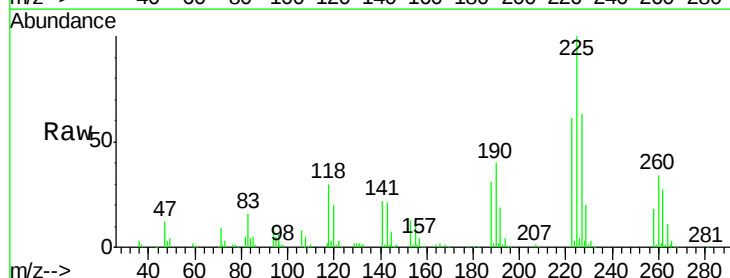
Manual Integrations
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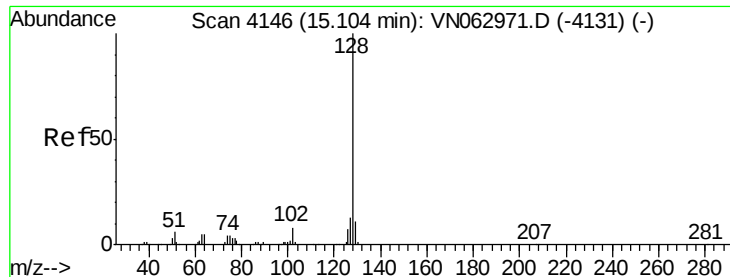
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 8/18/2020 11:12:50 AM



#94
 Hexachlorobutadiene
 Concen: 101.475 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062972.D
 Acq: 17 Aug 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	30.9	92.5	
227	64.5	32.0	96.0	





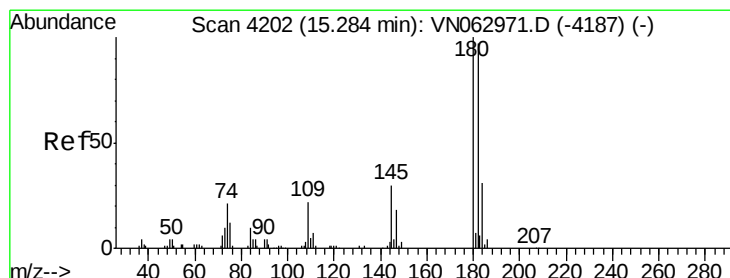
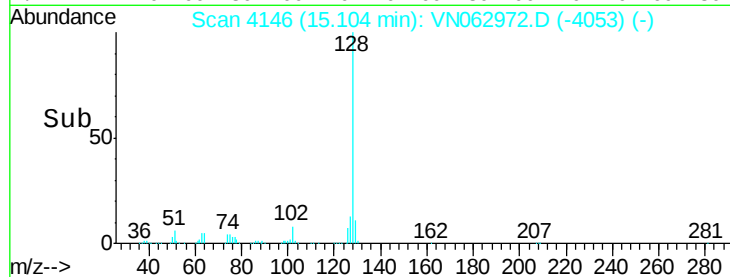
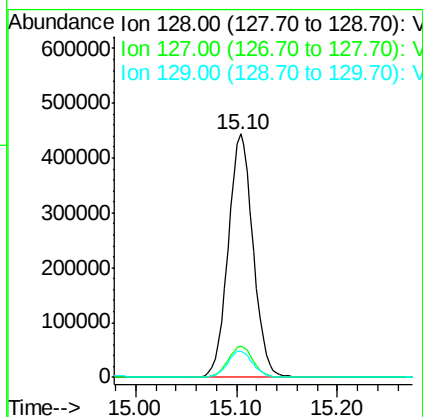
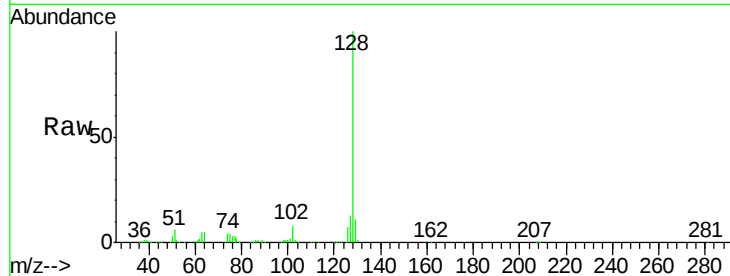
#95
Naphthalene
Concen: 110.756 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	762828
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 121.862 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062972.D
Acq: 17 Aug 2020 15:02

Tgt Ion:	180	Resp:	316527
Ion Ratio	Lower	Upper	
180	100		
182	96.6	49.3	147.8
145	29.6	15.0	45.0

