

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062973.D
 Acq On : 17 Aug 2020 15:26
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:57 AM

Quant Time: Aug 17 15:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	269922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	388679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	467108	112.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.38%	
35) Dibromofluoromethane	7.55	113	404440	150.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.90%	
50) Toluene-d8	10.06	98	1596778	151.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.96%	
62) 4-Bromofluorobenzene	12.38	95	616437	157.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	430477	115.376	ug/l	100
3) Chloromethane	2.03	50	411639	115.877	ug/l	100
4) Vinyl Chloride	2.16	62	472506	134.525	ug/l	99
5) Bromomethane	2.49	94	314585	135.039	ug/l	98
6) Chloroethane	2.64	64	328588	142.647	ug/l	95
7) Trichlorofluoromethane	2.97	101	664462	111.082	ug/l	99
8) Diethyl Ether	3.37	74	238779	140.508	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	344902	129.163	ug/l	96
10) Methyl Iodide	3.91	142	495969	166.208	ug/l	99
11) Tert butyl alcohol	4.75	59	401623	597.556	ug/l	99
12) 1,1-Dichloroethene	3.69	96	333234	131.533	ug/l	92
13) Acrolein	3.56	56	227427	545.238	ug/l	99
14) Allyl chloride	4.27	41	631795	138.448	ug/l	95
15) Acrylonitrile	4.93	53	1174699	720.527	ug/l	99
16) Acetone	3.78	43	902097	594.129	ug/l	96
17) Carbon Disulfide	4.00	76	937056	125.583	ug/l	99
18) Methyl Acetate	4.27	43	511594	125.103	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	1303053	130.644	ug/l	99
20) Methylene Chloride	4.50	84	417523	129.034	ug/l	93
21) trans-1,2-Dichloroethene	4.98	96	362258	136.059	ug/l	96
22) Diisopropyl ether	5.90	45	1424982	147.418	ug/l	95
23) Vinyl Acetate	5.84	43	4959186	678.386	ug/l	97
24) 1,1-Dichloroethane	5.80	63	741178	130.072	ug/l	100
25) 2-Butanone	6.79	43	1506503	704.150	ug/l	94
26) 2,2-Dichloropropane	6.77	77	582929	113.515	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	448677	141.188	ug/l	93
28) Bromochloromethane	7.15	49	398199	144.513	ug/l	84
29) Tetrahydrofuran	7.17	42	992752	712.612	ug/l	93
30) Chloroform	7.33	83	749021	124.732	ug/l	99
31) Cyclohexane	7.61	56	748943	144.163	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	619985	117.059	ug/l	98
36) 1,1-Dichloropropene	7.75	75	544535	144.770	ug/l	97
37) Ethyl Acetate	6.88	43	554749	143.710	ug/l	97
38) Carbon Tetrachloride	7.73	117	536824	121.007	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	750746	162.108	ug/l	97
40) Benzene	8.00	78	1667948	146.020	ug/l	99
41) Methacrylonitrile	7.13	41	273268	160.723	ug/l #	82
42) 1,2-Dichloroethane	8.08	62	545998	117.032	ug/l	98
43) Isopropyl Acetate	8.13	43	895755	139.368	ug/l #	88
44) Trichloroethene	8.80	130	417465	147.539	ug/l	97
45) 1,2-Dichloropropane	9.08	63	468611	152.800	ug/l	99
46) Dibromomethane	9.17	93	284774	141.574	ug/l	94
47) Bromodichloromethane	9.37	83	605088	136.121	ug/l	98
48) Methyl methacrylate	9.17	41	449083	142.512	ug/l	93
49) 1,4-Dioxane	9.17	88	180814	3058.555	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	3033222	730.643	ug/l	99
52) Toluene	10.12	92	1077496	152.500	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	698568	143.447	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	743876	149.710	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	442416	146.214	ug/l	96
56) Ethyl methacrylate	10.40	69	742762	167.518	ug/l	97
57) 1,3-Dichloropropane	10.68	76	741835	146.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	923134	752.282	ug/l	94
59) 2-Hexanone	10.72	43	2283481	741.248	ug/l	99
60) Dibromochloromethane	10.88	129	499130	145.722	ug/l	99
61) 1,2-Dibromoethane	10.98	107	456714	153.183	ug/l	98
64) Tetrachloroethene	10.60	164	377110	148.325	ug/l	99
65) Chlorobenzene	11.41	112	1186513	146.674	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	454440	140.971	ug/l	99
67) Ethyl Benzene	11.48	91	2140774	149.964	ug/l	99
68) m/p-Xylenes	11.60	106	1642657	313.887	ug/l	100
69) o-Xylene	11.92	106	802465	163.993	ug/l	99
70) Styrene	11.94	104	1445667	168.184	ug/l	98
71) Bromoform	12.10	173	415233	155.920	ug/l #	99
73) Isopropylbenzene	12.22	105	2142858	137.379	ug/l	100
74) N-amyl acetate	12.05	43	900547	148.056	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	705824	128.664	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	626125m	114.312	ug/l	
77) Bromobenzene	12.50	156	580048	145.856	ug/l	92
78) n-propylbenzene	12.57	91	2552476	139.881	ug/l	98
79) 2-Chlorotoluene	12.65	91	1524362	133.856	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	1906498	141.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	259239	145.654	ug/l	99
82) 4-Chlorotoluene	12.75	91	1629660	138.555	ug/l	97
83) tert-Butylbenzene	12.97	119	1633517	142.251	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1935420	149.681	ug/l	99
85) sec-Butylbenzene	13.15	105	2206967	146.548	ug/l	99
86) p-Isopropyltoluene	13.26	119	2039710	152.410	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	1062249	150.740	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1058866	149.322	ug/l	100
89) n-Butylbenzene	13.59	91	1832248	162.998	ug/l	99
90) Hexachloroethane	13.85	117	373546	130.464	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	1007760	152.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	138730	122.538	ug/l	93

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ClientSampleId :
VSTDICC150

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Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	630335	200.837	ug/l	100
94) Hexachlorobutadiene	14.98	225	354718	150.725	ug/l	99
95) Naphthalene	15.10	128	1584242	196.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	613544	201.962	ug/l	97

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

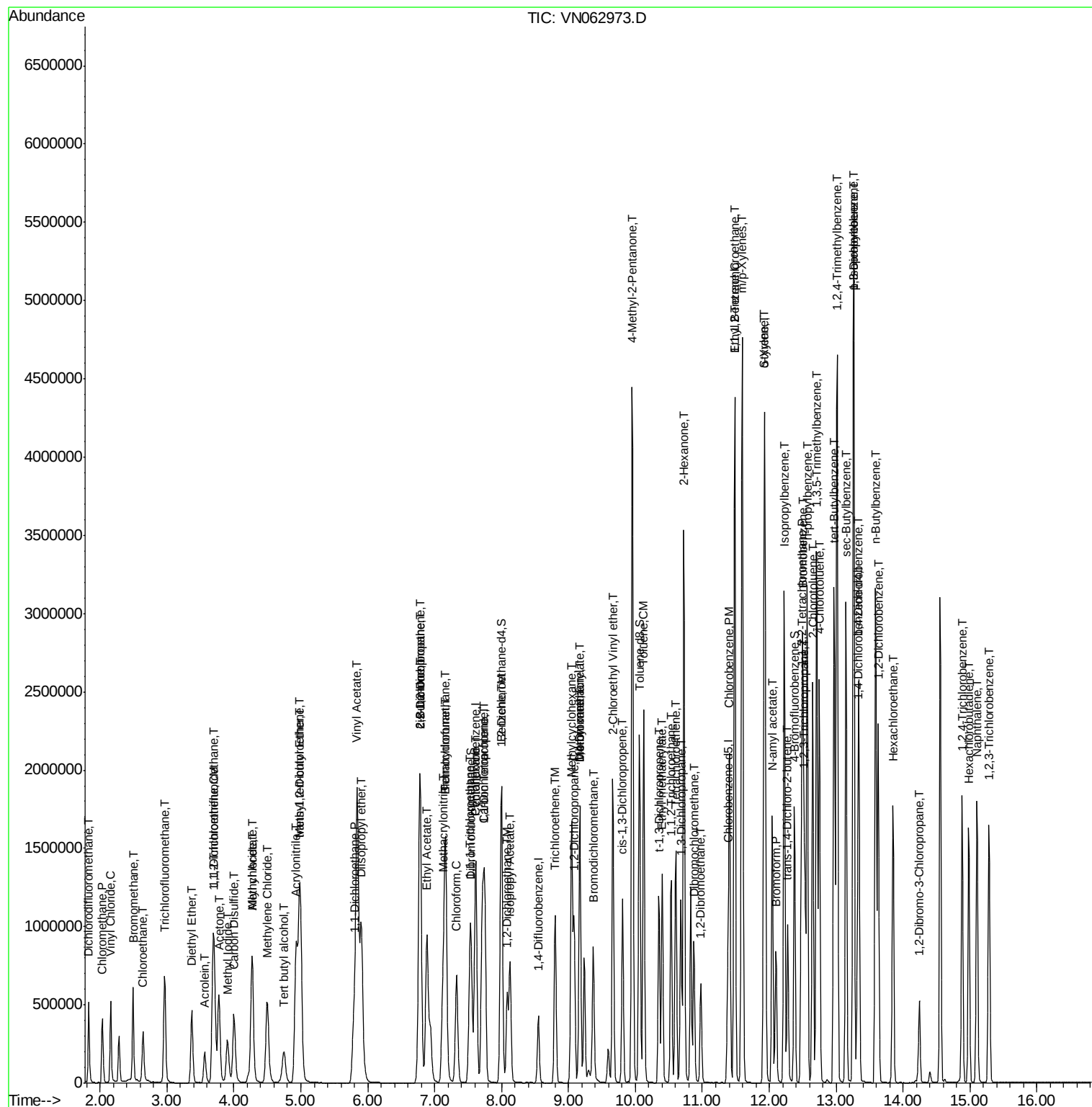
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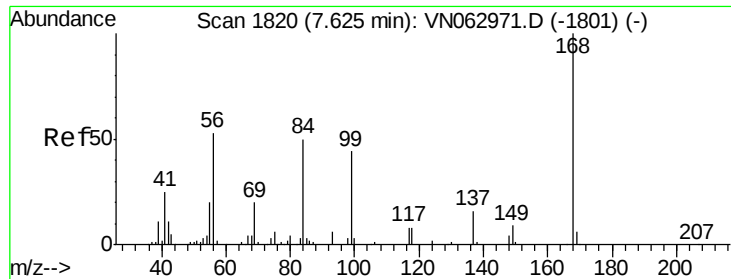
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 269922

Ion Ratio Lower Upper

168 100

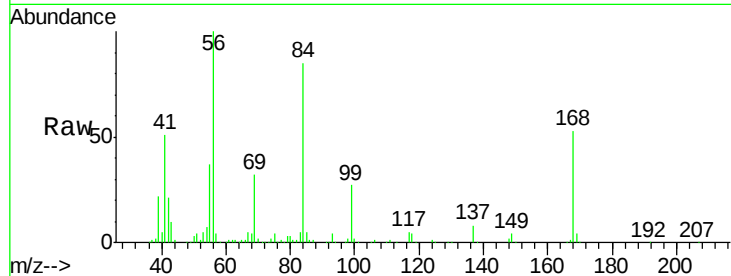
99 50.8 39.4 59.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

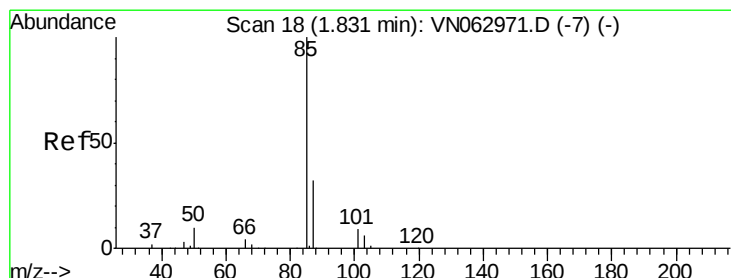
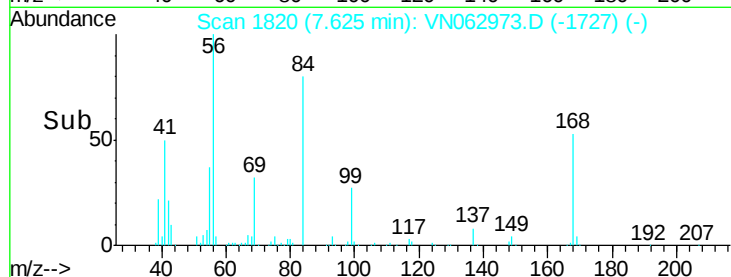
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 115.376 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062973.D

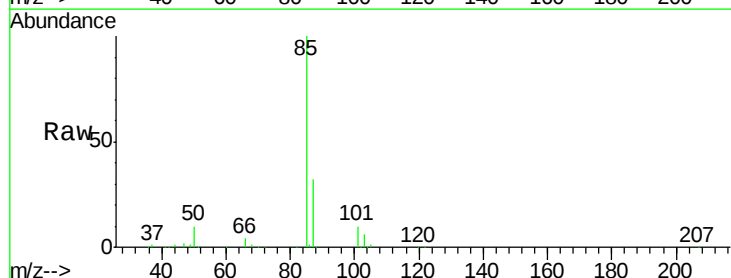
Acq: 17 Aug 2020 15:26

Tgt Ion: 85 Resp: 430477

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

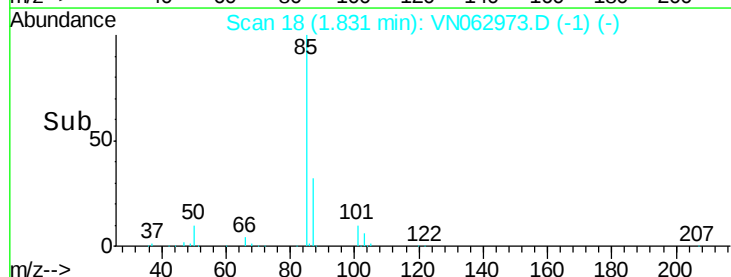
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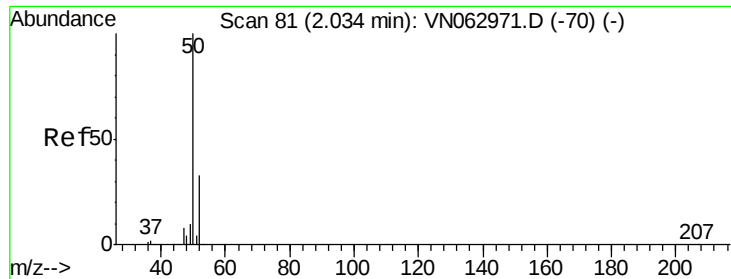
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1.75 1.80 1.85 1.90 1.95

Time-->





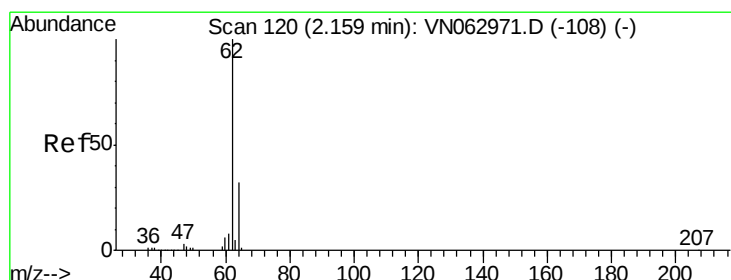
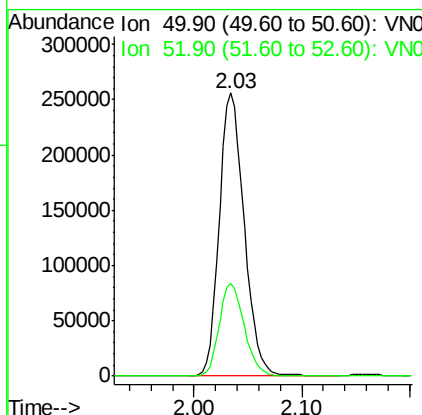
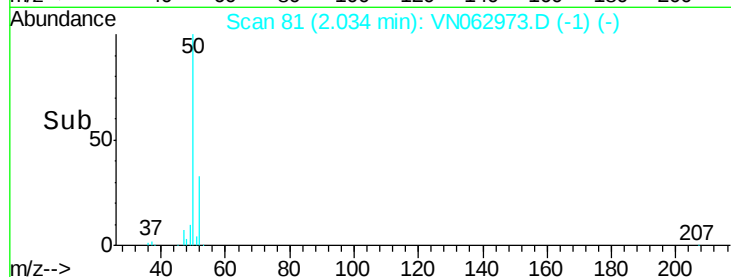
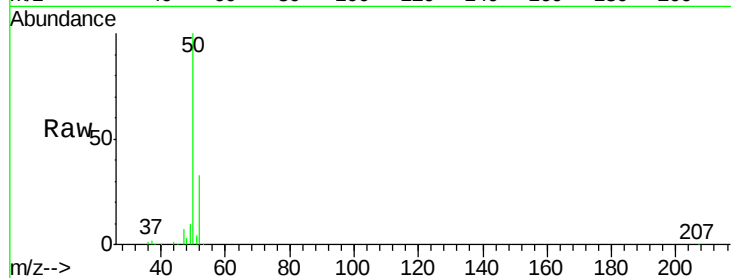
#3
Chloromethane
Concen: 115.877 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2

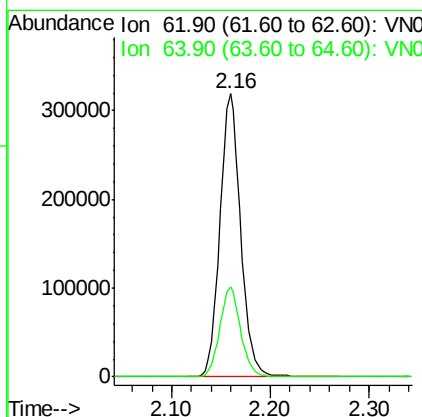
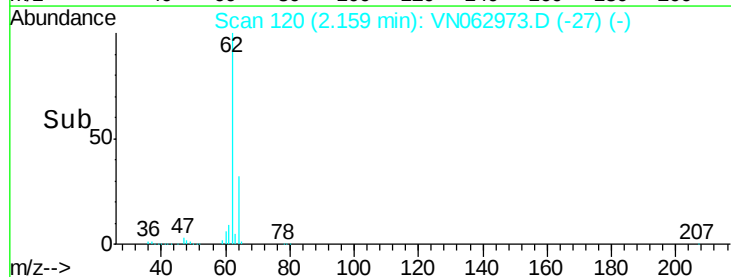
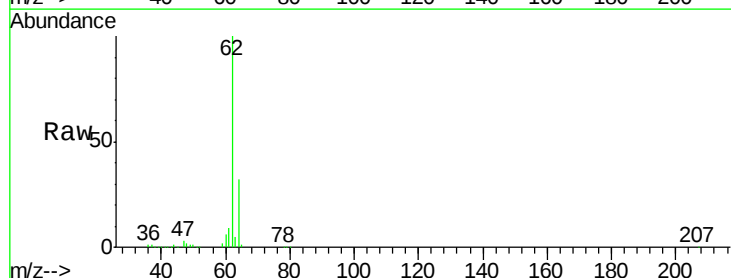
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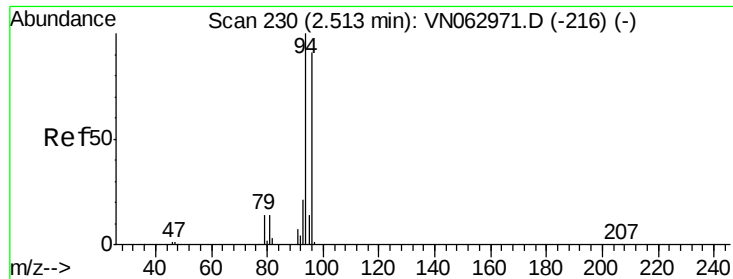
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#4
Vinyl Chloride
Concen: 134.525 ug/l
RT: 2.16 min Scan# 120
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.9	38.9





#5

Bromomethane

Concen: 135.039 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.02 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 314585

Ion Ratio Lower Upper

94 100

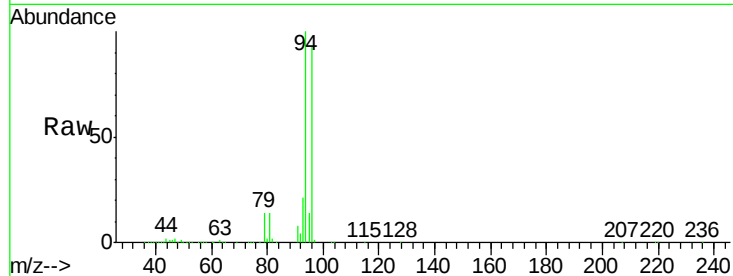
96 93.0 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250000

