

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062573.D
 Acq On : 21 Jul 2020 15:58
 Operator : JC/MD
 Sample : VN0721WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:46 PM

Quant Time: Jul 22 05:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	228047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	350959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	155987	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	7.55	113	113330	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.06	98	442345	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	12.37	95	159565	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45062	16.566	ug/l	98
3) Chloromethane	2.04	50	59478	16.121	ug/l	98
4) Vinyl Chloride	2.16	62	52947	16.554	ug/l	98
5) Bromomethane	2.53	94	25098	17.717	ug/l	93
6) Chloroethane	2.67	64	24254	16.765	ug/l	99
7) Trichlorofluoromethane	2.98	101	61595	16.403	ug/l	95
8) Diethyl Ether	3.37	74	30860	17.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	40735	16.919	ug/l	99
10) Methyl Iodide	3.91	142	47523	15.439	ug/l	99
11) Tert butyl alcohol	4.73	59	45789	81.250	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	41817	17.126	ug/l	98
13) Acrolein	3.57	56	41383	76.473	ug/l	99
14) Allyl chloride	4.27	41	90271	17.091	ug/l	99
15) Acrylonitrile	4.93	53	128705	85.265	ug/l	100
16) Acetone	3.77	43	116779	87.599	ug/l	100
17) Carbon Disulfide	4.00	76	134854	16.809	ug/l	98
18) Methyl Acetate	4.28	43	57932	17.166	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	152557	16.975	ug/l	98
20) Methylene Chloride	4.50	84	52207	16.328	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	45541	16.804	ug/l	98
22) Diisopropyl ether	5.90	45	184313	17.555	ug/l	95
23) Vinyl Acetate	5.84	43	759120	88.243	ug/l	100
24) 1,1-Dichloroethane	5.80	63	97436	17.234	ug/l	99
25) 2-Butanone	6.78	43	175378	86.381	ug/l	100
26) 2,2-Dichloropropane	6.78	77	78778	16.974	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	52624	17.017	ug/l	99
28) Bromochloromethane	7.15	49	51209	18.405	ug/l	99
29) Tetrahydrofuran	7.17	42	115653	84.184	ug/l	99
30) Chloroform	7.33	83	92091	17.132	ug/l	96
31) Cyclohexane	7.61	56	88334	16.922	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	76941	17.144	ug/l	99
36) 1,1-Dichloropropene	7.75	75	69608	17.291	ug/l	99
37) Ethyl Acetate	6.88	43	75291	17.350	ug/l	98
38) Carbon Tetrachloride	7.73	117	66118	17.087	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	73707	17.009	ug/l	99
40) Benzene	8.00	78	210073	17.237	ug/l	99
41) Methacrylonitrile	7.12	41	30721	16.518	ug/l	95
42) 1,2-Dichloroethane	8.08	62	77539	17.402	ug/l	100
43) Isopropyl Acetate	8.12	43	120492	17.224	ug/l	100
44) Trichloroethene	8.80	130	47014	17.106	ug/l	97
45) 1,2-Dichloropropane	9.09	63	58595	17.124	ug/l	99
46) Dibromomethane	9.17	93	34668	17.529	ug/l	98
47) Bromodichloromethane	9.37	83	73348	17.118	ug/l	99
48) Methyl methacrylate	9.17	41	57619	17.327	ug/l	97
49) 1,4-Dioxane	9.17	88	18265	357.612	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	365519	87.326	ug/l	100
52) Toluene	10.12	92	124019	17.524	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	83508	17.507	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	90281	17.639	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	48756	17.761	ug/l	99
56) Ethyl methacrylate	10.40	69	75877	16.618	ug/l	99
57) 1,3-Dichloropropane	10.68	76	86144	17.129	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	118628	91.215	ug/l	100
59) 2-Hexanone	10.72	43	257824	81.663	ug/l	100
60) Dibromochloromethane	10.87	129	51745	16.897	ug/l	98
61) 1,2-Dibromoethane	10.98	107	48352	16.916	ug/l	98
64) Tetrachloroethene	10.60	164	39910	17.502	ug/l	95
65) Chlorobenzene	11.41	112	126281	17.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	46395	16.762	ug/l	98
67) Ethyl Benzene	11.48	91	234113	17.354	ug/l	100
68) m/p-Xylenes	11.59	106	172538	35.584	ug/l	98
69) o-Xylene	11.92	106	80879	17.566	ug/l	99
70) Styrene	11.94	104	137563	17.686	ug/l	100
71) Bromoform	12.10	173	35795	17.224	ug/l #	100
73) Isopropylbenzene	12.22	105	220220	17.598	ug/l	100
74) N-amyl acetate	12.05	43	97504	17.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	70792	16.279	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	62977m	15.633	ug/l	
77) Bromobenzene	12.50	156	51064	16.980	ug/l	97
78) n-propylbenzene	12.56	91	256453	17.495	ug/l	100
79) 2-Chlorotoluene	12.65	91	155492	17.212	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	183270	17.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	24211	16.731	ug/l	97
82) 4-Chlorotoluene	12.75	91	159442	16.956	ug/l	99
83) tert-Butylbenzene	12.97	119	154397	17.912	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	179045	17.582	ug/l	98
85) sec-Butylbenzene	13.15	105	204732	17.742	ug/l	98
86) p-Isopropyltoluene	13.26	119	175581	17.691	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	88645	16.797	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	88670	17.068	ug/l	98
89) n-Butylbenzene	13.59	91	141866	16.635	ug/l	99
90) Hexachloroethane	13.85	117	34226	16.199	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	84695	16.784	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13316	16.865	ug/l	97

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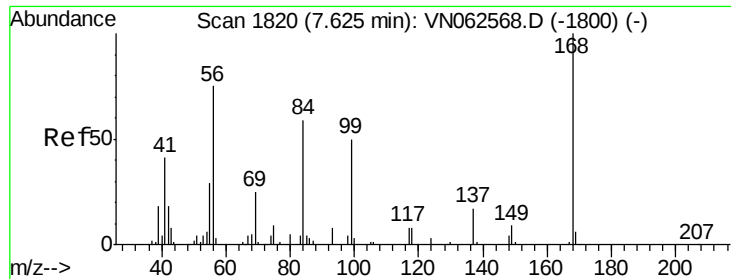
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	36625	16.051	ug/l	98
94) Hexachlorobutadiene	14.98	225	25077	18.092	ug/l	99
95) Naphthalene	15.10	128	95088	16.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	38153	16.043	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062573.D

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Instrument :

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VN0721WBS01

Tot Ion:168 Resp: 228047

Ion Ratio Lower Upper

168 100

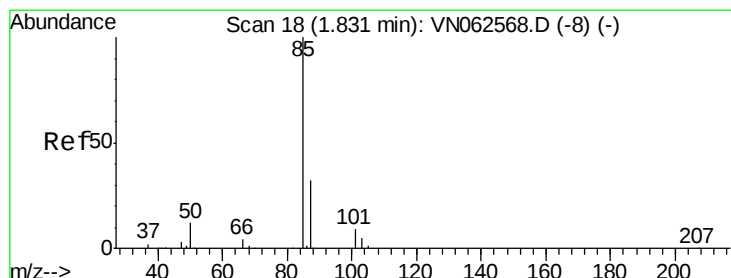
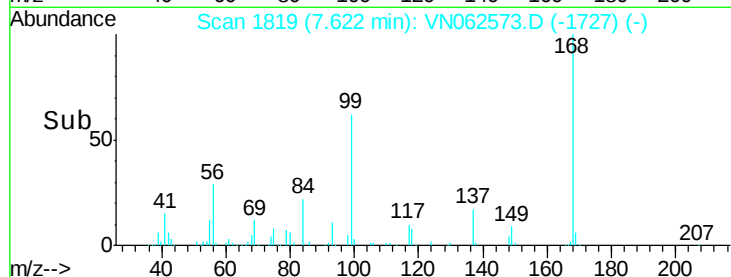
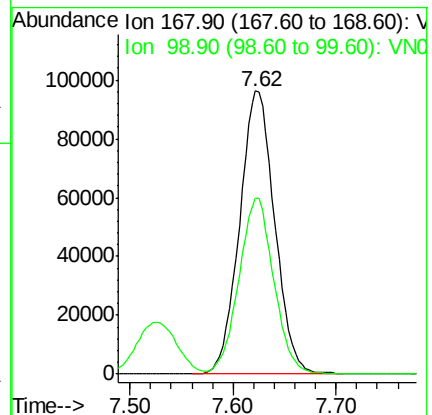
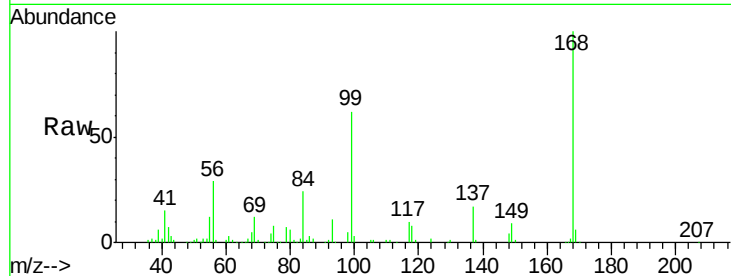
99 62.0 48.4 72.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.566 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062573.D

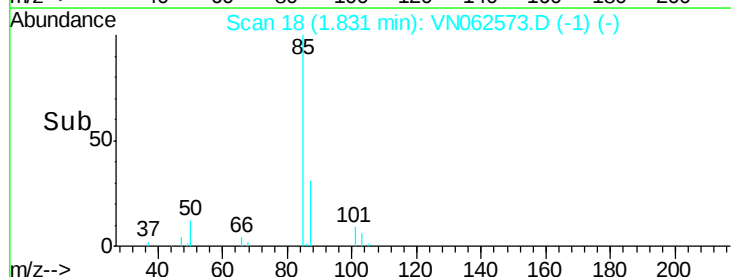
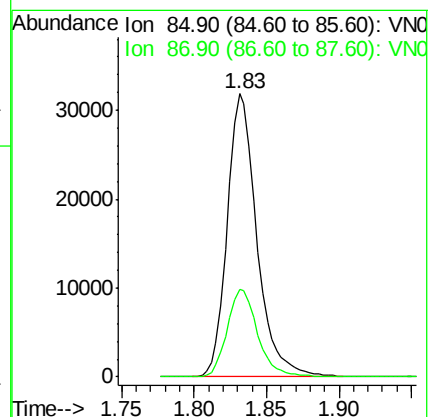
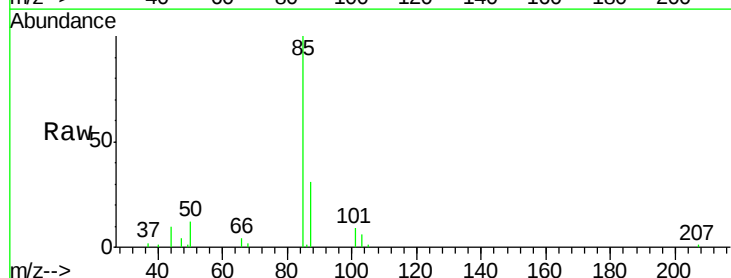
Acq: 21 Jul 2020 15:58

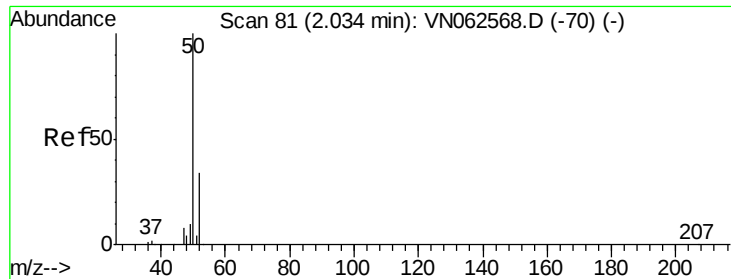
Tgt Ion: 85 Resp: 45062

Ion Ratio Lower Upper

85 100

87 31.0 16.0 48.0





#3

Chloromethane

Concen: 16.121 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion: 50 Resp: 59478

Ion Ratio Lower Upper

50 100

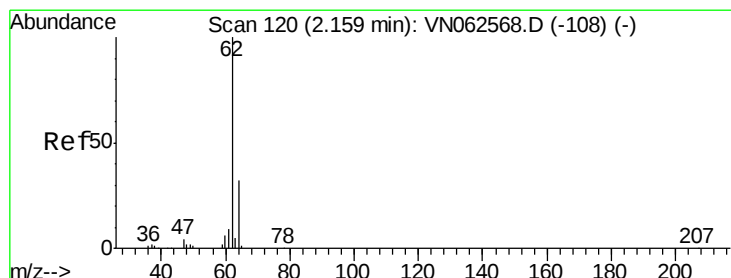
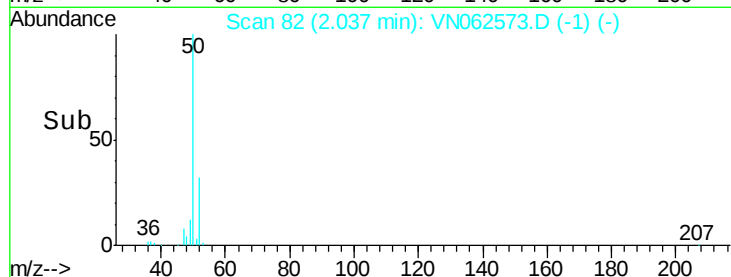
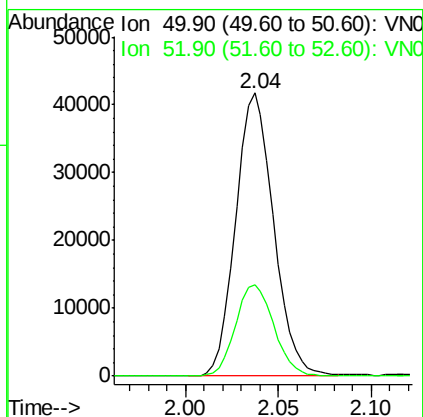
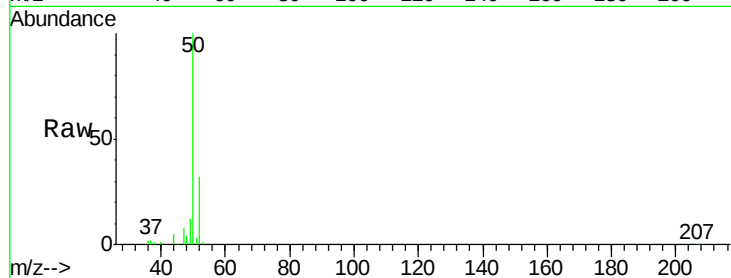
52 32.4 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.554 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062573.D

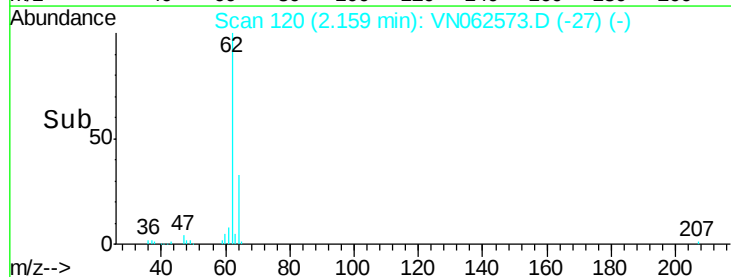
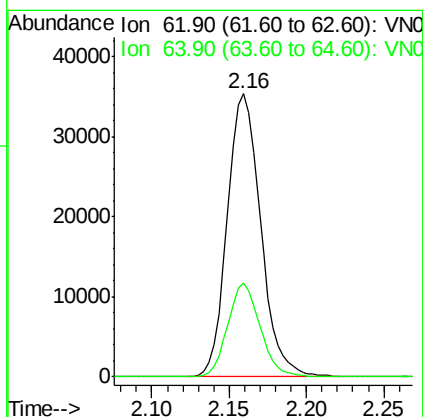
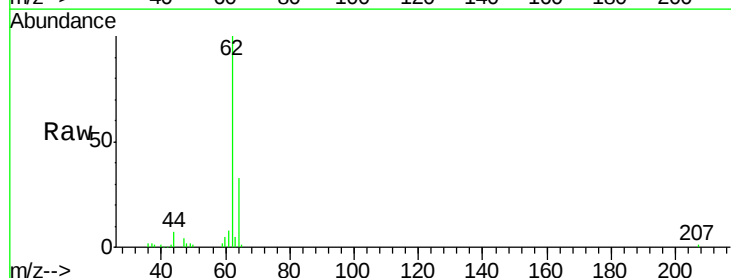
Acq: 21 Jul 2020 15:58

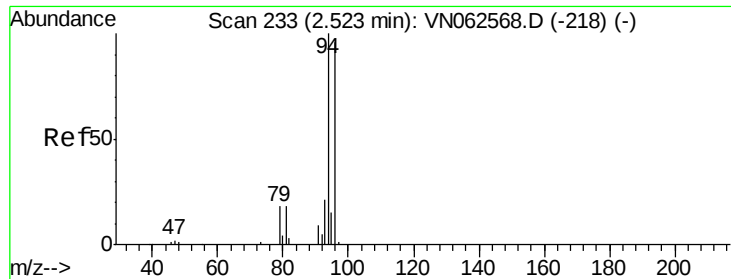
Tgt Ion: 62 Resp: 52947

Ion Ratio Lower Upper

62 100

64 33.1 25.8 38.8





#5

Bromomethane

Concen: 17.717 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 25098

Ion Ratio Lower Upper

94 100

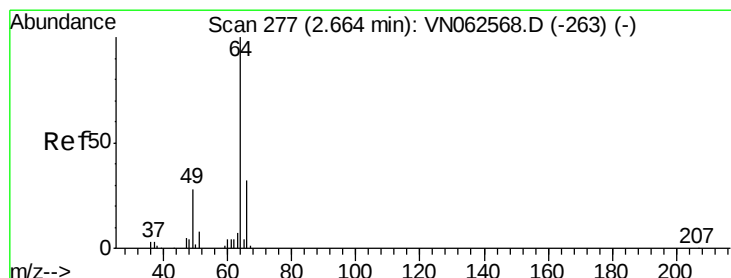
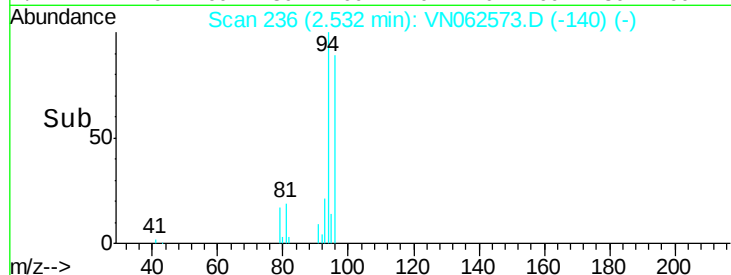
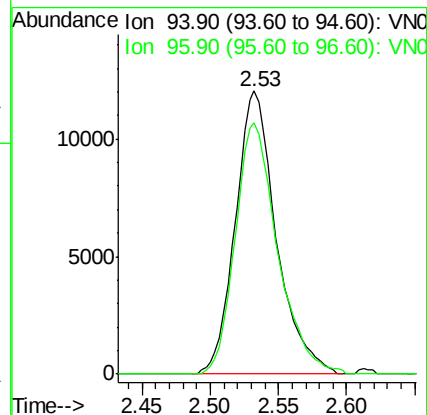
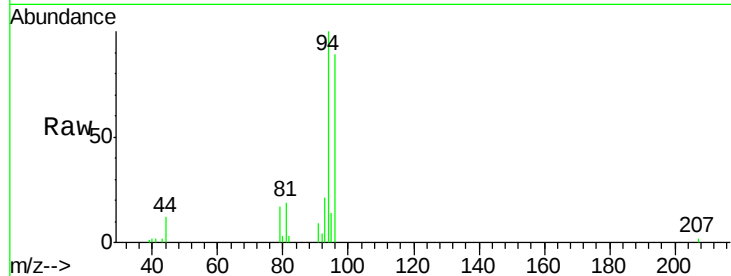
96 88.9 76.6 114.8

Manual Integrations

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#6

Chloroethane

Concen: 16.765 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062573.D

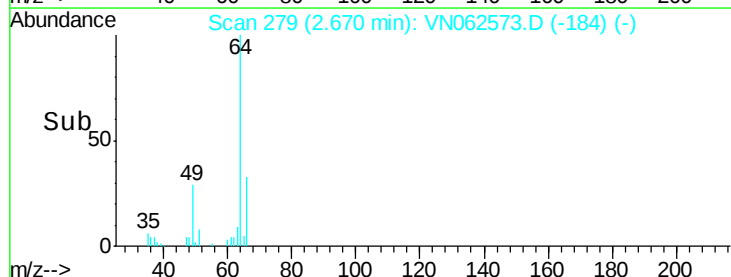
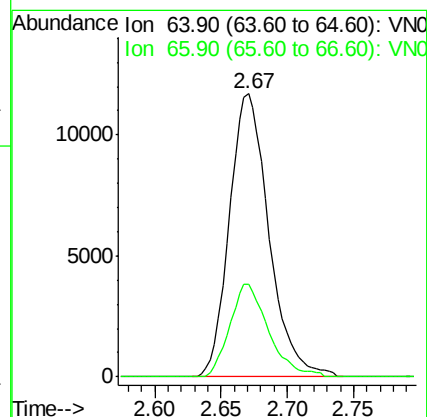
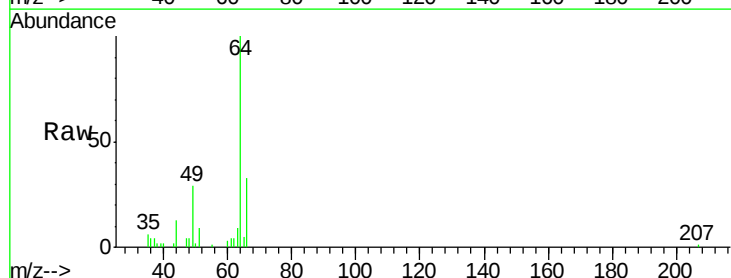
Acq: 21 Jul 2020 15:58

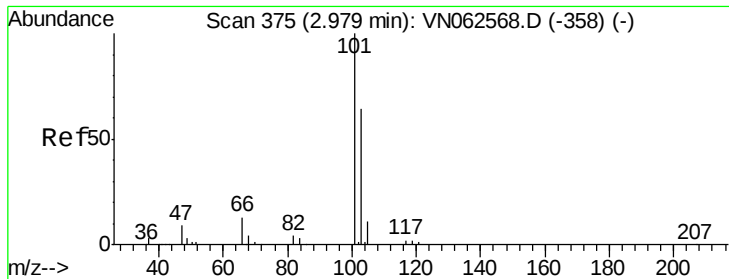
Tgt Ion: 64 Resp: 24254

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.8





#7

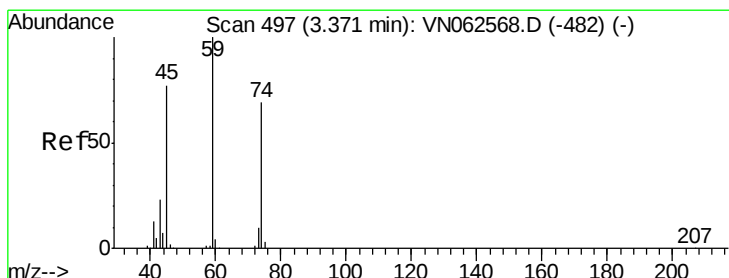
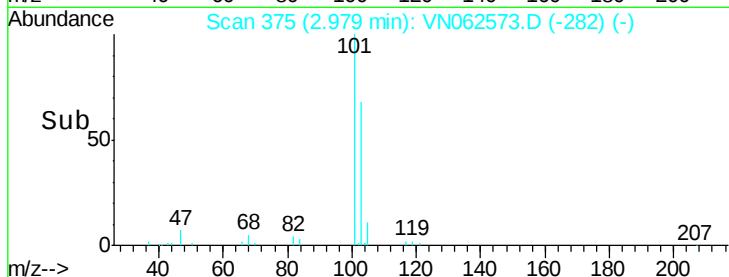
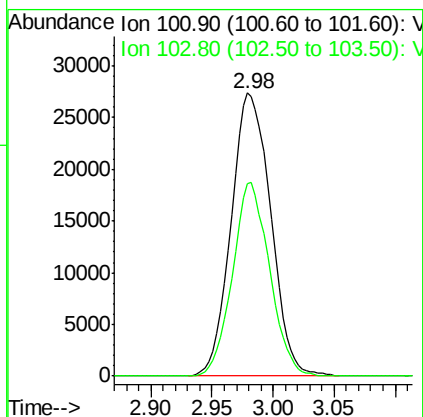
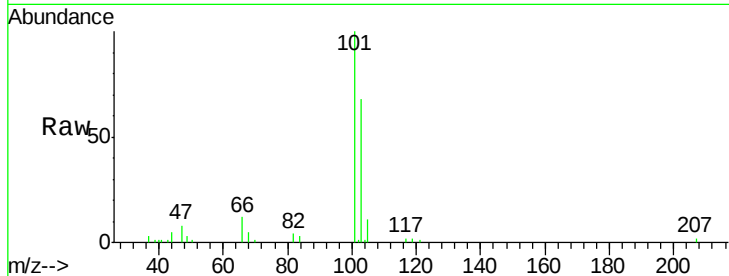
Trichlorofluoromethane
 Concen: 16.403 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.5	77.3

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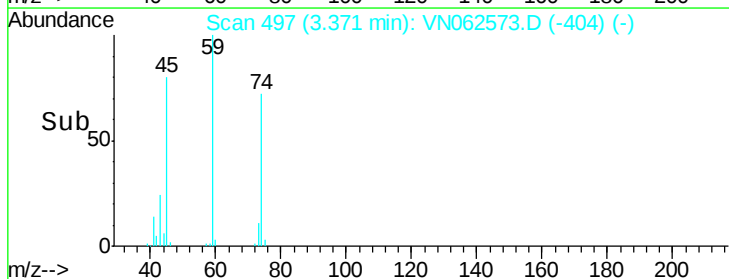
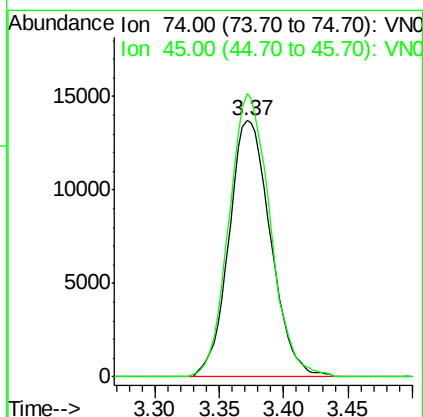
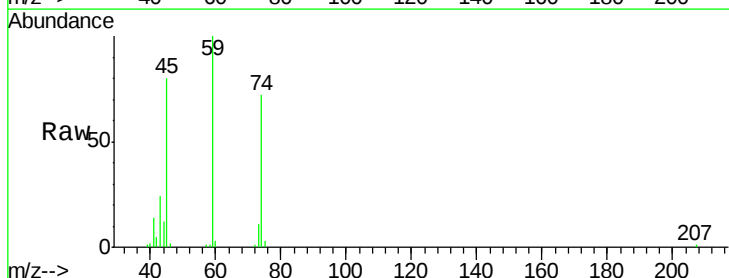
MMDadoda
 7/22/2020 2:45:46 PM

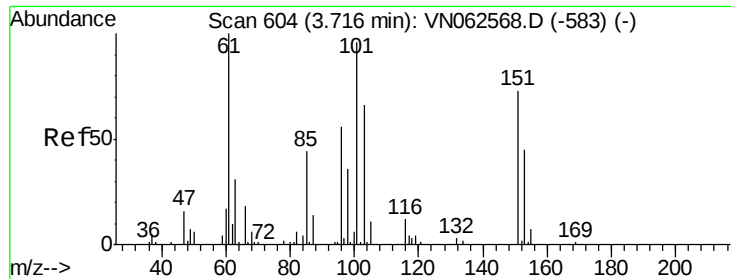


#8

Diethyl Ether
 Concen: 17.574 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.919 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

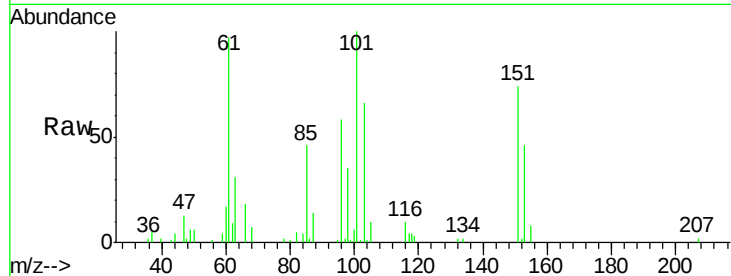
ClientSampleId :

VN0721WBS01

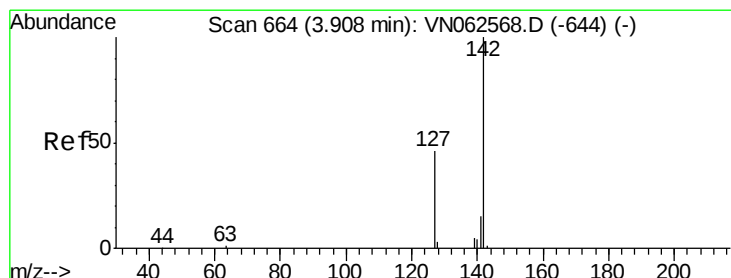
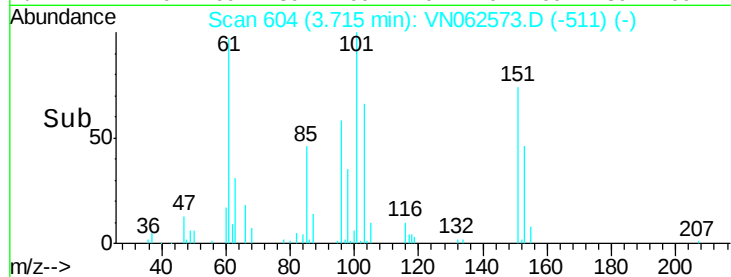
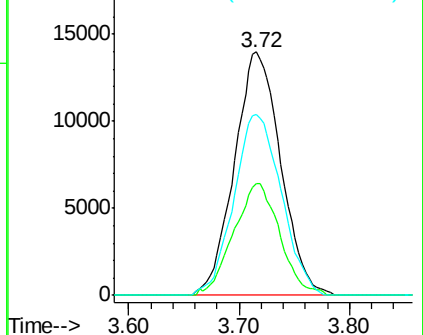
Tot Ion:	101	Resp:	40735
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	76.0	60.0	90.0

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



#10

Methyl Iodide

Concen: 15.439 ug/l

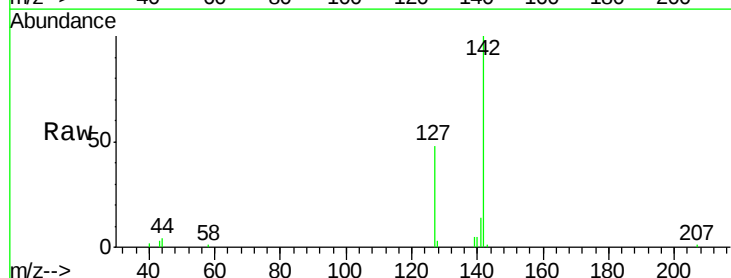
RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

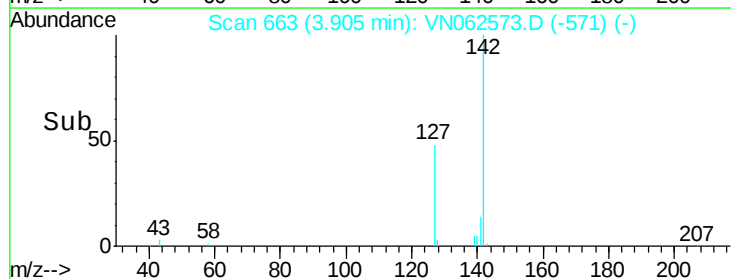
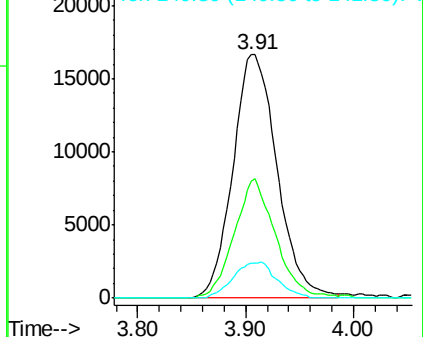
Lab File: VN062573.D