200000

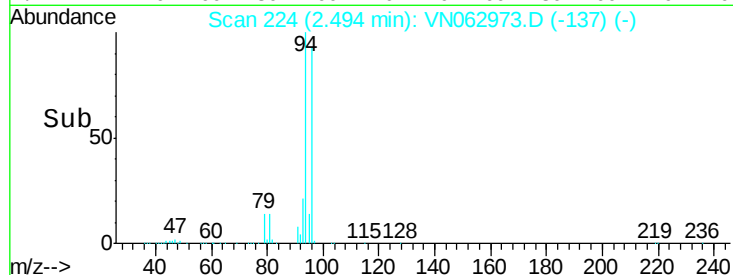
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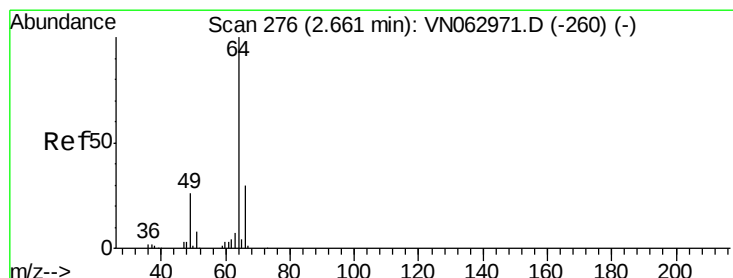
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Time-->



Time-->



#6

Chloroethane

Concen: 142.647 ug/l

RT: 2.64 min Scan# 270

Delta R.T. -0.02 min

Lab File: VN062973.D

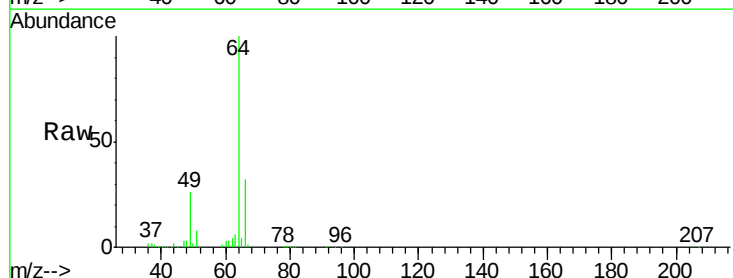
Acq: 17 Aug 2020 15:26

Tgt Ion: 64 Resp: 328588

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

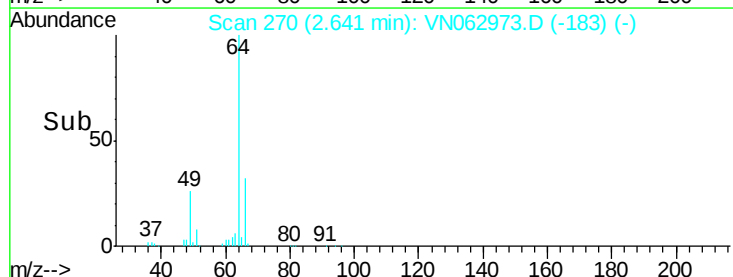
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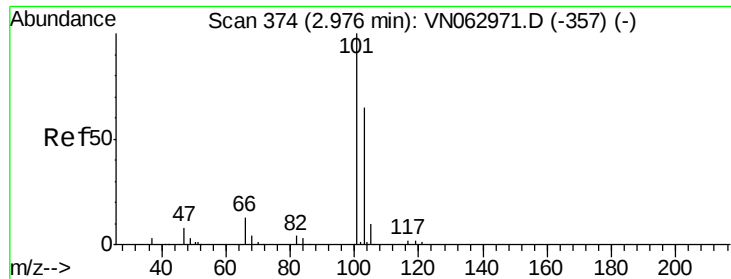
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Time-->



Time-->



#7

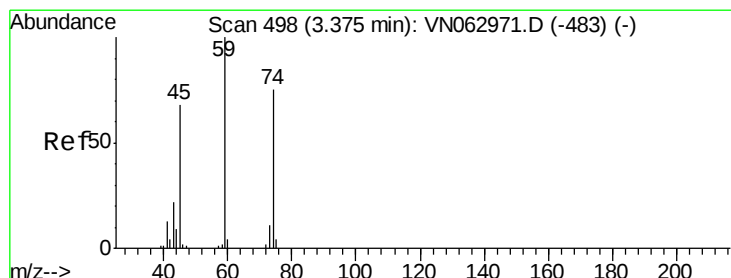
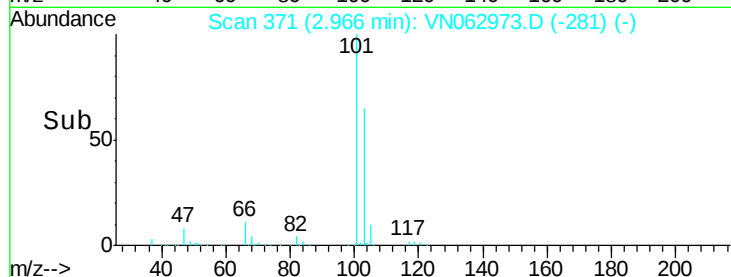
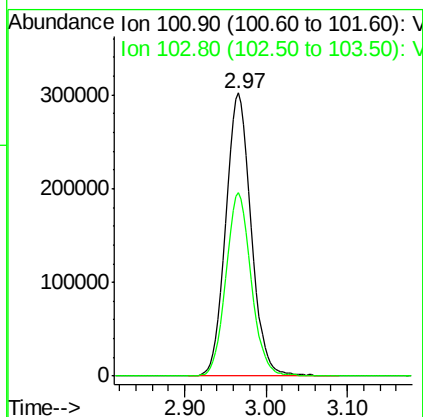
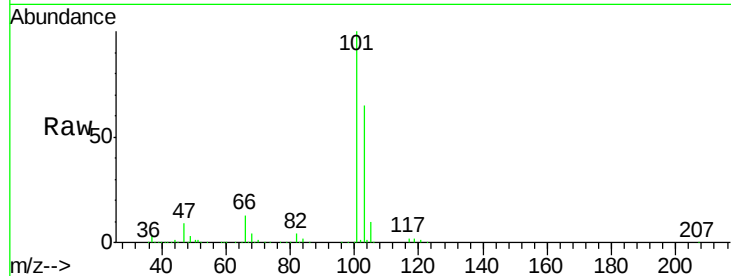
Trichlorofluoromethane
Concen: 111.082 ug/l
RT: 2.97 min Scan# 371
Delta R.T. -0.01 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	664462		
103	64.8	52.2	78.4	

Manual Integrations
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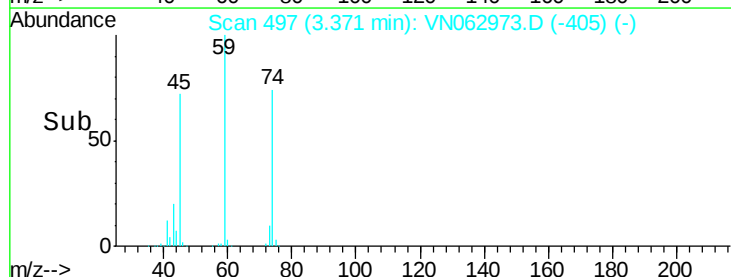
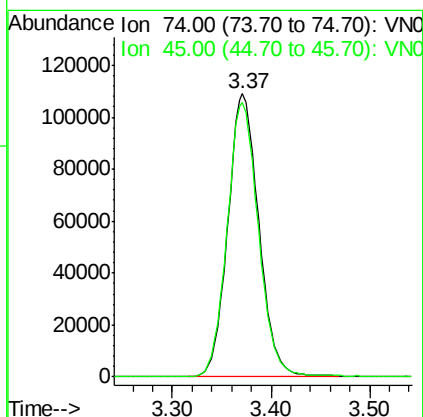
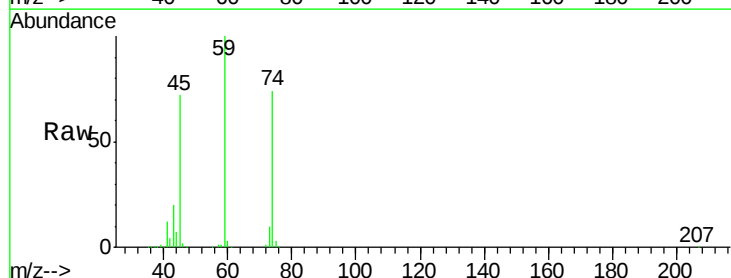
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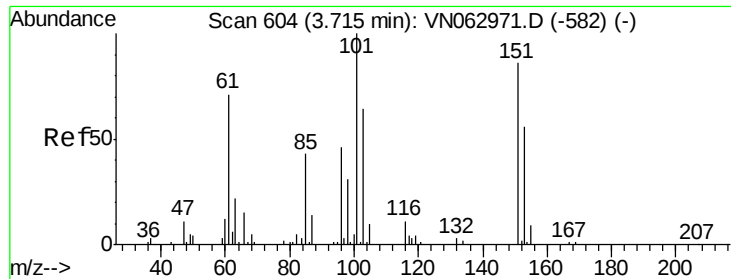


#8

Diethyl Ether
Concen: 140.508 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	238779		
45	98.1	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.163 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062973.D

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Instrument :

MSVOA_N

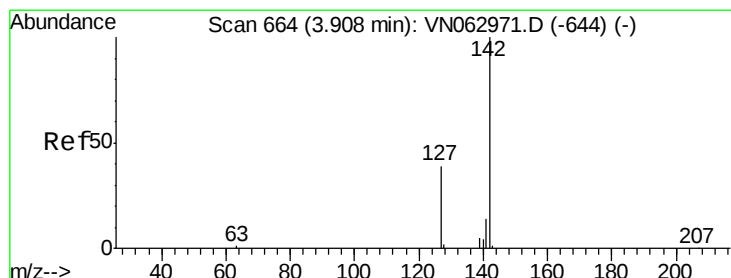
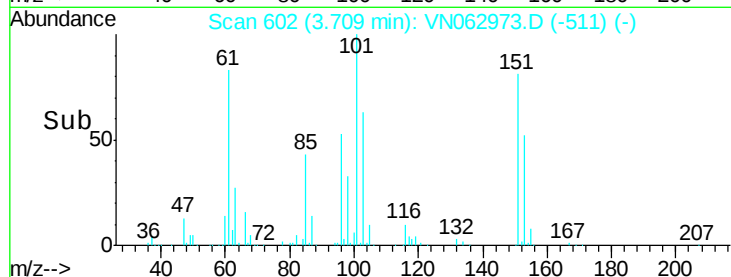
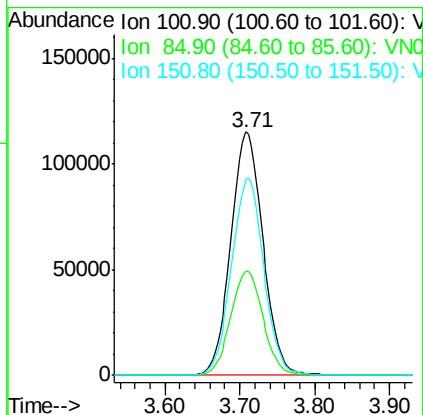
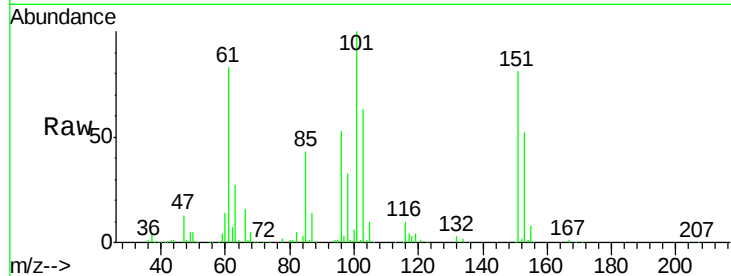
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	344902
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.1	51.1
151	81.2	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 166.208 ug/l

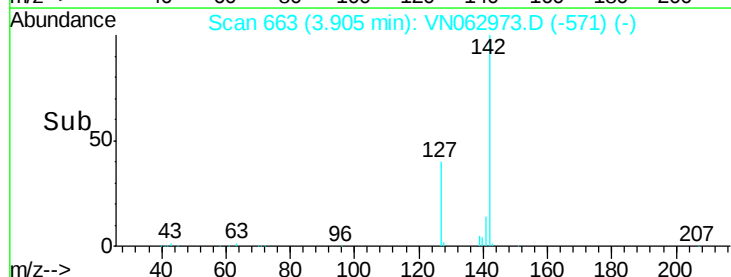
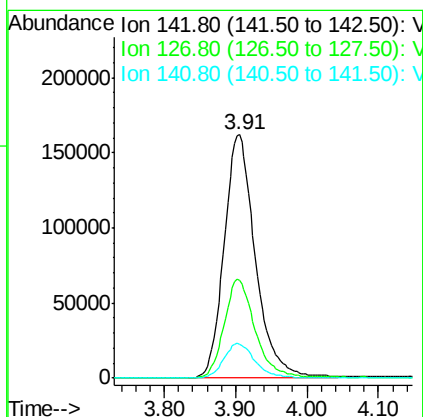
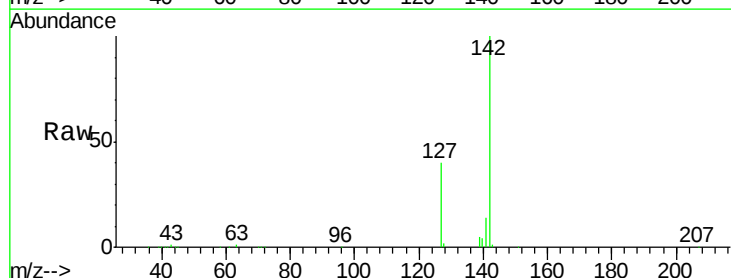
RT: 3.91 min Scan# 663

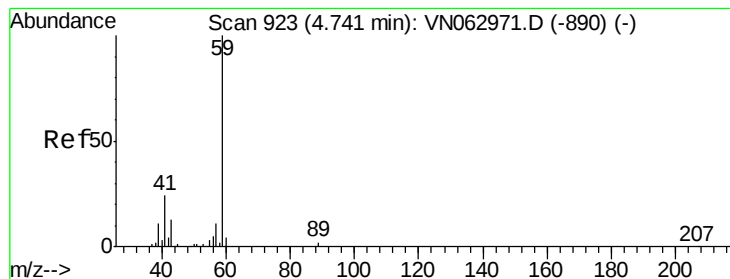
Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	142	Resp:	495969
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.9	47.9
141	14.1	11.4	17.2





#11

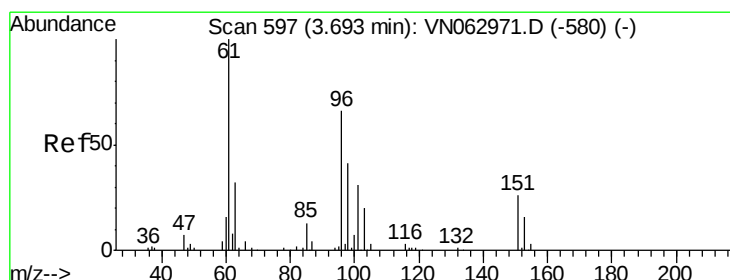
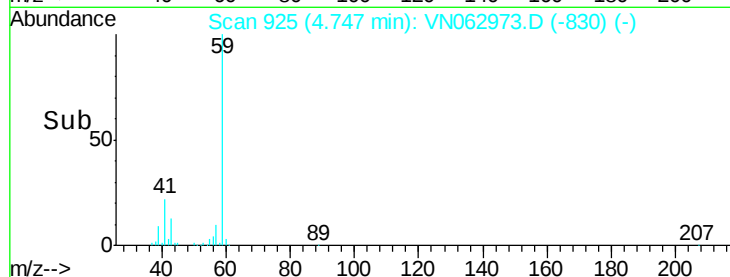
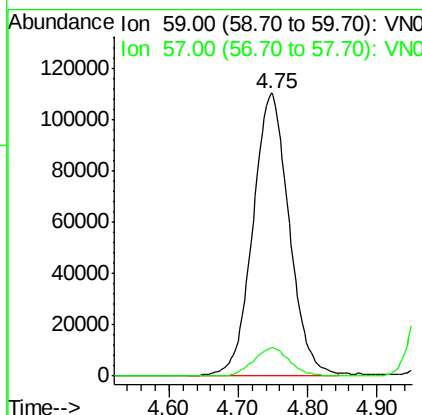
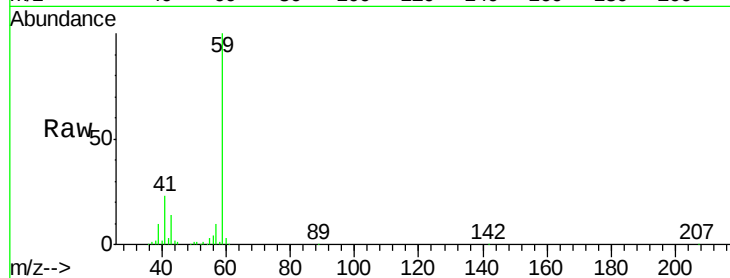
Tert butyl alcohol
 Concen: 597.556 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	401623
Ion Ratio	100	Lower	Upper
57	10.0	7.6	11.4

Manual Integrations
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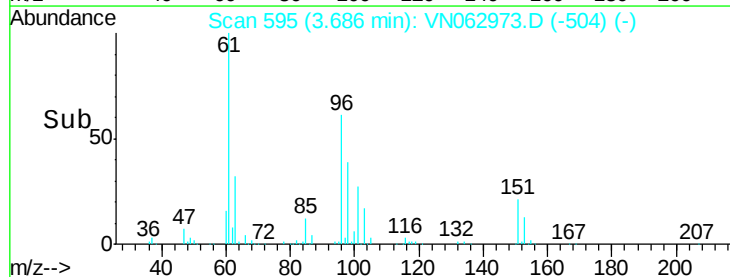
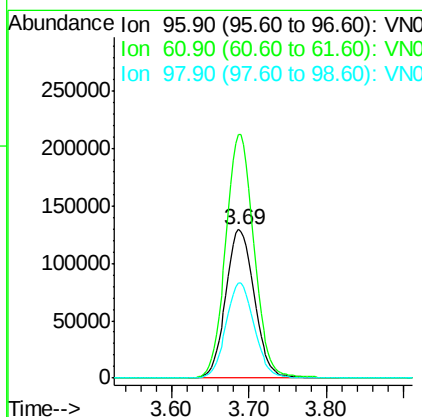
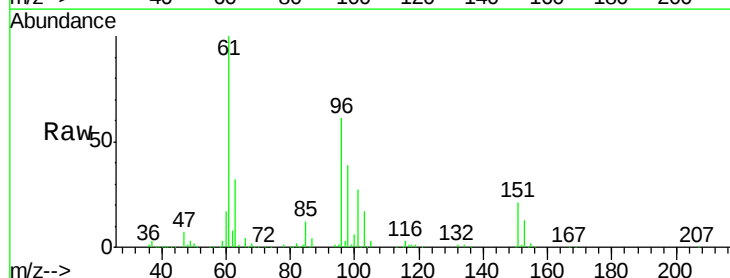
MMDadoda
 8/18/2020 11:12:57 AM

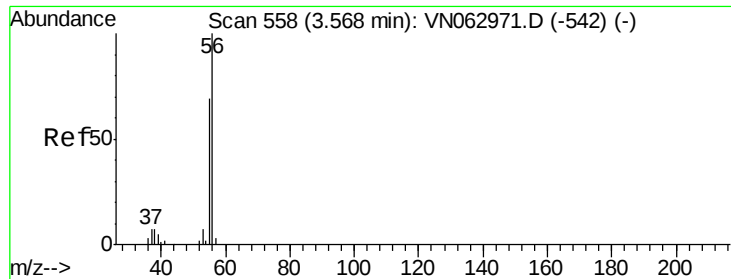


#12

1,1-Dichloroethene
 Concen: 131.533 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion	96	Resp	333234
Ion Ratio	100	Lower	Upper
61	163.7	120.4	180.6
98	64.0	49.8	74.6