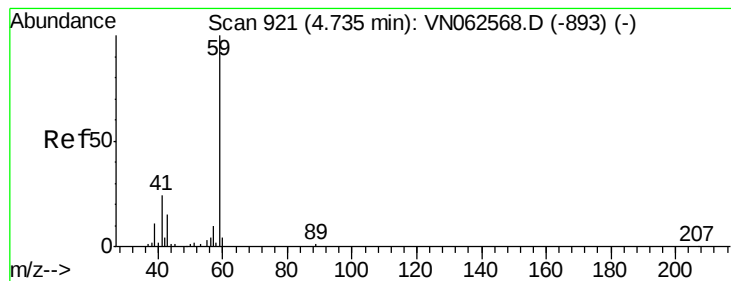
Acq: 21 Jul 2020 15:58

Tgt Ion:	142	Resp:	47523
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.4	56.0
141	14.5	11.9	17.9



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





#11

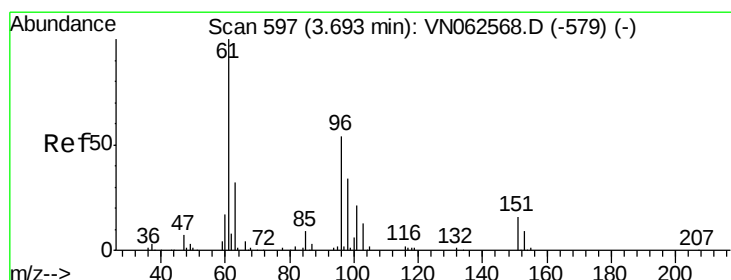
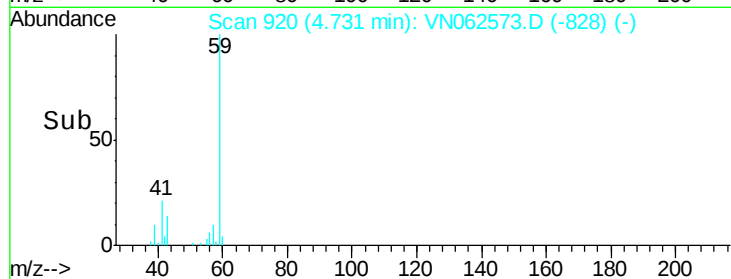
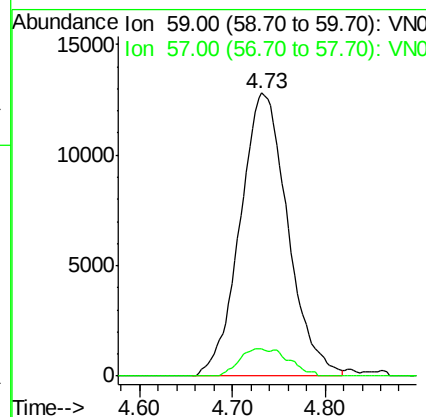
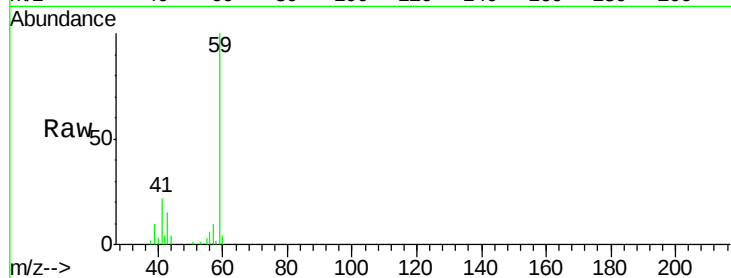
Tert butyl alcohol
 Concen: 81.250 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0721WBS01

Tot Ion	59	Resp	45789
Ion Ratio	100	Lower	Upper
57	5.6	8.2	12.2#

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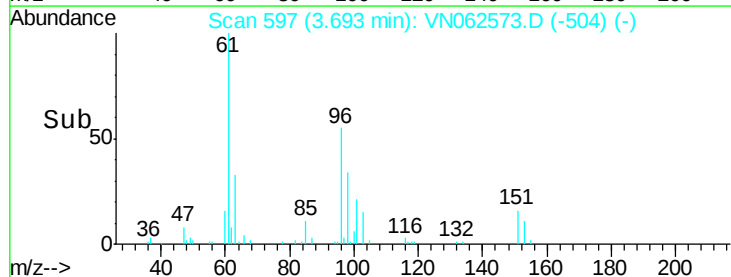
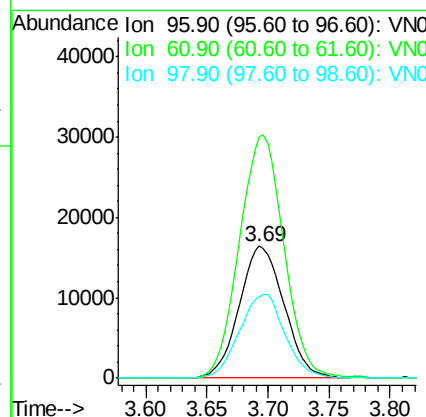
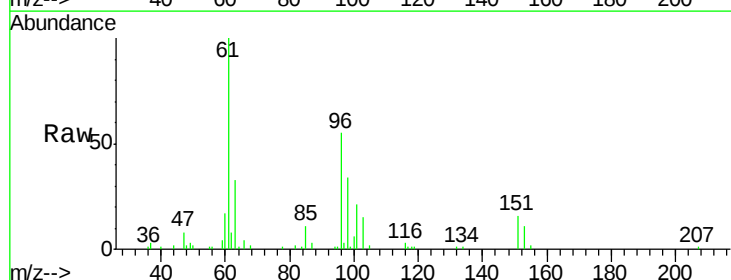
MMDadoda
 7/22/2020 2:45:46 PM

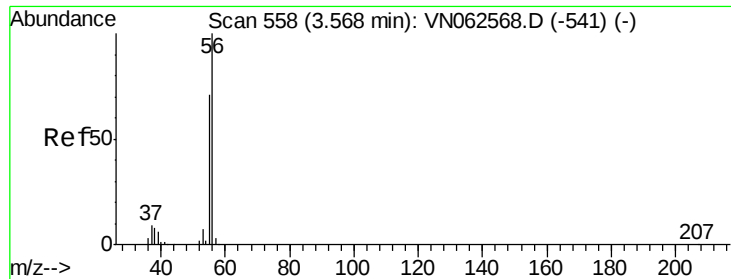


#12

1,1-Dichloroethene
 Concen: 17.126 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	96	Resp	41817
Ion Ratio	100	Lower	Upper
61	182.9	148.6	222.8
98	62.0	50.6	75.8





#13

Acrolein

Concen: 76.473 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion: 56 Resp: 41383

Ion Ratio Lower Upper

56 100

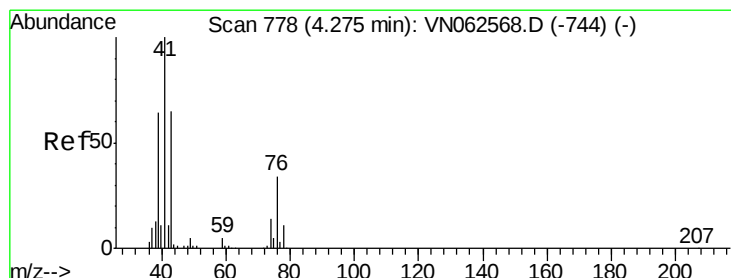
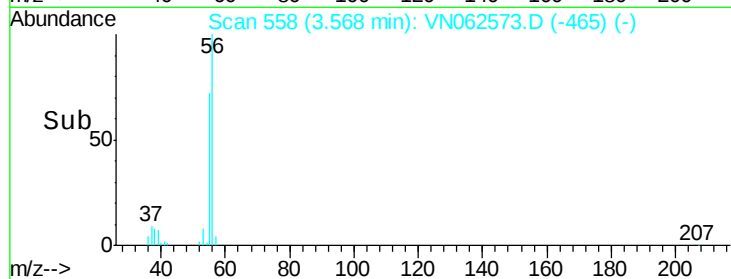
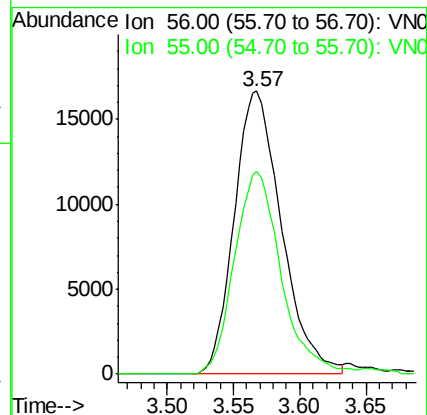
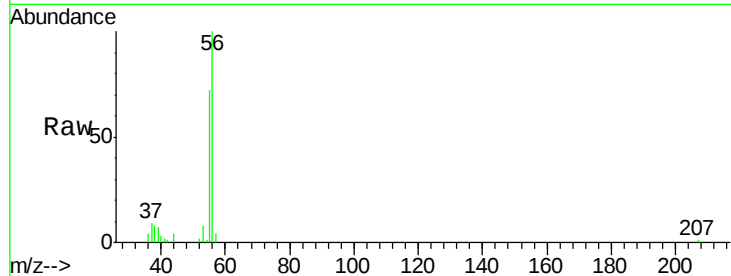
55 70.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.091 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

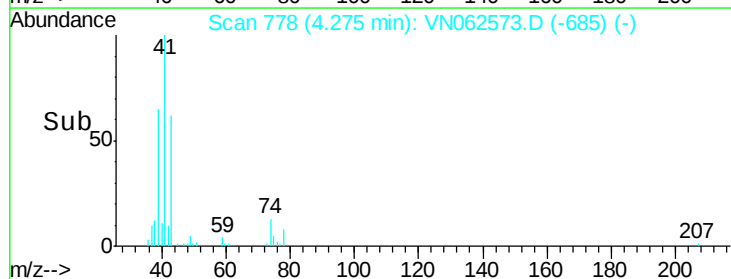
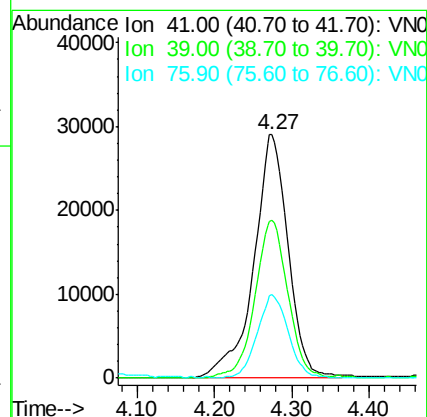
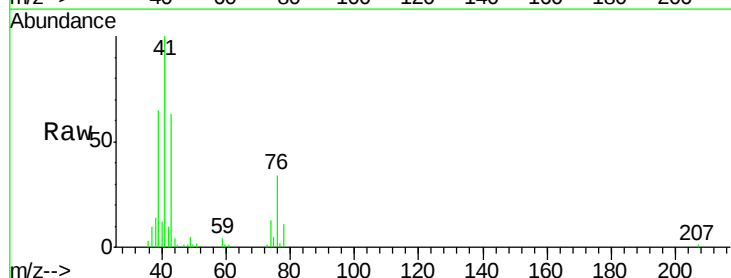
Tgt Ion: 41 Resp: 90271

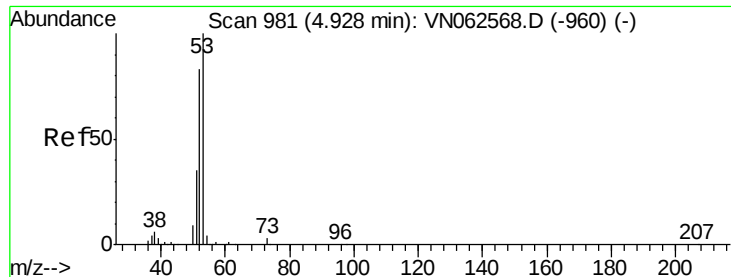
Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.4

76 30.9 24.0 36.0





#15

Acrylonitrile

Concen: 85.265 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

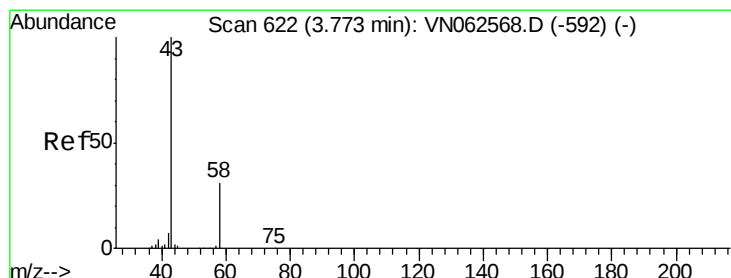
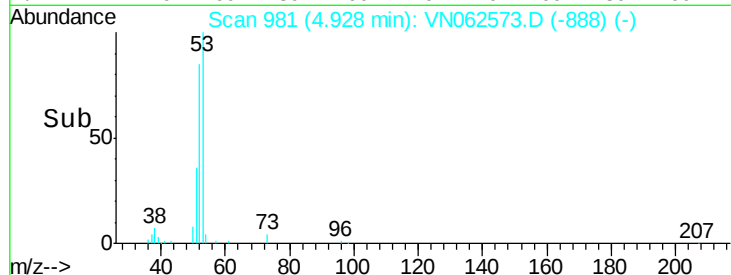
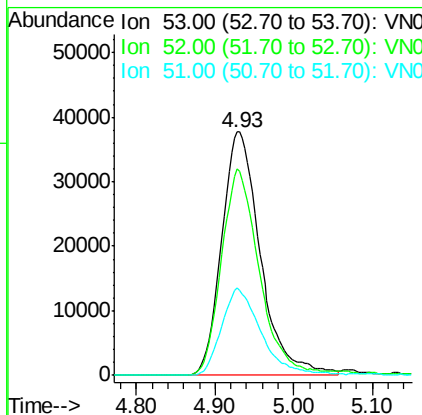
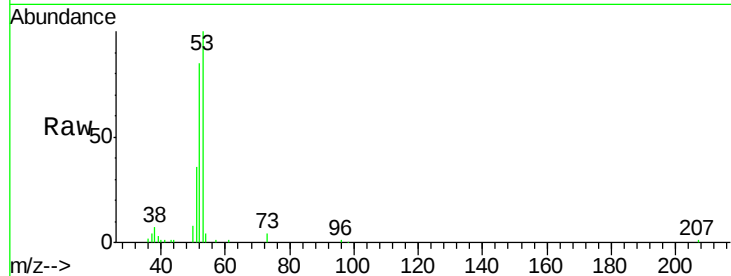
ClientSampleId :

VN0721WBS01

Tot Ion	53	Resp	128705
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.3	99.5
51	36.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 87.599 ug/l

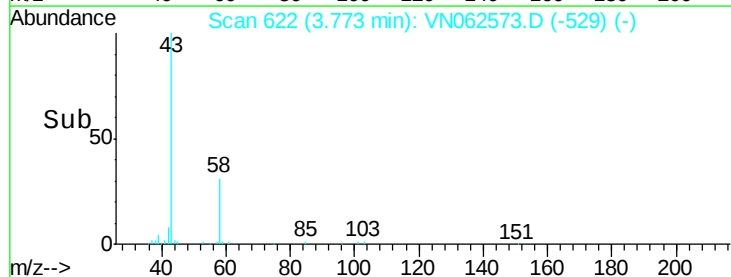
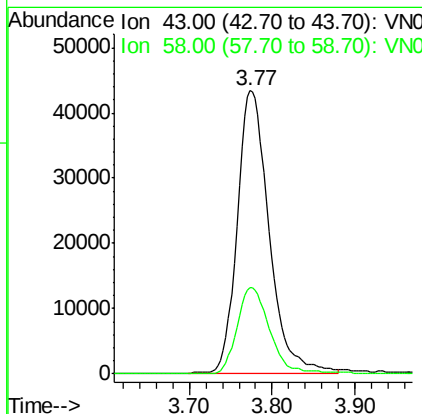
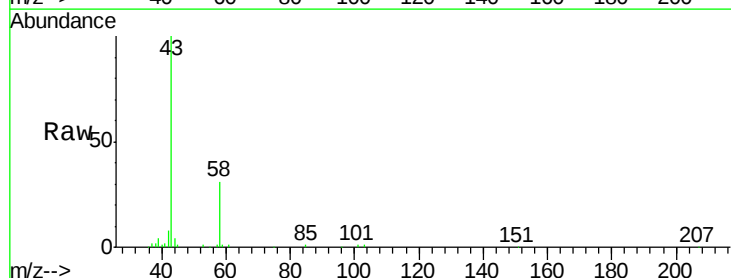
RT: 3.77 min Scan# 622

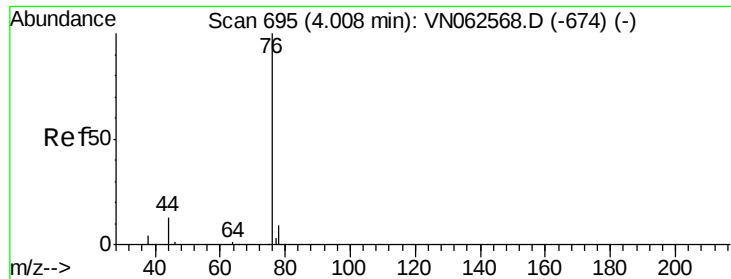
Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion	43	Resp	116779
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.6	37.0





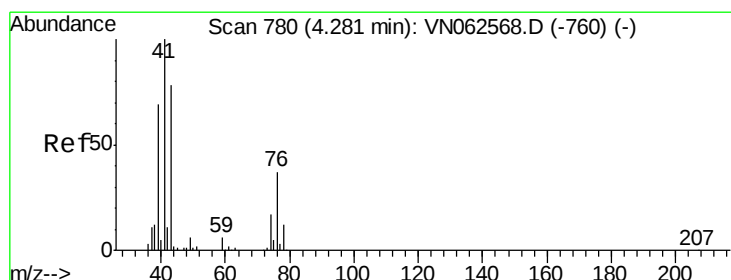
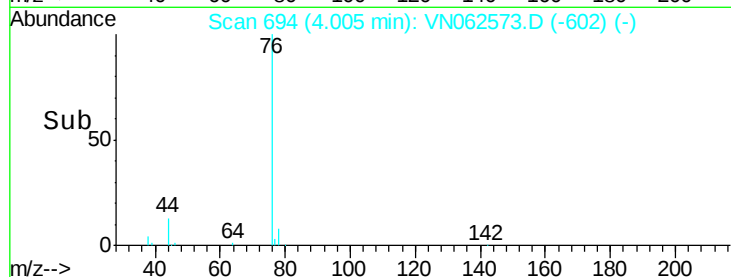
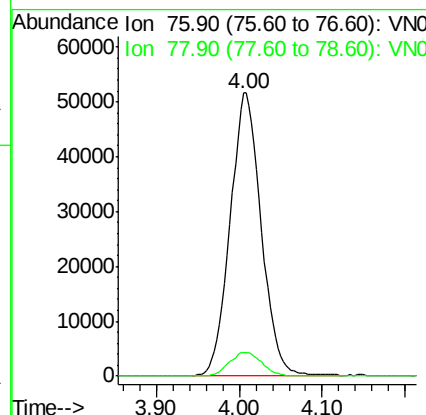
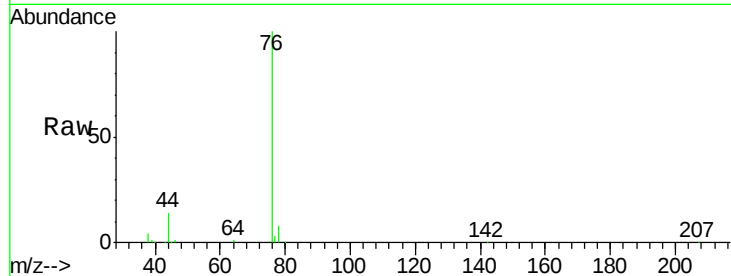
#17
Carbon Disulfide
Concen: 16.809 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

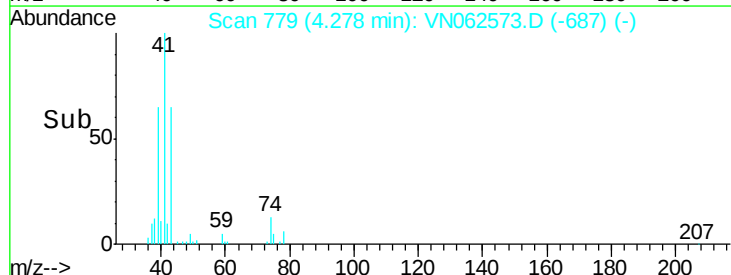
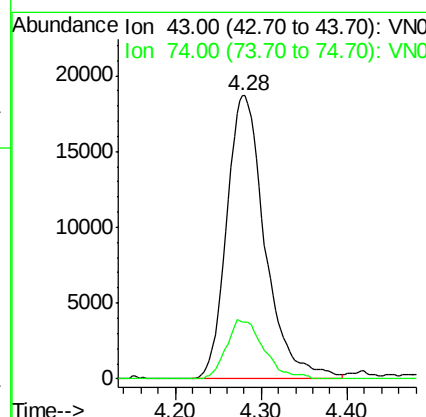
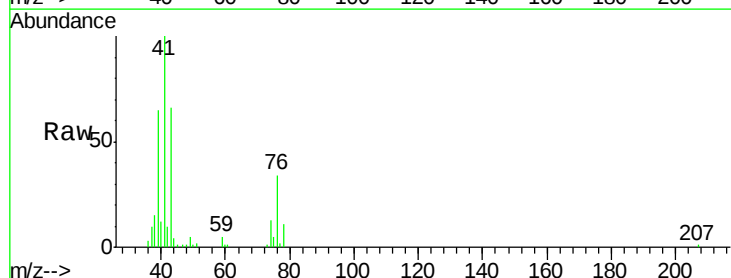
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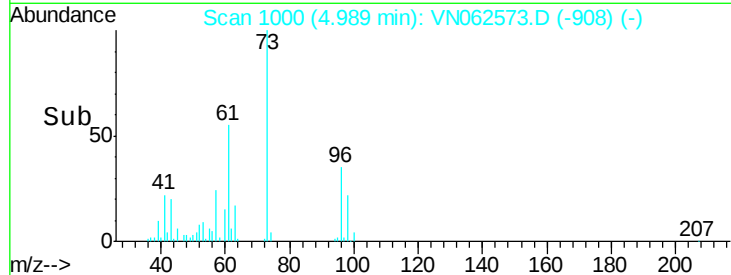
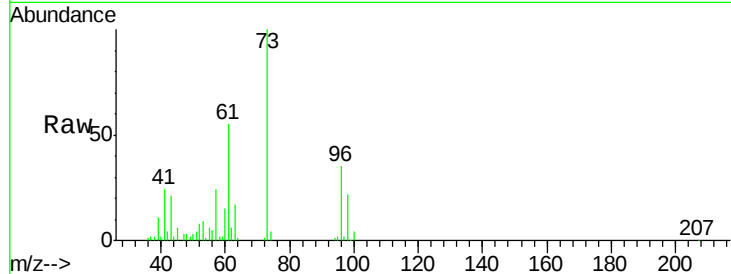
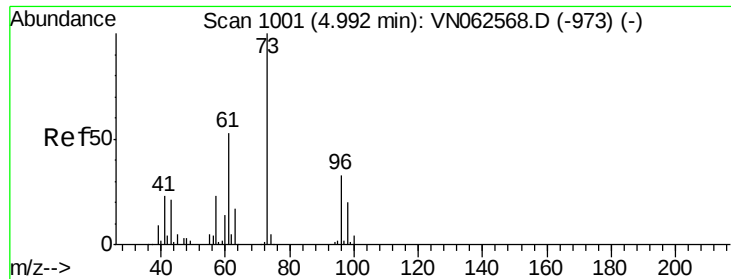
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#18
Methyl Acetate
Concen: 17.166 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.6	24.8





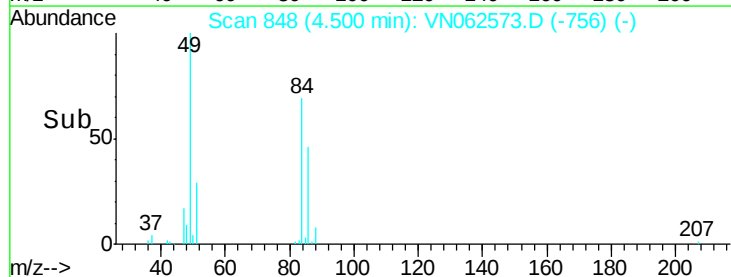
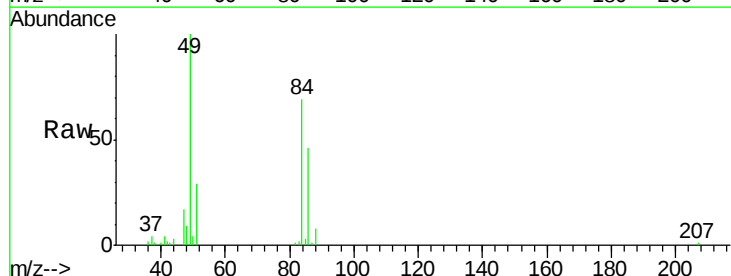
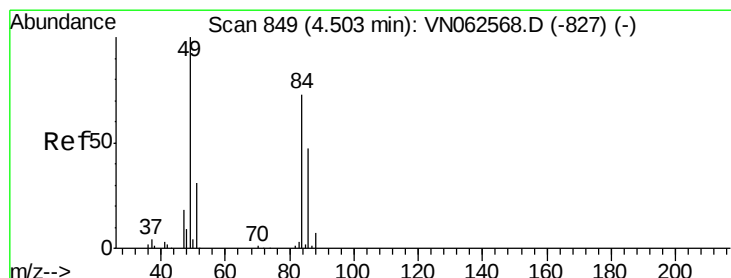
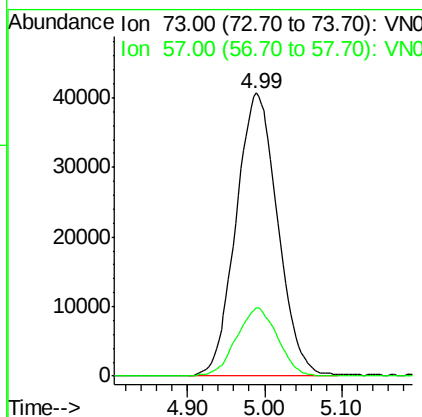
#19
Methvl tert-butvl Ether
Concen: 16.975 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tot Ion: 73 Resp: 152557
Ion Ratio Lower Upper
73 100
57 24.3 18.6 27.8

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

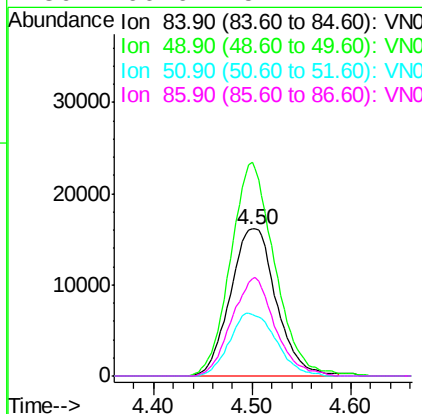
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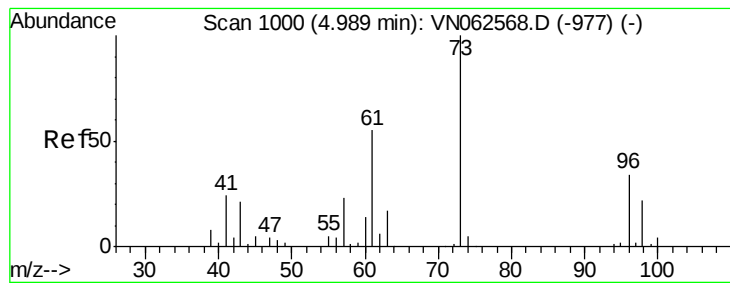
MMDadoda
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#20
Methylene Chloride
Concen: 16.328 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 84 Resp: 52207
Ion Ratio Lower Upper
84 100
49 145.3 109.4 164.0
51 42.1 33.6 50.4
86 66.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.804 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

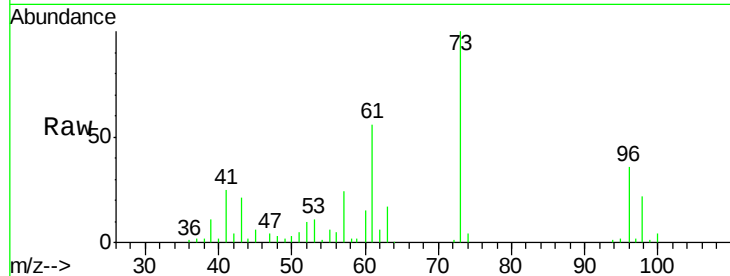
ClientSampleId :

VN0721WBS01

Tot Ion:	96	Resp:	45541
Ion	Ratio	Lower	Upper
96	100		
61	157.7	128.6	192.8
98	61.6	50.6	76.0

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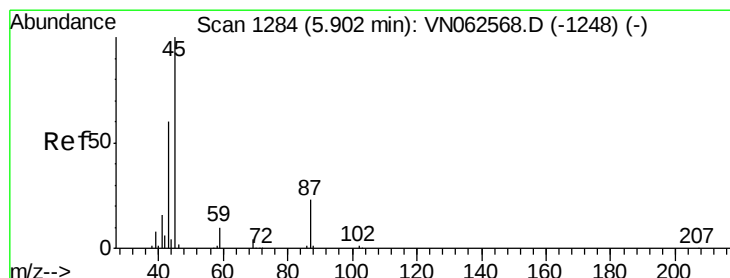
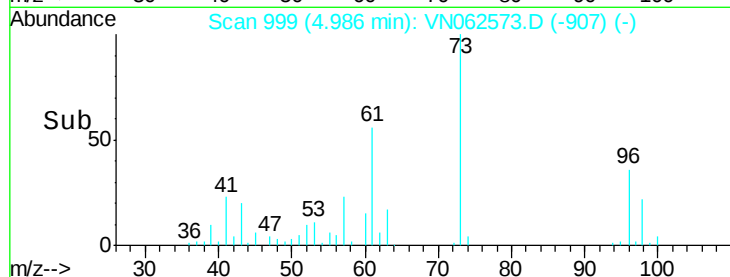
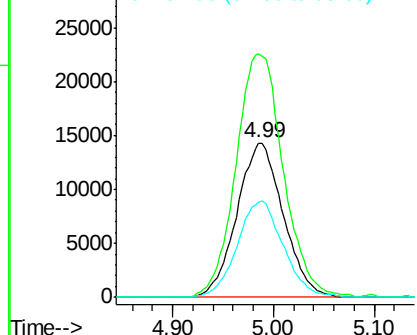


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.555 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion:	45	Resp:	184313
Ion	Ratio	Lower	Upper
45	100		
43	66.3	48.7	73.1
87	23.4	19.0	28.6
59	11.0	8.6	13.0

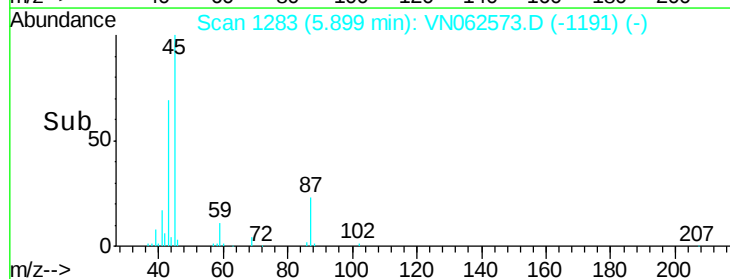
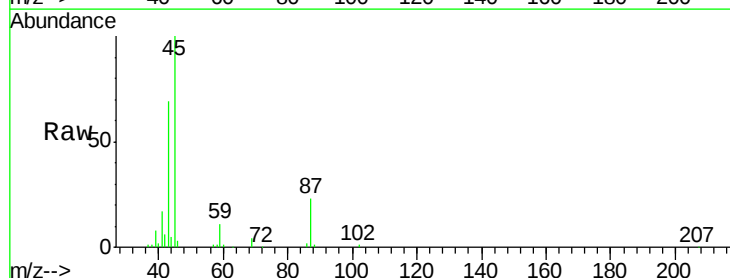
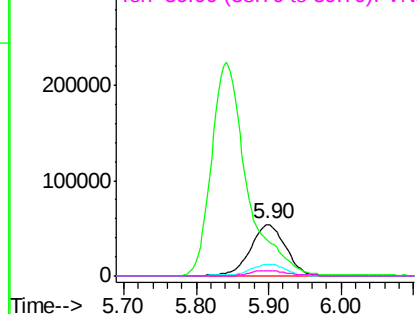
Abundance

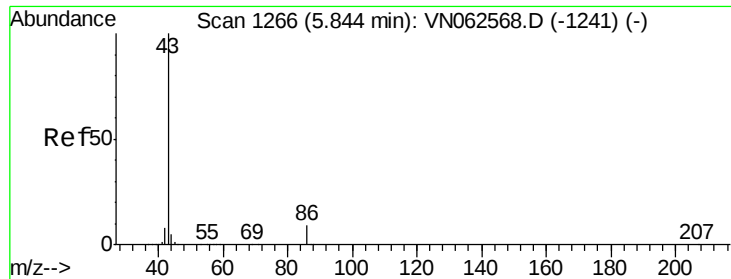
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





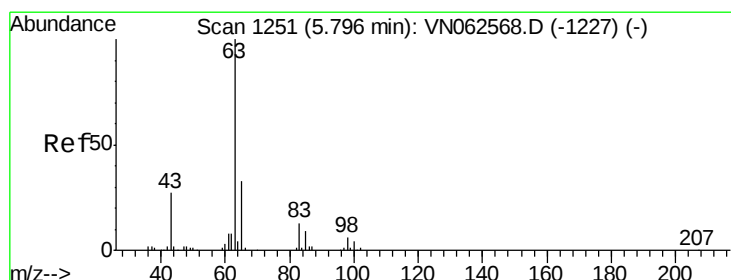
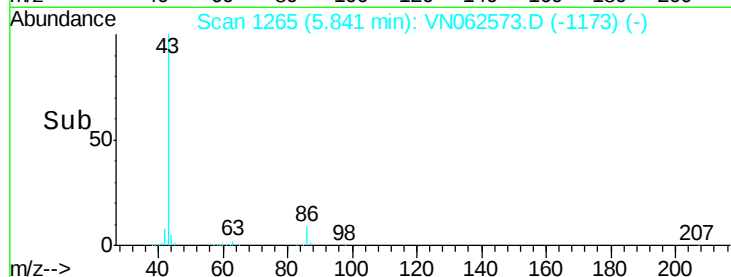
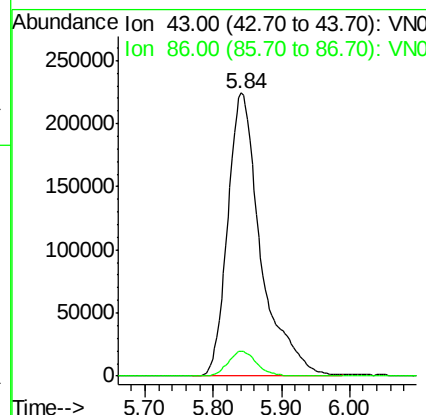
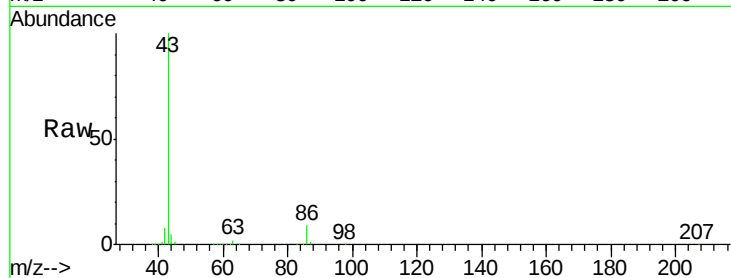
#23
 Vinyl Acetate
 Concen: 88.243 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	43	Resp	759120
Ion Ratio	Lower	Upper	
43	100		
86	8.7	6.9	10.3

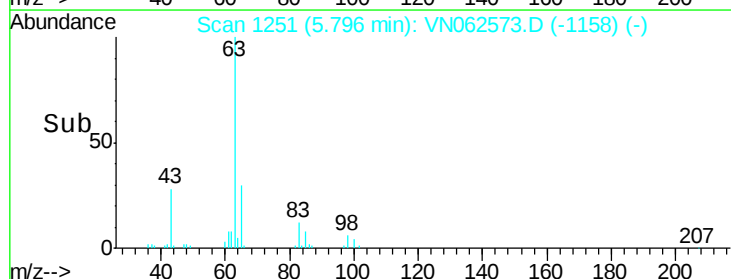
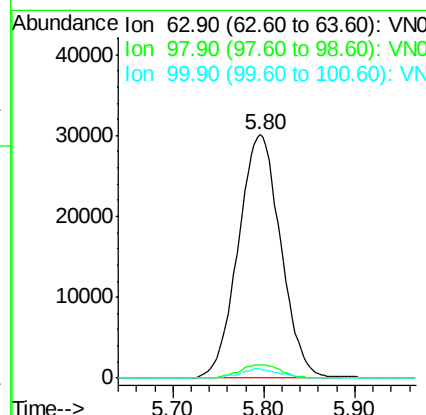
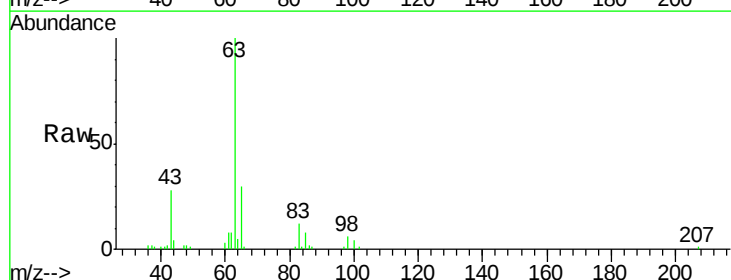
Manual Integrations
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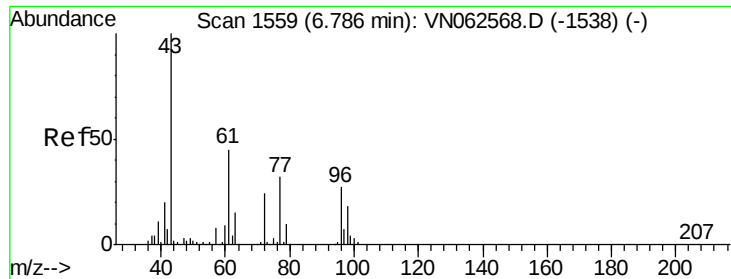
MMDadoda
 7/22/2020 2:45:46 PM



#24
 1,1-Dichloroethane
 Concen: 17.234 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	63	Resp	97436
Ion Ratio	Lower	Upper	
63	100		
98	5.5	2.9	8.8
100	3.7	1.8	5.4





#25

2-Butanone

Concen: 86.381 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion: 43 Resp: 175378

Ion Ratio Lower Upper

43 100

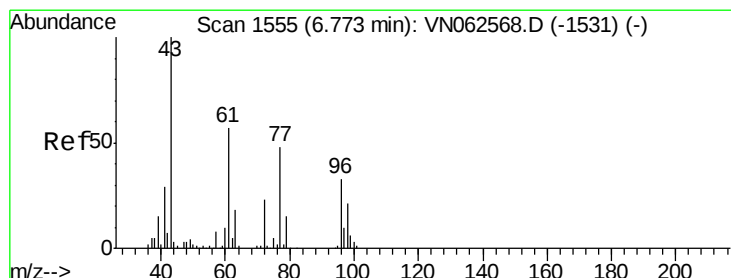
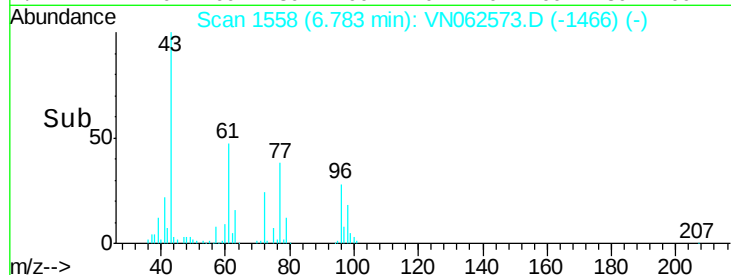
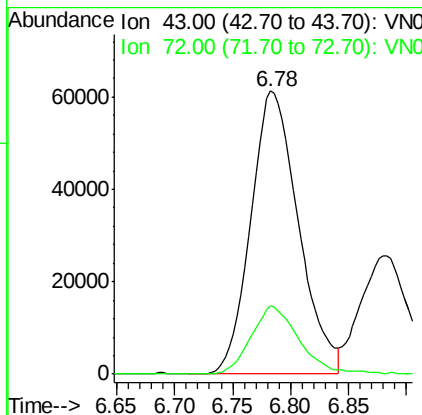
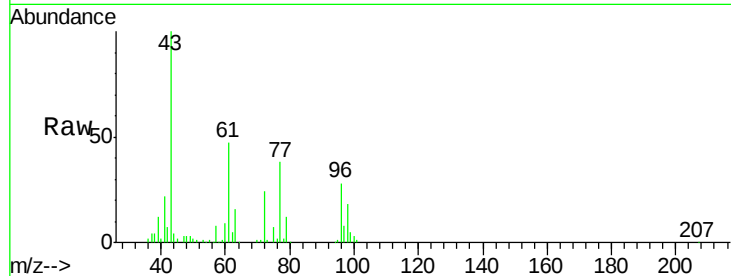
72 24.0 19.0 28.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.974 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VN062573.D

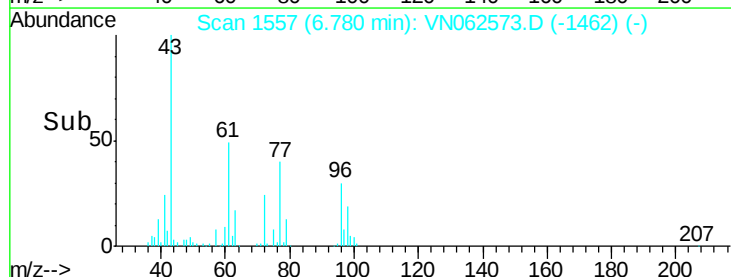
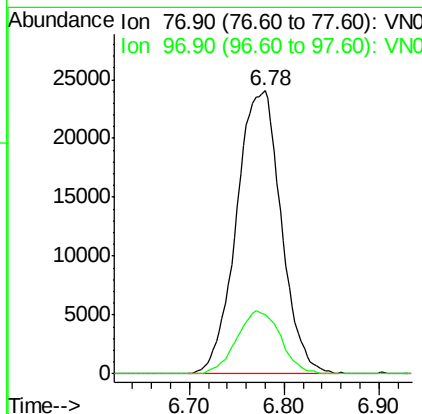
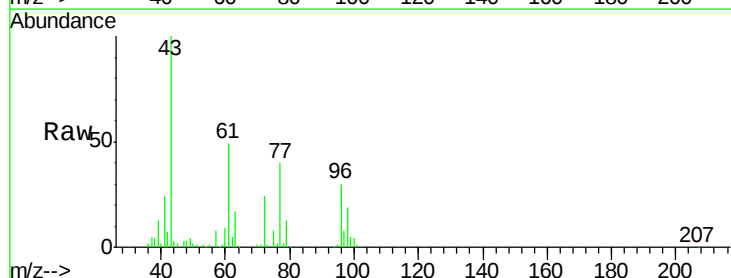
Acq: 21 Jul 2020 15:58

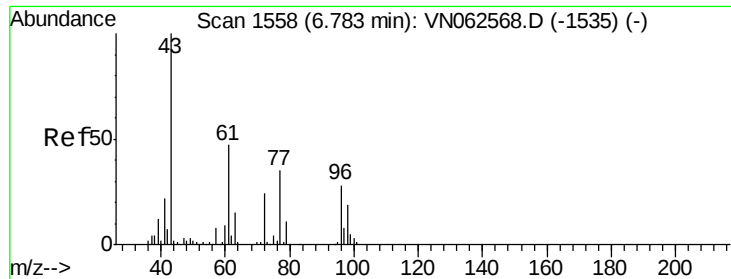
Tgt Ion: 77 Resp: 78778

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4





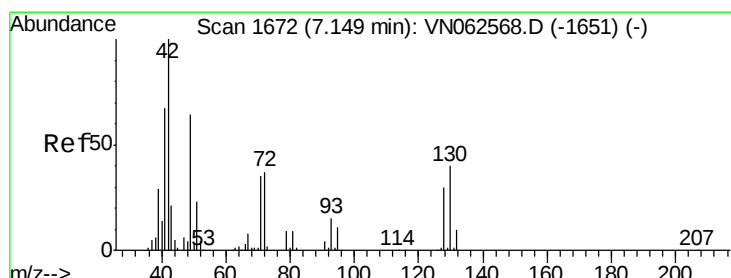
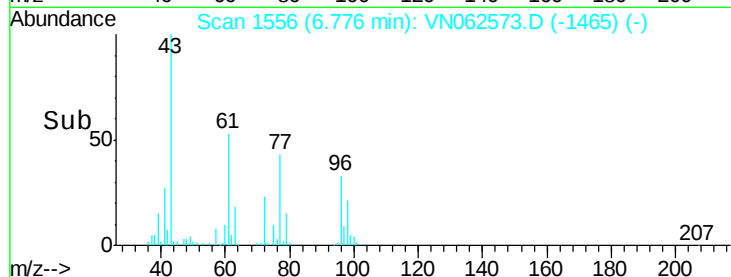
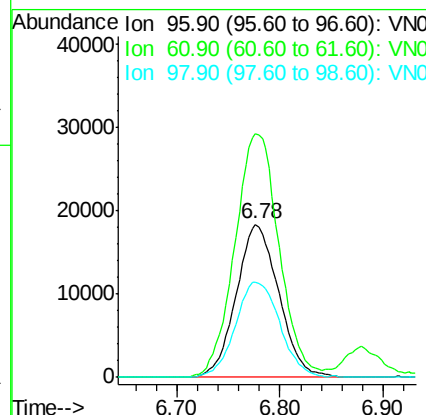
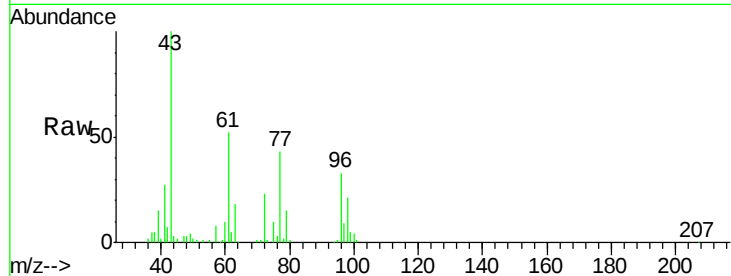
#27
 cis-1,2-Dichloroethene
 Concen: 17.017 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.5	0.0	332.4	
98	65.2	0.0	127.4	

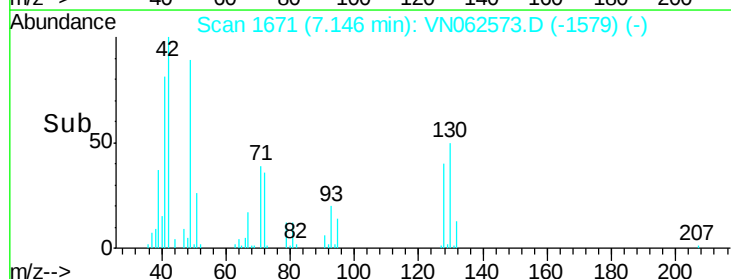
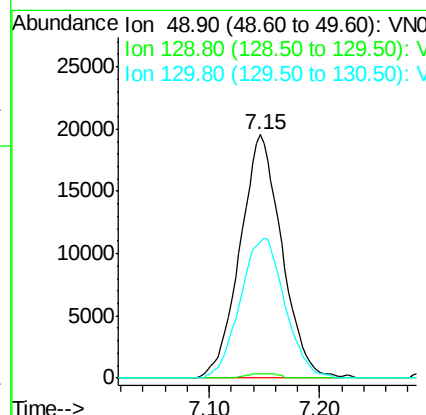
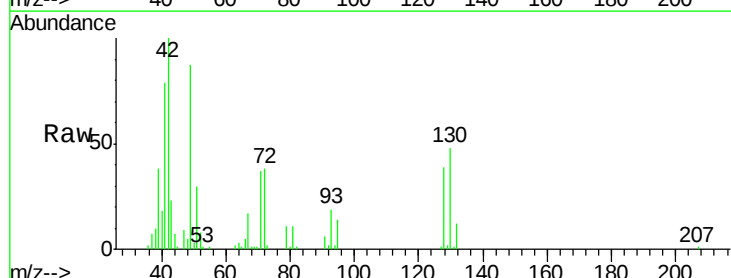
Manual Integrations
 APPROVED

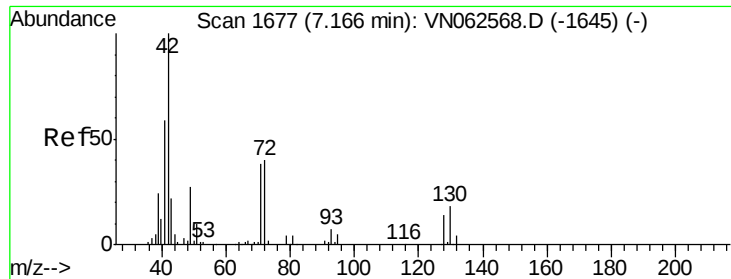
MMDadoda
 7/22/2020 2:45:46 PM



#28
 Bromochloromethane
 Concen: 18.405 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.4	
130	61.3	49.8	74.8	





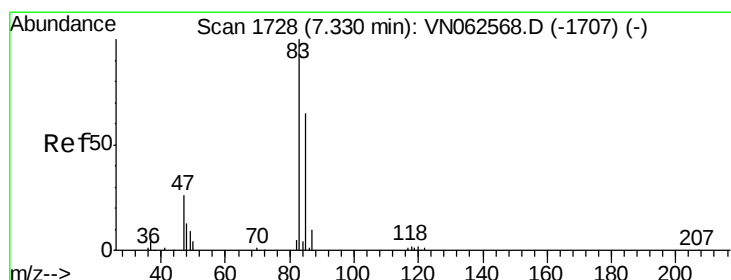
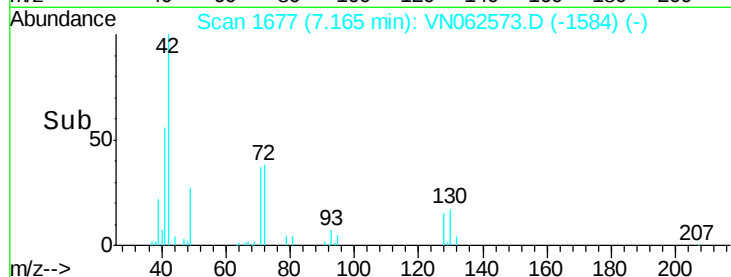
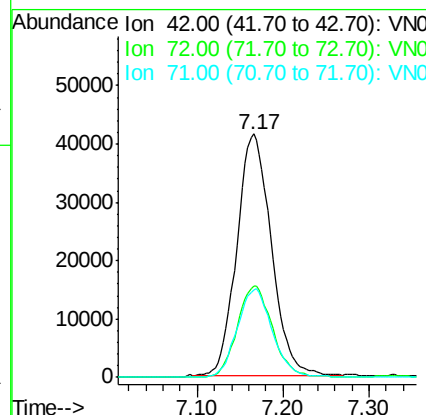
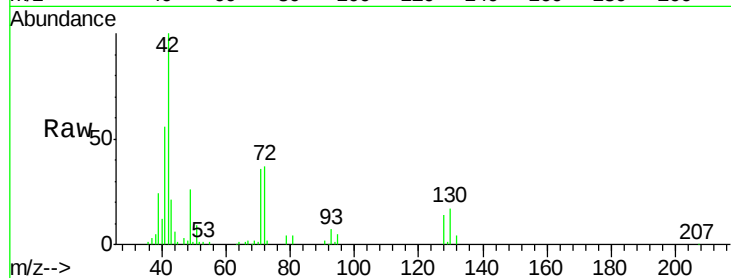
#29
Tetrahydrofuran
Concen: 84.184 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.7	46.1
71	37.1	29.1	43.7

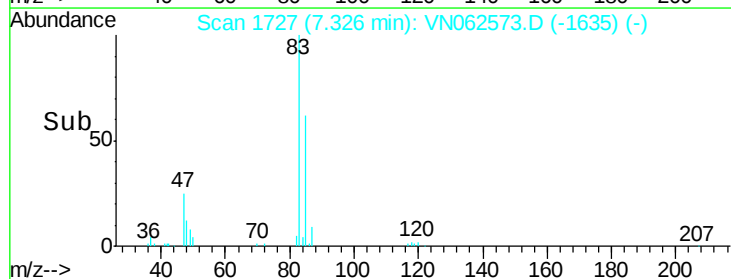
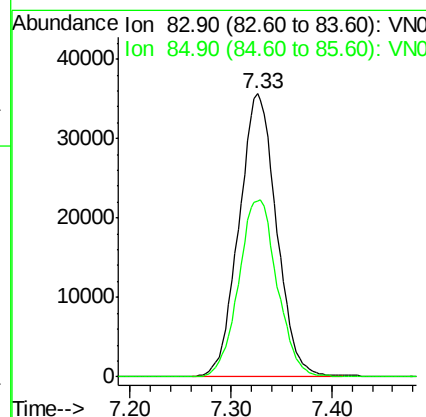
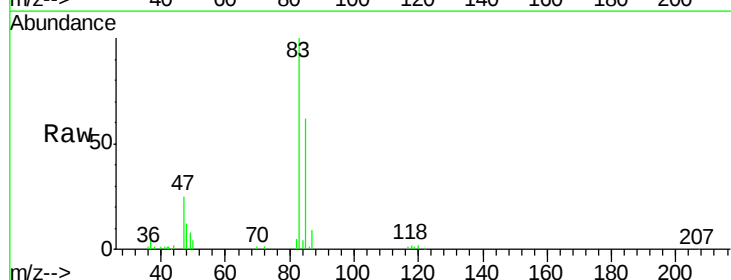
Manual Integrations
APPROVED

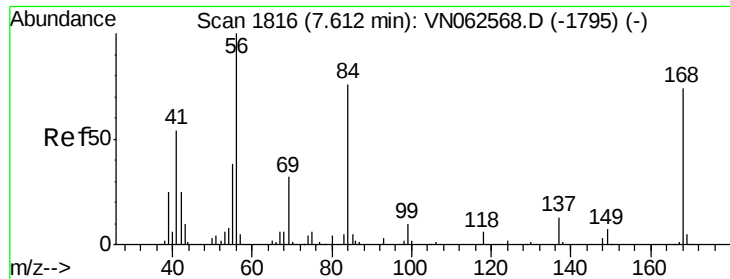
MMDadoda
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#30
Chloroform
Concen: 17.132 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.0	78.0





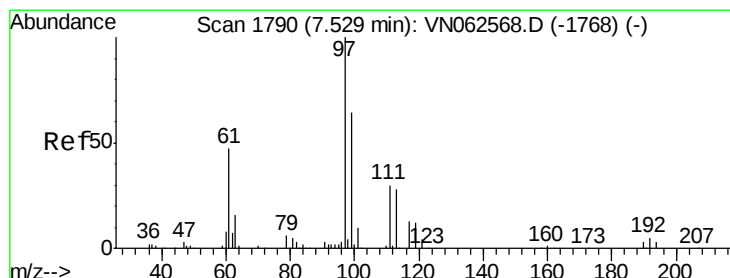
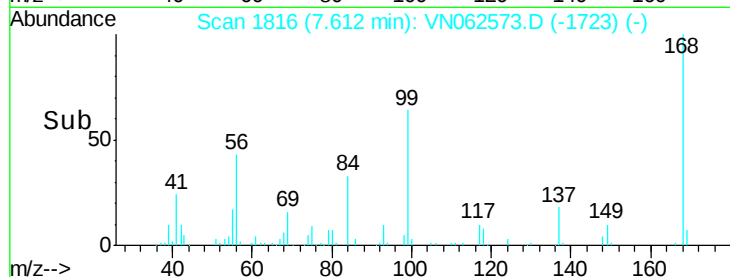
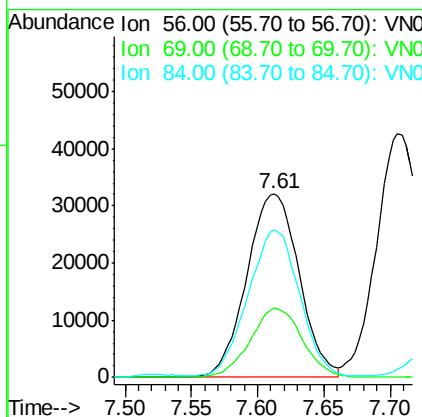
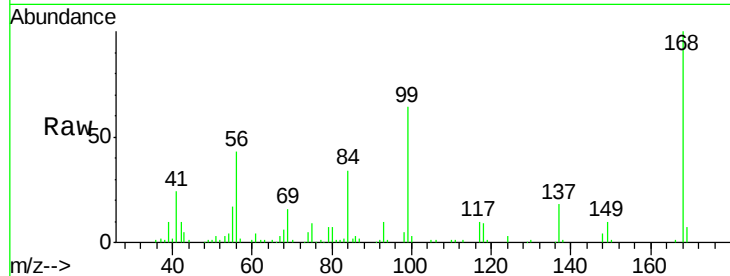
#31
Cyclohexane
Concen: 16.922 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.3	37.9
84	79.2	61.0	91.4

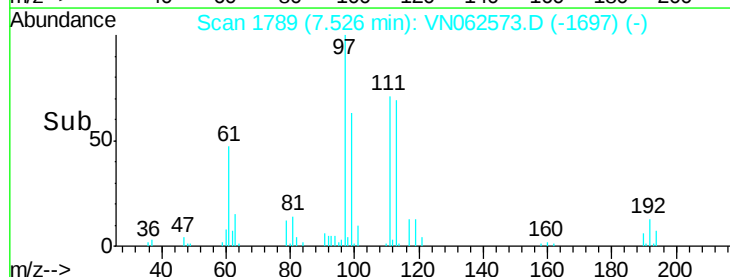
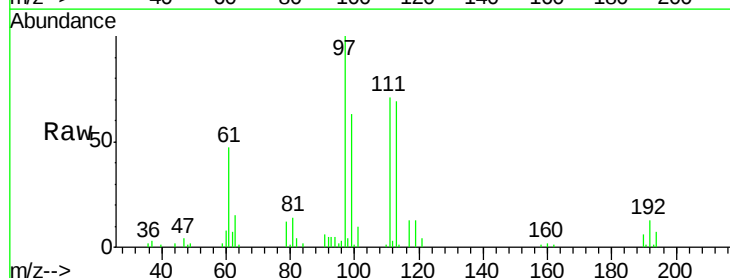
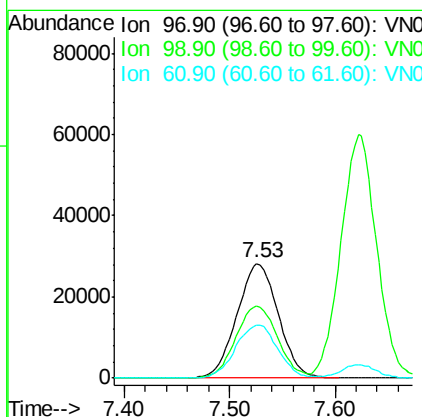
Manual Integrations
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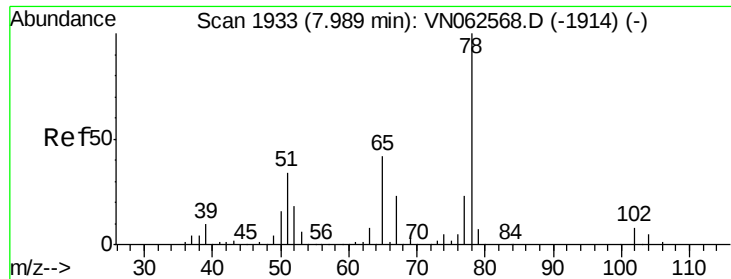
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.144 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	47.1	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 44.032 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion: 65 Resp: 155987

Ion Ratio Lower Upper

65 100

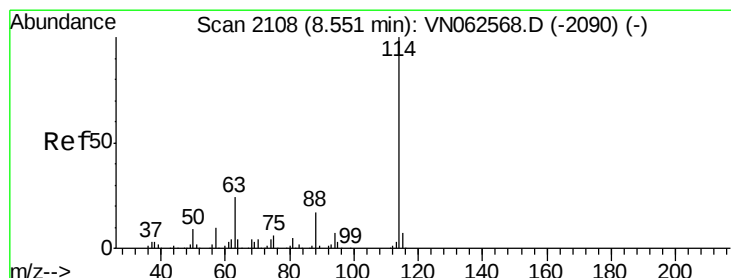
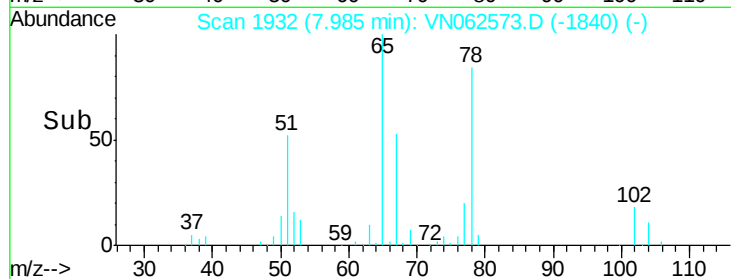
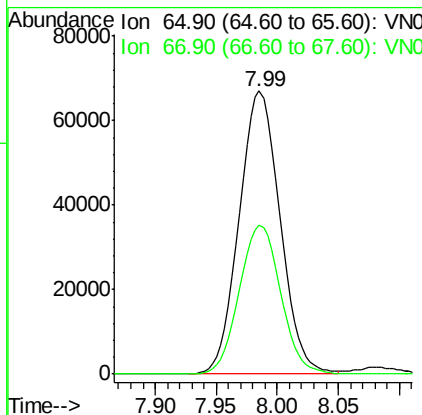
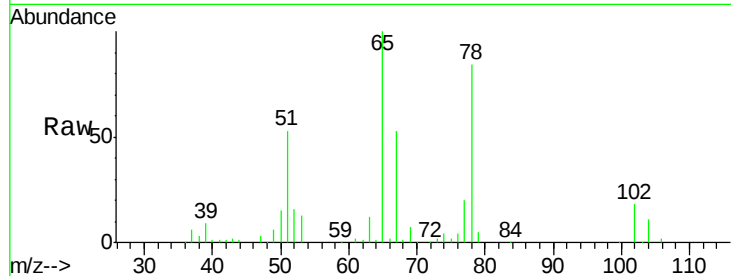
67 53.1 0.0 106.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

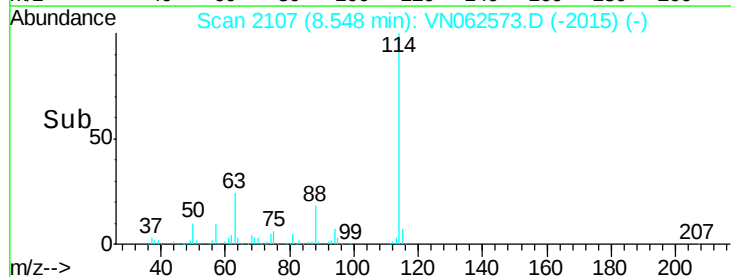
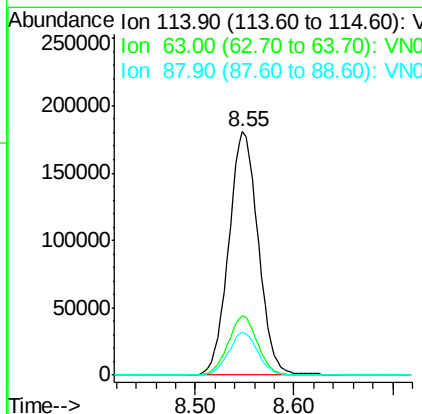
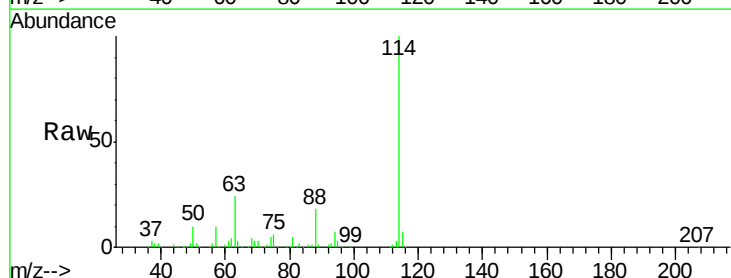
Tgt Ion: 114 Resp: 377681