#13

Acrolein

Concen: 545.238 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 227427

Ion Ratio Lower Upper

56 100

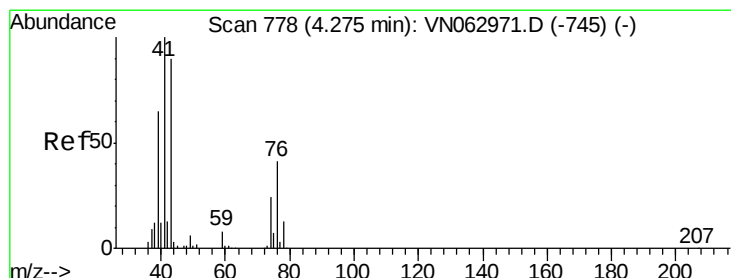
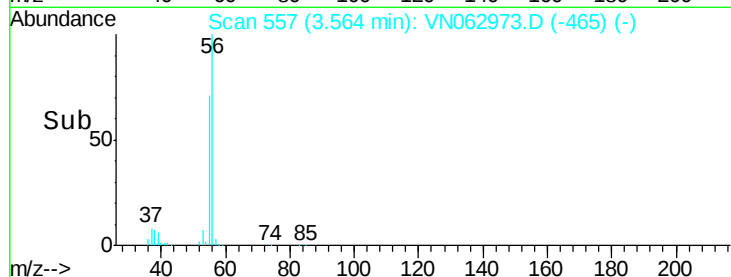
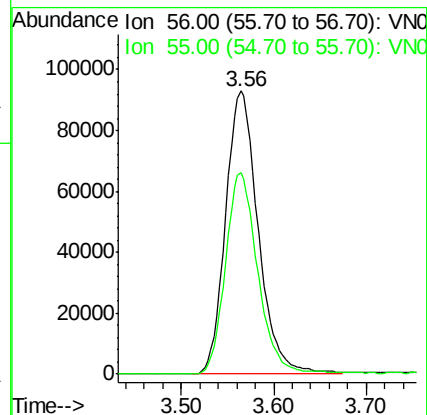
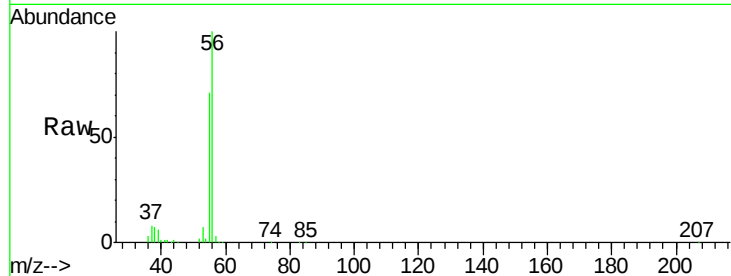
55 69.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 138.448 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

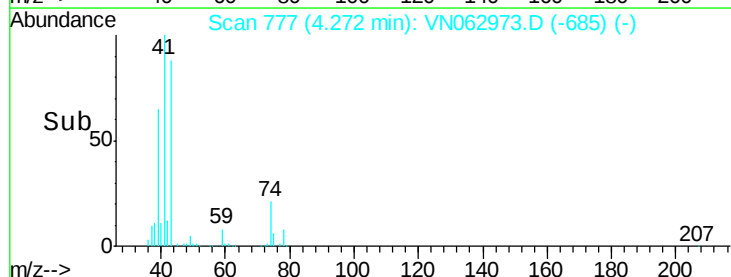
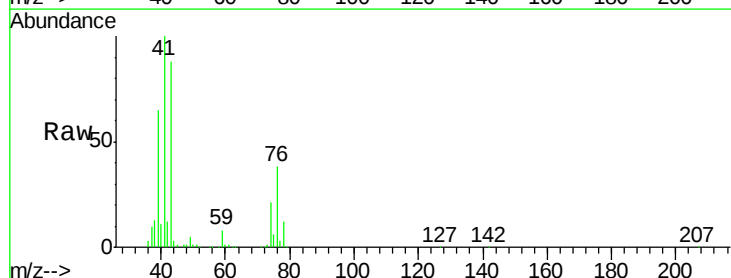
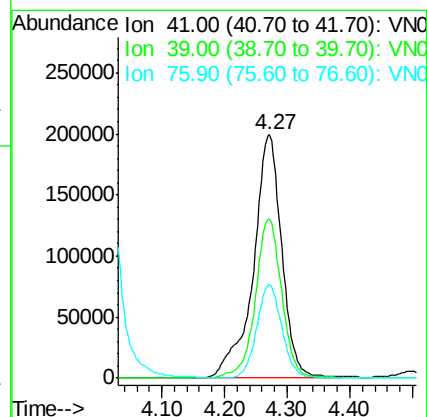
Tgt Ion: 41 Resp: 631795

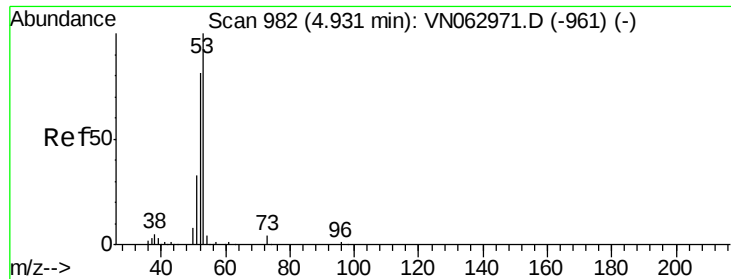
Ion Ratio Lower Upper

41 100

39 60.7 46.7 70.1

76 33.2 30.2 45.4





#15

Acrylonitrile

Concen: 720.527 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1174699

Ion Ratio Lower Upper

53 100

52 82.3 65.0 97.6

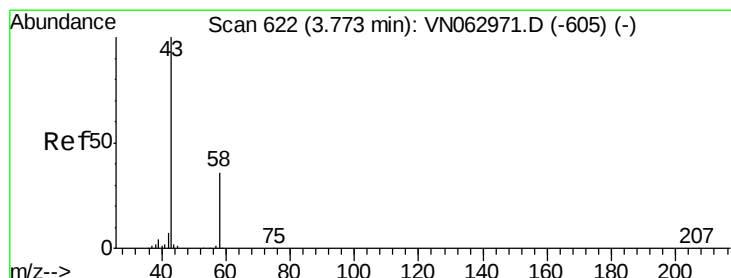
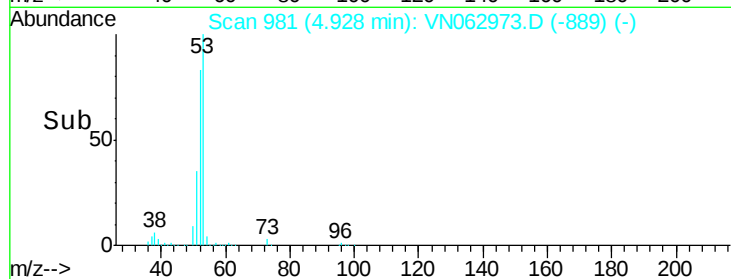
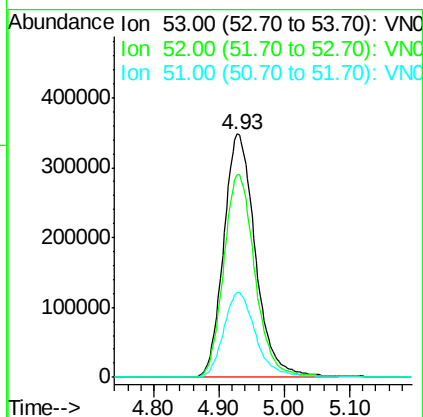
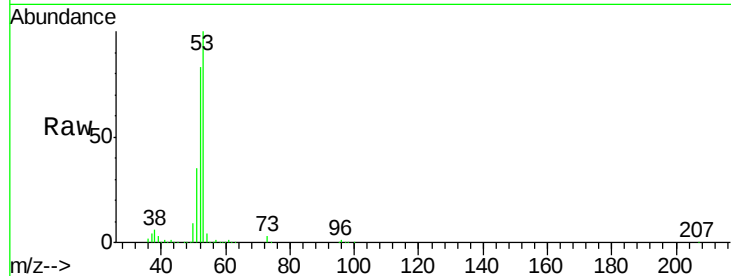
51 35.2 27.4 41.2

Manual Integrations

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#16

Acetone

Concen: 594.129 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062973.D

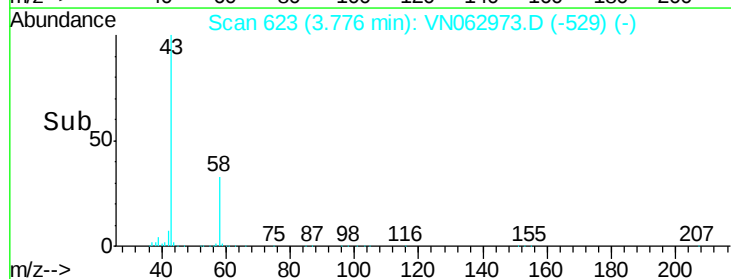
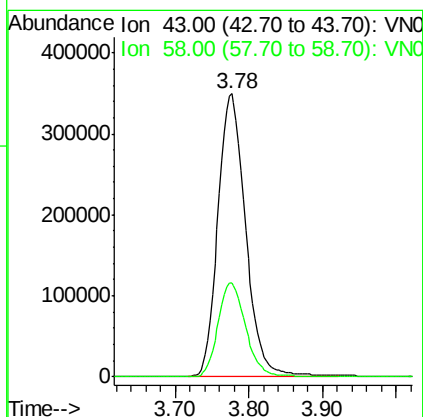
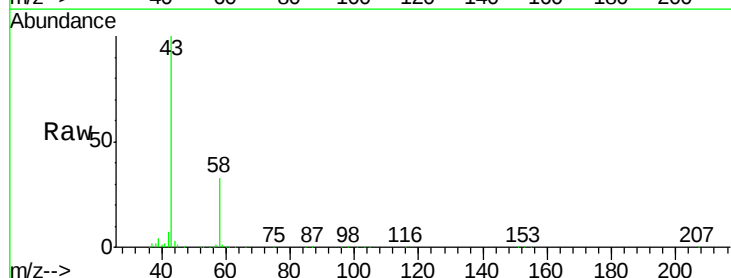
Acq: 17 Aug 2020 15:26

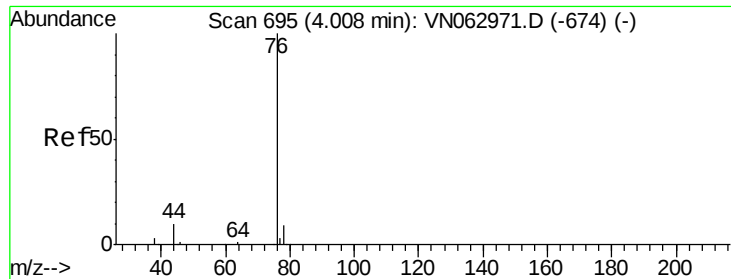
Tgt Ion: 43 Resp: 902097

Ion Ratio Lower Upper

43 100

58 33.3 28.7 43.1





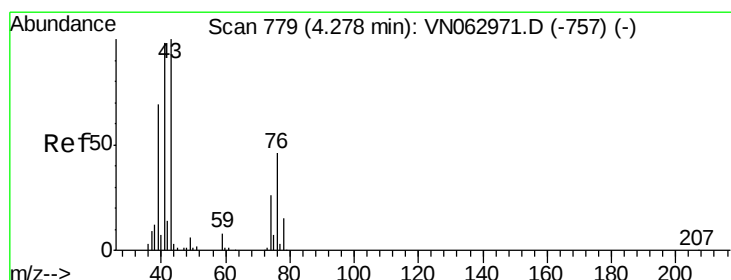
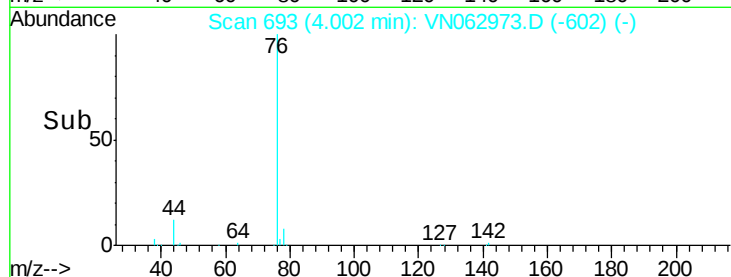
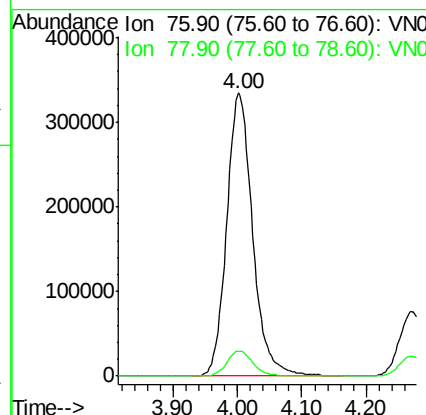
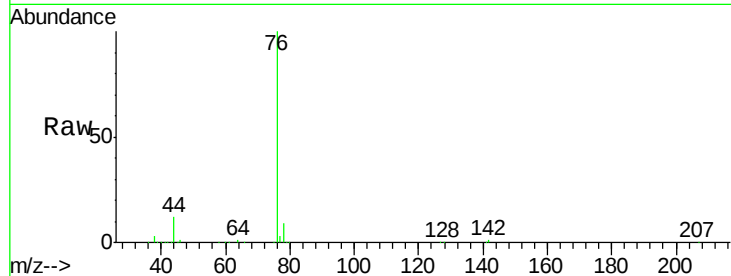
#17
Carbon Disulfide
Concen: 125.583 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

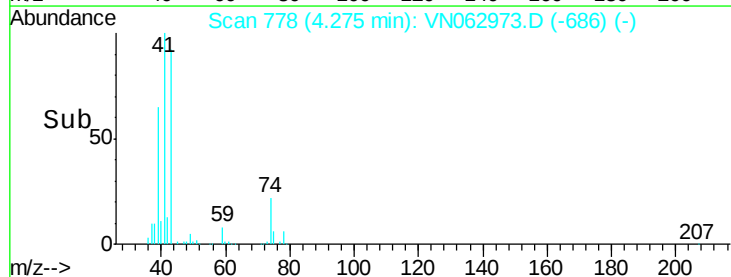
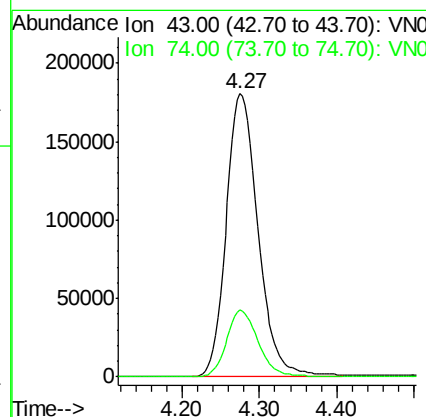
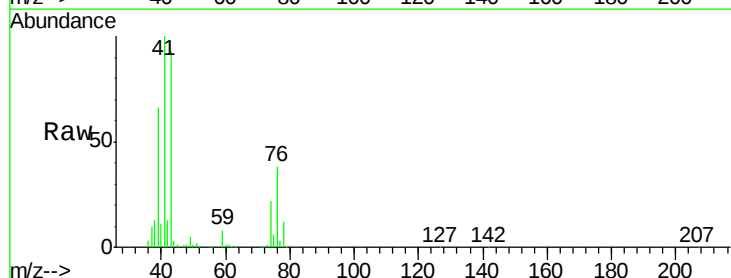
Manual Integrations
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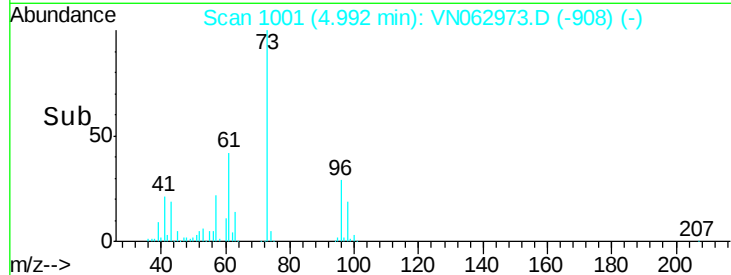
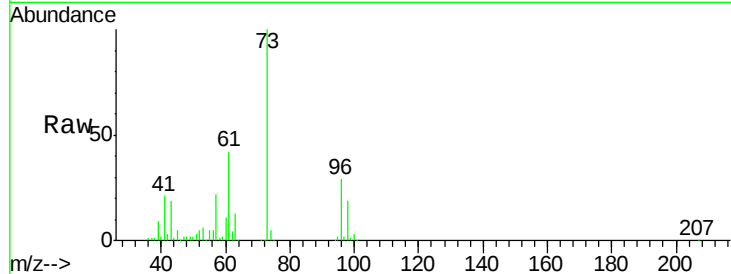
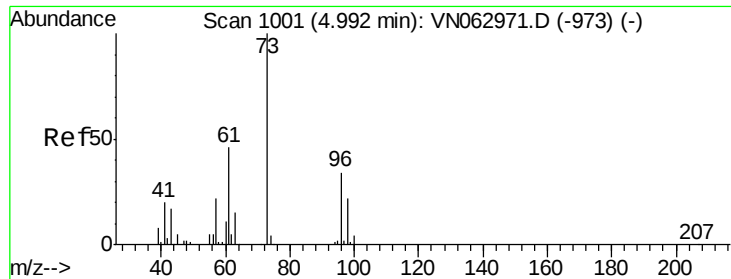
MMDadoda
8/18/2020 11:12:57 AM



#18
Methyl Acetate
Concen: 125.103 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	21.6	32.4





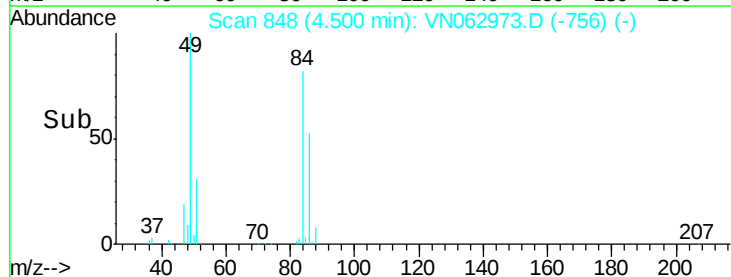
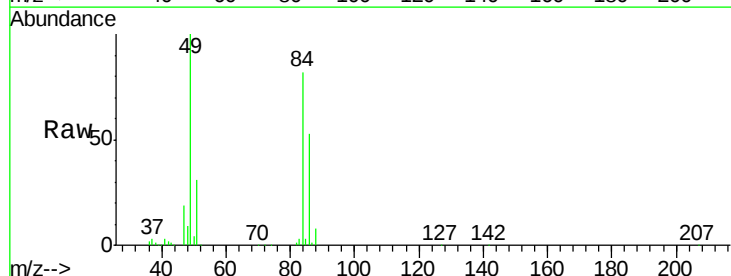
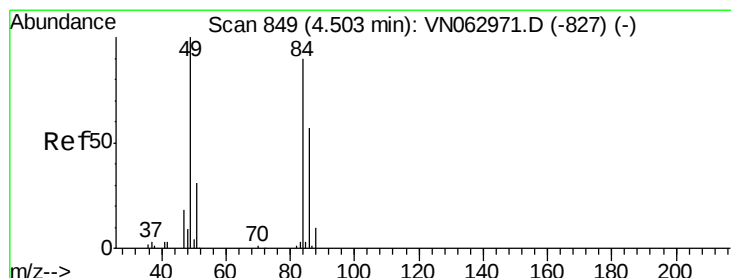
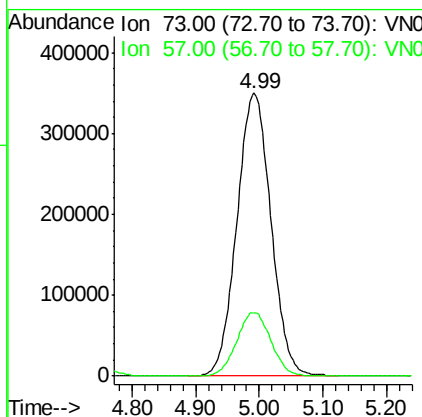
#19
Methvl tert-butvl Ether
Concen: 130.644 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tot Ion: 73 Resp: 1303053
Ion Ratio Lower Upper
73 100
57 22.4 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

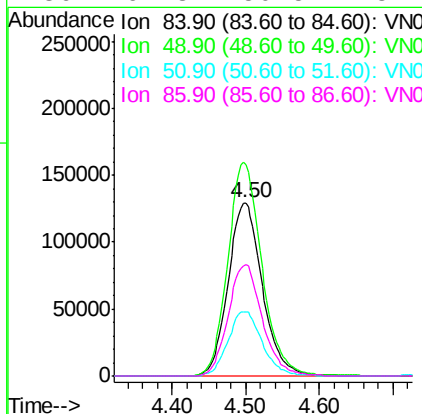
Manual Integrations
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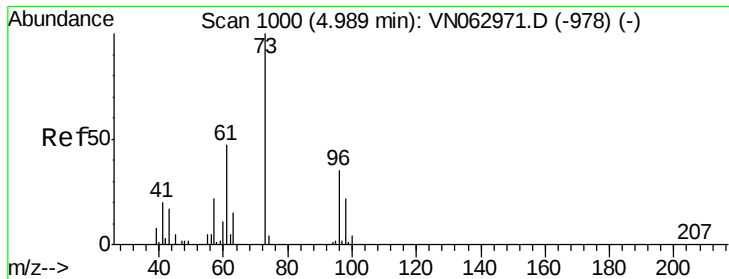
MMDadoda
8/18/2020 11:12:57 AM