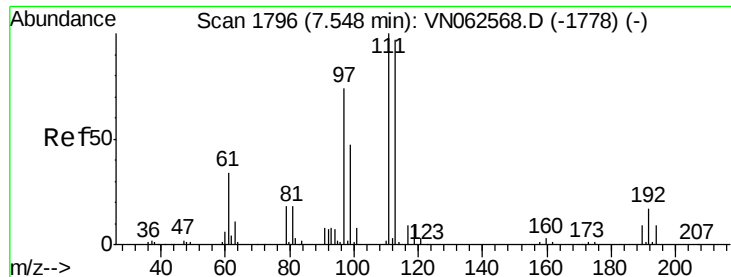
Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.4

88 17.6 0.0 33.8





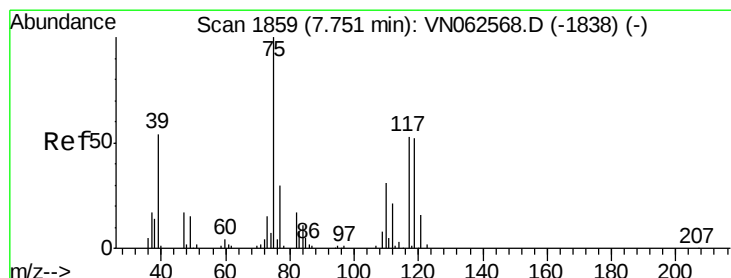
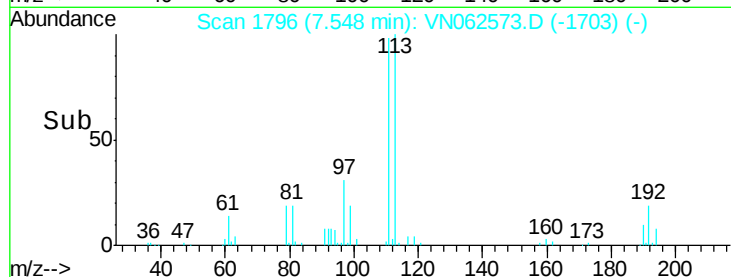
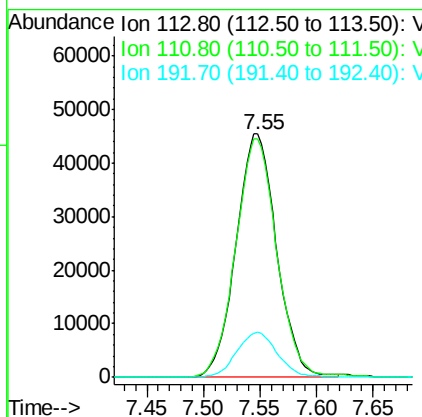
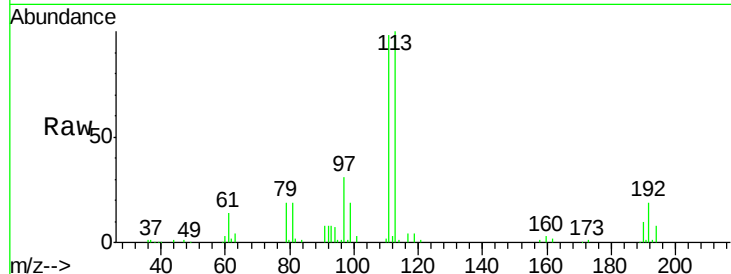
#35
 Dibromofluoromethane
 Concen: 45.682 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113330		
111	99.8	82.7	124.1	
192	18.5	14.8	22.2	

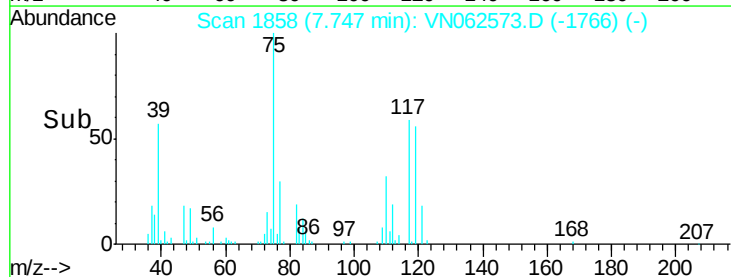
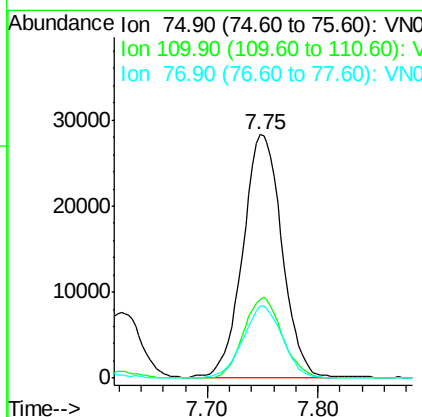
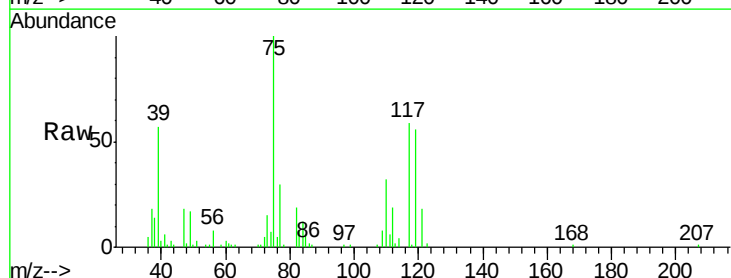
Manual Integrations
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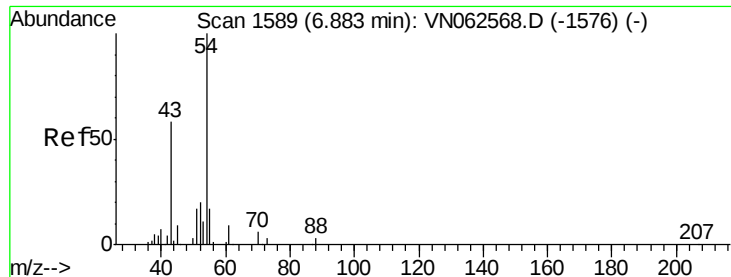
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#36
 1,1-Dichloropropene
 Concen: 17.291 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69608		
110	32.6	16.0	48.0	
77	29.8	24.6	36.8	





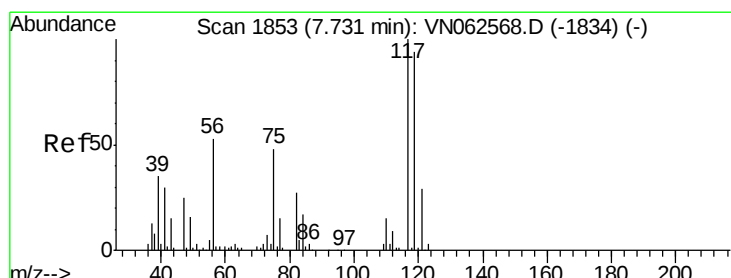
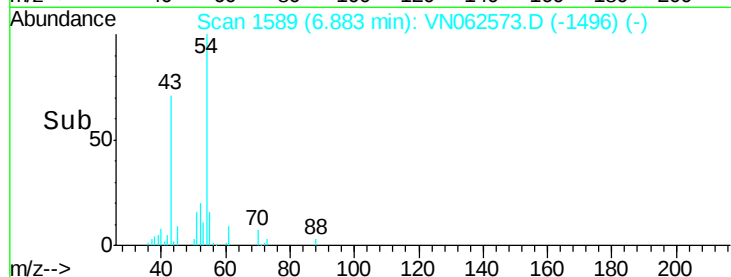
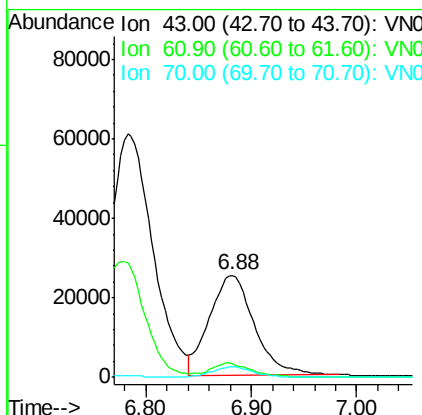
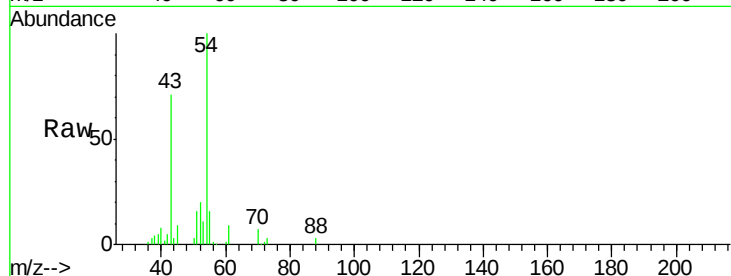
#37
Ethyl Acetate
Concen: 17.350 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	9.7	7.7	11.5

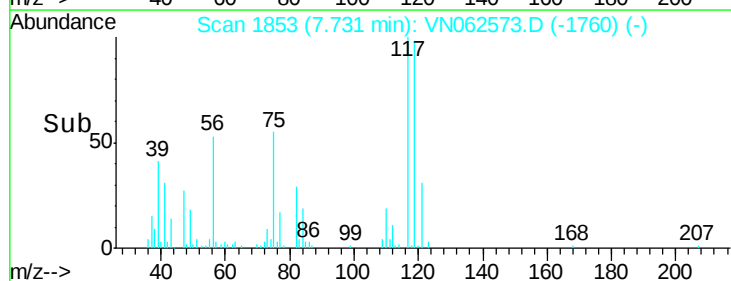
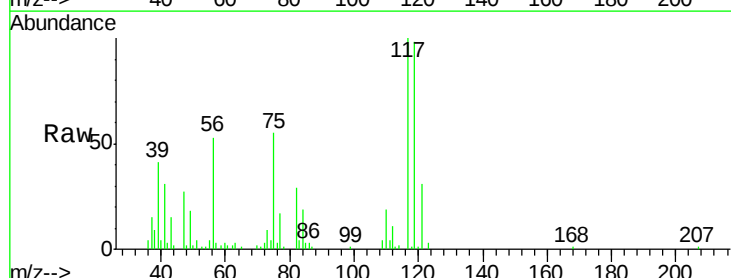
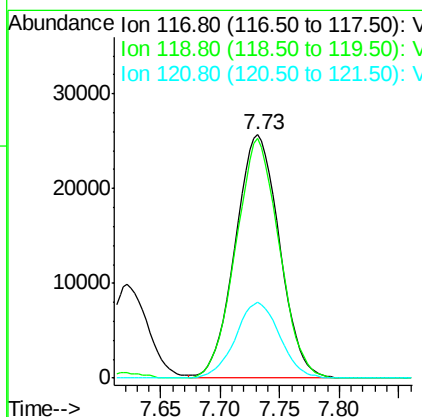
Manual Integrations
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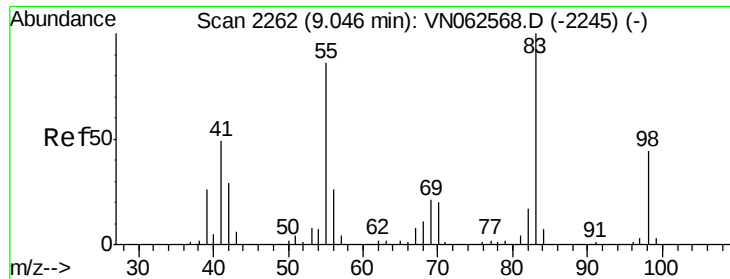
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#38
Carbon Tetrachloride
Concen: 17.087 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.8	112.2
121	31.0	23.0	34.6





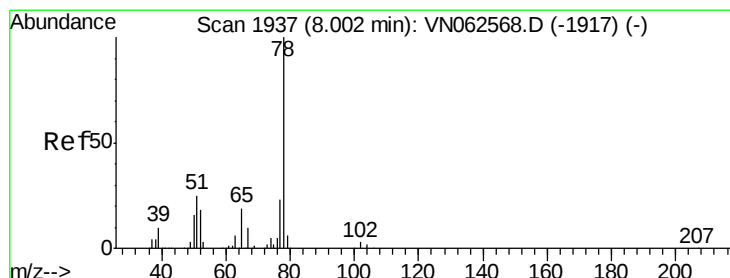
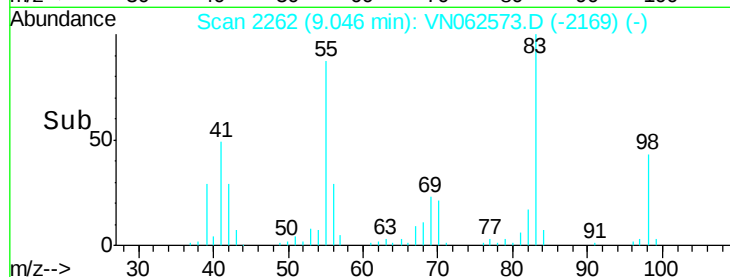
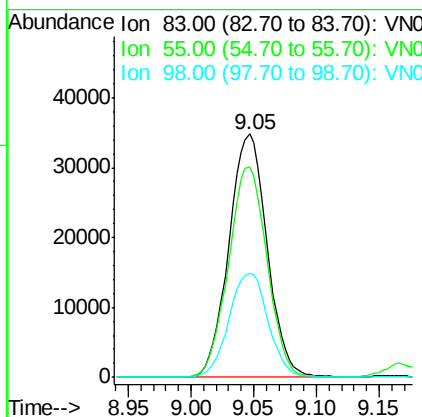
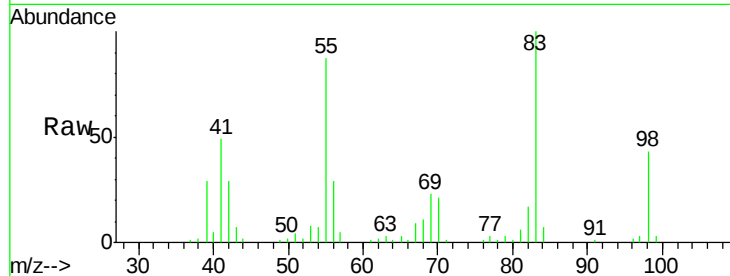
#39
Methvlcvclohexane
Concen: 17.009 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	68.9	103.3
98	42.7	35.1	52.7

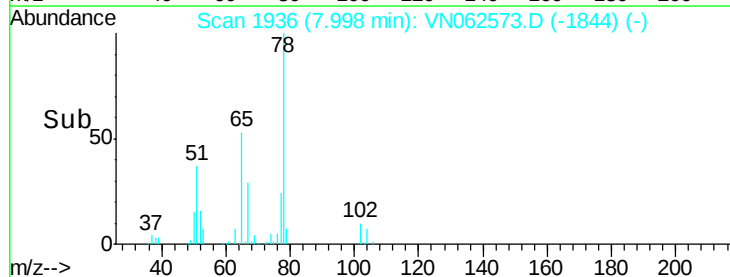
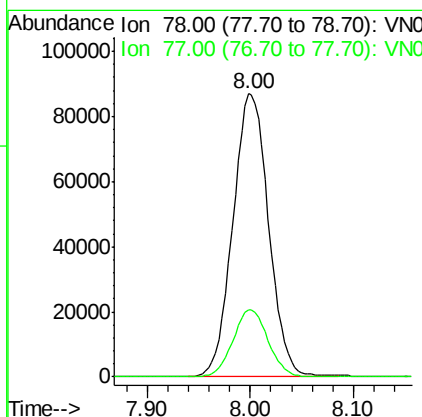
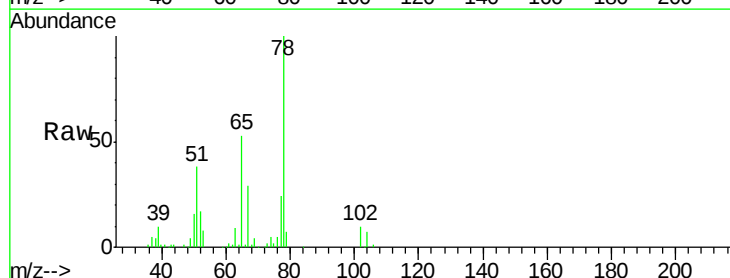
Manual Integrations
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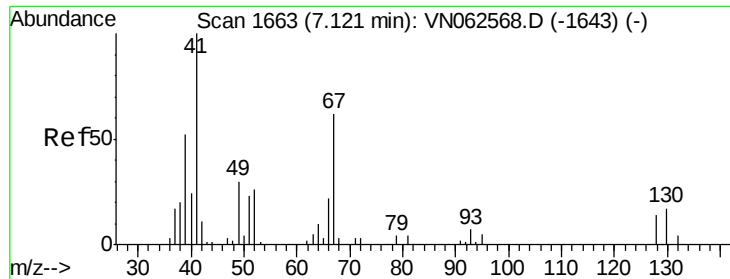
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#40
Benzene
Concen: 17.237 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





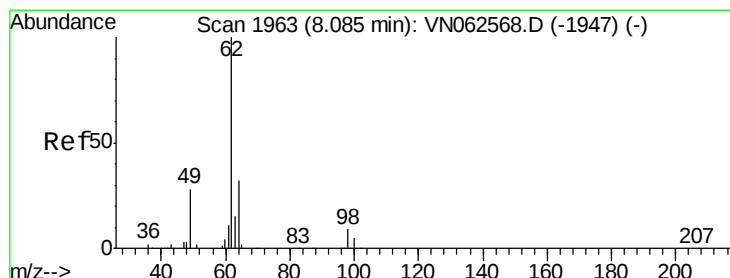
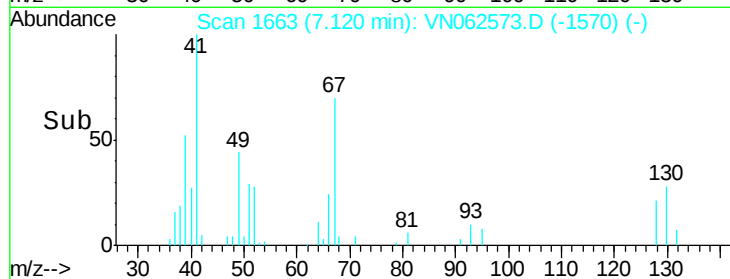
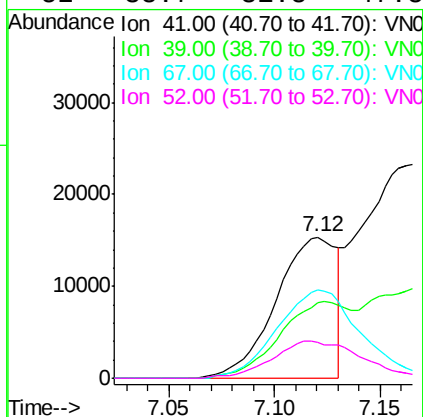
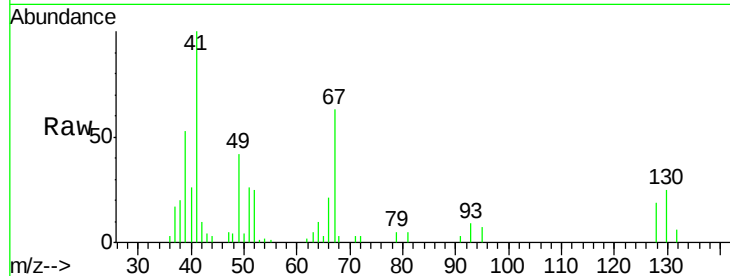
#41
Methacrylonitrile
Concen: 16.518 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	41	Resp	30721
Ion Ratio	Lower	Upper	
41	100		
39	61.5	55.8	83.6
67	87.2	72.5	108.7
52	38.7	31.8	47.8

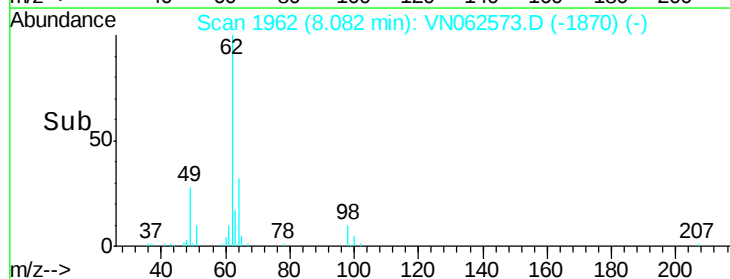
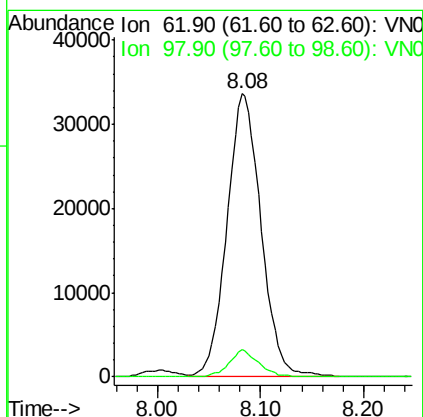
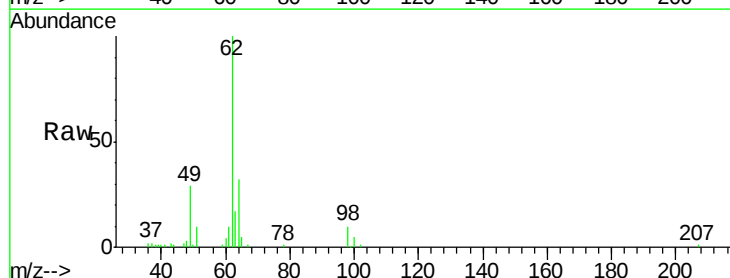
Manual Integrations
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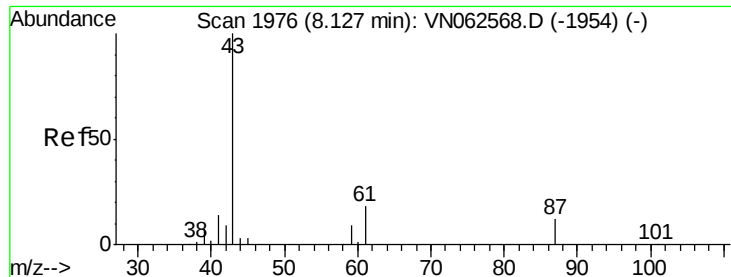
MMDadoda
7/22/2020 2:45:46 PM



#42
1,2-Dichloroethane
Concen: 17.402 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	62	Resp	77539
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.2





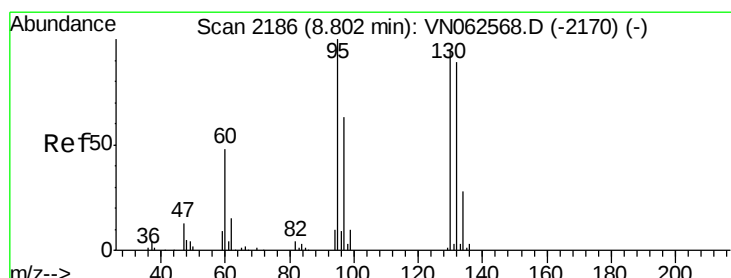
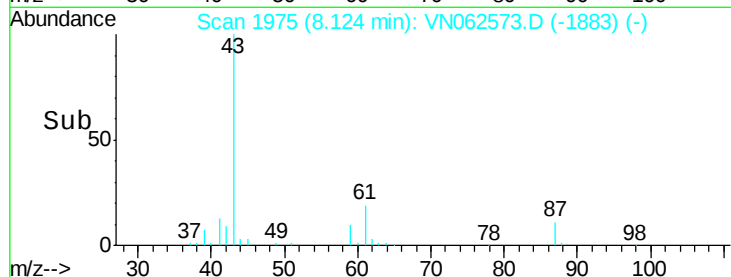
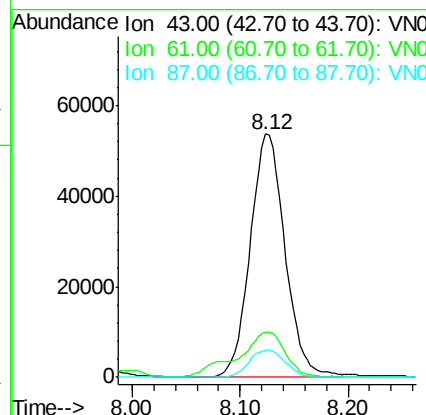
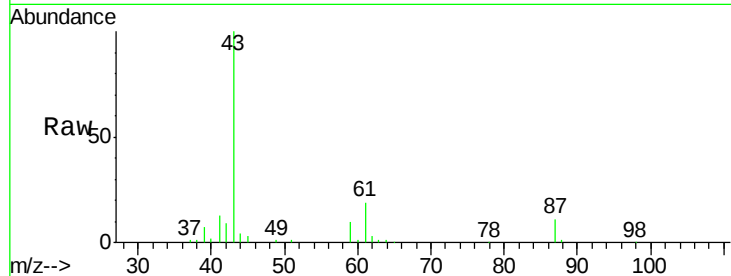
#43
Isopropyl Acetate
Concen: 17.224 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.8	31.2
87	11.6	9.2	13.8

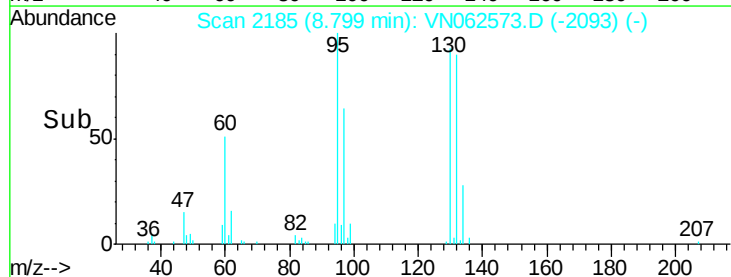
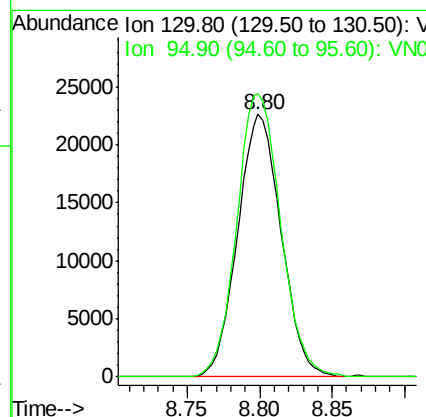
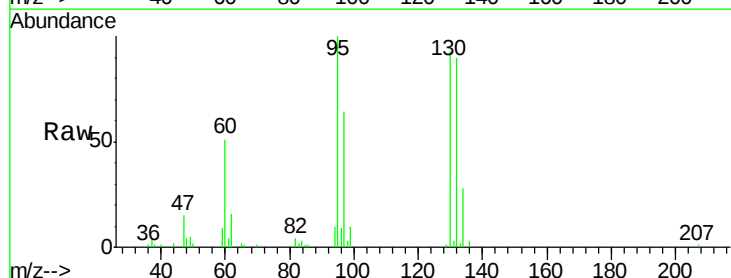
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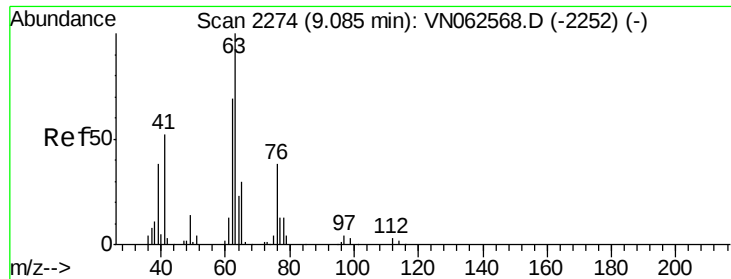
MMDadoda
7/22/2020 2:45:46 PM



#44
Trichloroethene
Concen: 17.106 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	210.4





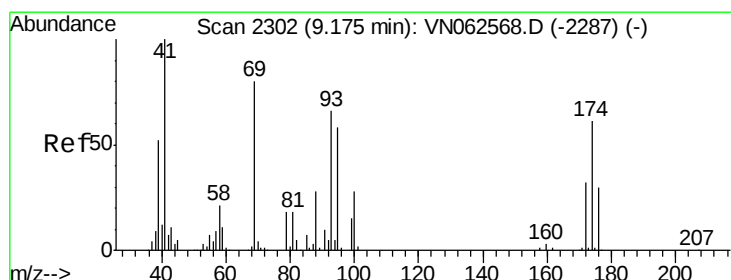
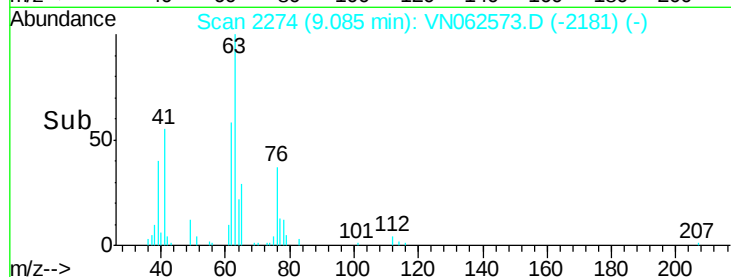
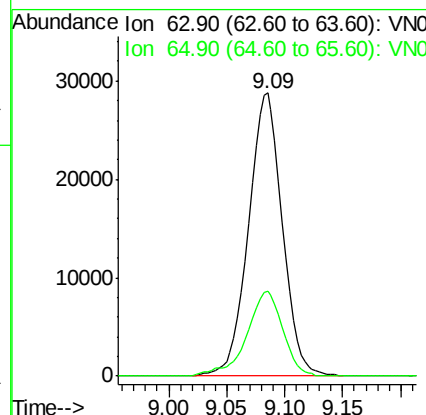
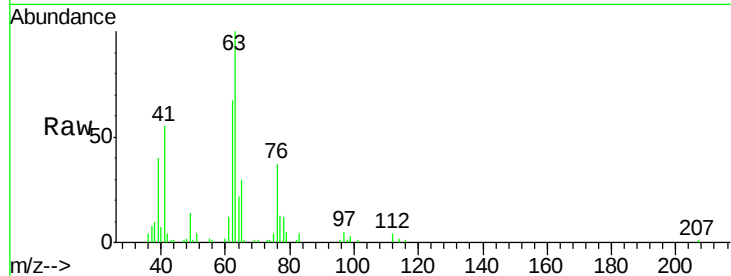
#45
 1,2-Dichloropropane
 Concen: 17.124 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion: 63 Resp: 58595
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

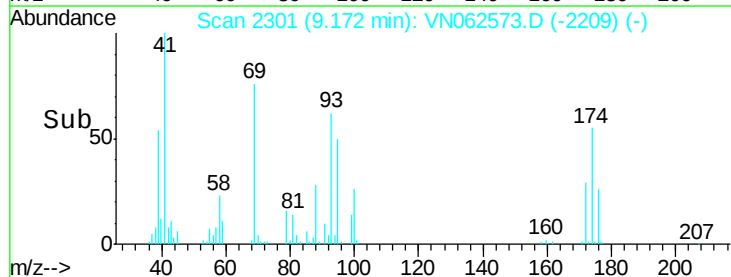
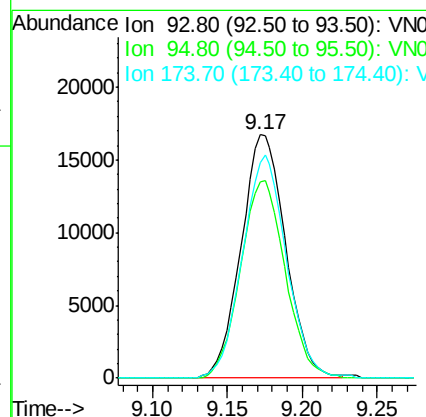
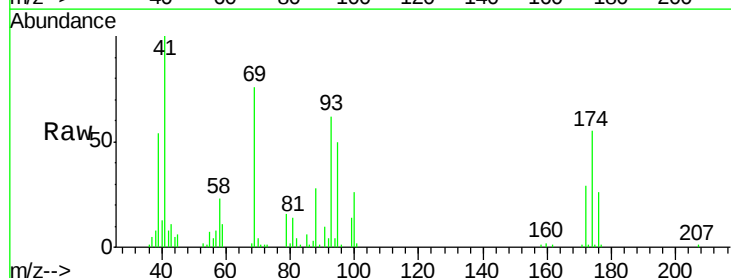
Manual Integrations
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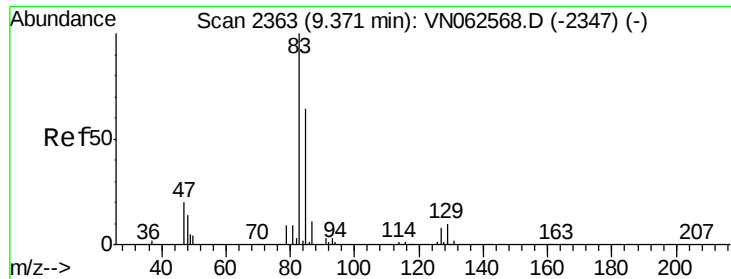
MMDadoda
 7/22/2020 2:45:46 PM