#20
Methylene Chloride
Concen: 129.034 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion: 84 Resp: 417523
Ion Ratio Lower Upper
84 100
49 121.7 88.8 133.2
51 37.2 27.1 40.7
86 64.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 136.059 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

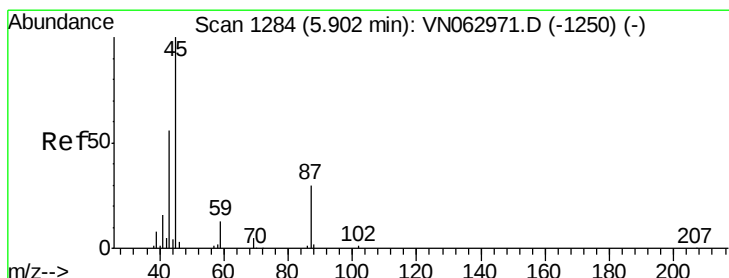
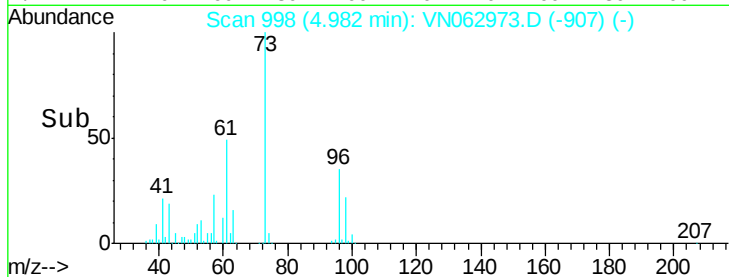
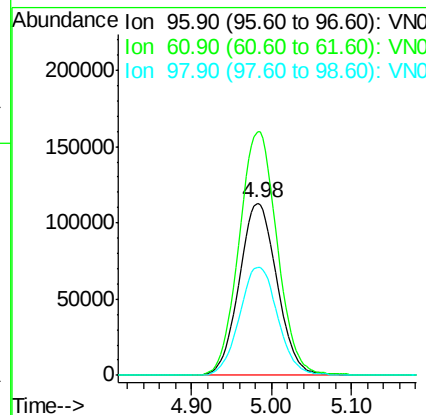
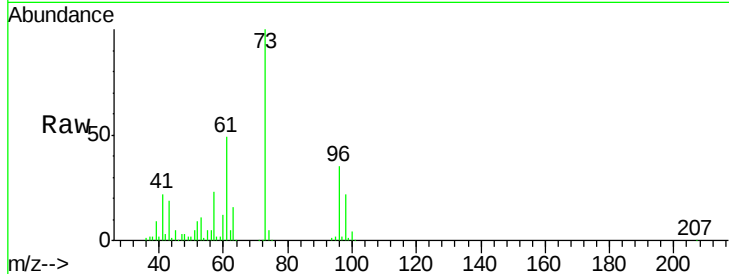
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	362258
Ion	Ratio	Lower	Upper
96	100		
61	141.4	107.7	161.5
98	62.9	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 147.418 ug/l

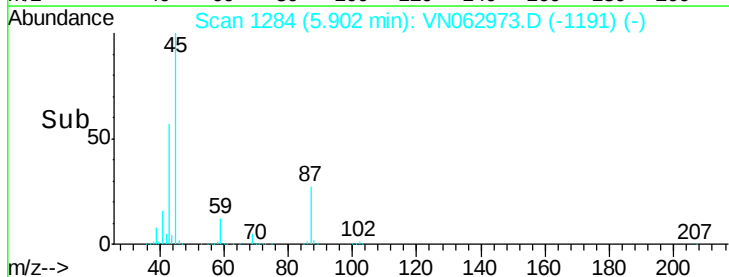
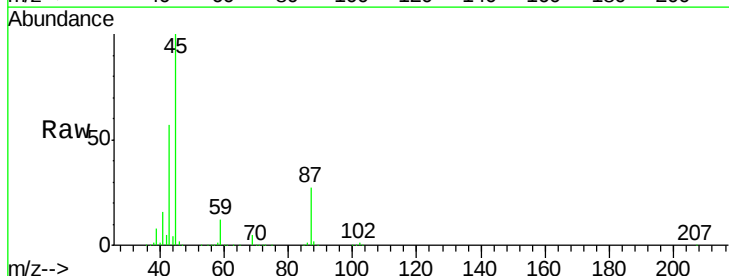
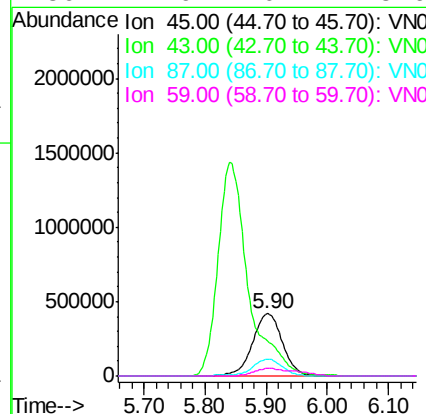
RT: 5.90 min Scan# 1284

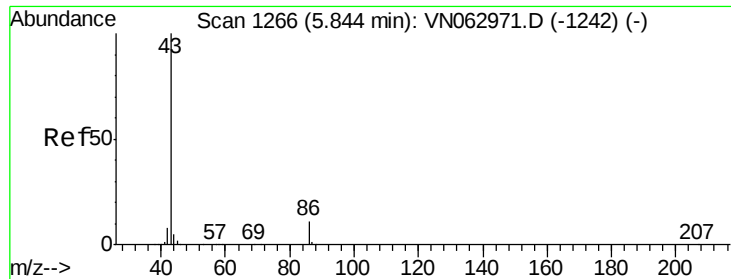
Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	45	Resp:	1424982
Ion	Ratio	Lower	Upper
45	100		
43	55.8	47.1	70.7
87	27.0	24.3	36.5
59	11.9	10.4	15.6





#23

Vinyl Acetate

Concen: 678.386 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4959186

Ion Ratio Lower Upper

43 100

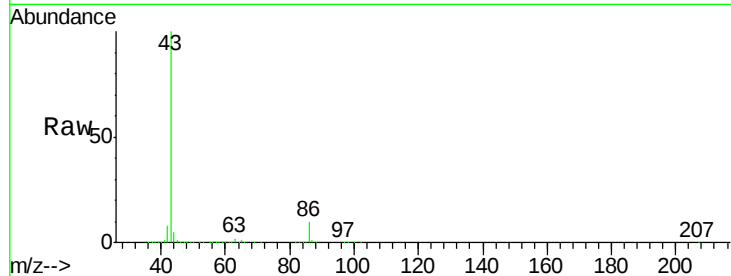
86 10.4 9.1 13.7

Manual Integrations

APPROVED

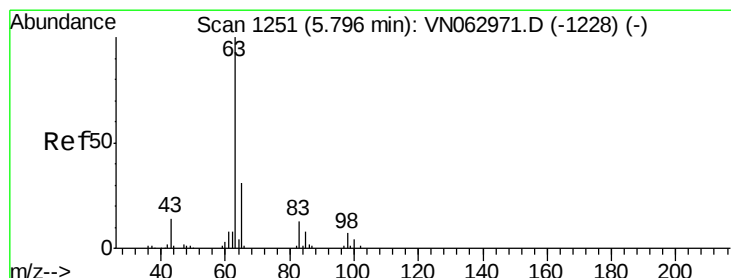
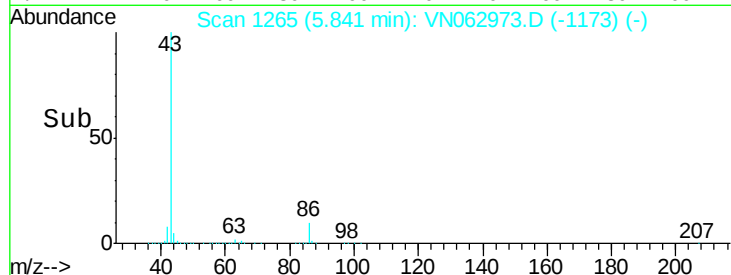
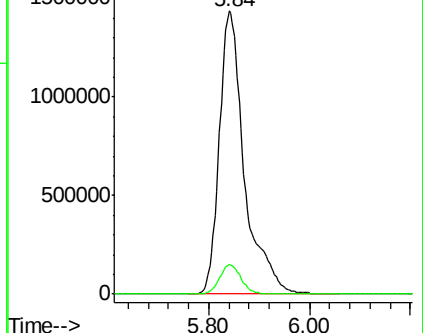
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN062973.D (-1242) (-)

Ion 86.00 (85.70 to 86.70): VN062973.D (-1242) (-)



#24

1,1-Dichloroethane

Concen: 130.072 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

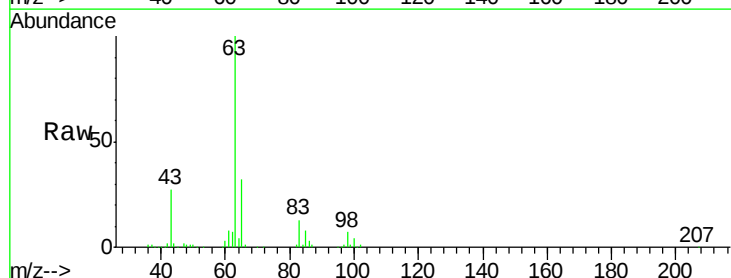
Tgt Ion: 63 Resp: 741178

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

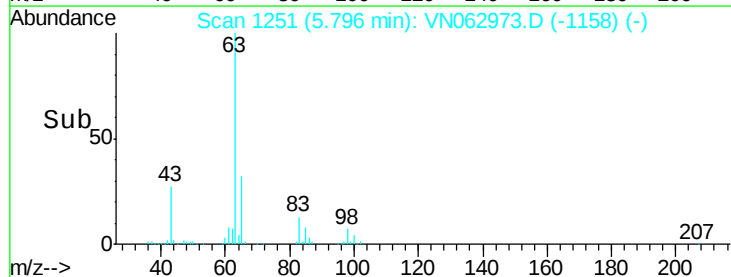
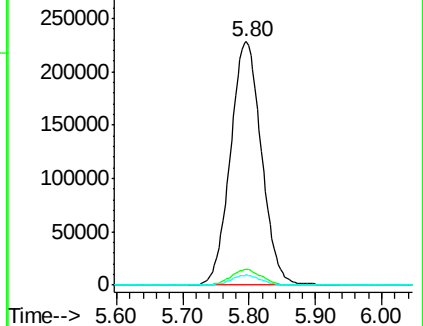
100 4.1 2.0 6.0

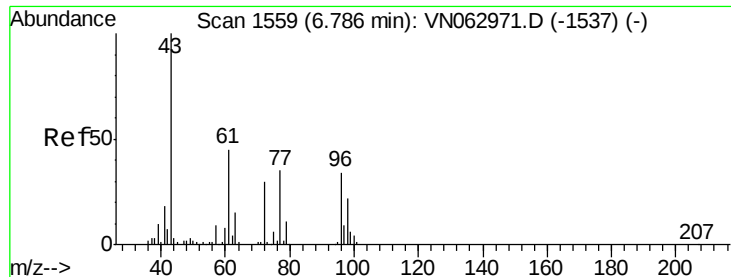


Abundance Ion 62.90 (62.60 to 63.60): VN062973.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062973.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062973.D (-1228) (-)





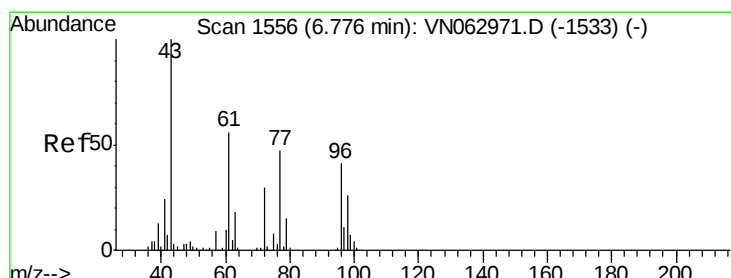
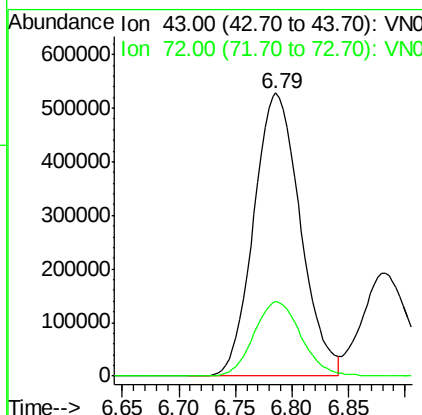
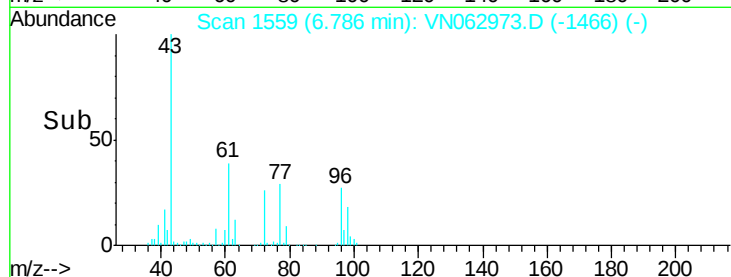
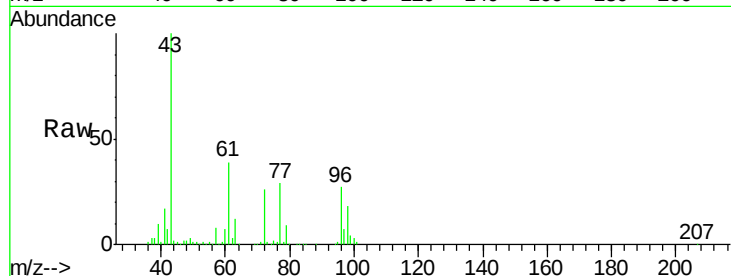
#25
2-Butanone
Concen: 704.150 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1506503
Ion Ratio Lower Upper
43 100
72 26.4 23.9 35.9

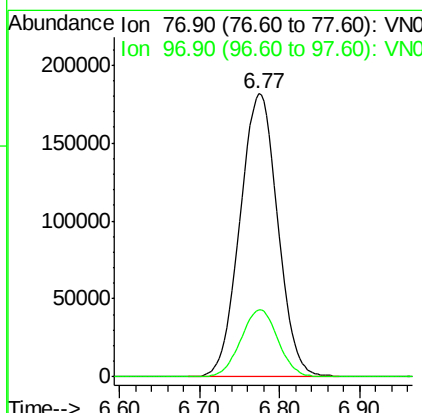
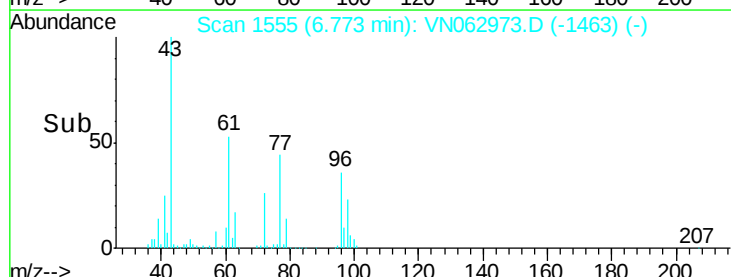
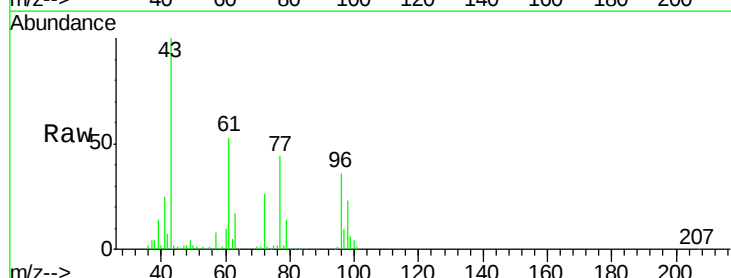
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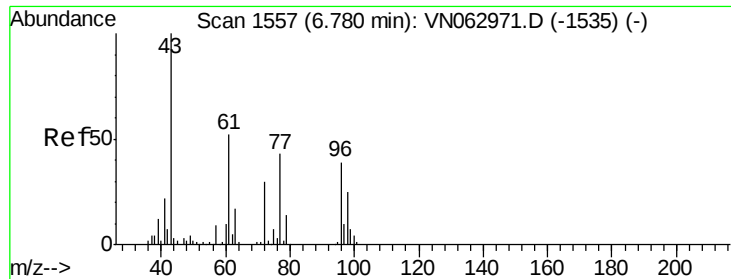
MMDadoda
8/18/2020 11:12:57 AM



#26
2,2-Dichloropropane
Concen: 113.515 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion: 77 Resp: 582929
Ion Ratio Lower Upper
77 100
97 23.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 141.188 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

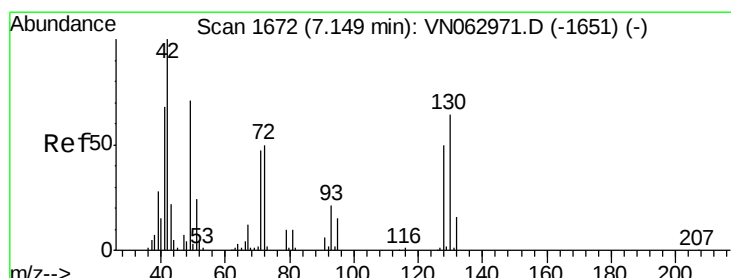
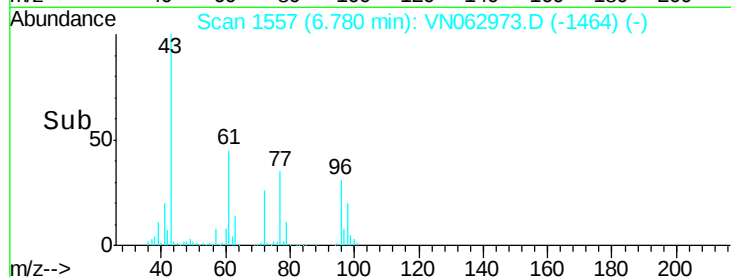
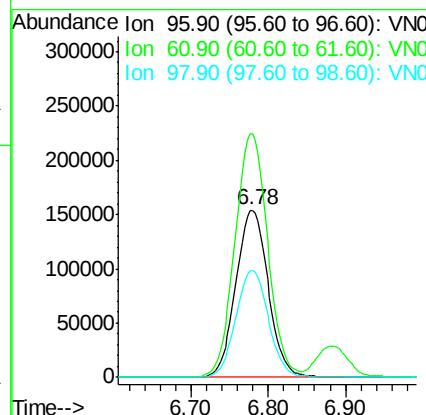
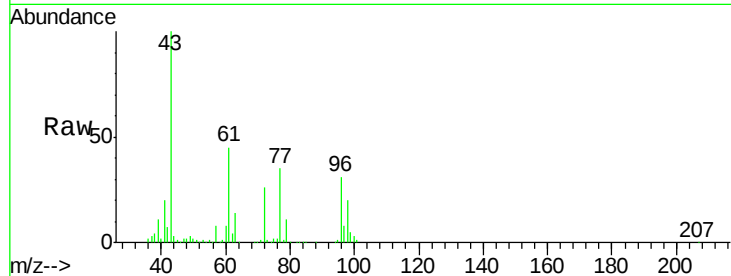
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	448677
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	270.4
98	64.4	0.0	128.2