#46
 Dibromomethane
 Concen: 17.529 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 93 Resp: 34668
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.6 101.4
 174 90.5 72.5 108.7





#47

Bromodichloromethane

Concen: 17.118 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

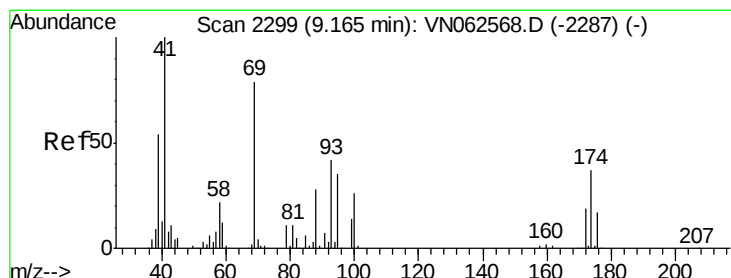
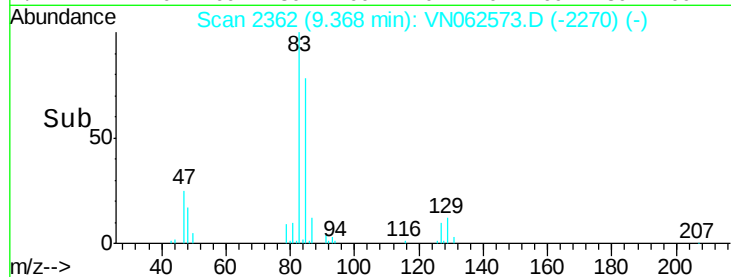
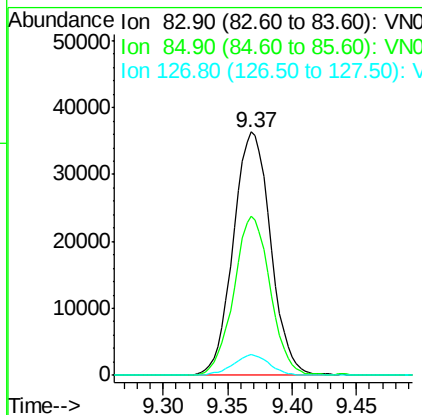
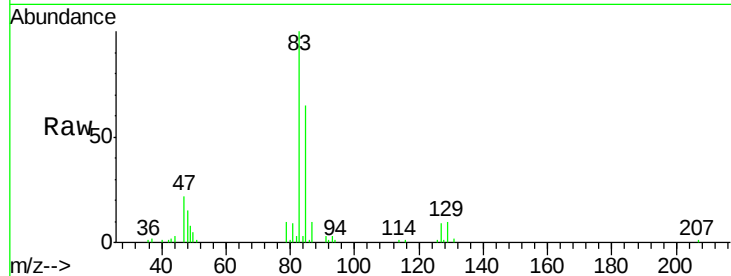
ClientSampleId :

VN0721WBS01

Tot Ion:	83	Resp:	73348
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4
127	8.6	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.327 ug/l

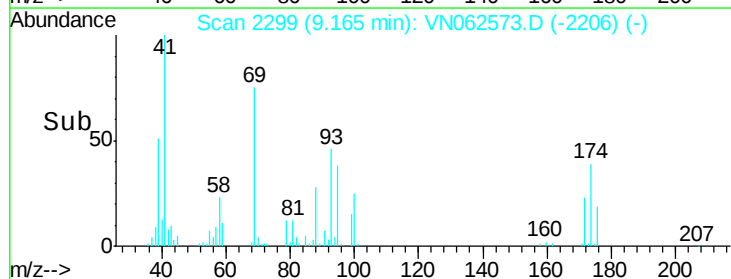
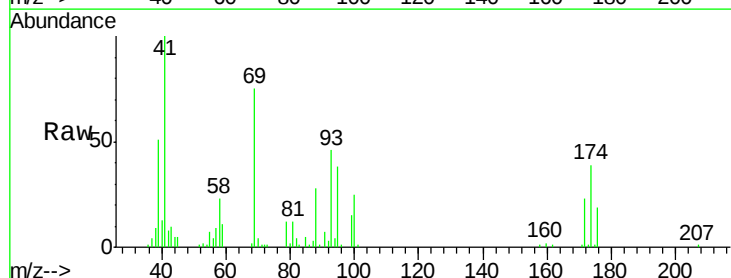
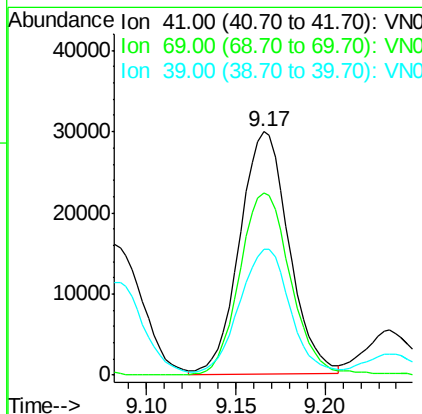
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion:	41	Resp:	57619
Ion	Ratio	Lower	Upper
41	100		
69	77.7	64.4	96.6
39	53.0	43.5	65.3





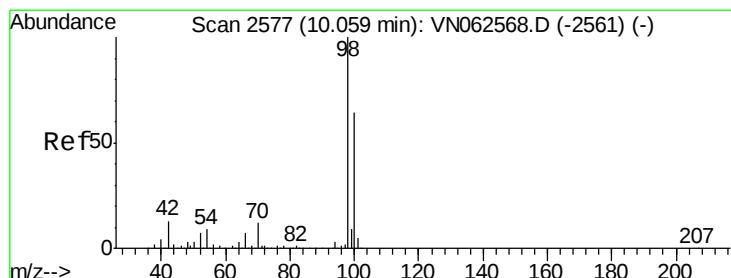
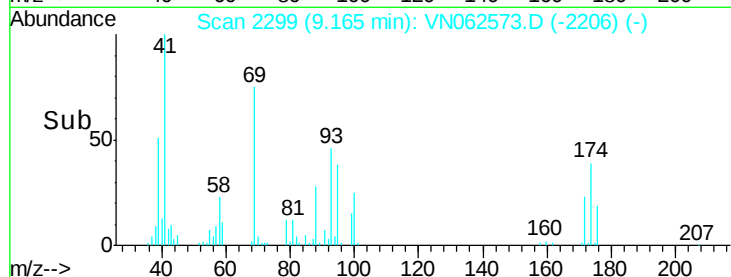
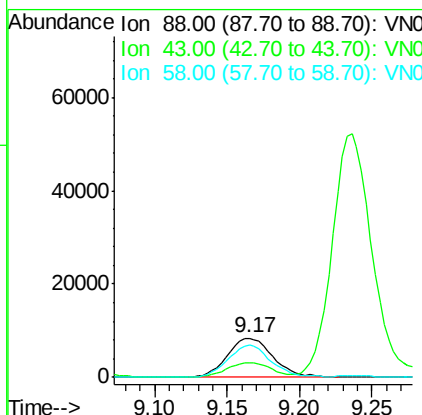
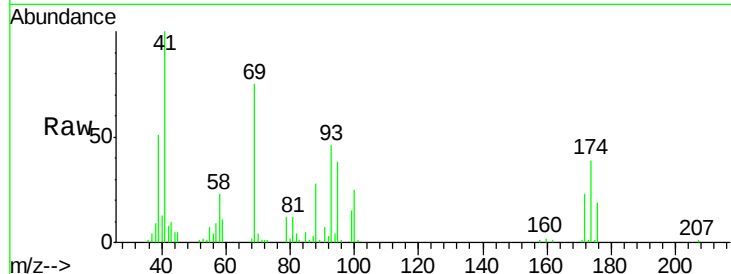
#49
1,4-Dioxane
Concen: 357.612 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	32.0	48.0
58	78.9	62.8	94.2

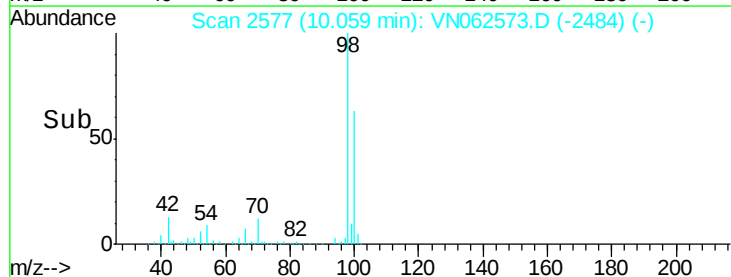
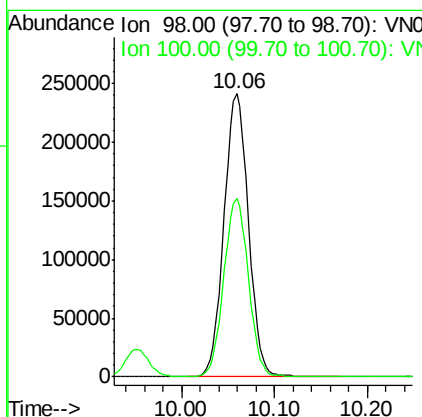
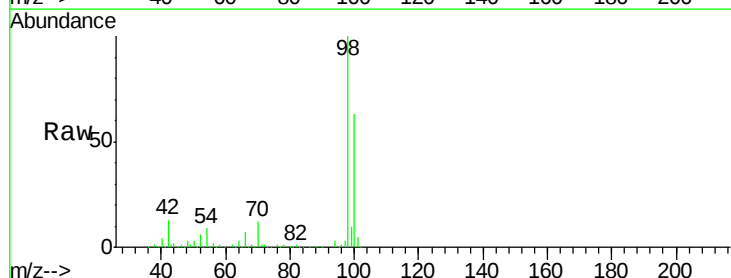
Manual Integrations
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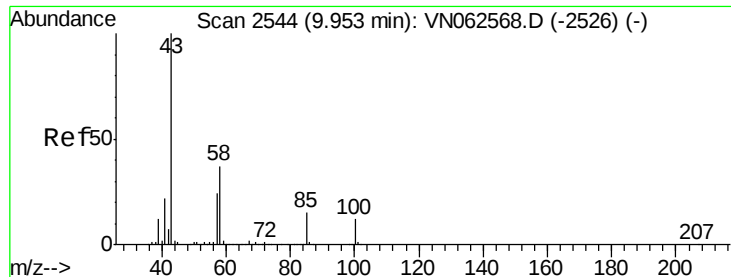
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#50
Toluene-d8
Concen: 44.689 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3





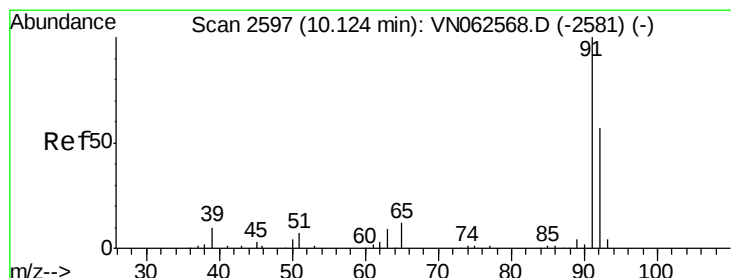
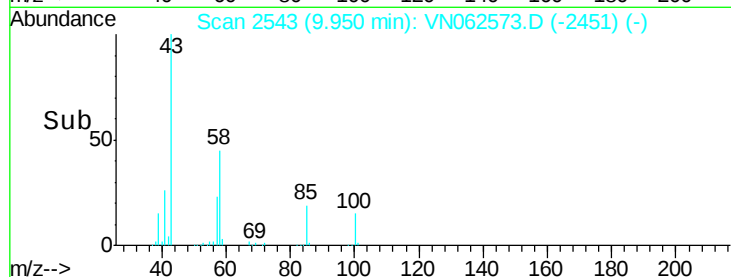
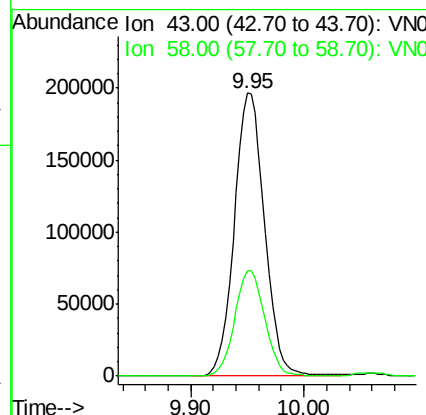
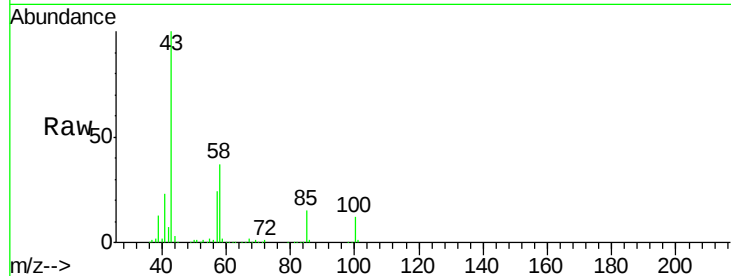
#51
4-Methyl-2-Pentanone
Concen: 87.326 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	43	Resp	365519
Ion Ratio	100	Lower	Upper
58	37.2	29.8	44.6

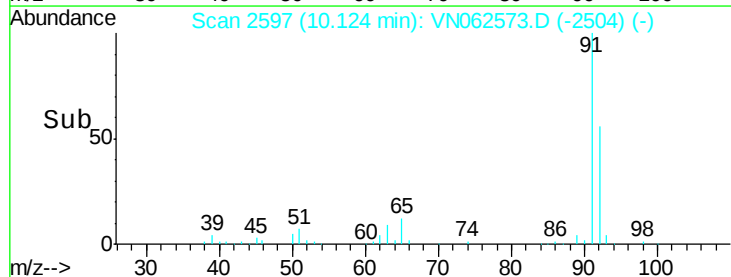
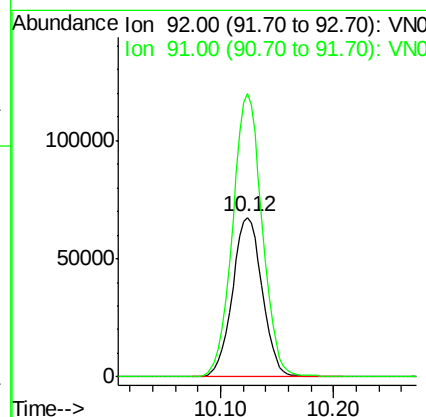
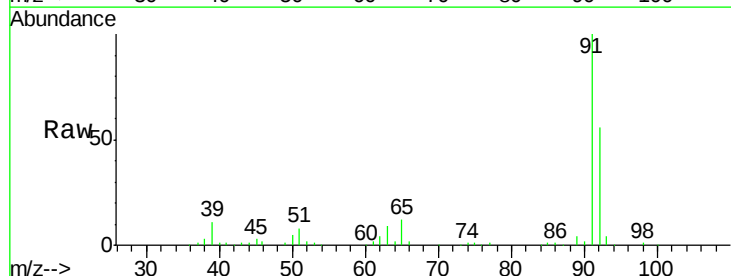
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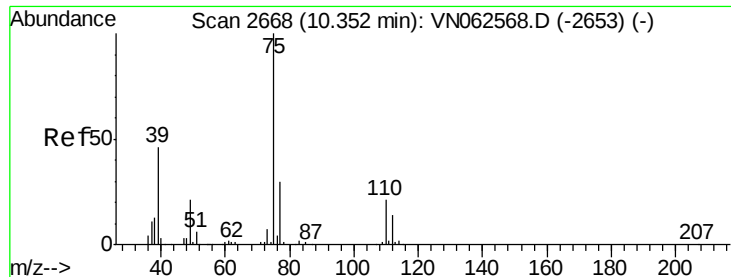
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#52
Toluene
Concen: 17.524 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	92	Resp	124019
Ion Ratio	100	Lower	Upper
91	175.3	139.4	209.2





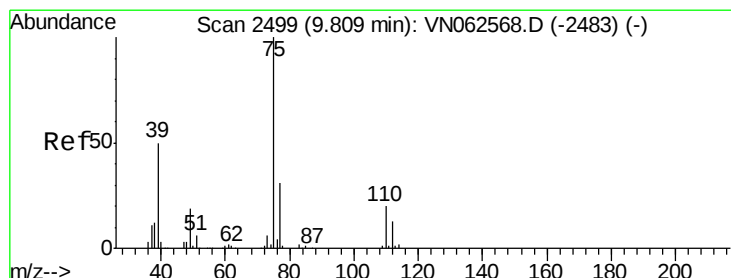
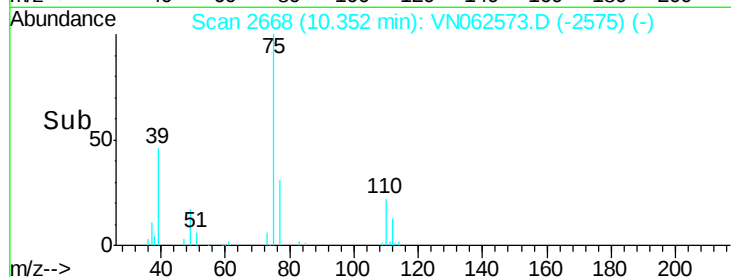
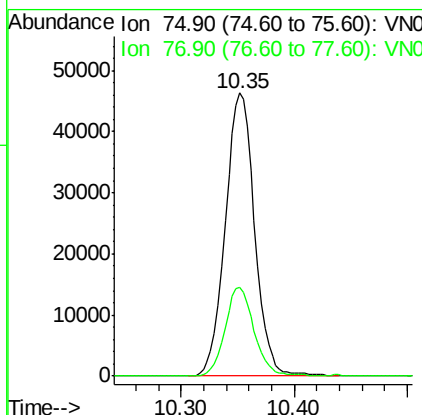
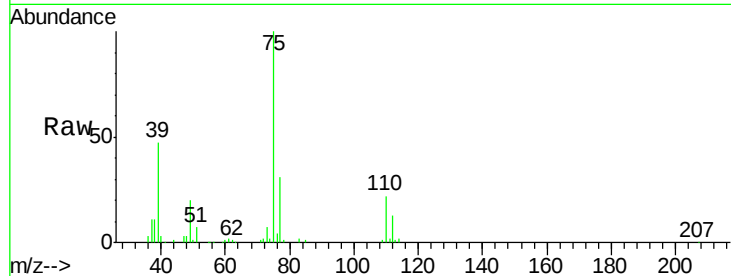
#53
t-1,3-Dichloropropene
Concen: 17.507 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.3	36.5

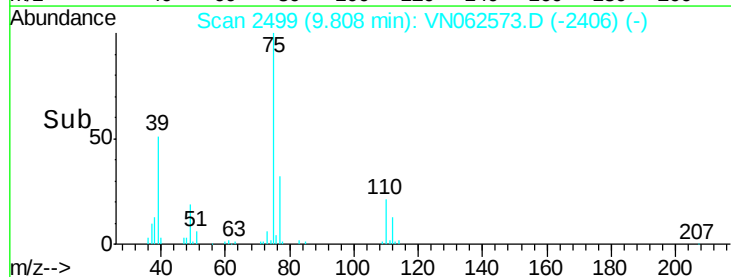
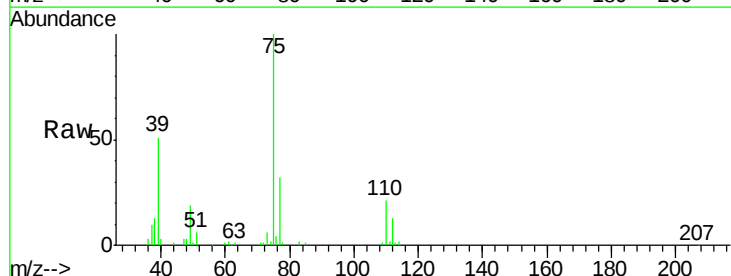
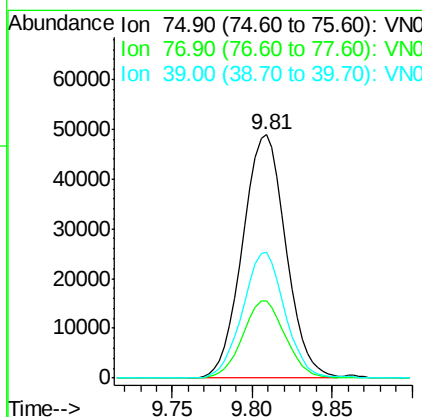
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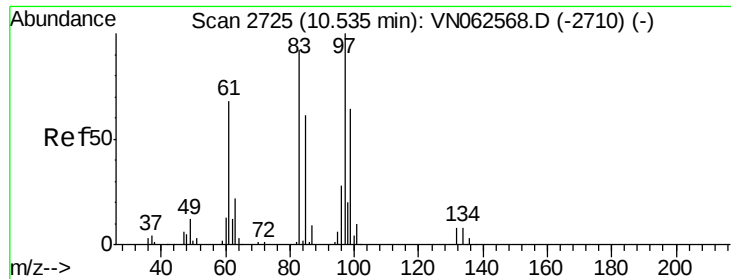
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#54
cis-1,3-Dichloropropene
Concen: 17.639 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6
39	51.5	39.8	59.8





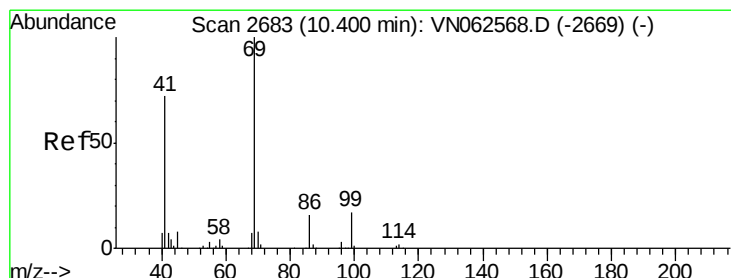
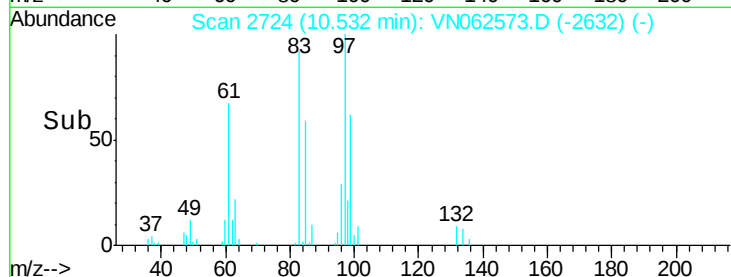
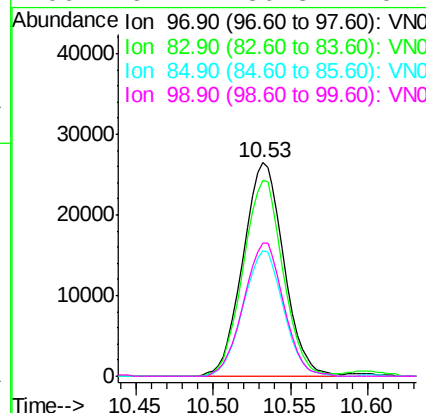
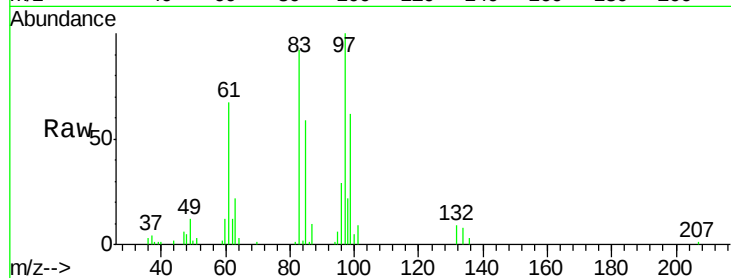
#55
 1,1,2-Trichloroethane
 Concen: 17.761 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.7	73.7	110.5
85	58.7	48.5	72.7
99	62.4	50.8	76.2

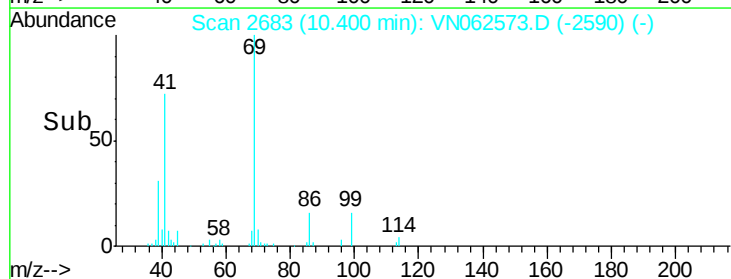
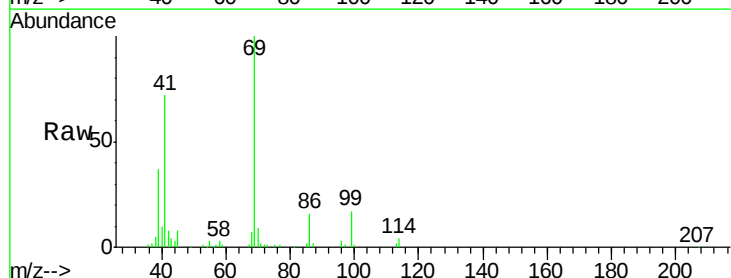
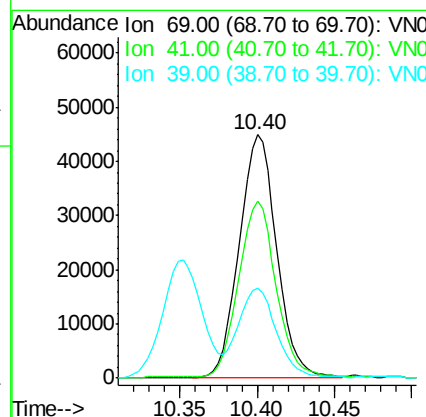
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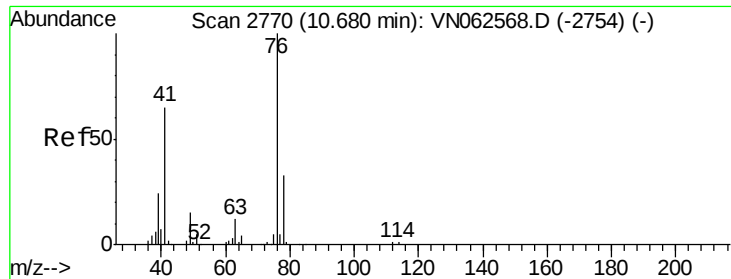
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#56
 Ethyl methacrylate
 Concen: 16.618 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.2	85.8
39	37.1	28.6	43.0





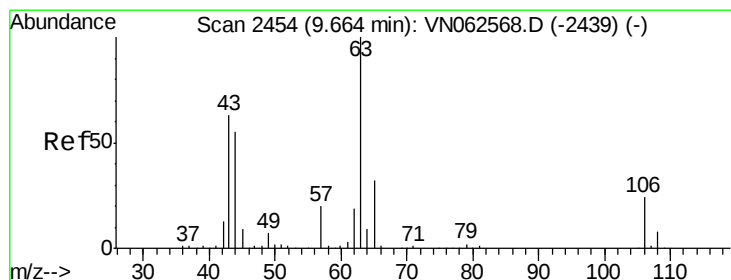
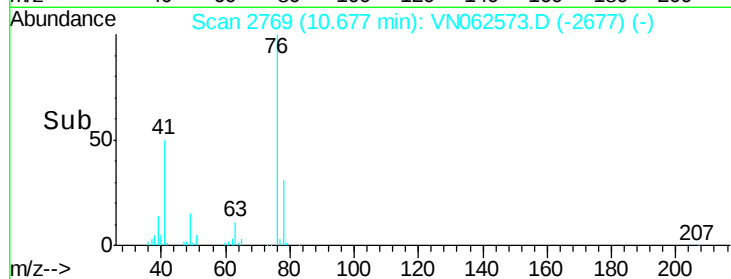
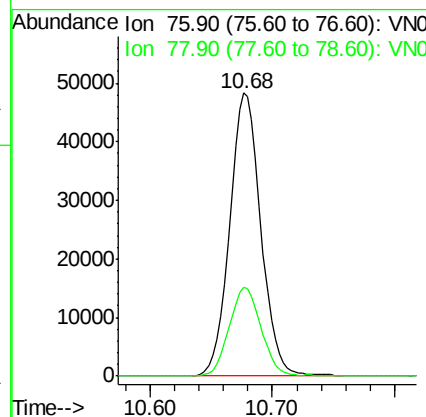
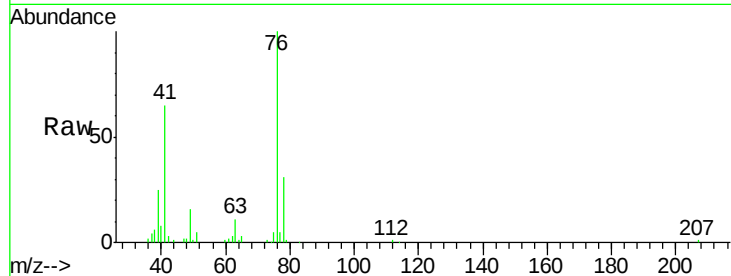
#57
 1,3-Dichloropropane
 Concen: 17.129 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion: 76 Resp: 86144
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

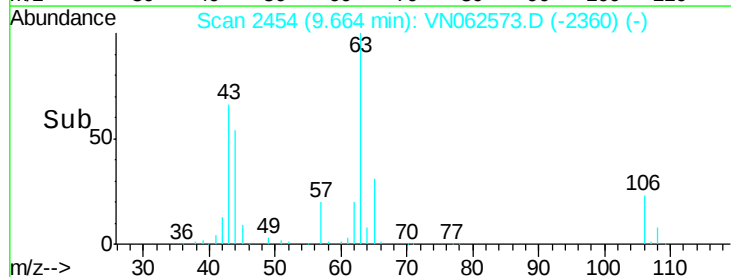
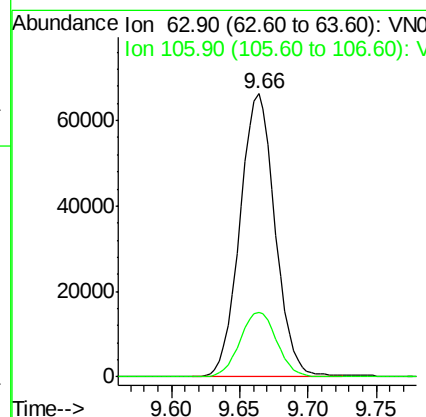
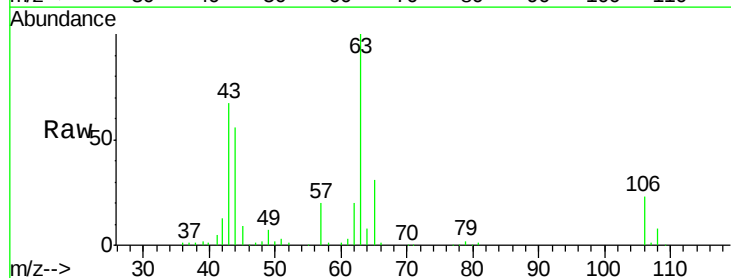
Manual Integrations
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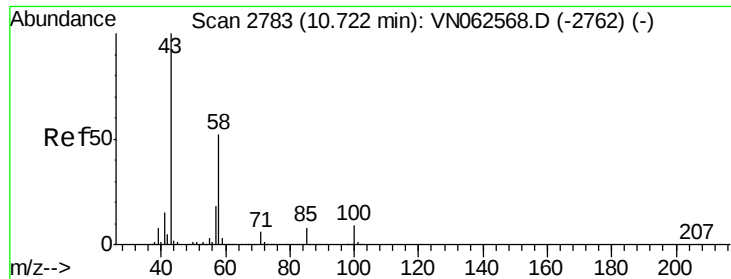
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 7/22/2020 2:45:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.215 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 63 Resp: 118628
 Ion Ratio Lower Upper
 63 100
 106 23.8 18.9 28.3





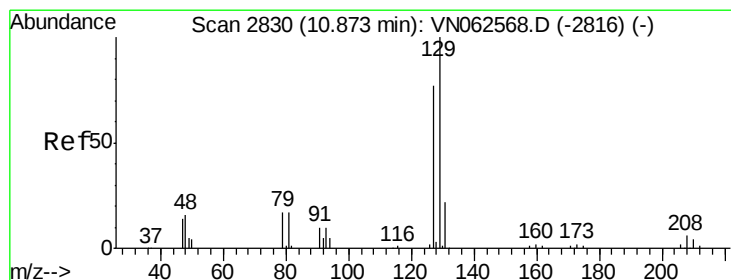
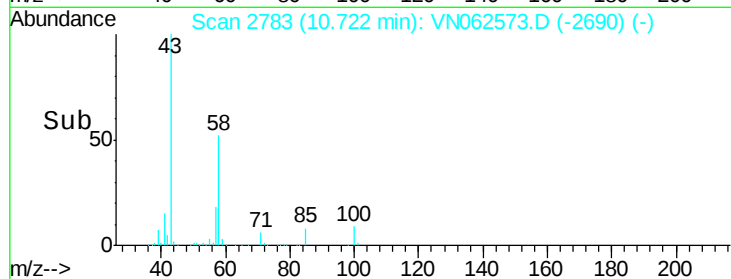
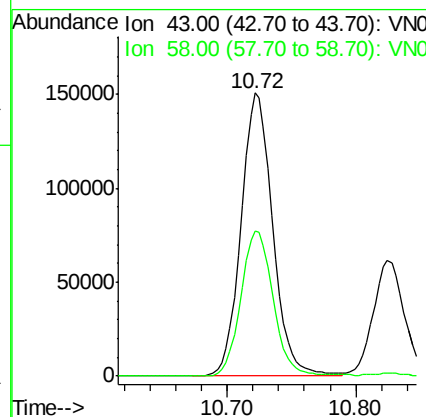
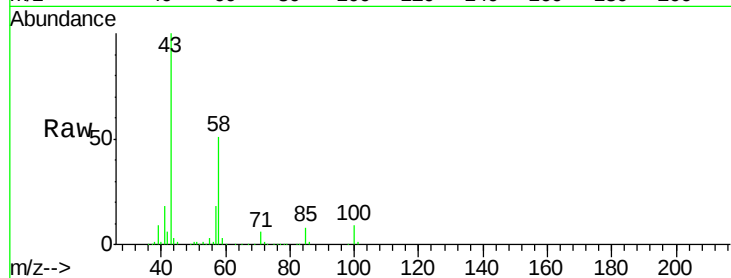
#59
2-Hexanone
Concen: 81.663 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion: 43 Resp: 257824
Ion Ratio Lower Upper
43 100
58 52.3 26.0 78.0

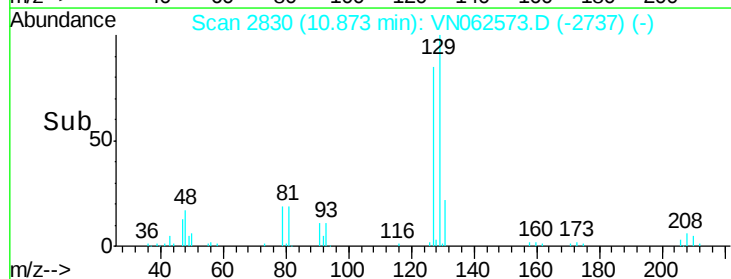
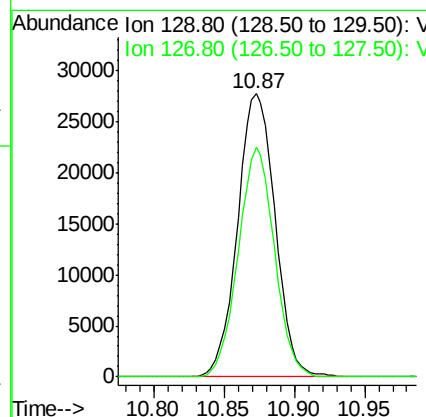
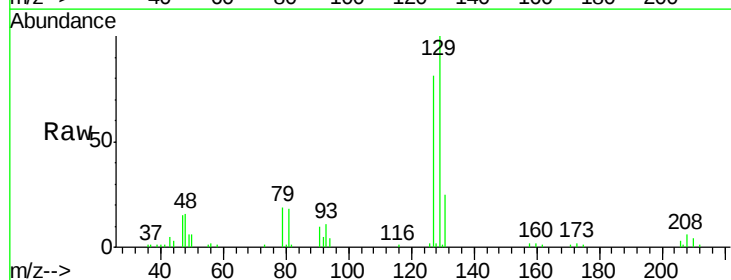
Manual Integrations
APPROVED

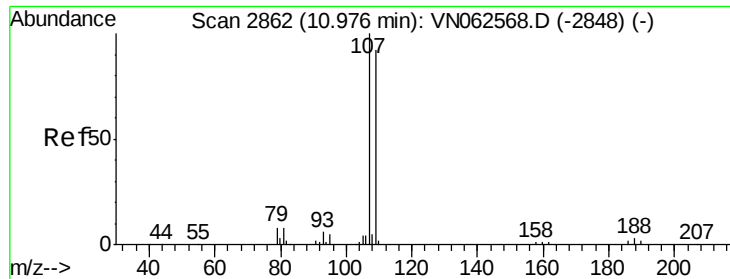
MMDadoda
7/22/2020 2:45:46 PM



#60
Dibromochloromethane
Concen: 16.897 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion: 129 Resp: 51745
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9





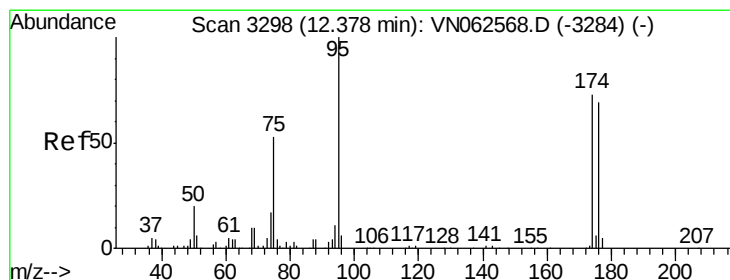
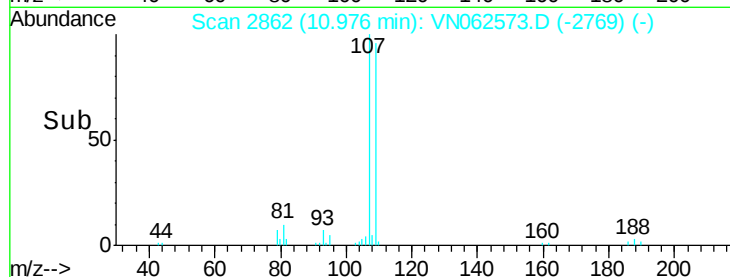
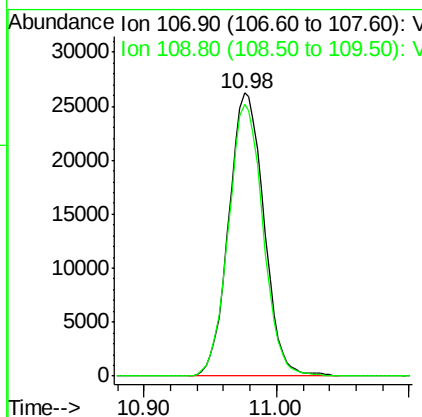
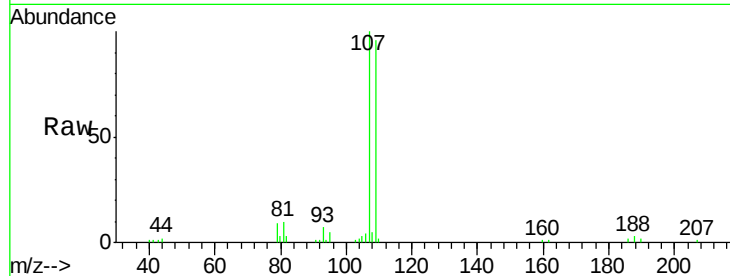
#61
 1,2-Dibromoethane
 Concen: 16.916 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion: 107 Resp: 48352
 Ion Ratio Lower Upper
 107 100
 109 94.4 73.8 110.6

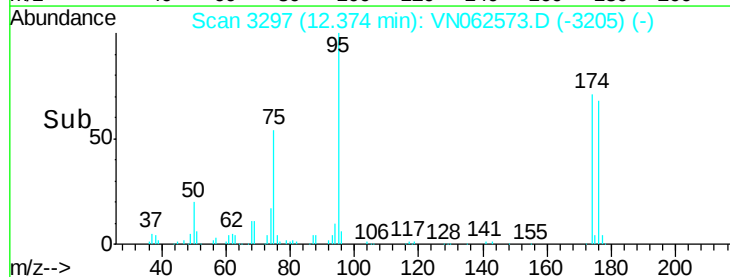
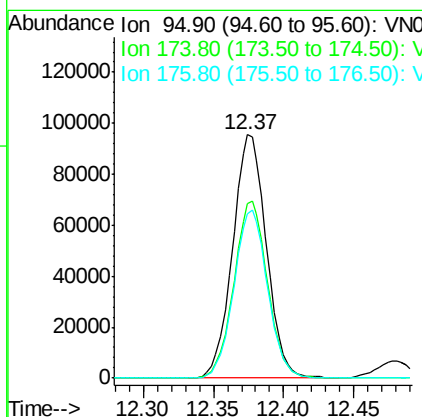
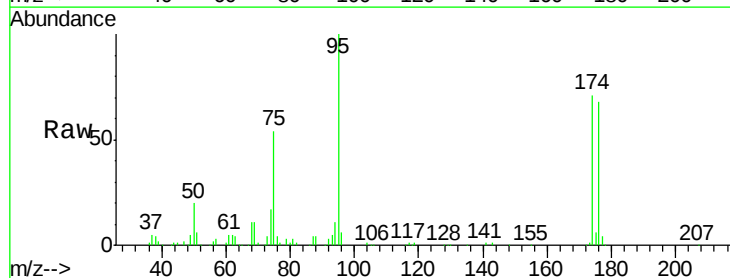
Manual Integrations
 APPROVED

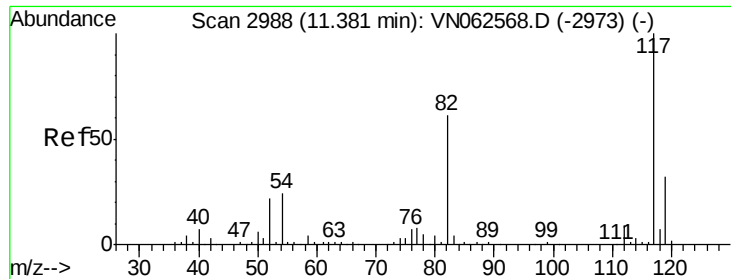
MMDadoda
 7/22/2020 2:45:46 PM



#62
 4-Bromofluorobenzene
 Concen: 44.088 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 95 Resp: 159565
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 144.6
 176 69.0 0.0 139.4





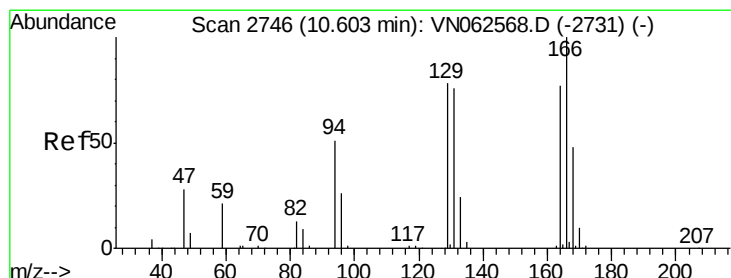
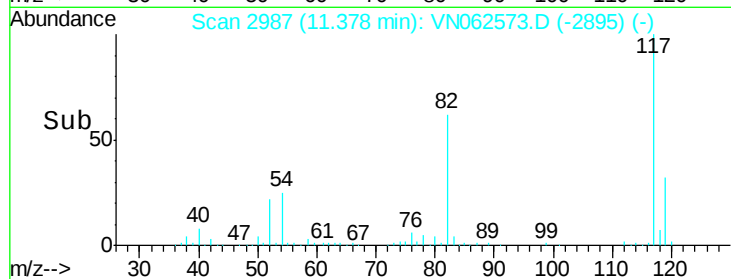
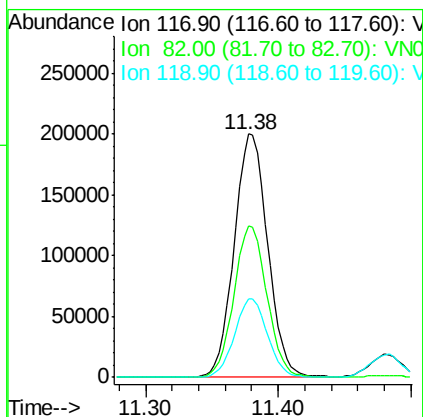
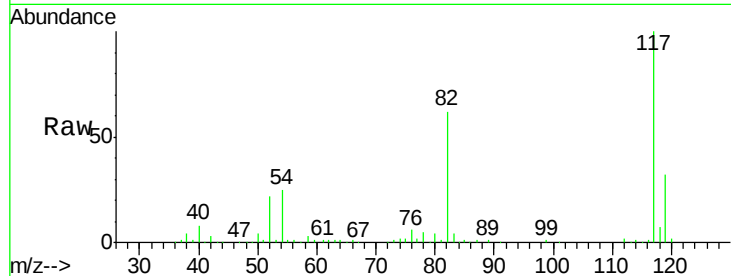
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.0	73.6
119	32.2	25.4	38.2

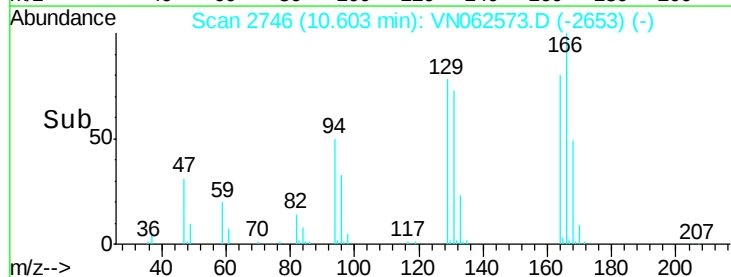
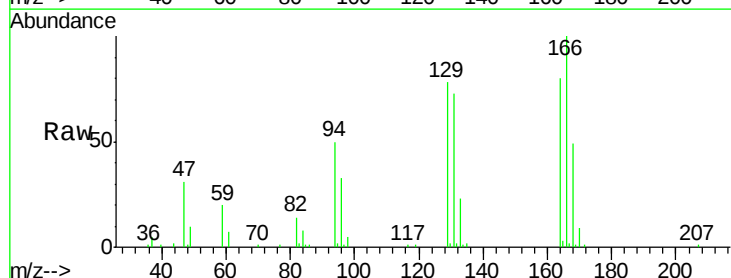
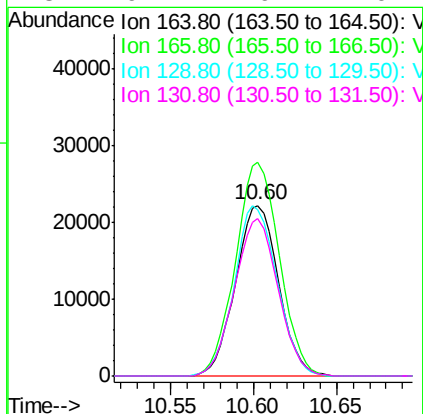
Manual Integrations
APPROVED

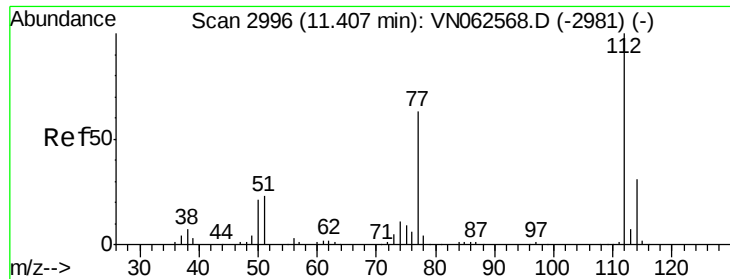
MMDadoda
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#64
Tetrachloroethene
Concen: 17.502 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.4	156.6
129	97.8	81.0	121.4
131	92.1	79.4	119.2





#65

Chlorobenzene

Concen: 17.163 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion:112 Resp: 126281

Ion Ratio Lower Upper

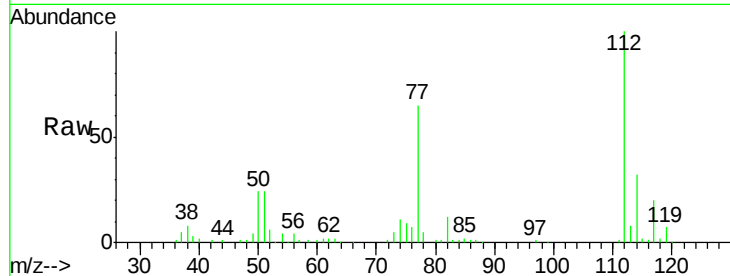
112 100

114 32.1 25.1 37.7

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

80000

60000

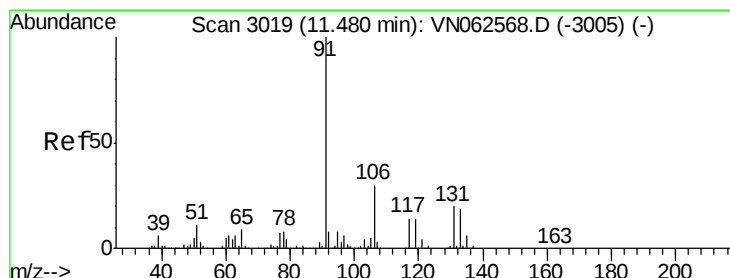
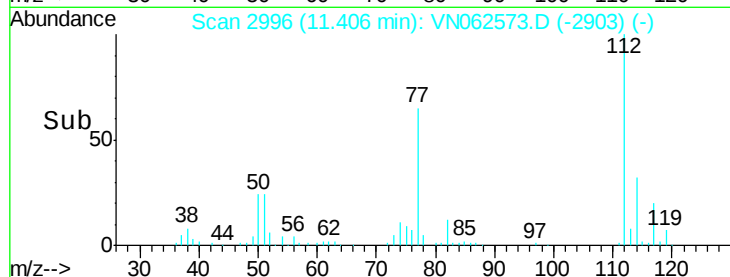
40000

20000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.762 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

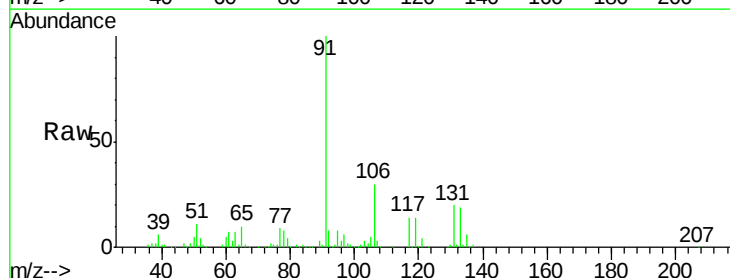
Tgt Ion:131 Resp: 46395

Ion Ratio Lower Upper

131 100

133 96.6 47.3 142.0

119 69.8 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

40000

30000

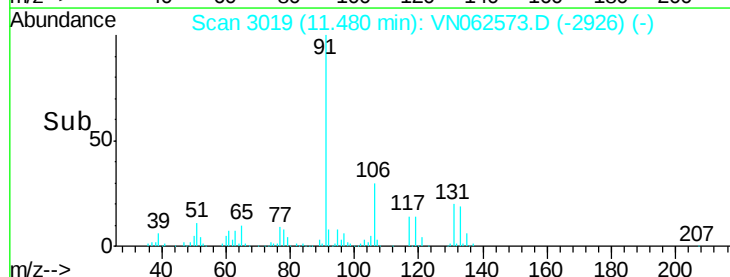
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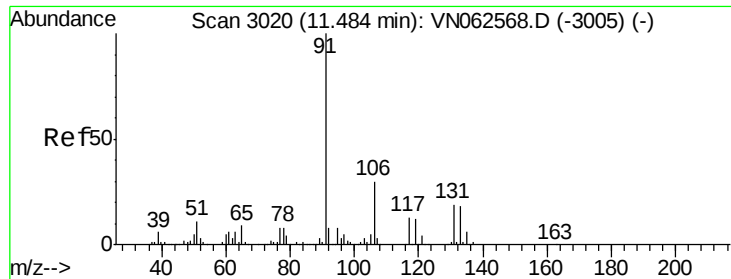
10000

0

11.40 11.45 11.50 11.55

Time-->





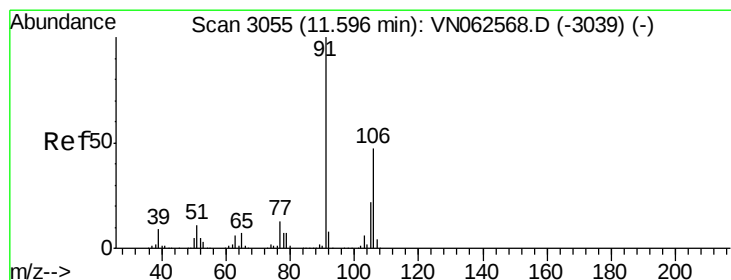
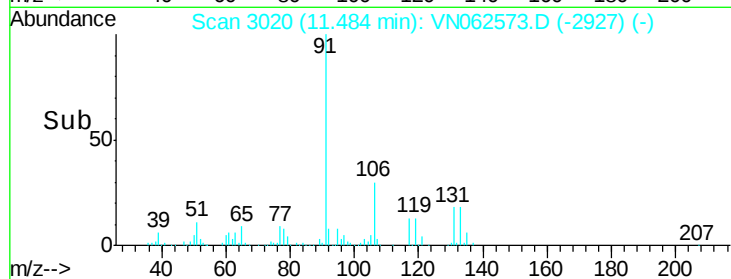
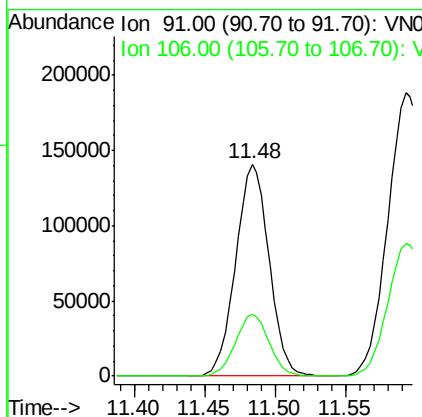
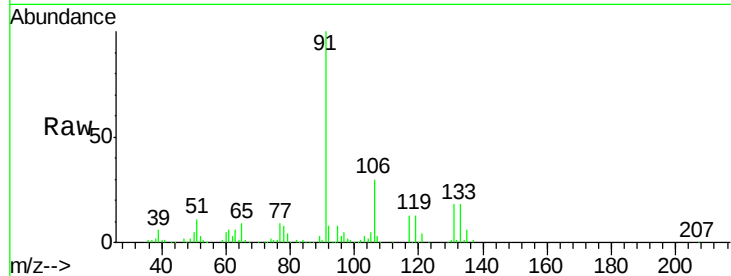
#67
Ethyl Benzene
Concen: 17.354 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.8	35.8

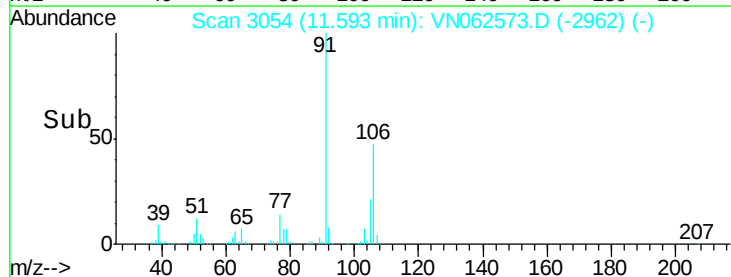
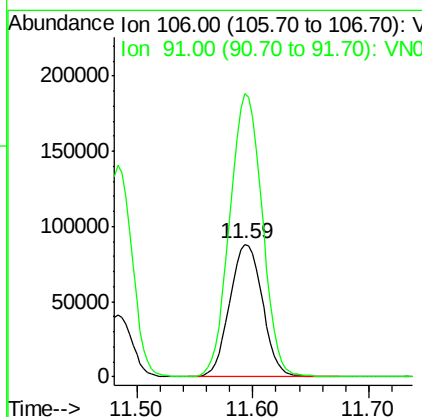
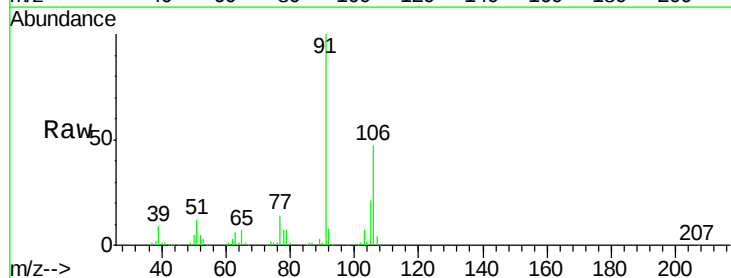
Manual Integrations
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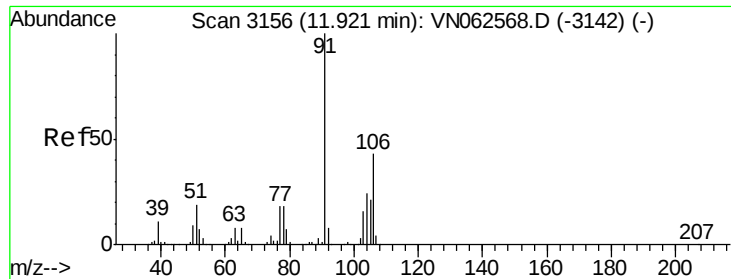
MMDadoda
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#68
m/p-Xylenes
Concen: 35.584 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	171.4	257.2





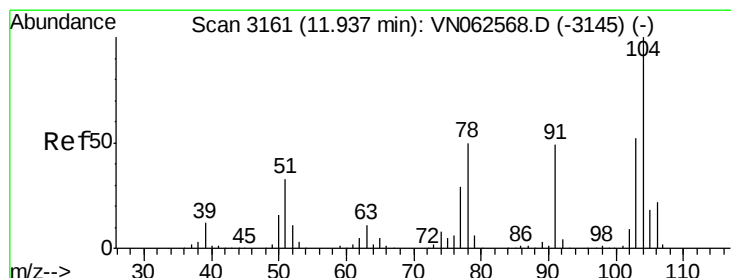
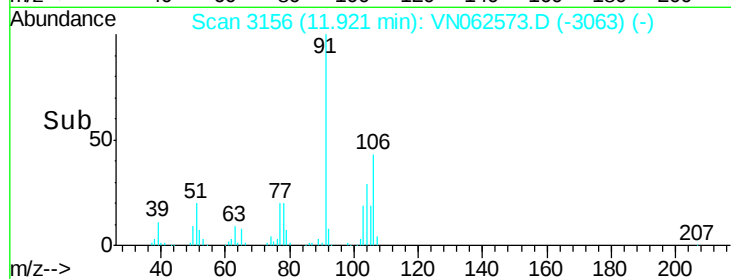
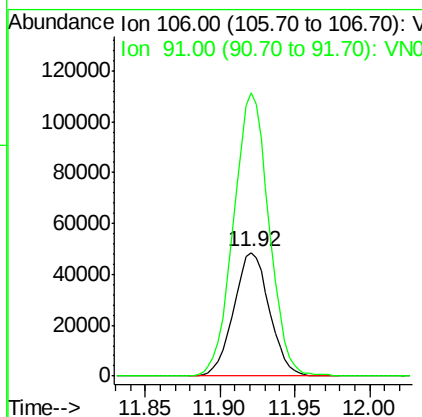
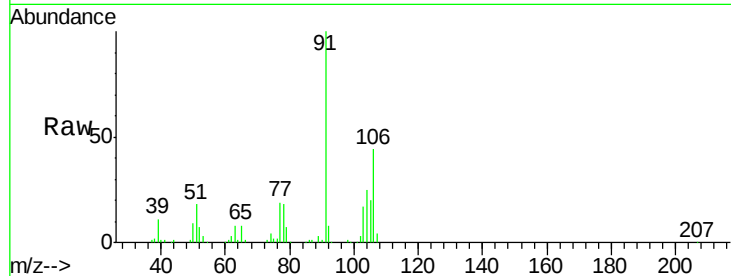
#69
o-Xylene
Concen: 17.566 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion:106 Resp: 80879
Ion Ratio Lower Upper
106 100
91 226.6 113.8 341.2

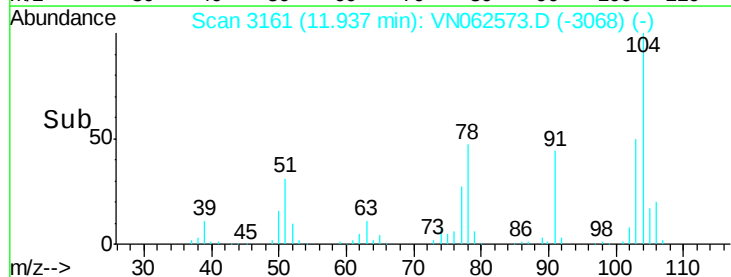
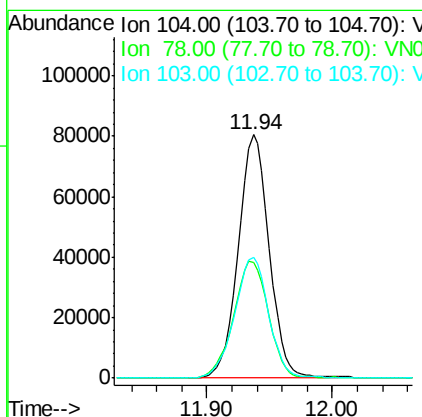
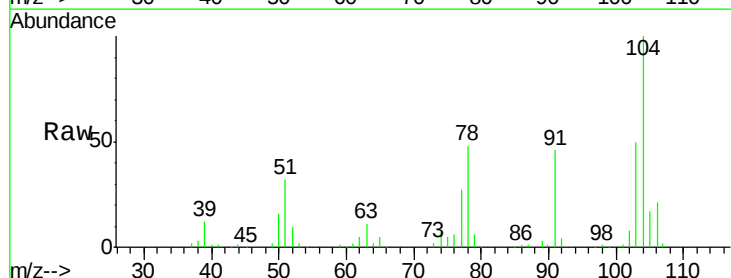
Manual Integrations
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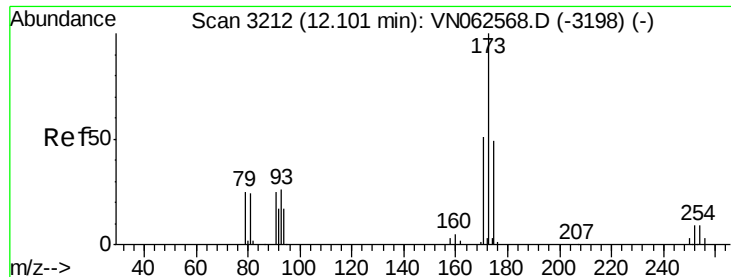
MMDadoda
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#70
Styrene
Concen: 17.686 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion:104 Resp: 137563
Ion Ratio Lower Upper
104 100
78 54.4 43.8 65.6
103 54.8 44.0 66.0