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#28

Bromochloromethane

Concen: 144.513 ug/l

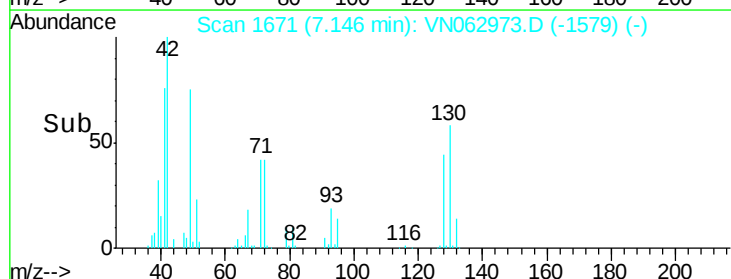
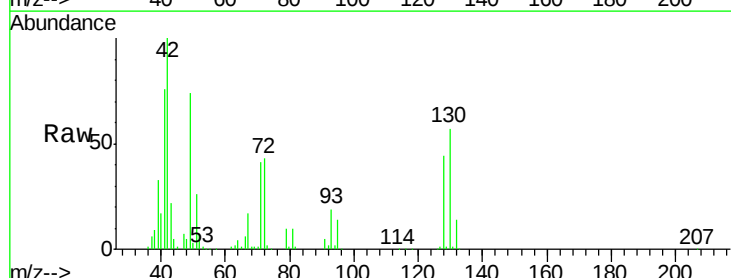
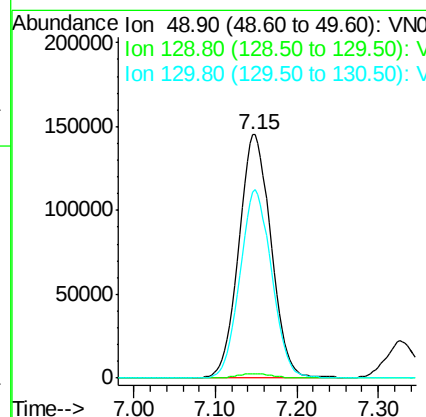
RT: 7.15 min Scan# 1671

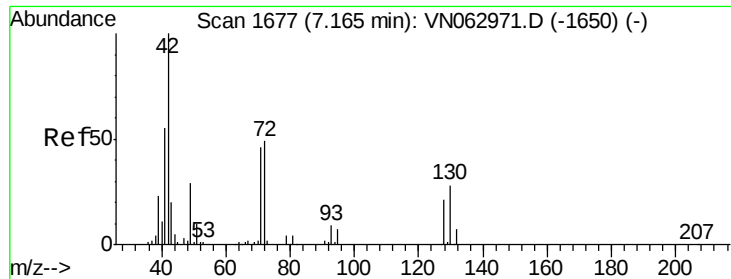
Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	49	Resp:	398199
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	76.0	73.5	110.3





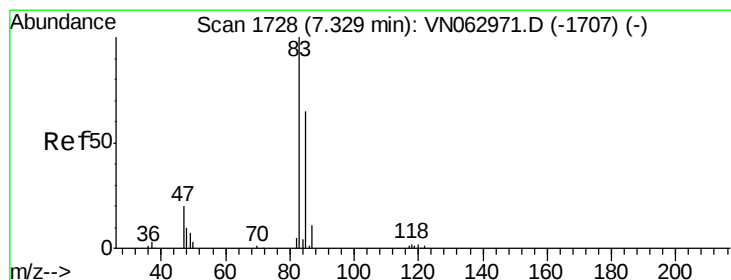
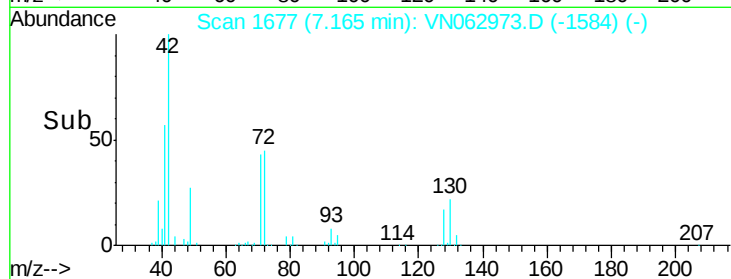
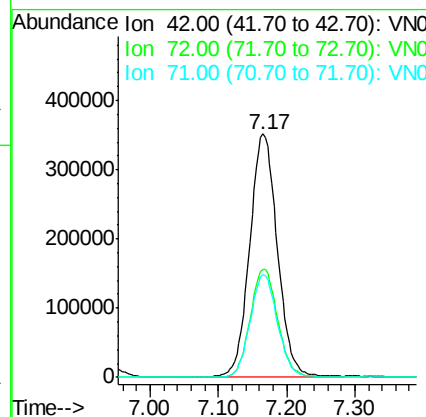
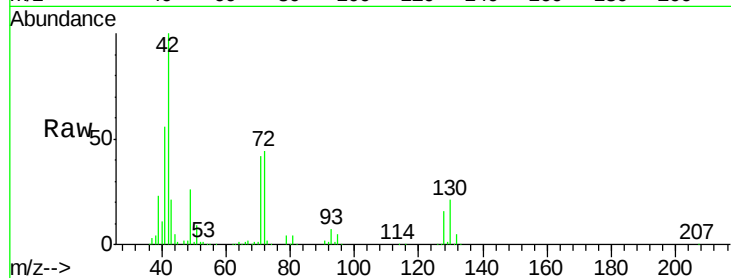
#29
Tetrahydrofuran
Concen: 712.612 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	42	Resp:	992752
Ion Ratio	Lower	Upper	
42	100		
72	44.2	39.4	59.2
71	41.6	37.2	55.8

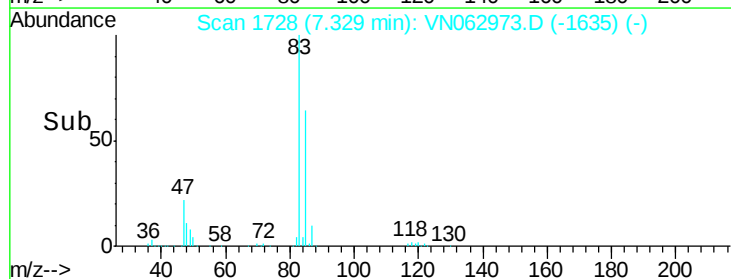
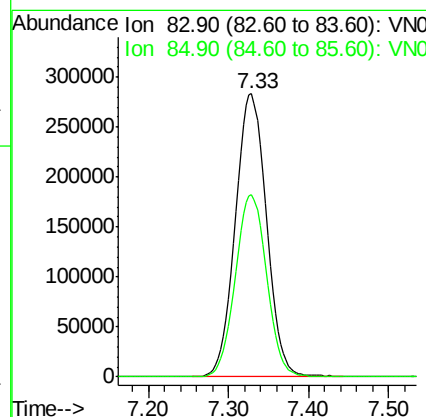
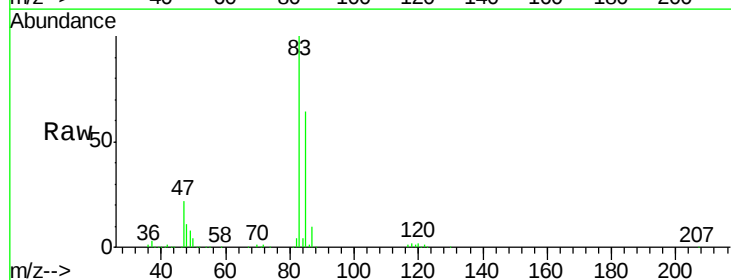
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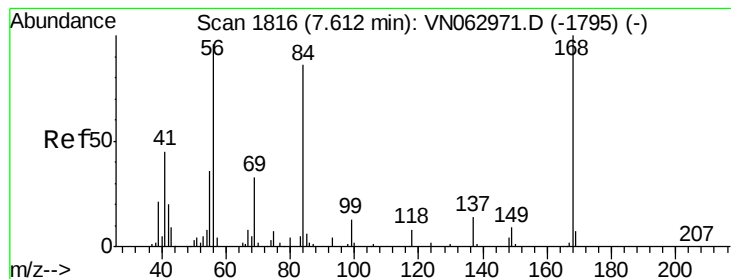
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#30
Chloroform
Concen: 124.732 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion:	83	Resp:	749021
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4





#31

Cyclohexane

Concen: 144.163 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

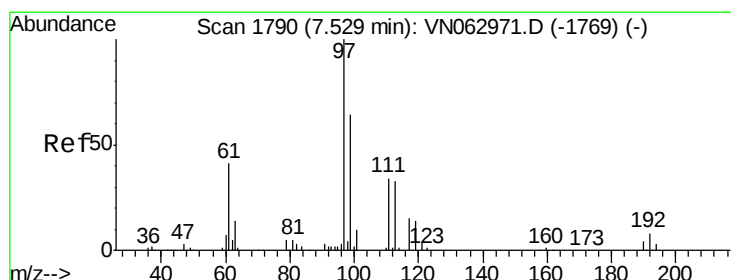
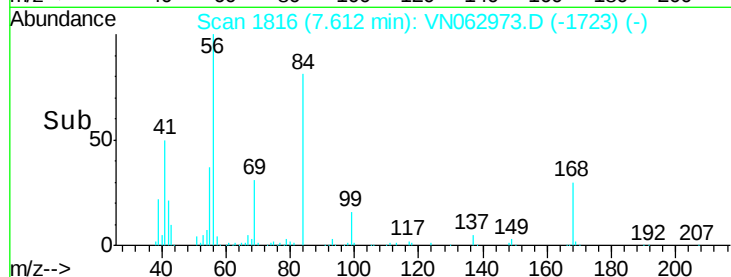
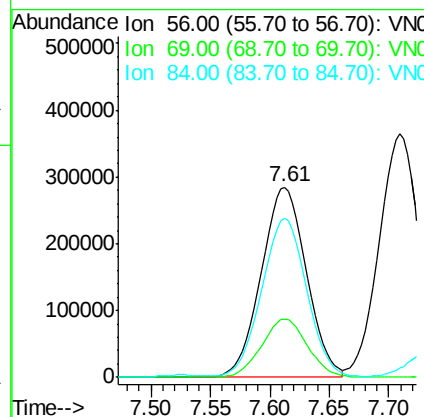
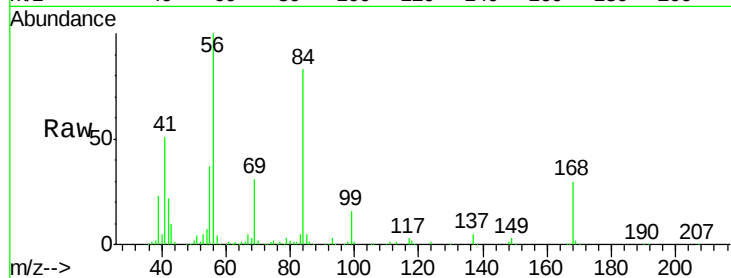
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	748943
Ion Ratio	Lower	Upper	
56	100		
69	30.8	27.4	41.2
84	82.4	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 117.059 ug/l

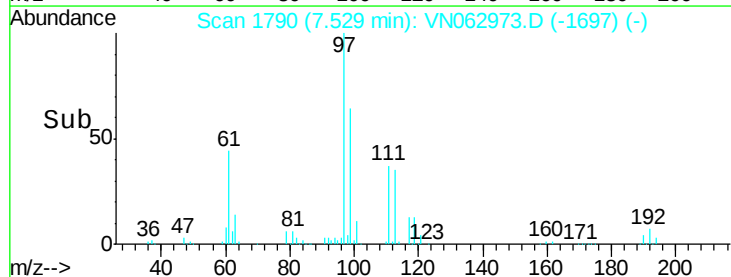
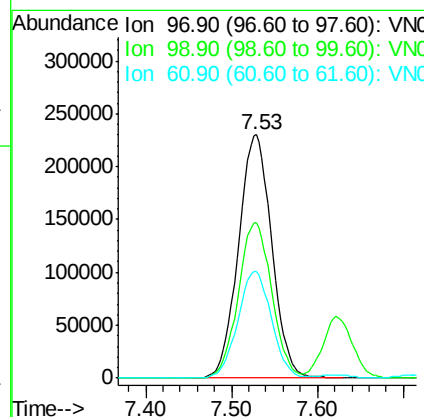
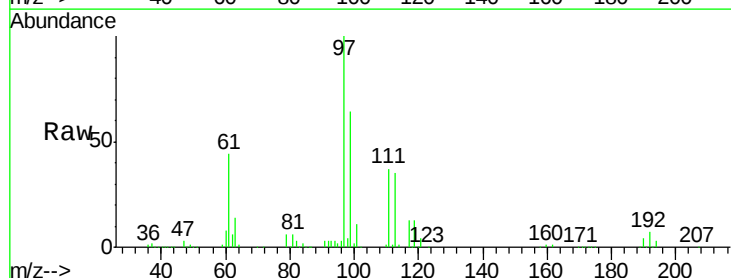
RT: 7.53 min Scan# 1790

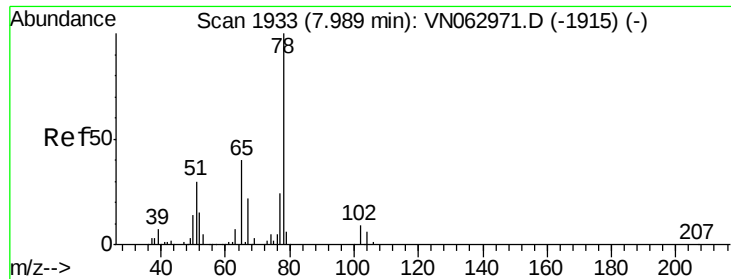
Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	97	Resp:	619985
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.2	78.4
61	44.1	33.5	50.3





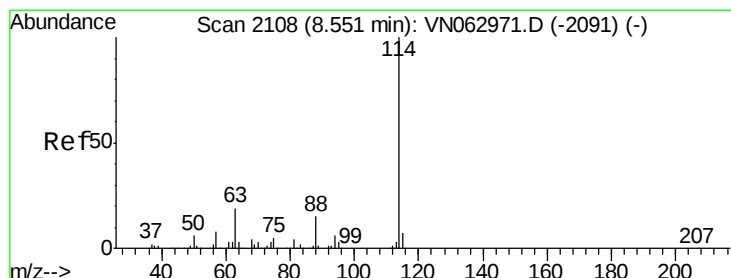
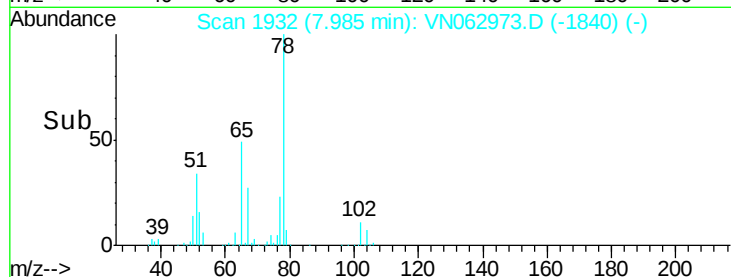
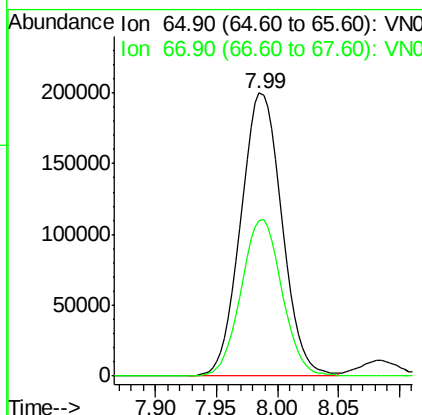
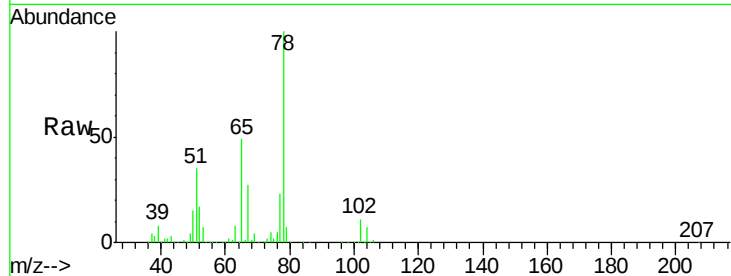
#33
 1,2-Dichloroethane-d4
 Concen: 112.695 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	467108		
67	55.2	0.0	108.6	

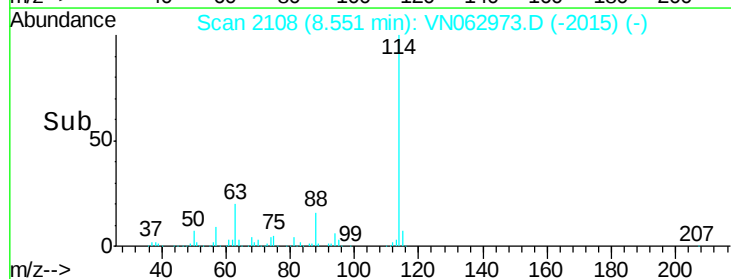
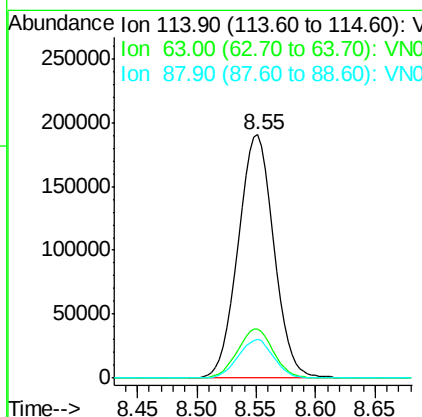
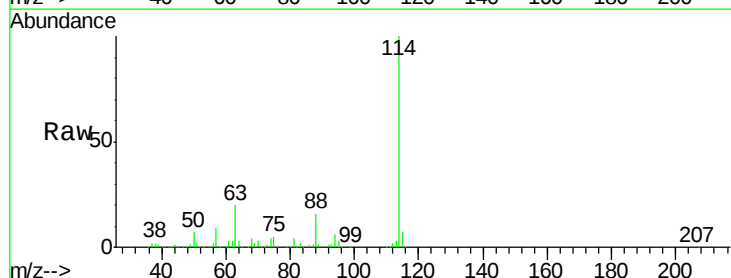
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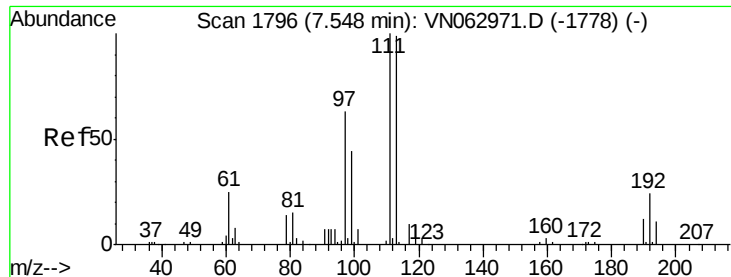
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	396894		
63	20.2	0.0	37.6	
88	15.8	0.0	31.0	





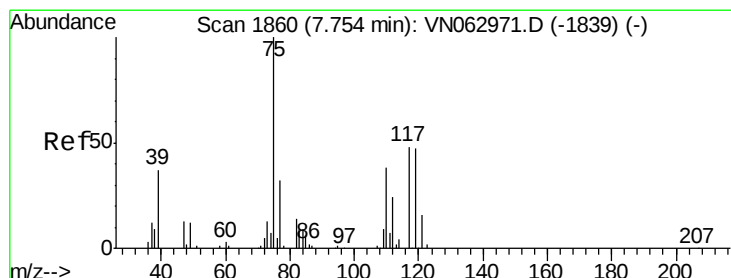
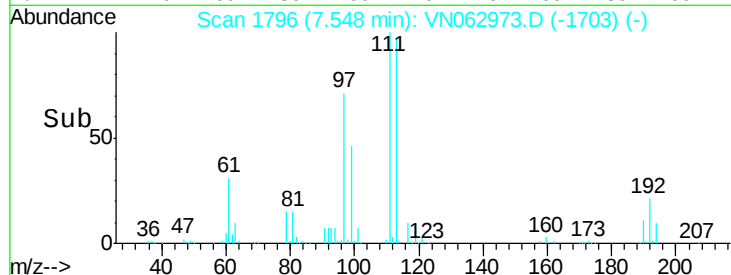
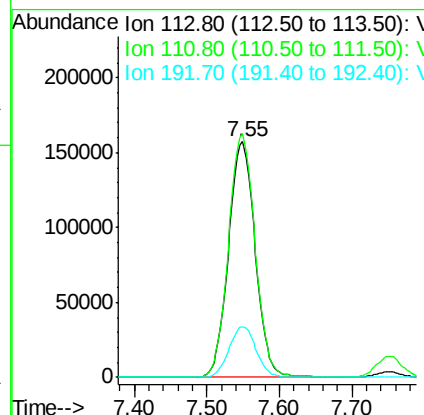
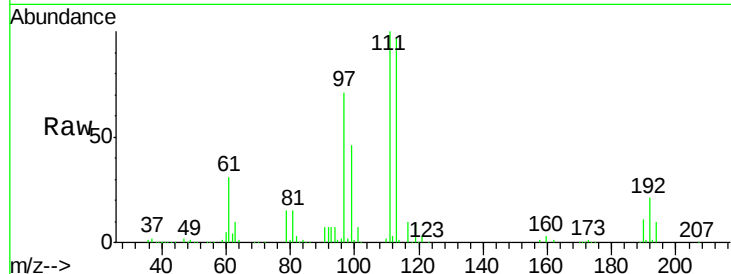
#35
Dibromofluoromethane
Concen: 150.454 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	404440		
111	103.0	81.4	122.0	
192	21.9	19.2	28.8	