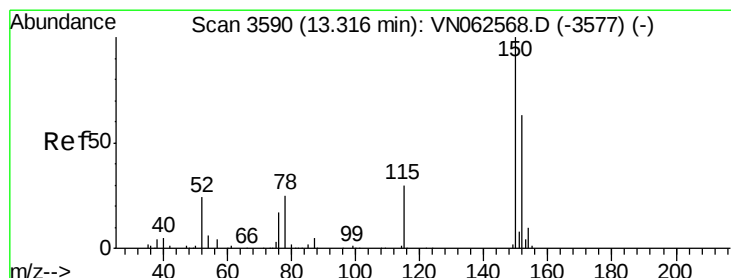
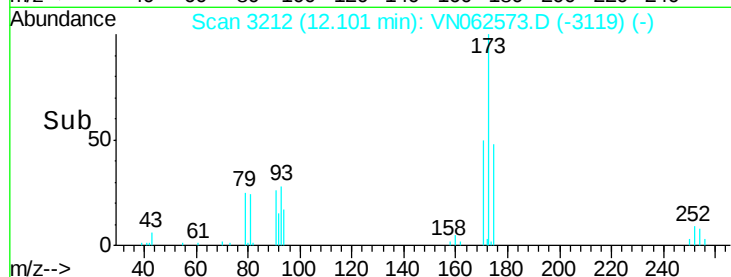
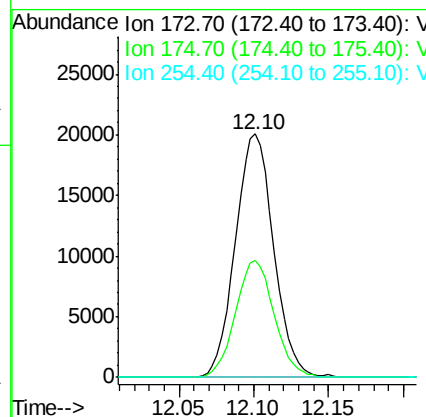
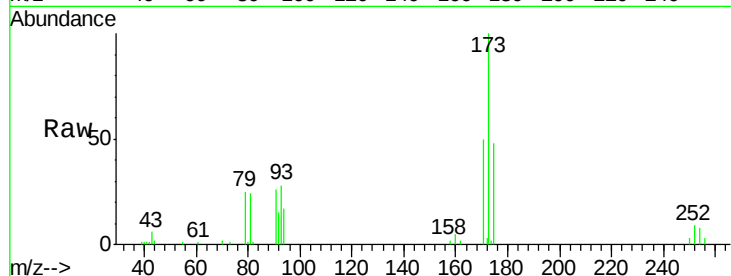
#71
Bromoform
Concen: 17.224 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.0	0.0	0.0

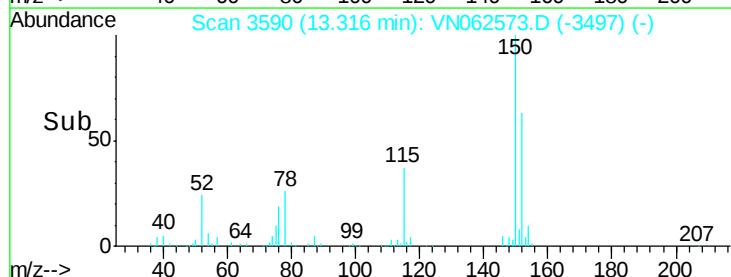
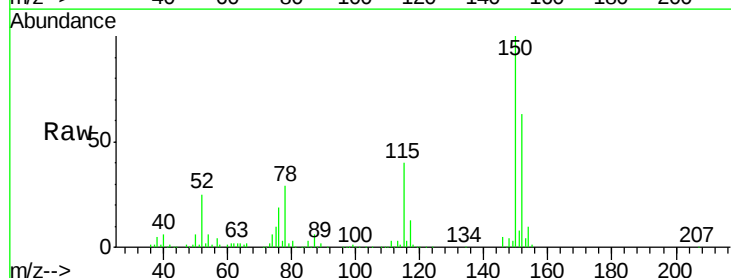
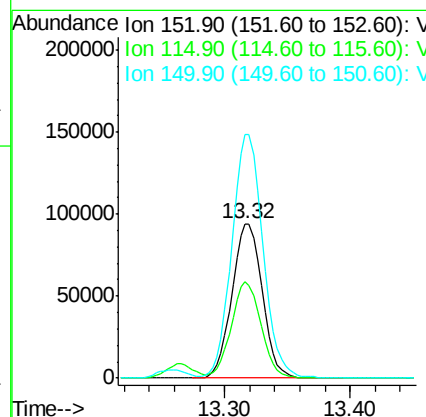
Manual Integrations
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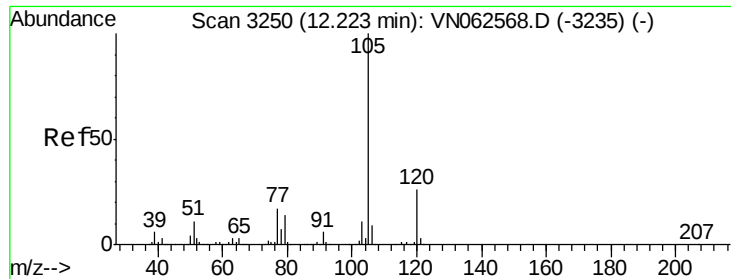
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.8	95.4
150	160.9	0.0	351.4





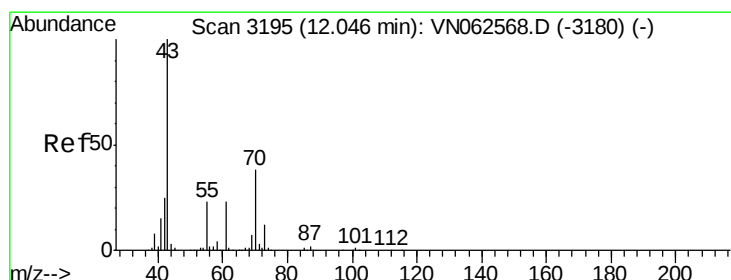
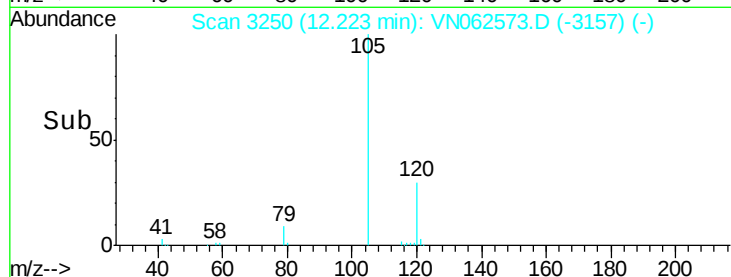
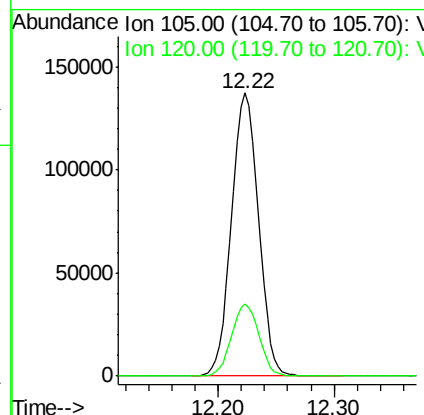
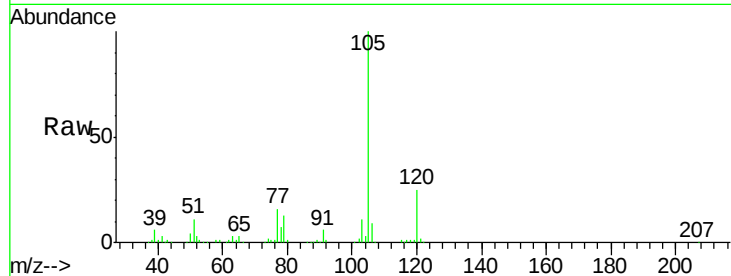
#73
Isopropylbenzene
Concen: 17.598 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

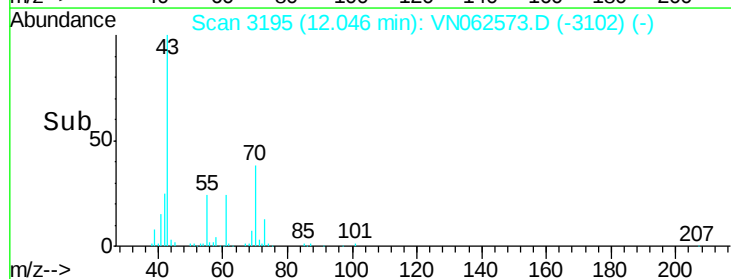
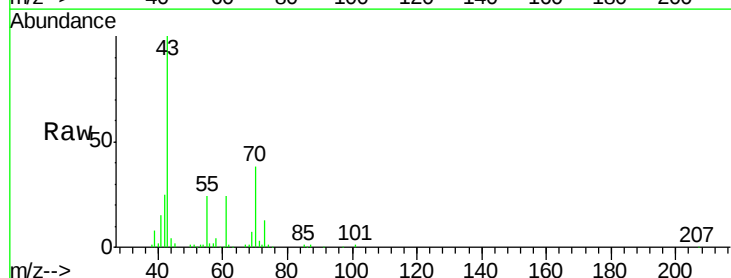
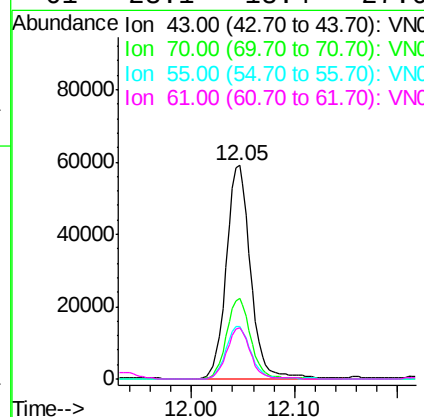
Manual Integrations
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#74
N-ethyl acetate
Concen: 17.447 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.5	45.7
55	24.9	19.0	28.6
61	23.1	18.4	27.6





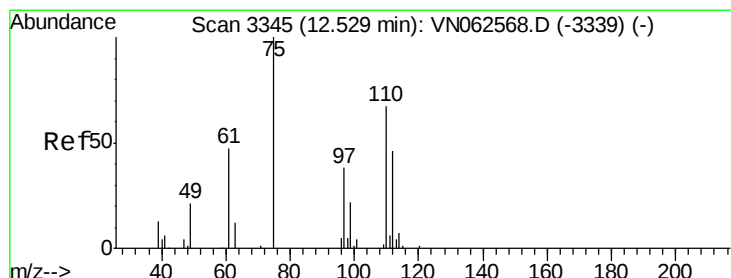
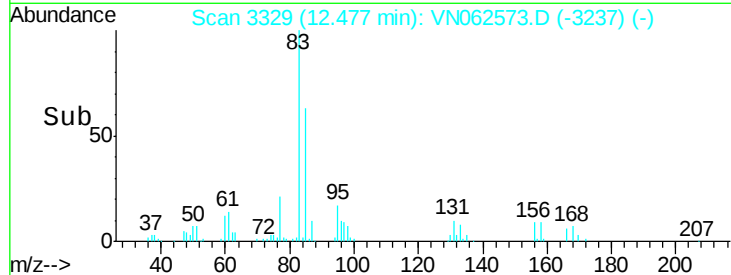
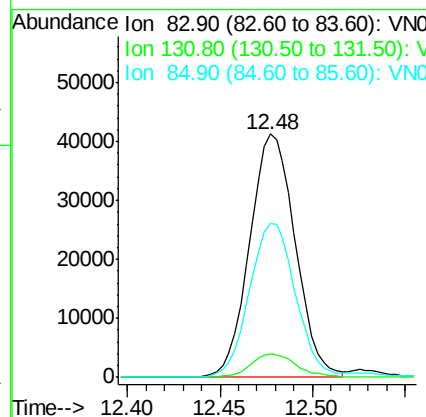
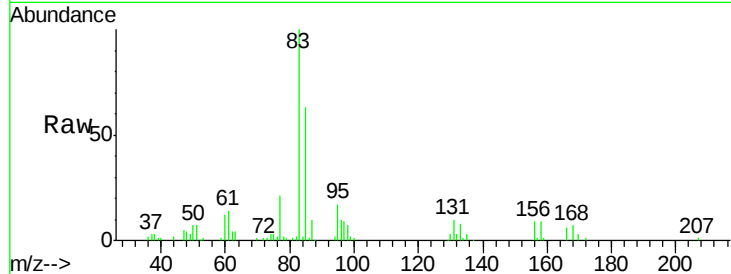
#75
 1,1,2,2-Tetrachloroethane
 Concen: 16.279 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.1	31.8	95.4

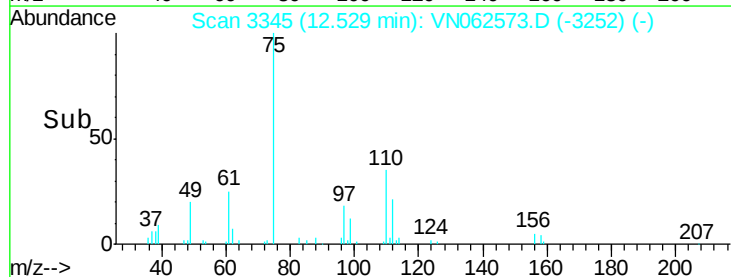
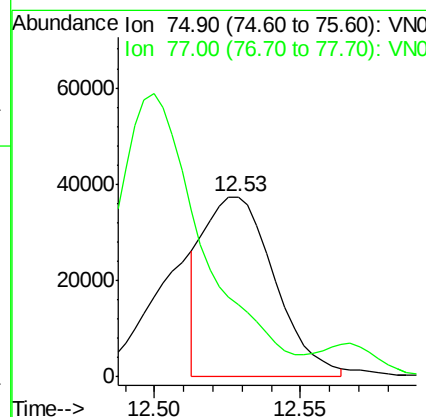
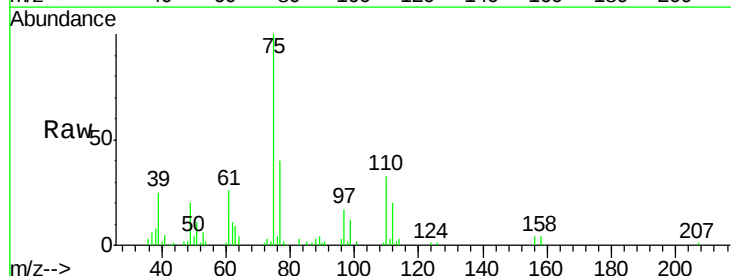
Manual Integrations
 APPROVED

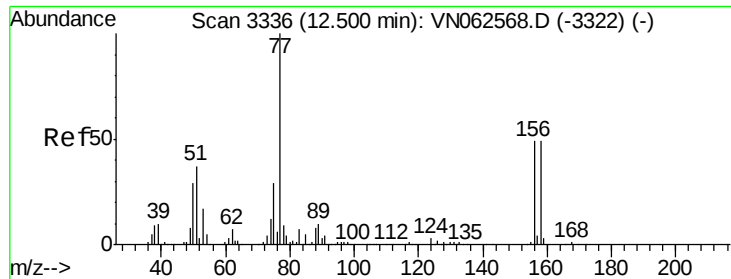
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 7/22/2020 2:45:46 PM



#76
 1,2,3-Trichloropropane
 Concen: 15.633 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.980 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

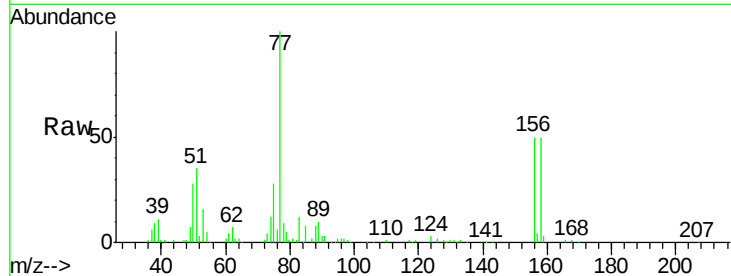
ClientSampleId :

VN0721WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	239.3	122.8	368.3
158	97.1	49.4	148.0

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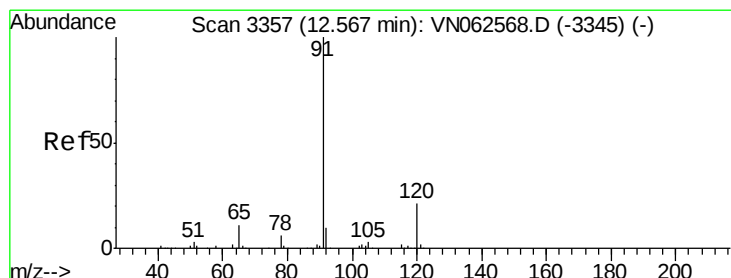
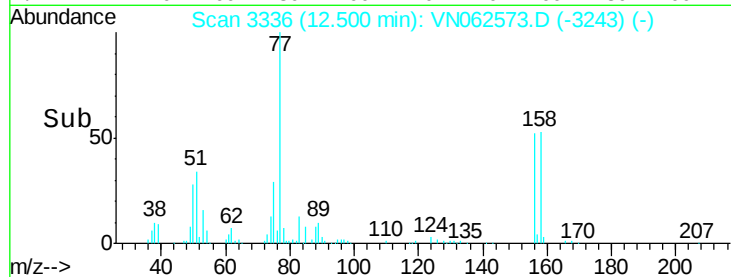
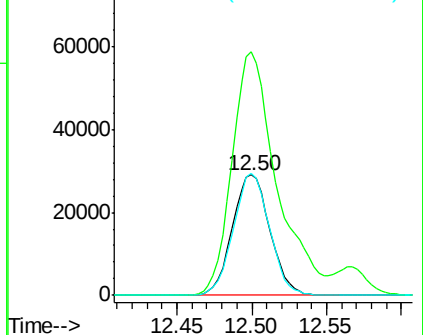
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.495 ug/l

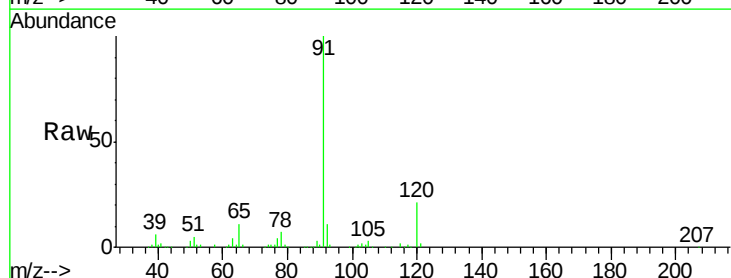
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062573.D

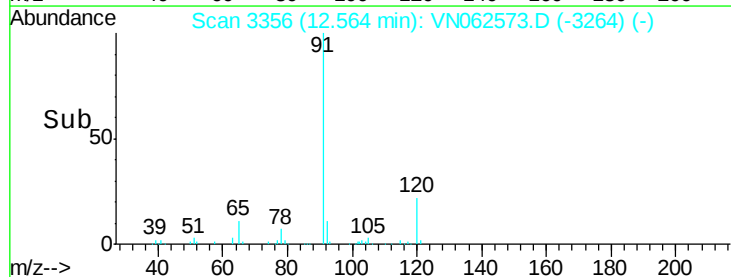
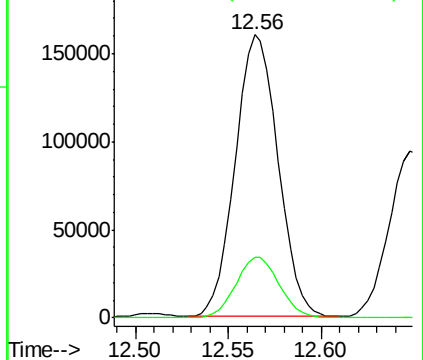
Acq: 21 Jul 2020 15:58

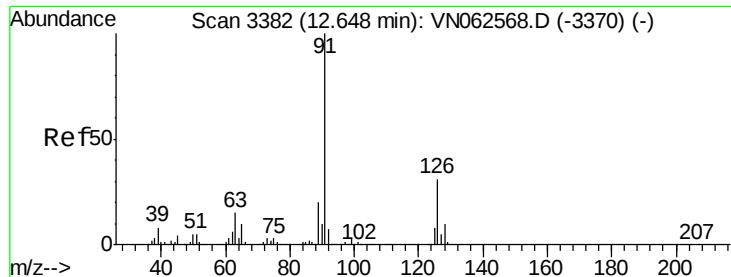
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





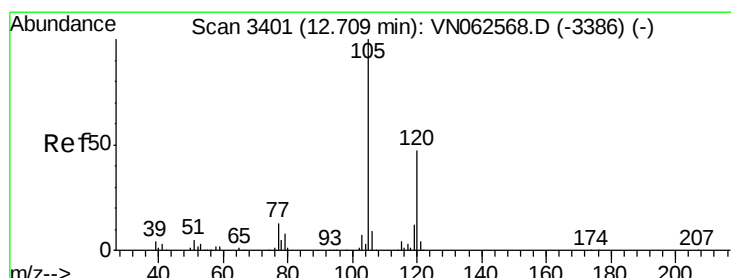
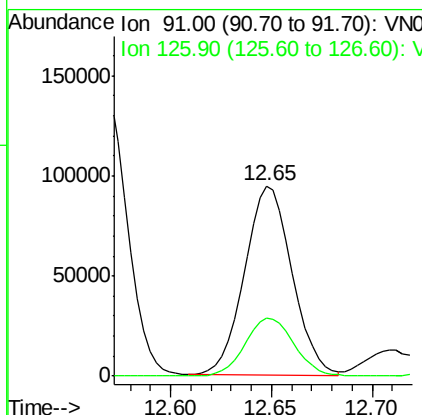
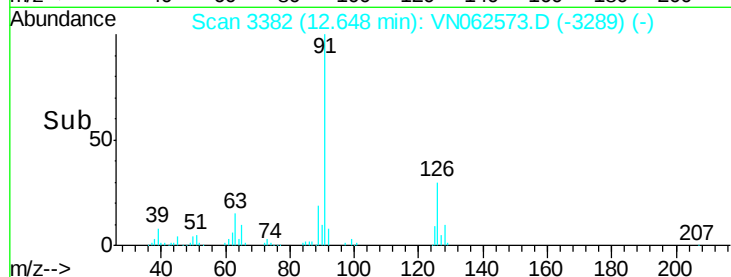
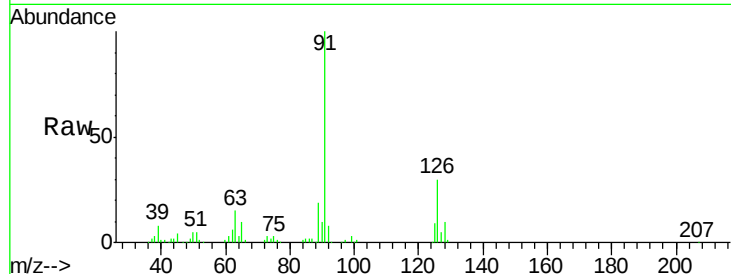
#79
 2-Chlorotoluene
 Concen: 17.212 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion: 91 Resp: 155492
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.6

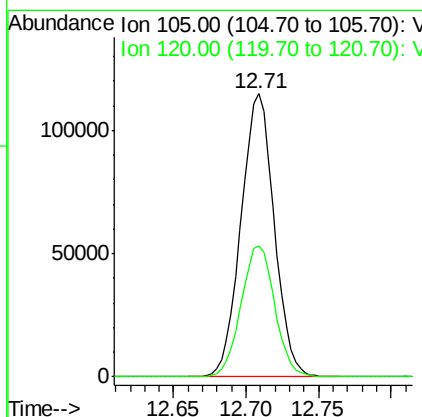
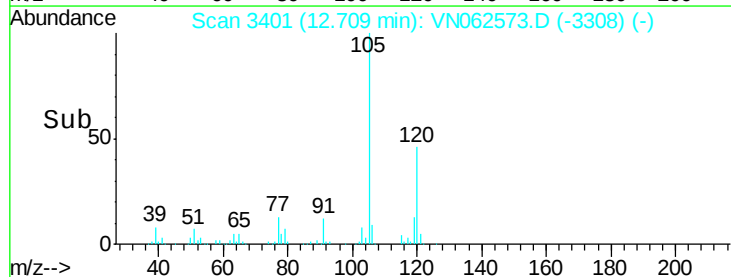
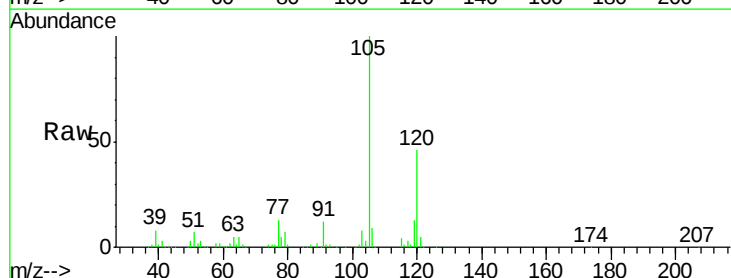
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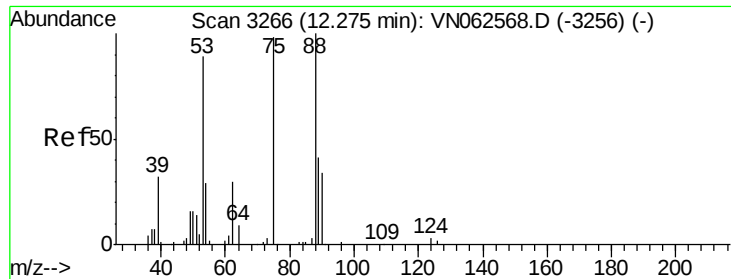
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.655 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion: 105 Resp: 183270
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.731 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

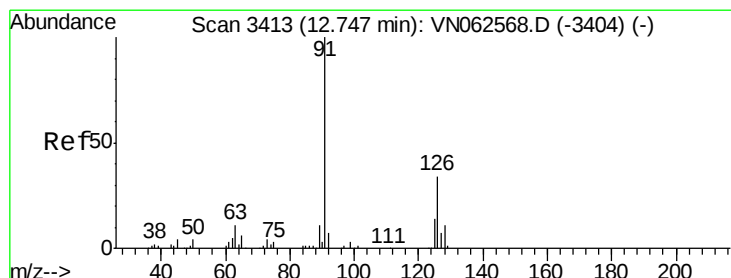
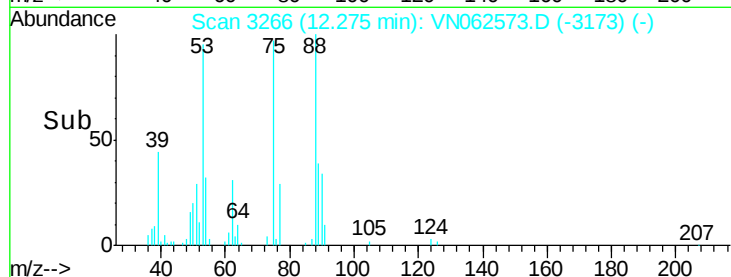
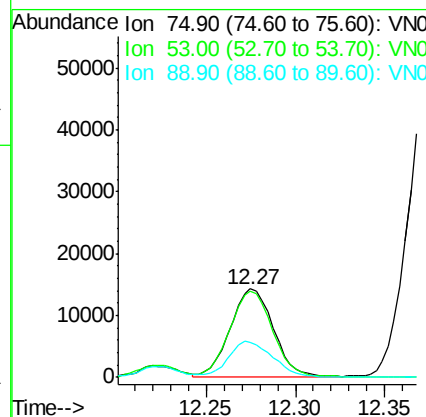
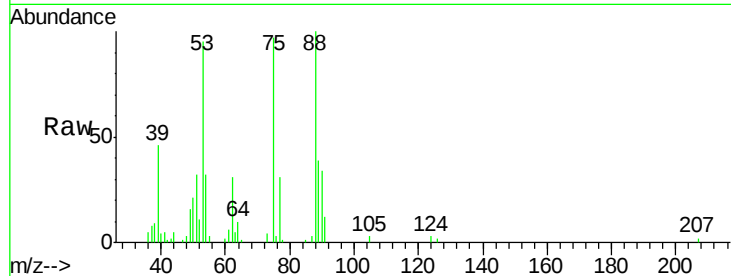
ClientSampleId :

VN0721WBS01

Tot Ion:	75	Resp:	24211
Ion	Ratio	Lower	Upper
75	100		
53	97.0	75.4	113.0
89	41.4	34.5	51.7

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#82

4-Chlorotoluene

Concen: 16.956 ug/l

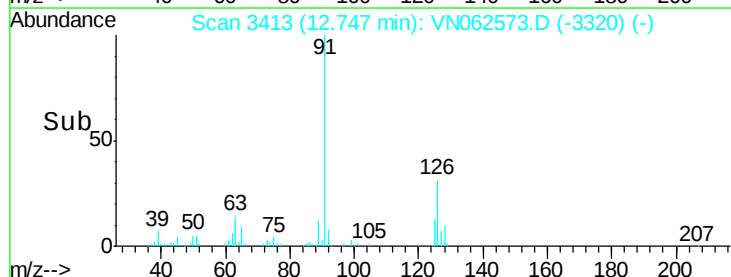
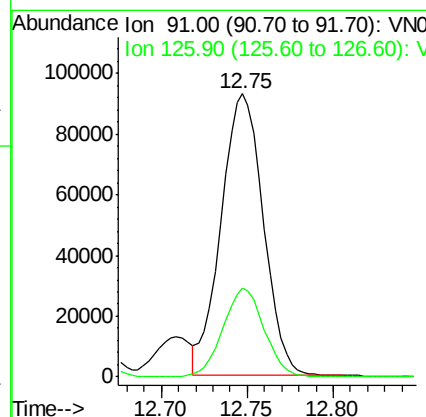
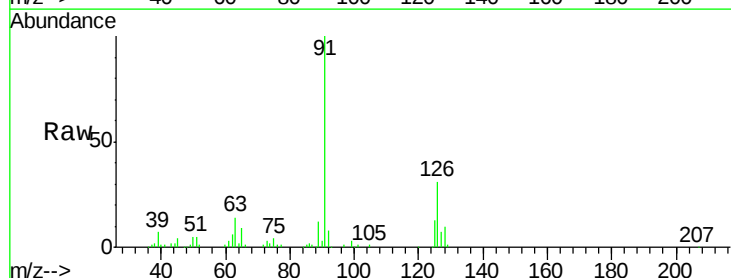
RT: 12.75 min Scan# 3413

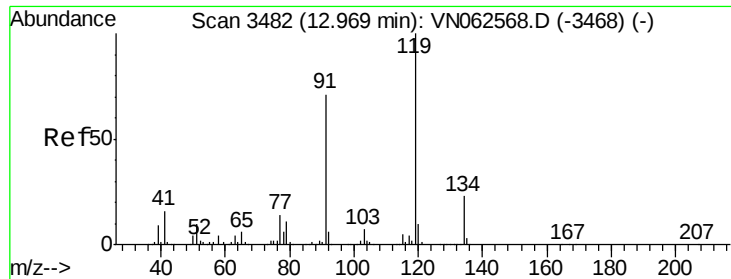
Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion:	91	Resp:	159442
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.4	46.4





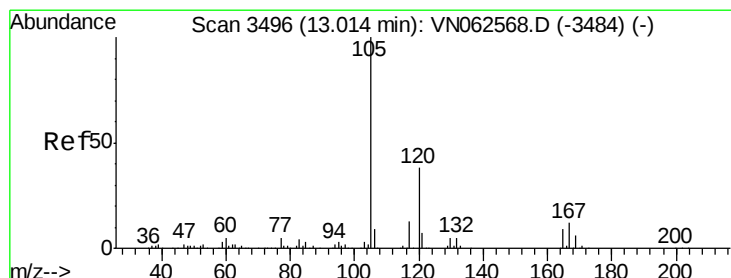
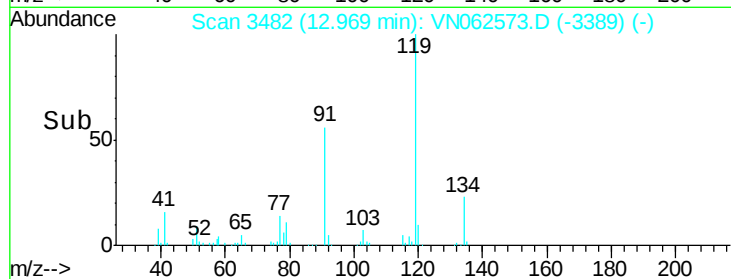
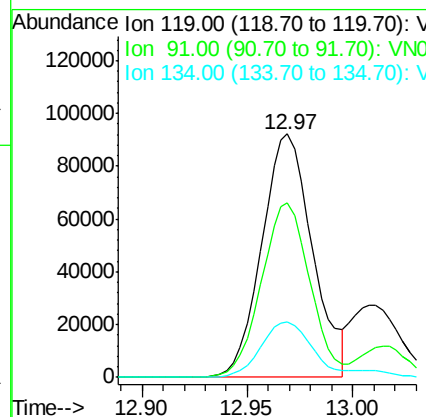
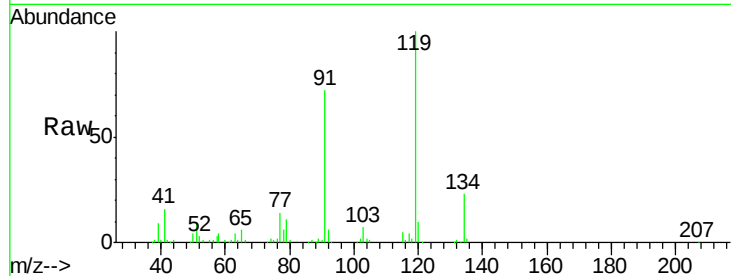
#83
 tert-Butylbenzene
 Concen: 17.912 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.6	103.8
134	23.0	11.5	34.4