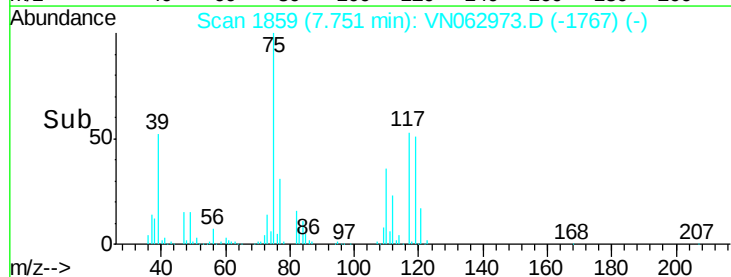
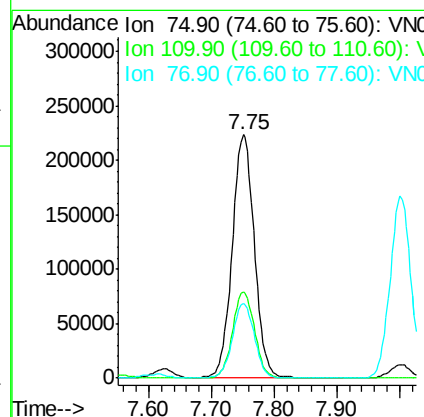
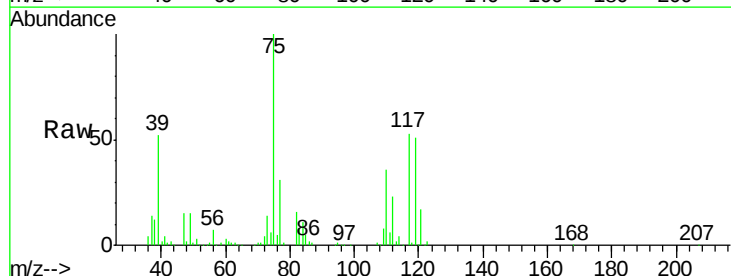
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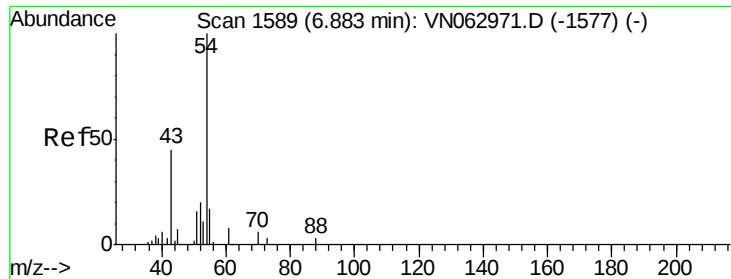
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#36
1,1-Dichloropropene
Concen: 144.770 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	544535		
110	35.3	18.7	56.1	
77	30.8	25.6	38.4	





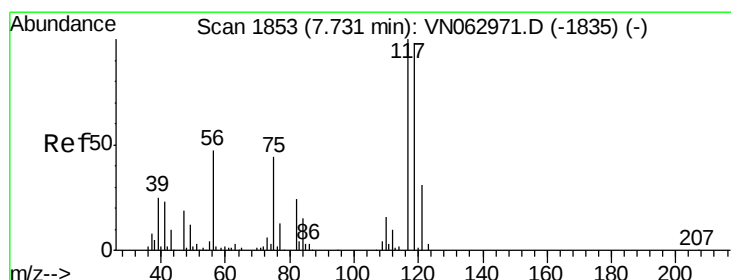
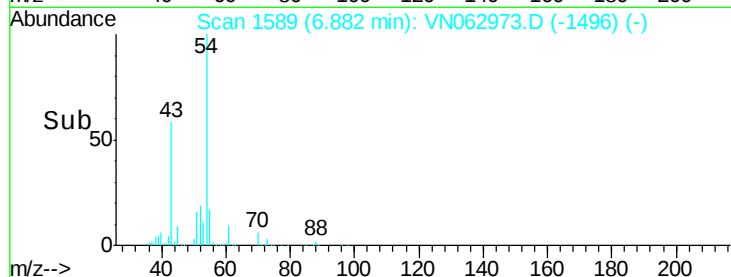
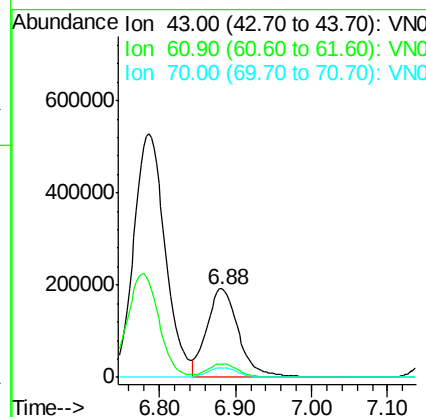
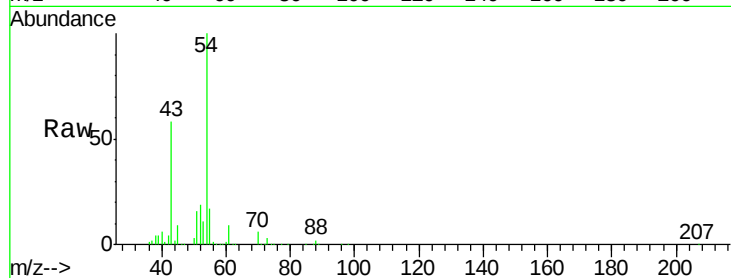
#37
Ethyl Acetate
Concen: 143.710 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.4	18.6
70	10.6	9.9	14.9

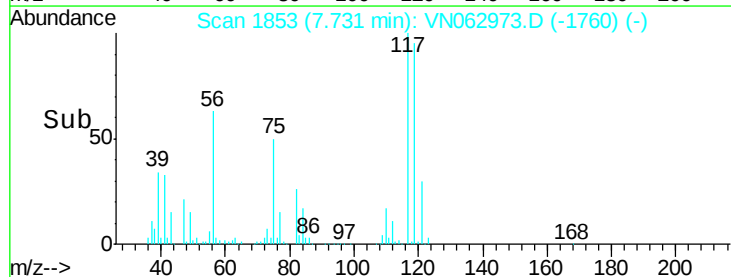
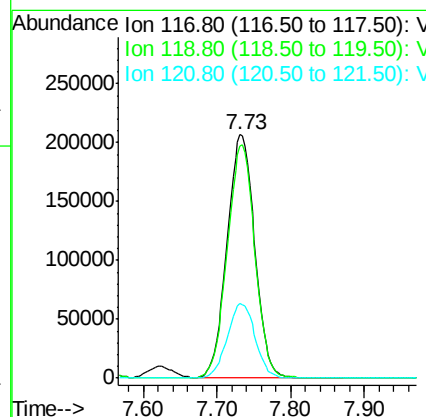
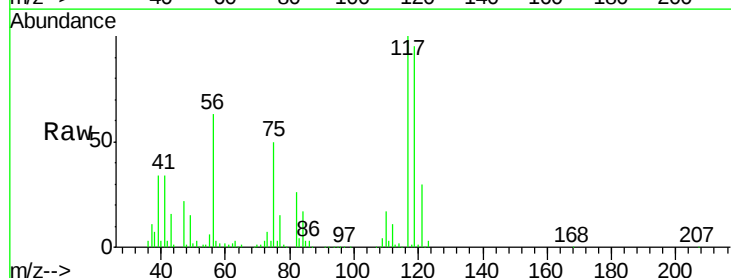
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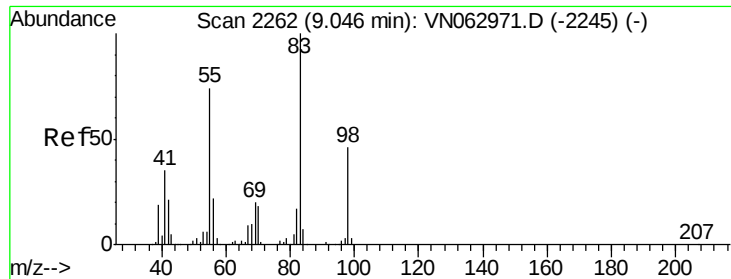
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#38
Carbon Tetrachloride
Concen: 121.007 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.9	116.9
121	30.5	24.8	37.2





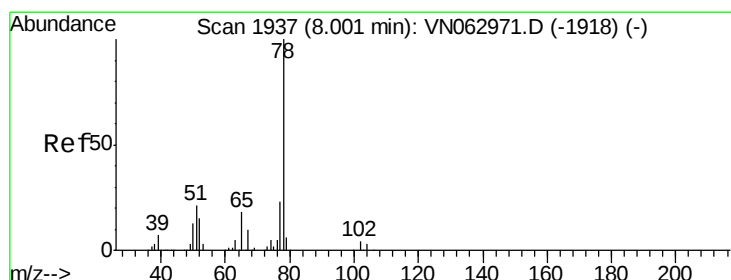
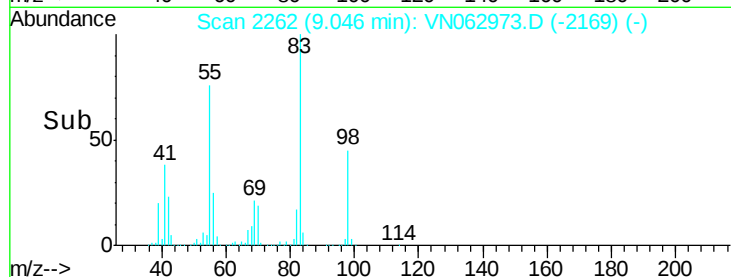
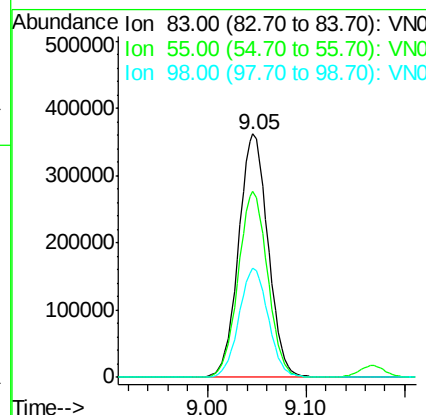
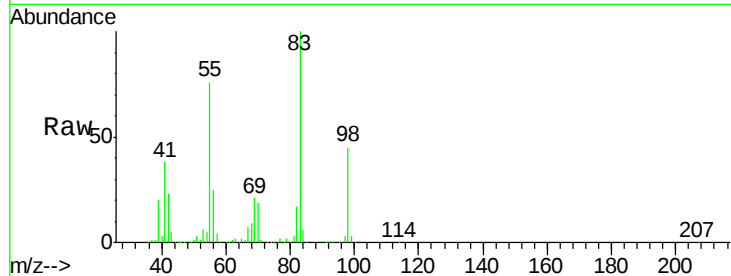
#39
Methvlcvclohexane
Concen: 162.108 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.3	59.0	88.6	
98	44.8	36.8	55.2	

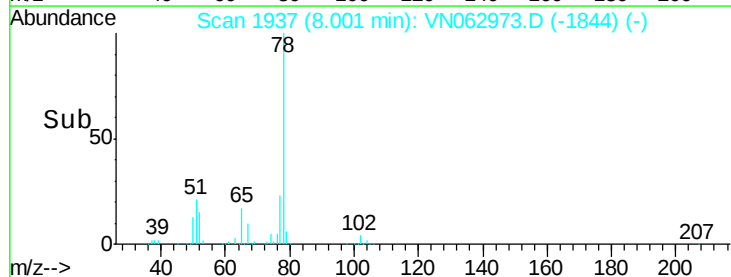
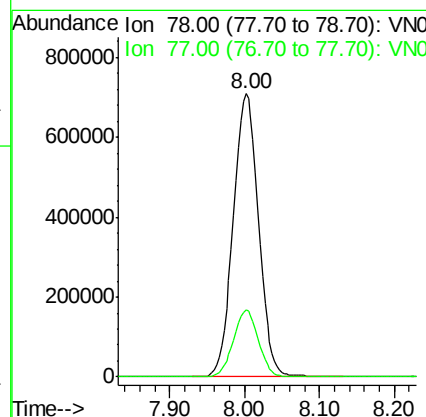
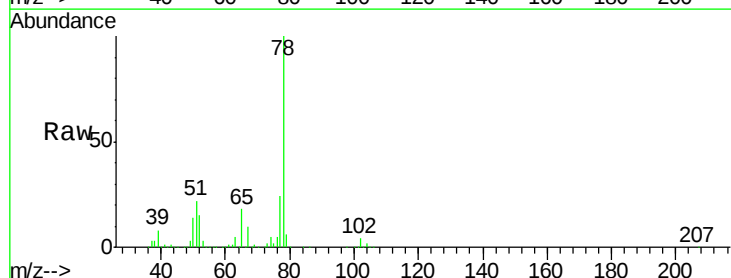
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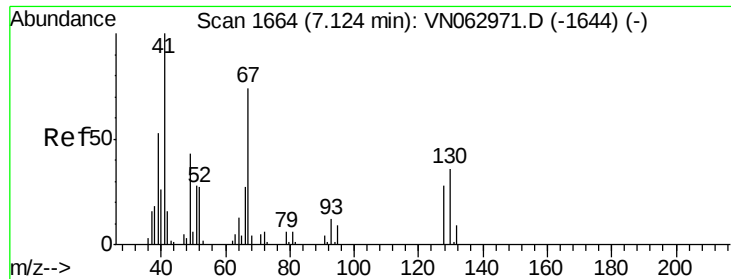
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#40
Benzene
Concen: 146.020 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.6	27.8	





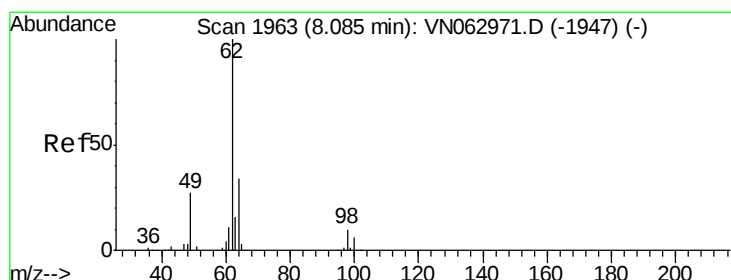
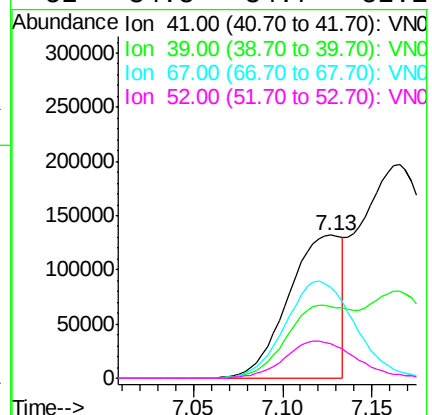
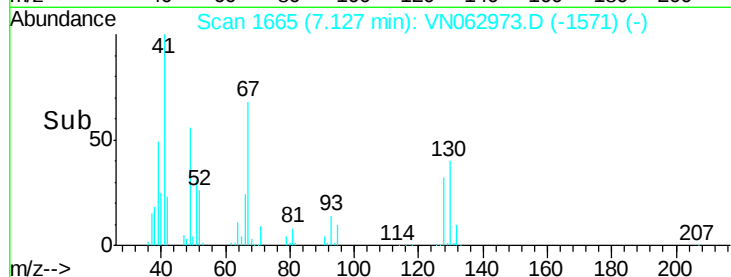
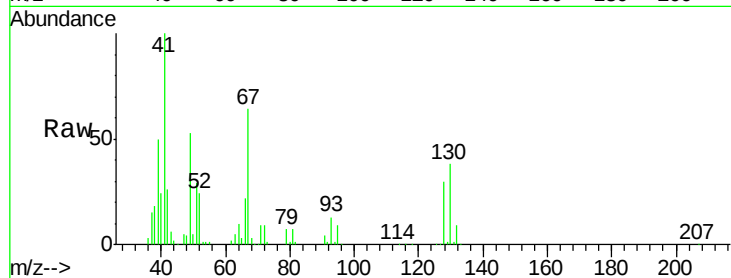
#41
Methacrylonitrile
Concen: 160.723 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.8	58.6	88.0
67	89.7	90.1	135.1#
52	34.8	34.7	52.1

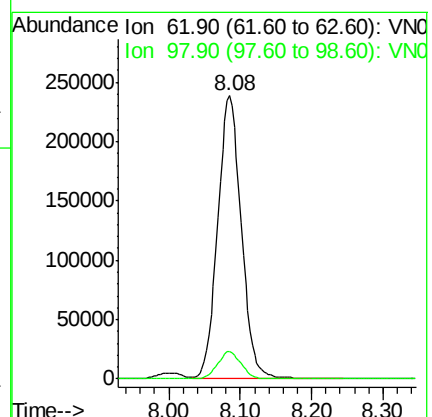
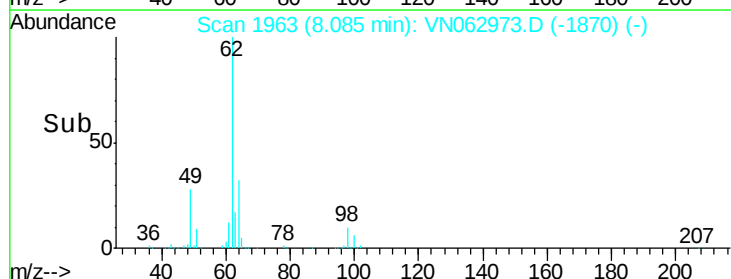
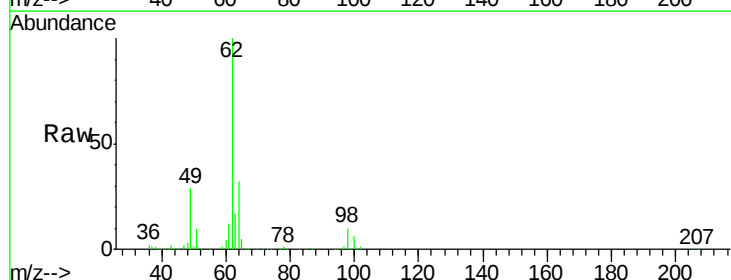
Manual Integrations
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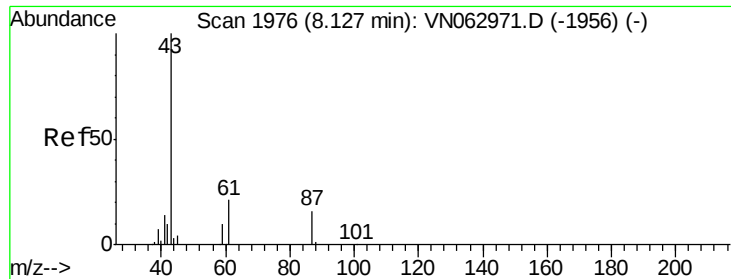
MMDadoda
8/18/2020 11:12:57 AM



#42
1,2-Dichloroethane
Concen: 117.032 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.8





#43

Isopropyl Acetate

Concen: 139.368 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

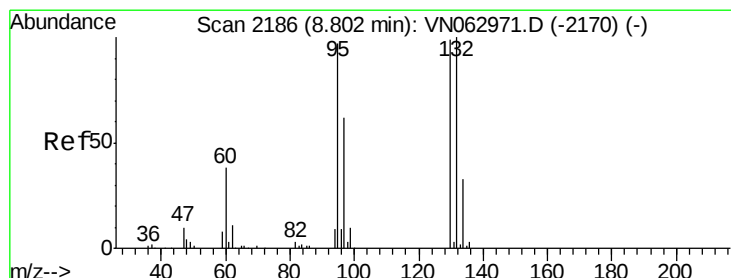
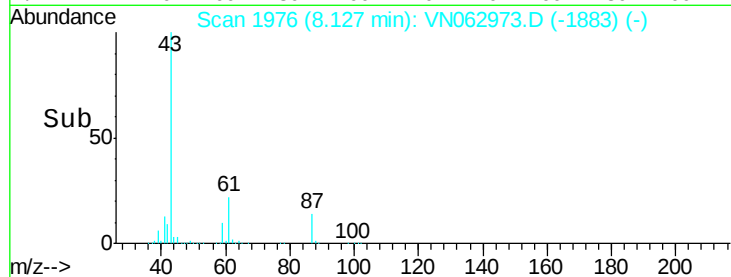
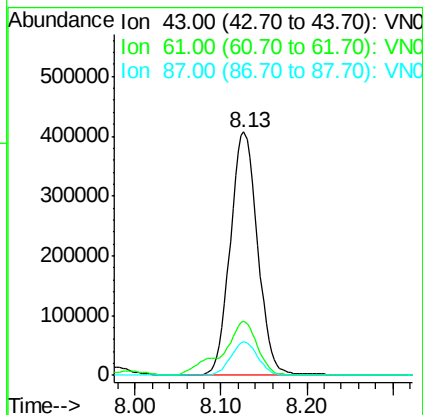
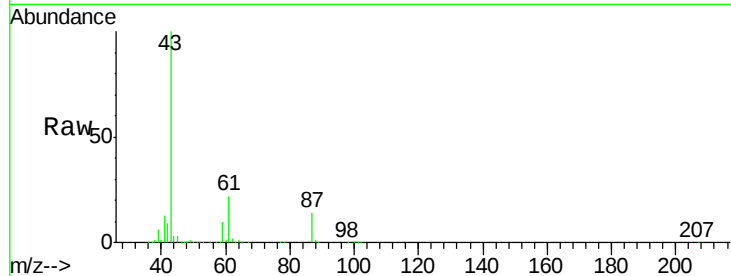
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	895755
Ion	Ratio	Lower	Upper
43	100		
61	22.2	24.6	36.8#
87	13.7	12.4	18.6