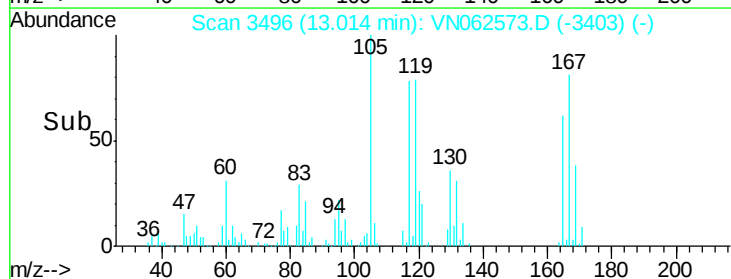
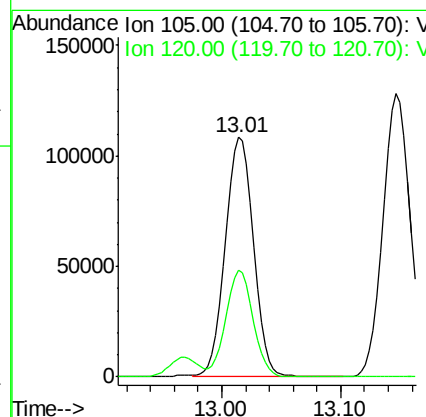
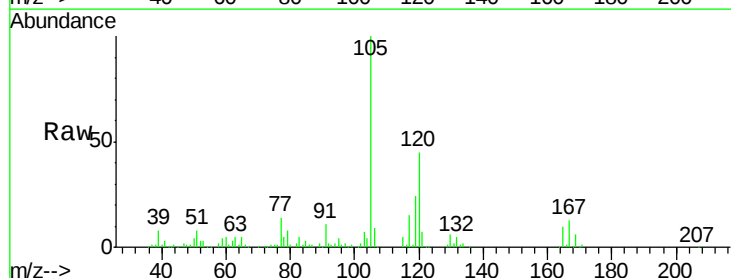
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.582 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.3





#85

sec-Butylbenzene

Concen: 17.742 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBS01

Tot Ion:105 Resp: 204732

Ion Ratio Lower Upper

105 100

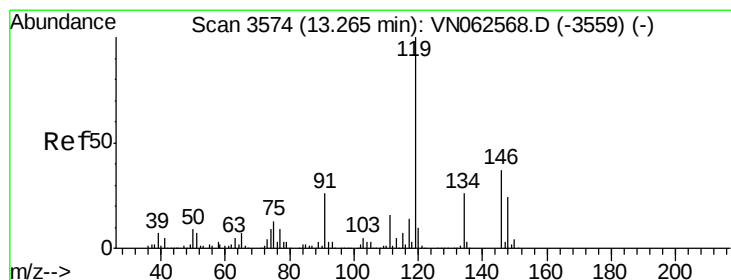
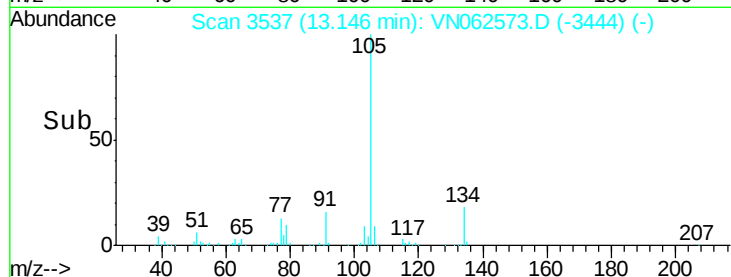
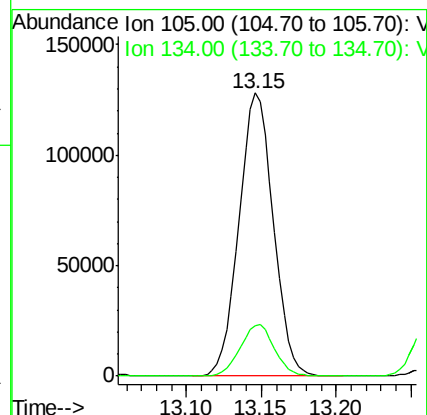
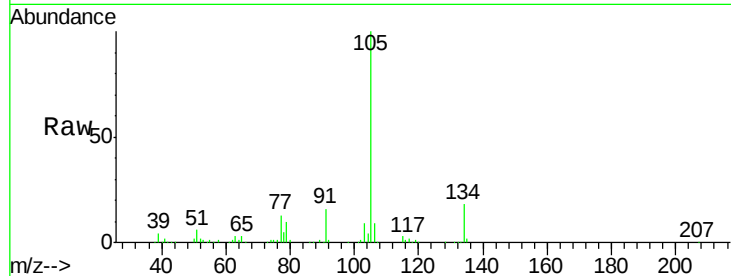
134 18.2 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.691 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

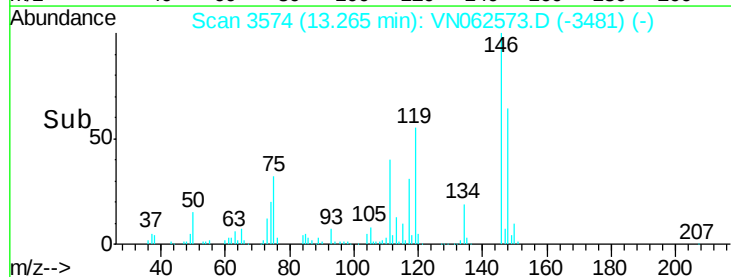
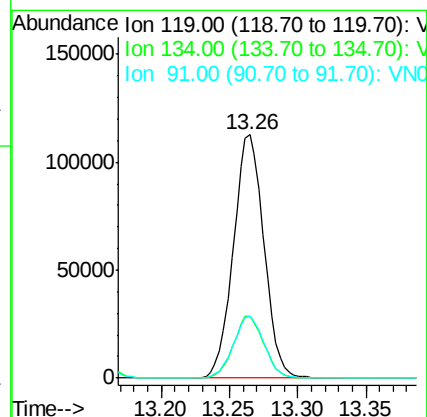
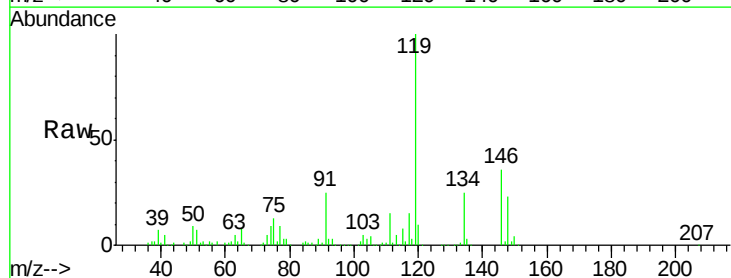
Tgt Ion:119 Resp: 175581

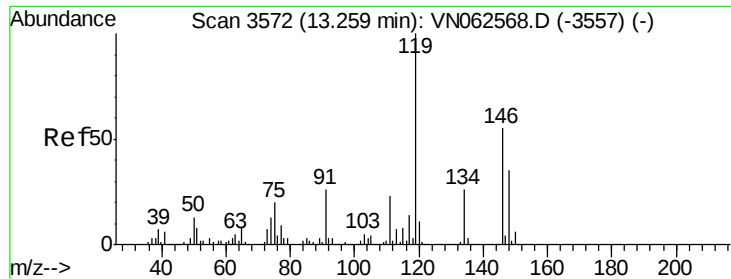
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 25.5 12.7 38.1





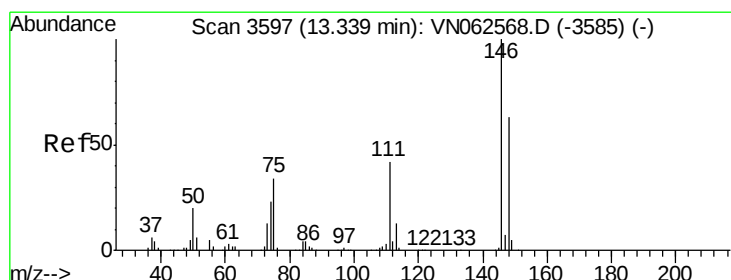
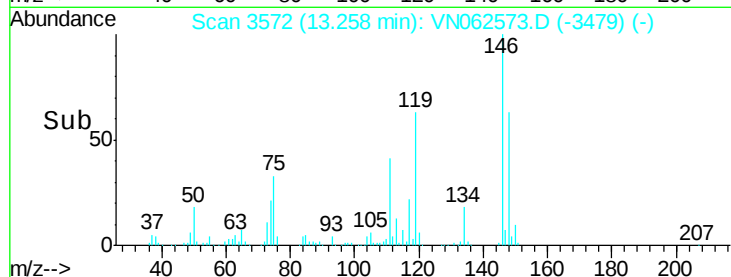
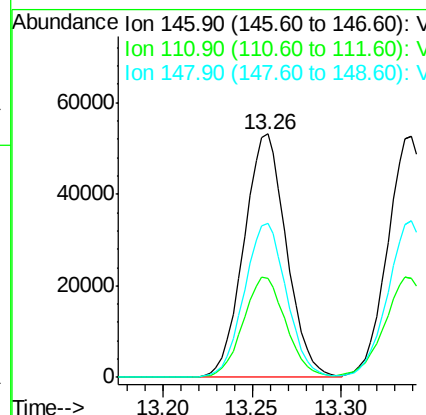
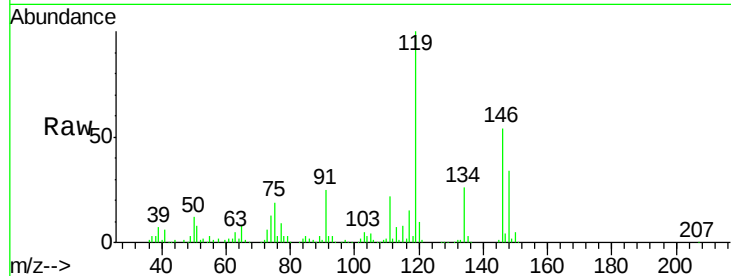
#87
 1,3-Dichlorobenzene
 Concen: 16.797 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.6	64.6
148	63.1	31.8	95.4

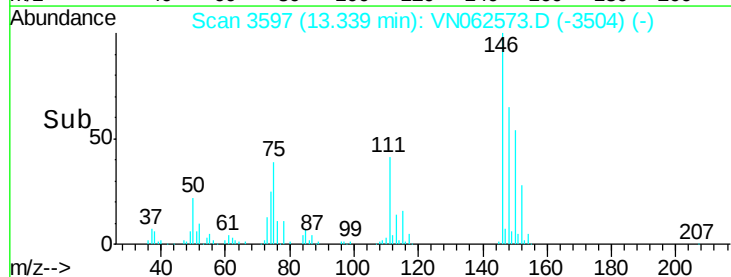
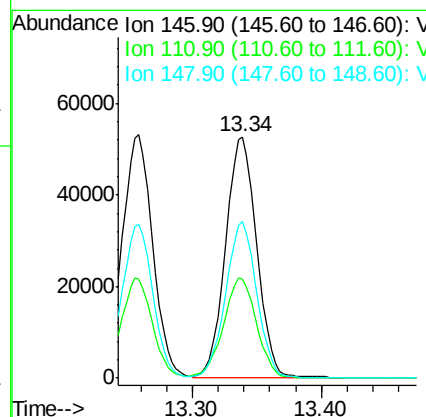
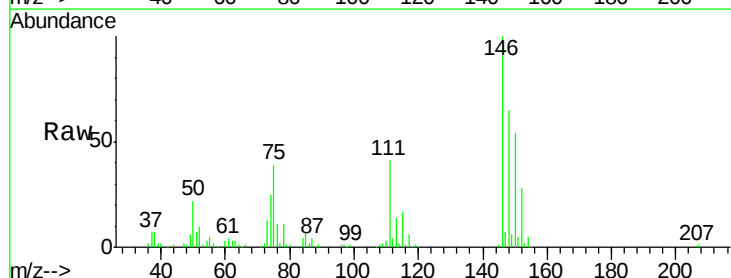
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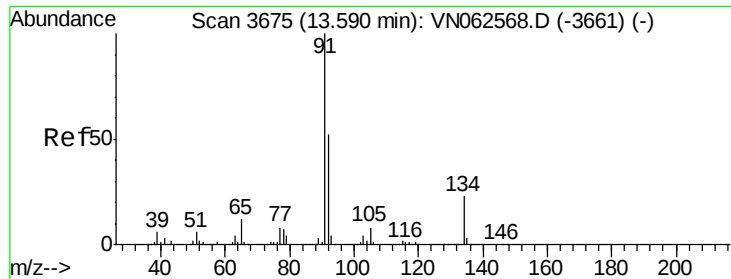
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#88
 1,4-Dichlorobenzene
 Concen: 17.068 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.1
148	64.6	31.6	94.8





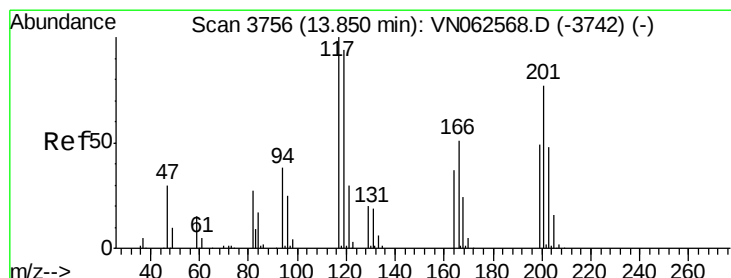
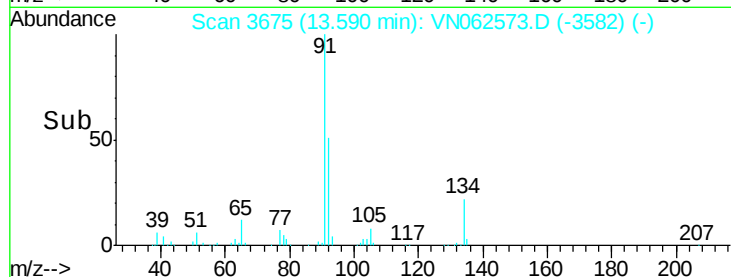
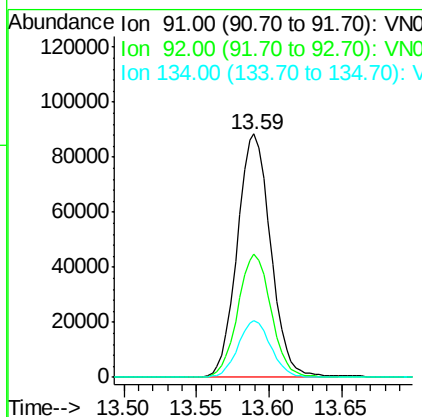
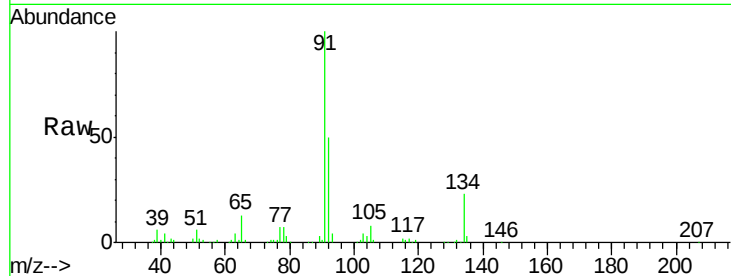
#89
n-Butylbenzene
Concen: 16.635 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.8	77.3
134	23.0	11.8	35.3

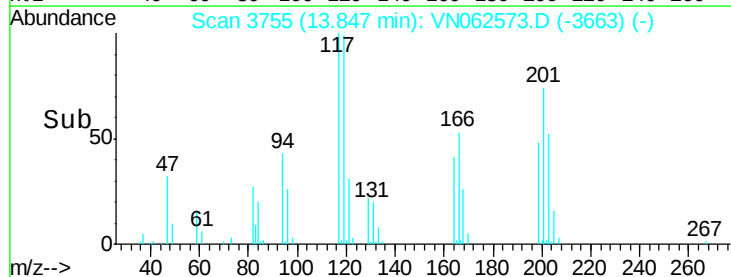
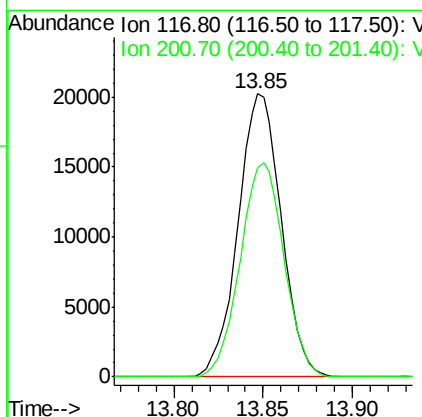
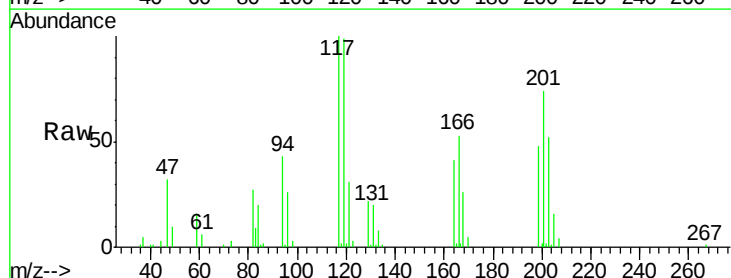
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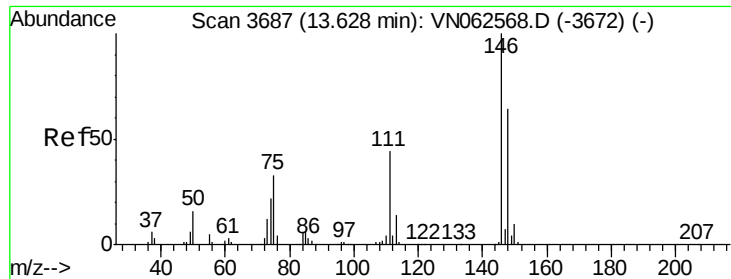
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#90
Hexachloroethane
Concen: 16.199 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062573.D
Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	39.2	117.6





#91

1,2-Dichlorobenzene

Concen: 16.784 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

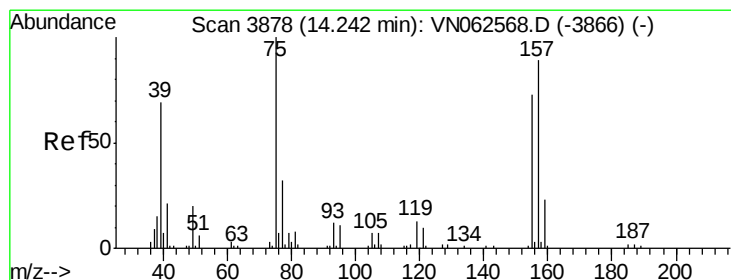
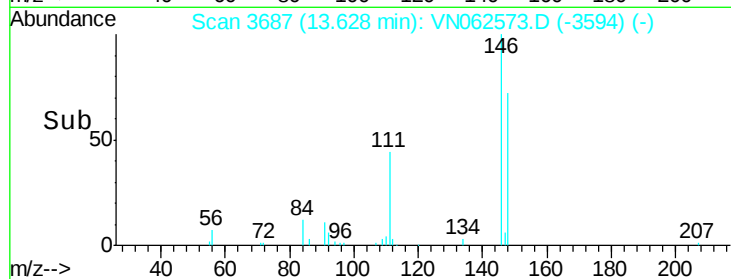
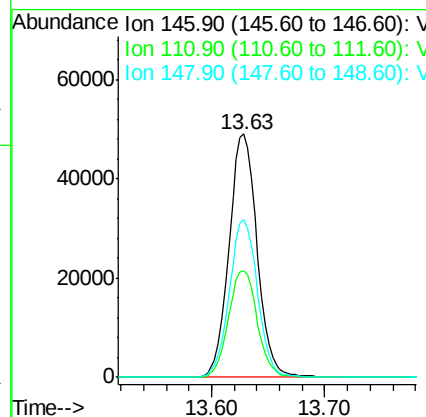
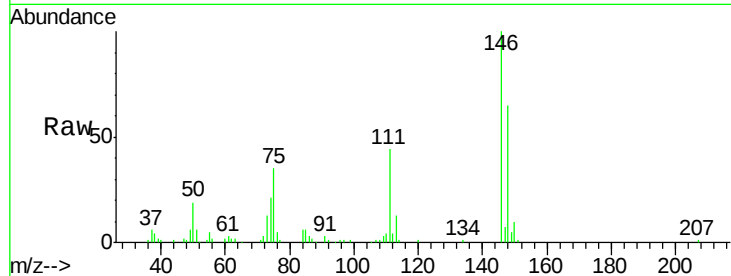
ClientSampleId :

VN0721WBS01

Tot Ion:	146	Resp:	84695
Ion Ratio	Lower	Upper	
146	100		
111	45.0	21.9	65.8
148	65.1	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.865 ug/l

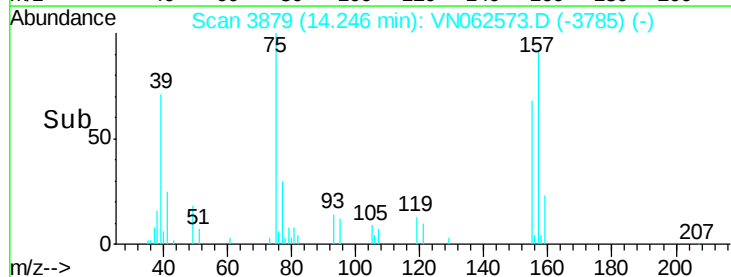
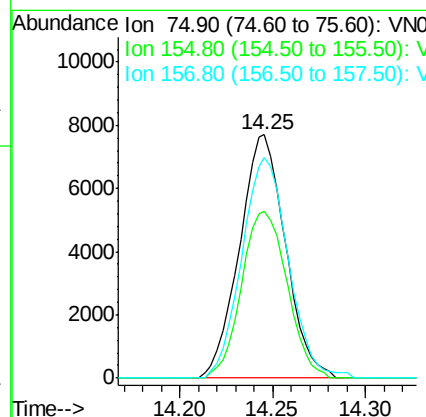
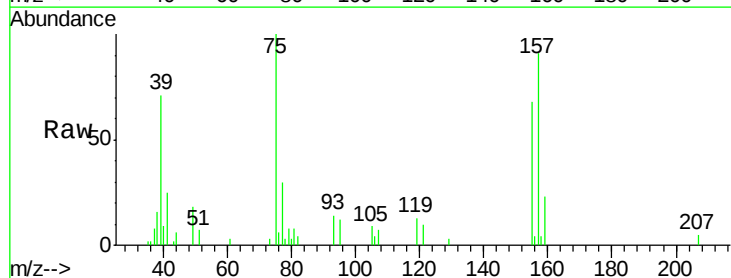
RT: 14.25 min Scan# 3879

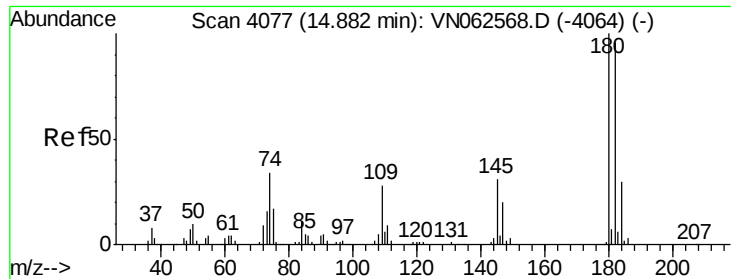
Delta R.T. 0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion:	75	Resp:	13316
Ion Ratio	Lower	Upper	
75	100		
155	67.9	35.9	107.5
157	91.5	45.0	135.0





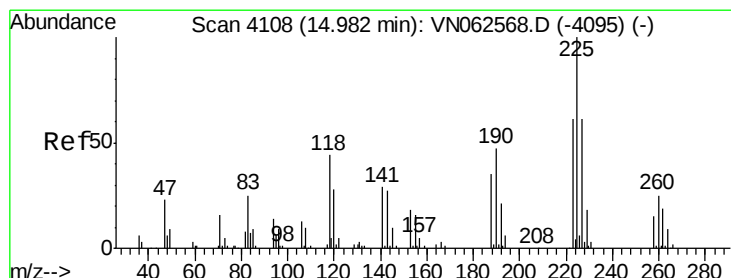
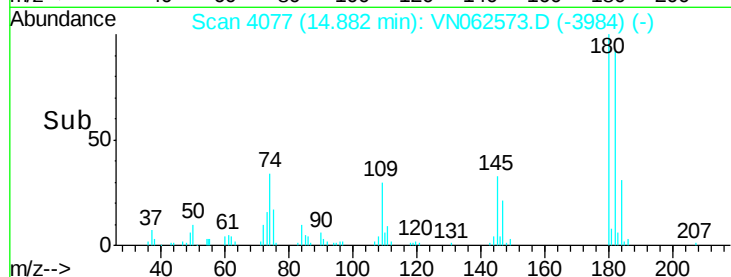
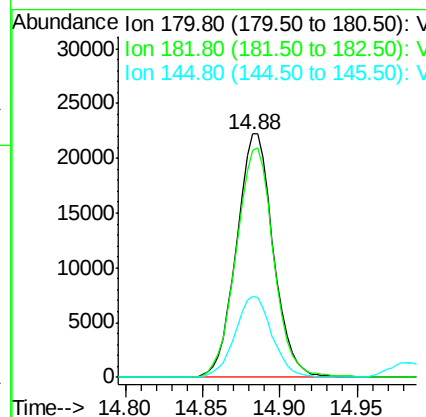
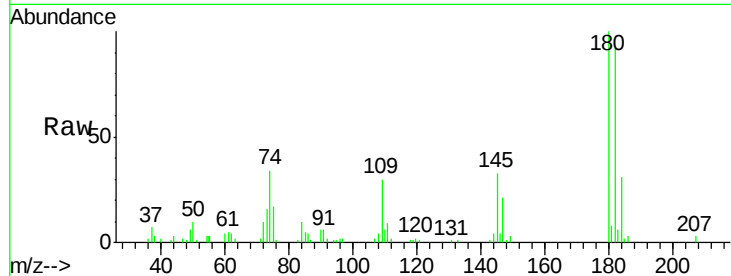
#93
 1,2,4-Trichlorobenzene
 Concen: 16.051 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.8	143.3	
145	33.3	15.3	45.9	

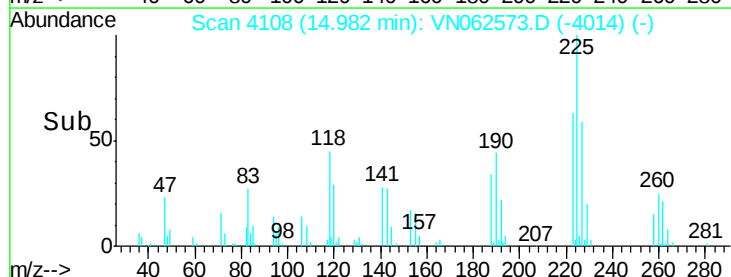
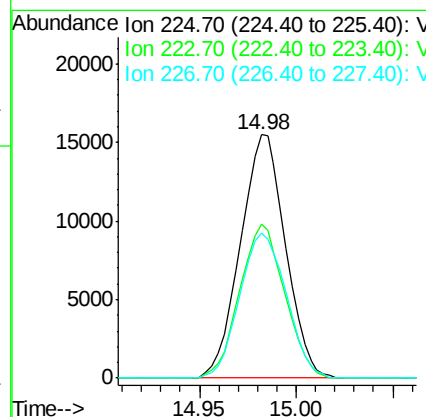
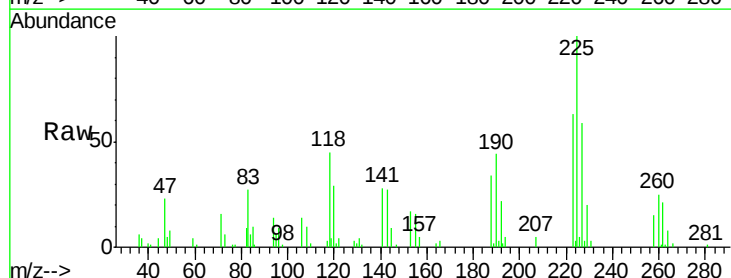
Manual Integrations
 APPROVED

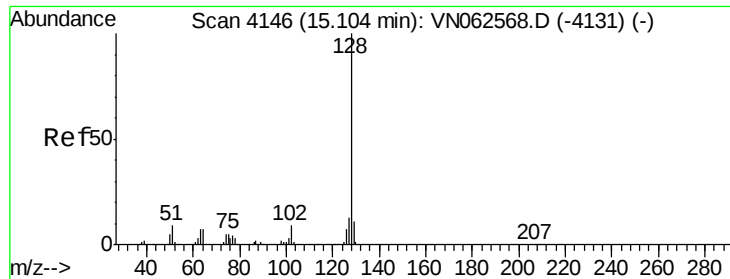
MMDadoda
 7/22/2020 2:45:46 PM



#94
 Hexachlorobutadiene
 Concen: 18.092 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062573.D
 Acq: 21 Jul 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.0	96.0	
227	61.5	31.1	93.2	





#95

Naphthalene

Concen: 16.255 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Instrument :

MSVOA_N

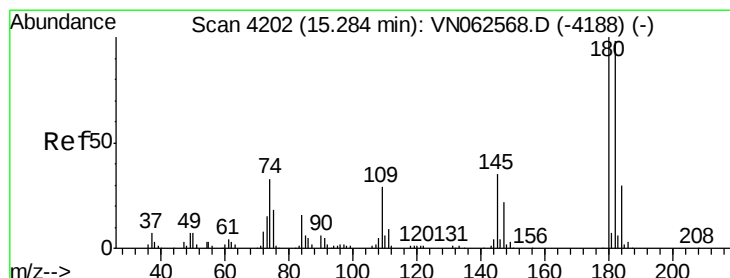
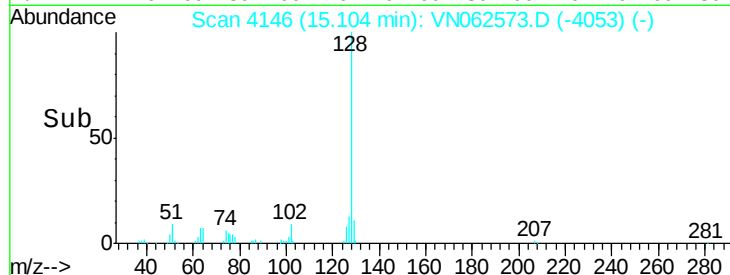
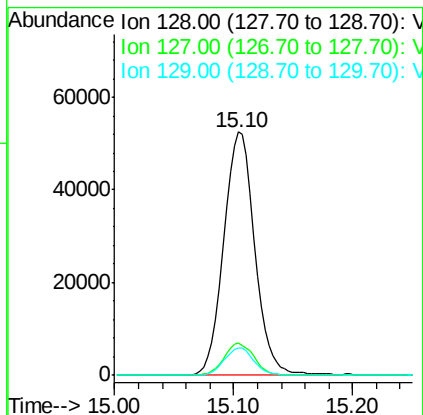
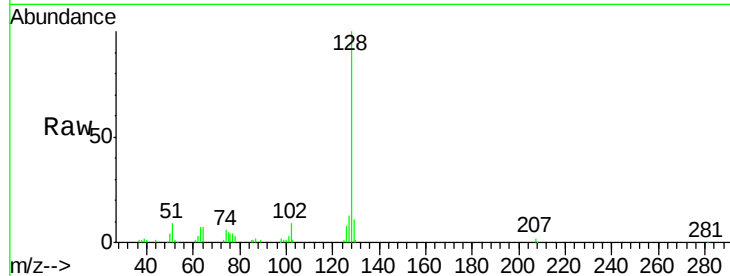
ClientSampleId :

VN0721WBS01

Tot Ion:	128	Resp:	95088
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:45:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.043 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062573.D

Acq: 21 Jul 2020 15:58

Tgt Ion:	180	Resp:	38153
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.1	144.3
145	34.1	16.7	50.1