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#44

Trichloroethene

Concen: 147.539 ug/l

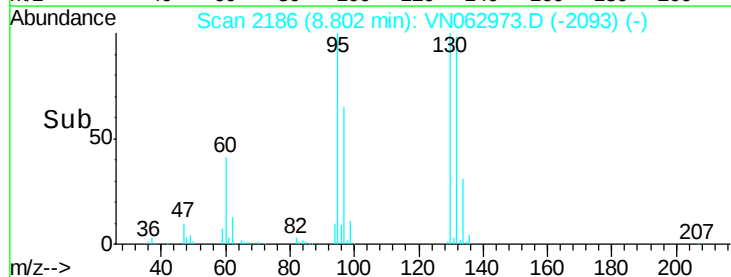
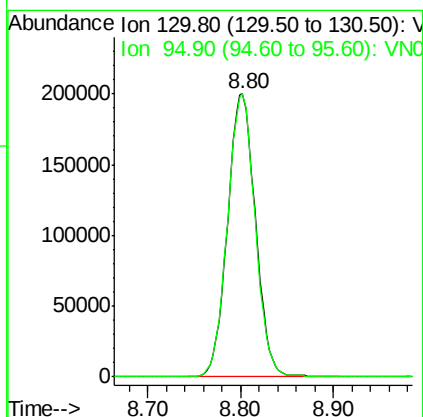
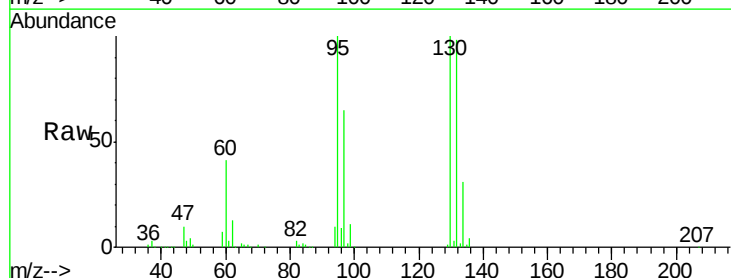
RT: 8.80 min Scan# 2186

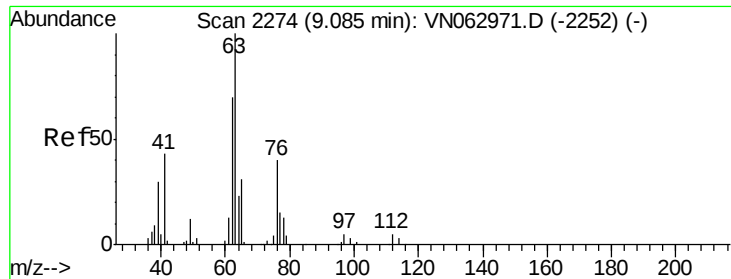
Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	130	Resp:	417465
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	194.2





#45

1,2-Dichloropropane

Concen: 152.800 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 468611

Ion Ratio Lower Upper

63 100

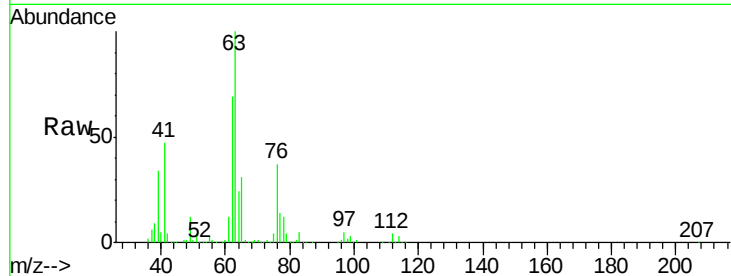
65 31.3 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

250000

200000

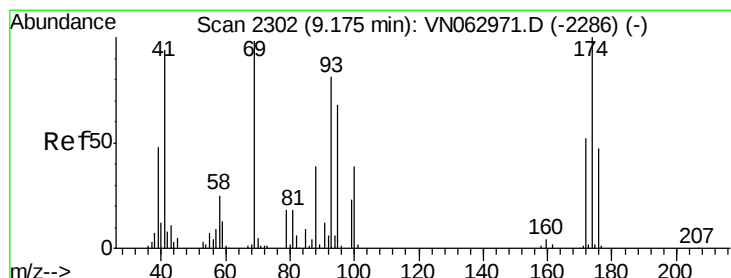
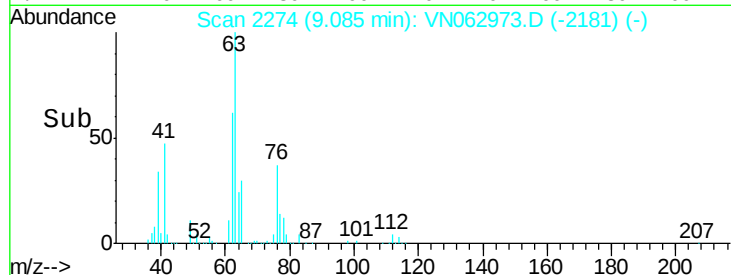
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 141.574 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

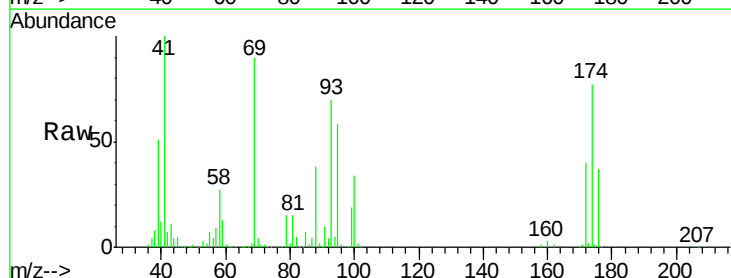
Tgt Ion: 93 Resp: 284774

Ion Ratio Lower Upper

93 100

95 84.0 66.6 99.8

174 109.8 96.6 145.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

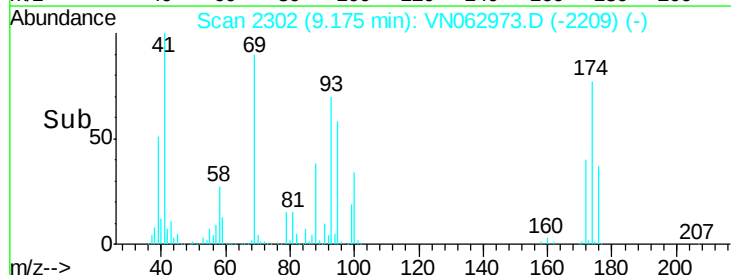
150000

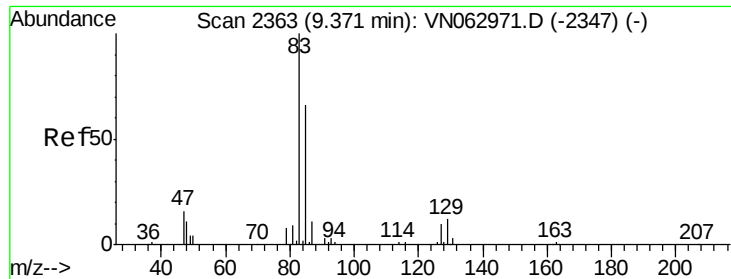
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 136.121 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

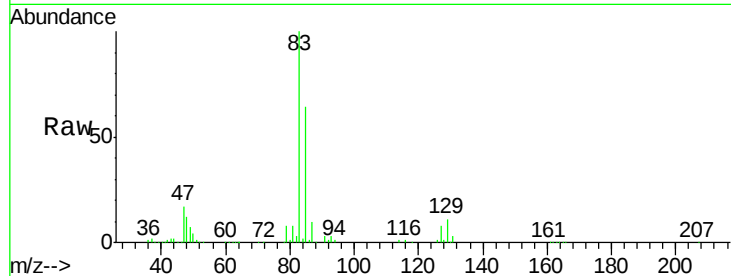
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	605088
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6
127	8.4	7.8	11.6

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Abundance Ion 82.90 (82.60 to 83.60): VN062973.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062973.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062973.D (-2270) (-)

9.37

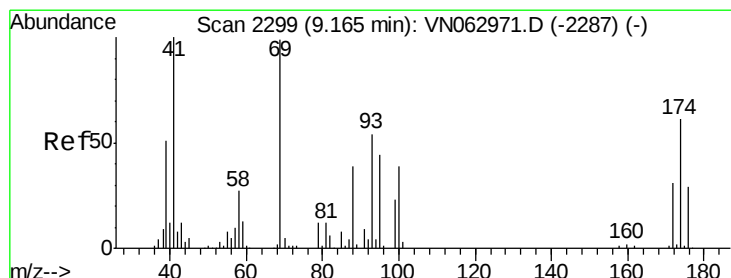
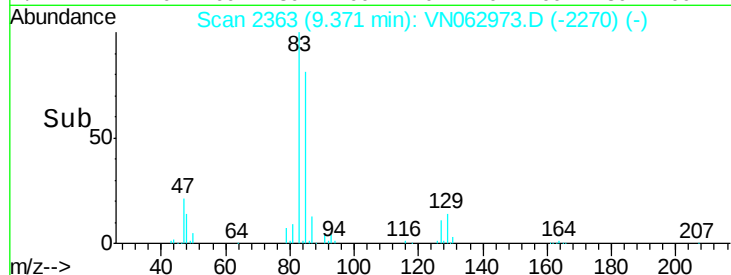
300000

200000

100000

0

Time-->



#48

Methyl methacrylate

Concen: 142.512 ug/l

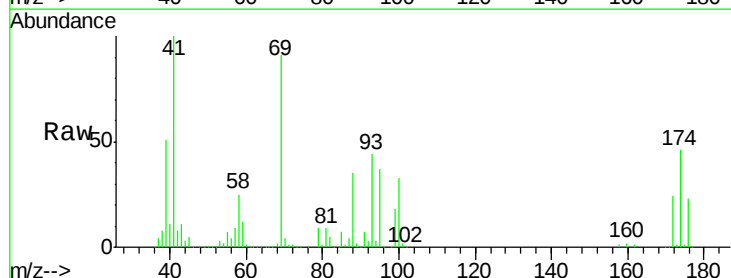
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Tgt Ion:	41	Resp:	449083
Ion	Ratio	Lower	Upper
41	100		
69	92.9	81.1	121.7
39	50.5	42.4	63.6



Abundance Ion 41.00 (40.70 to 41.70): VN062973.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062973.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062973.D (-2206) (-)

9.17

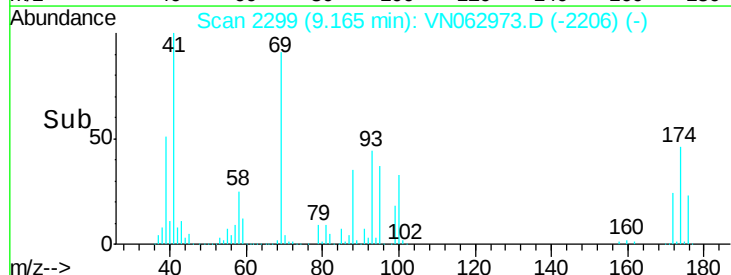
300000

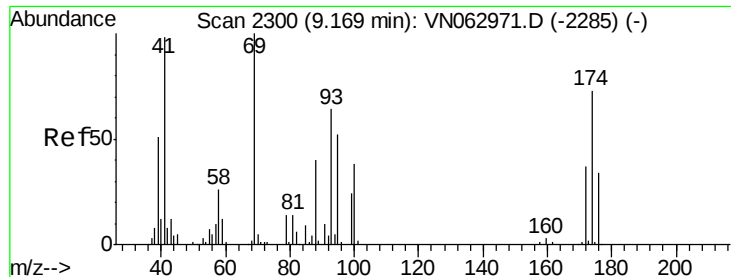
200000

100000

0

Time-->





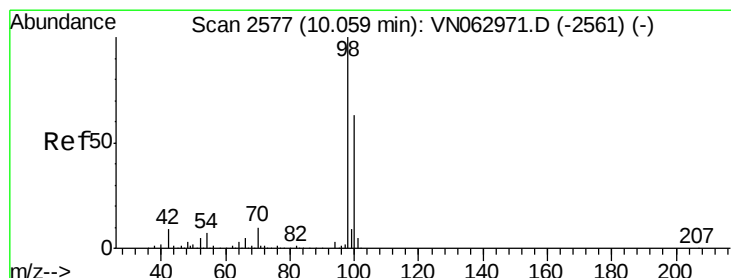
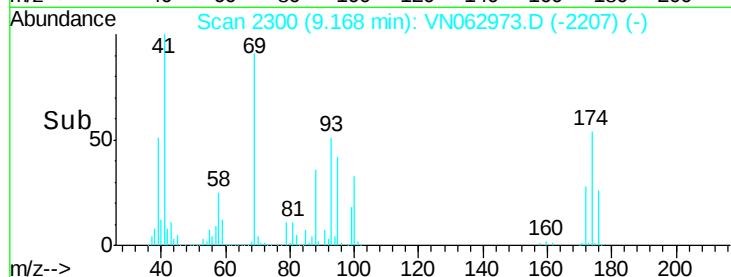
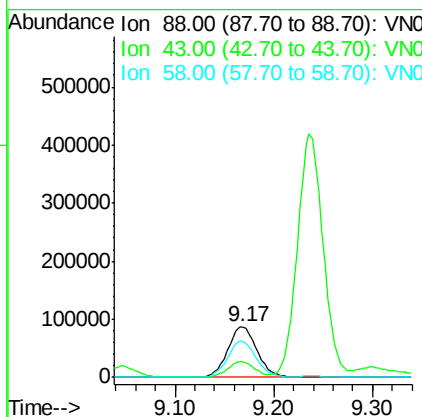
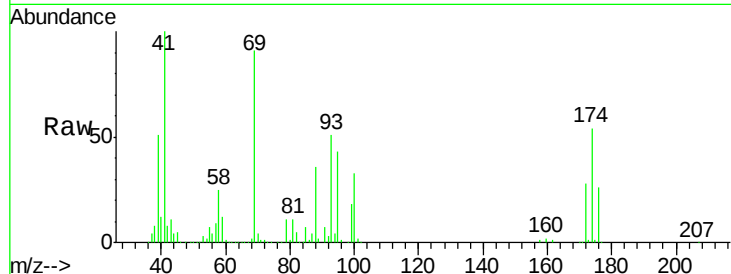
#49
1,4-Dioxane
Concen: 3058.555 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	180814		
43	28.8	23.1	34.7	
58	70.2	53.1	79.7	

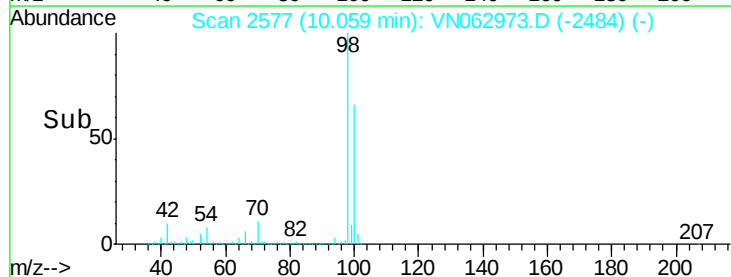
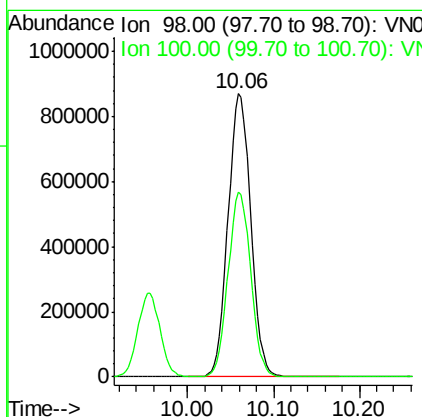
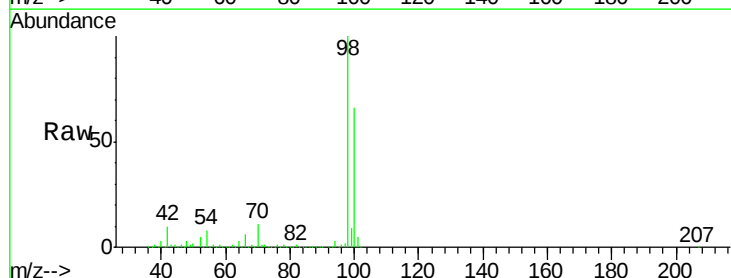
Manual Integrations
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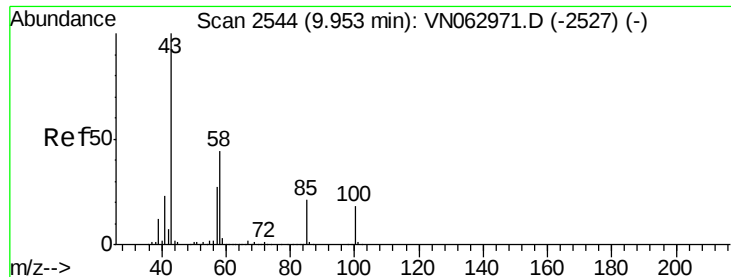
MMDadoda
8/18/2020 11:12:57 AM



#50
Toluene-d8
Concen: 151.981 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1596778		
100	65.3	51.0	76.4	





#51

4-Methyl-2-Pentanone

Concen: 730.643 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3033222

Ion Ratio Lower Upper

43 100

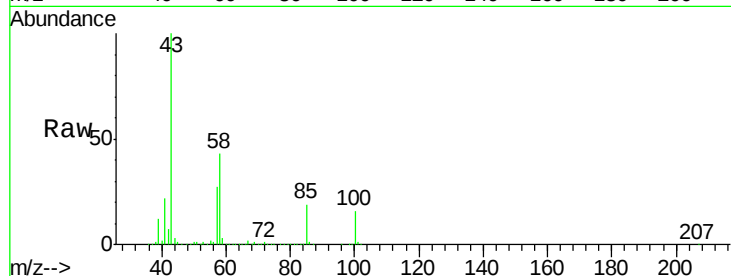
58 42.3 34.3 51.5

Manual Integrations

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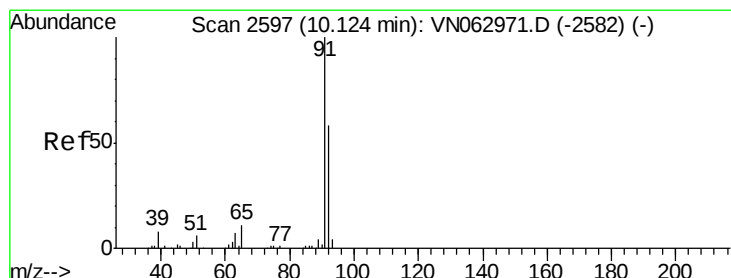
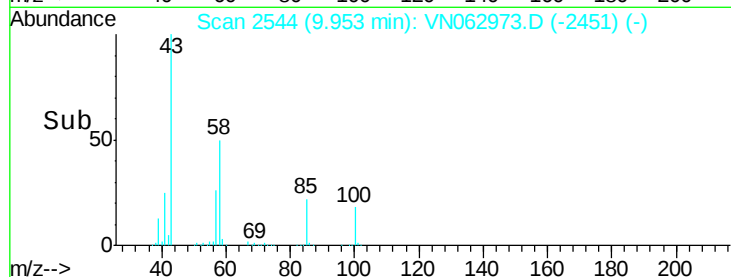
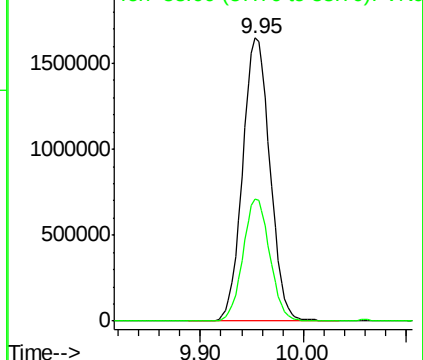
MMDadoda

8/18/2020 11:12:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 152.500 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062973.D

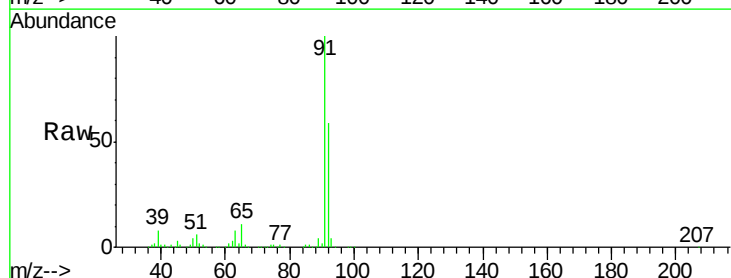
Acq: 17 Aug 2020 15:26

Tgt Ion: 92 Resp: 1077496

Ion Ratio Lower Upper

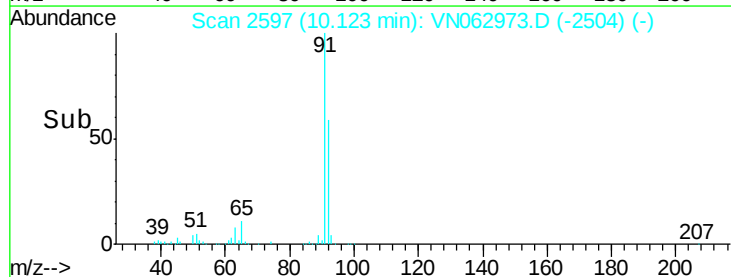
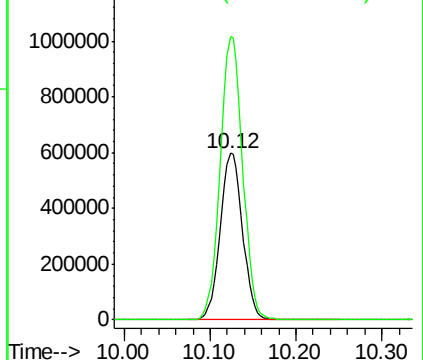
92 100

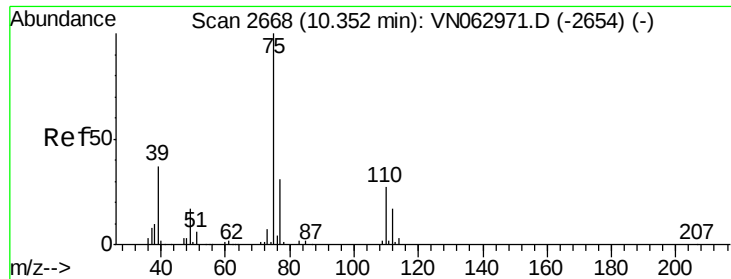
91 171.6 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





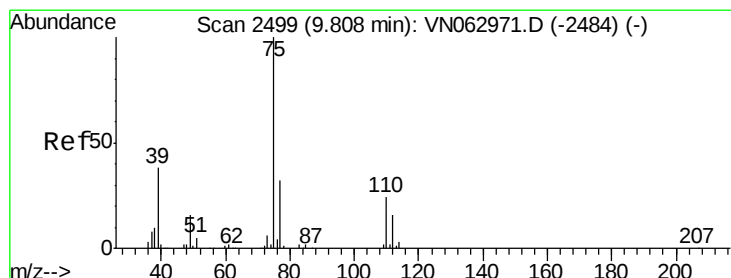
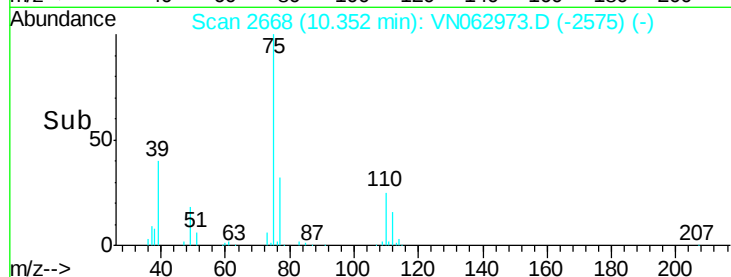
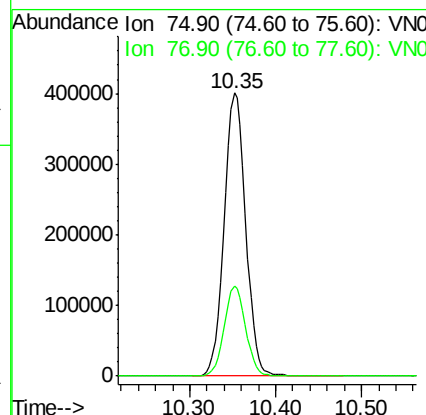
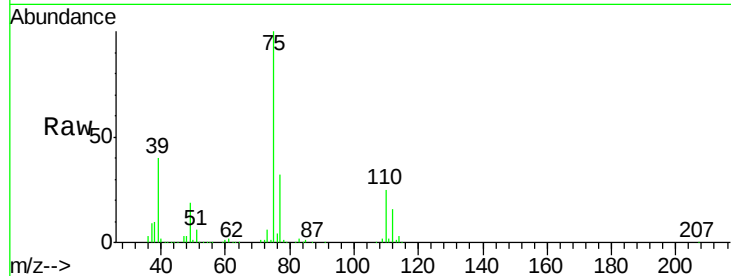
#53
t-1,3-Dichloropropene
Concen: 143.447 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

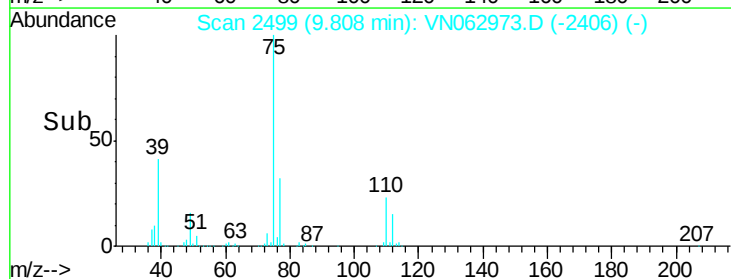
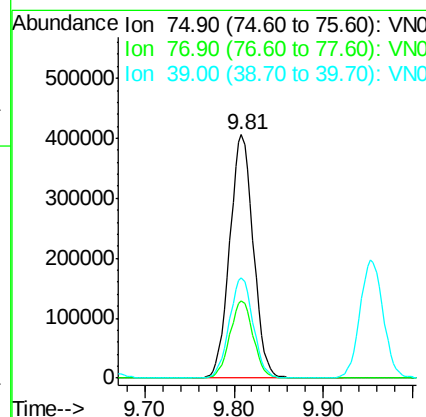
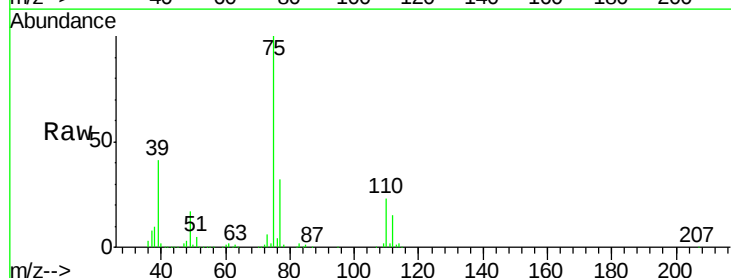
Manual Integrations
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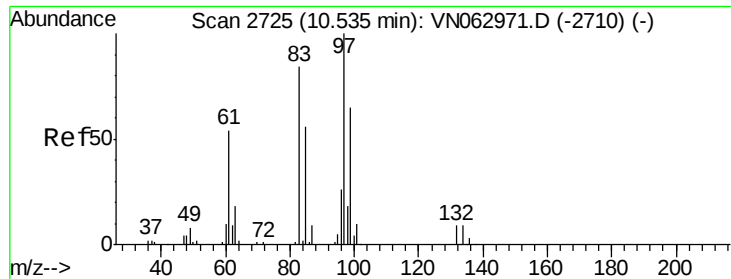
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#54
cis-1,3-Dichloropropene
Concen: 149.710 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2
39	41.1	30.6	46.0





#55

1,1,2-Trichloroethane

Concen: 146.214 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 97 Resp: 442416

Ion Ratio Lower Upper

97 100

83 88.7 67.0 100.4

85 57.7 44.4 66.6

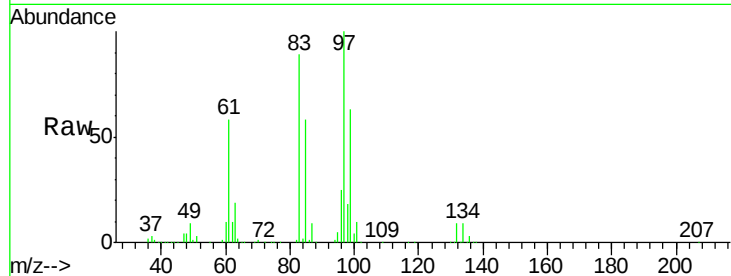
99 62.4 51.9 77.9

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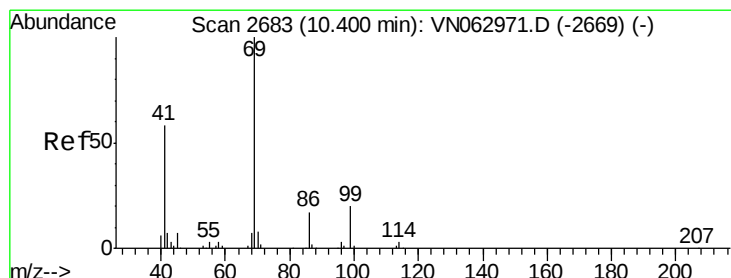
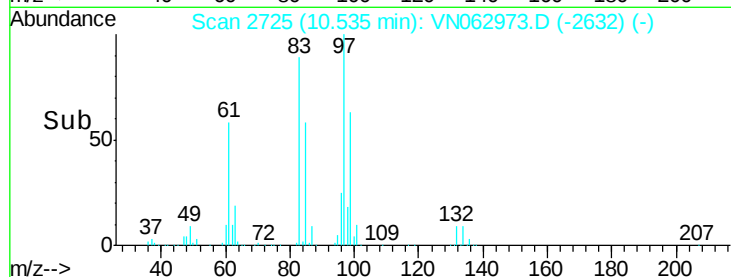
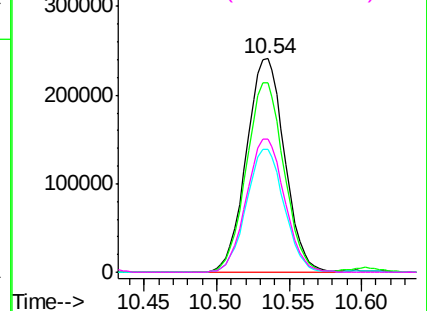


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 167.518 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

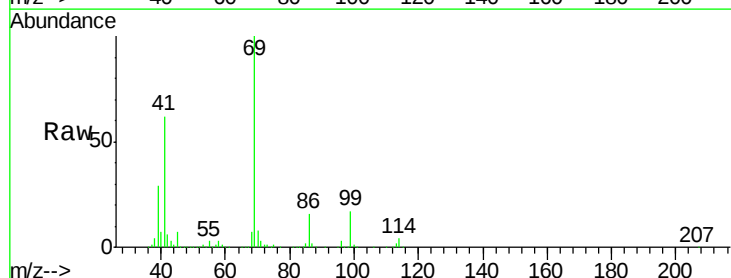
Tgt Ion: 69 Resp: 742762

Ion Ratio Lower Upper

69 100

41 61.1 46.0 69.0

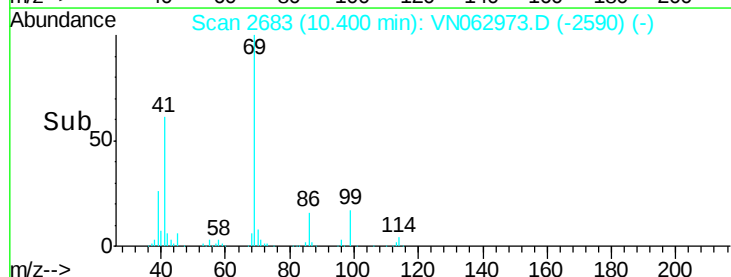
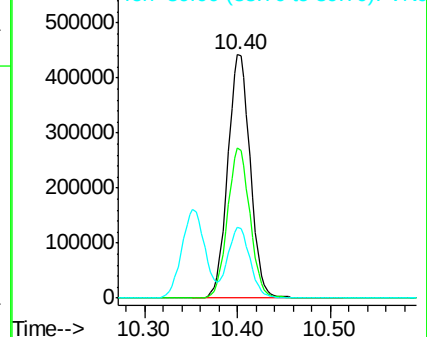
39 28.9 23.4 35.0

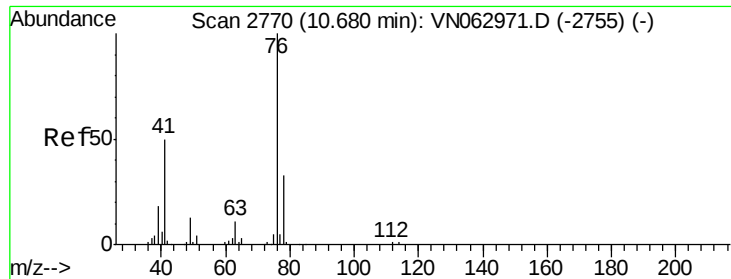


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





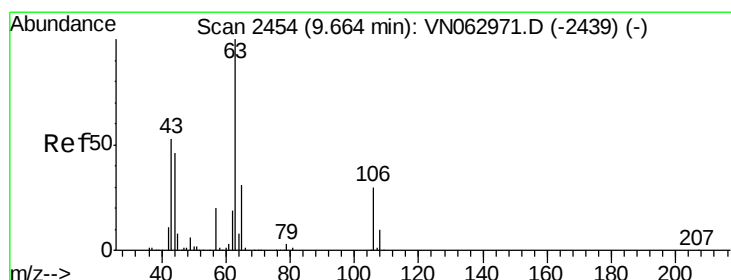
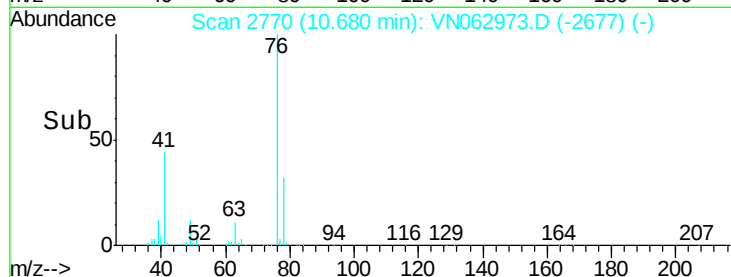
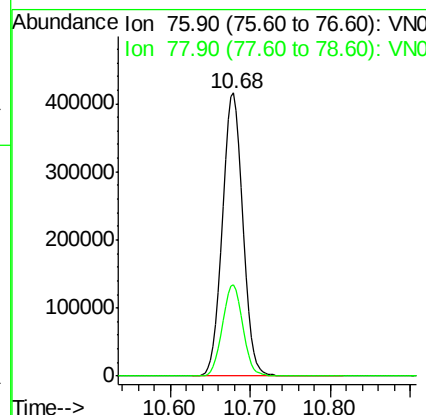
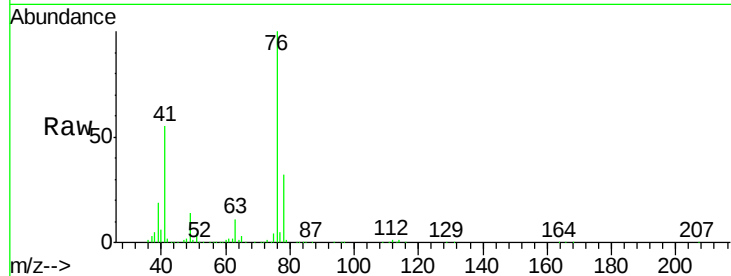
#57
 1,3-Dichloropropane
 Concen: 146.702 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

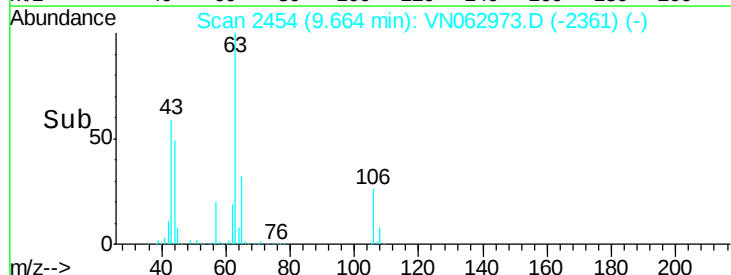
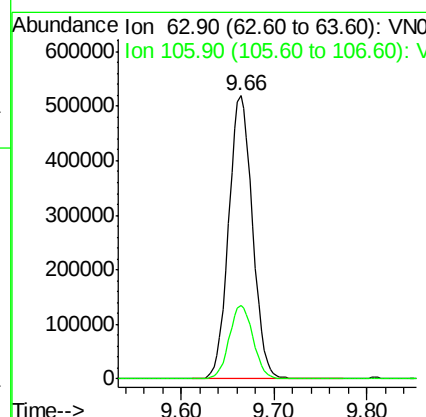
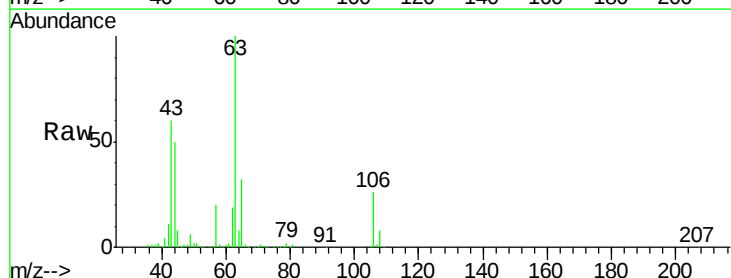
Manual Integrations
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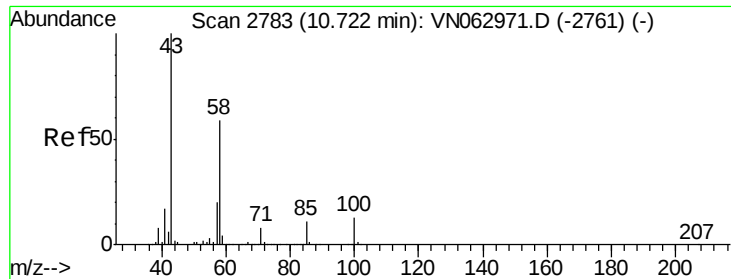
MMDadoda
 8/18/2020 11:12:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 752.282 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	23.4	35.2





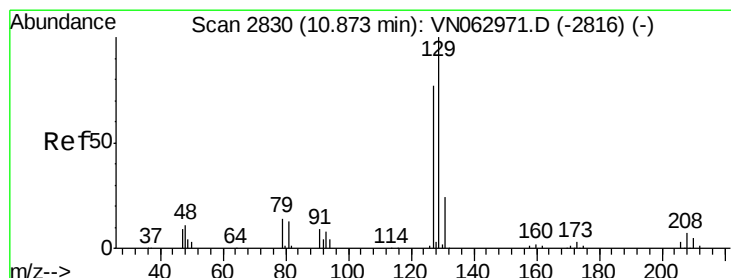
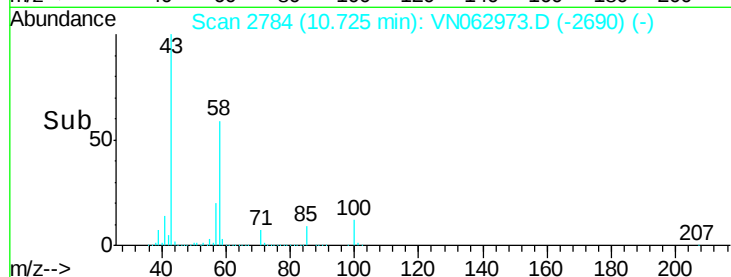
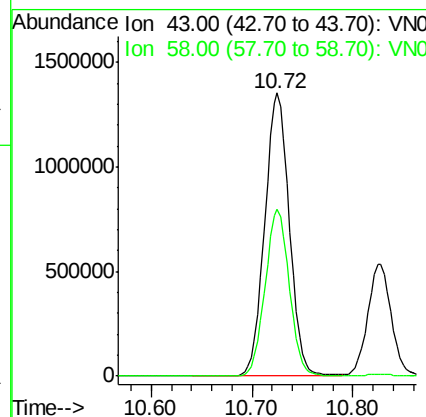
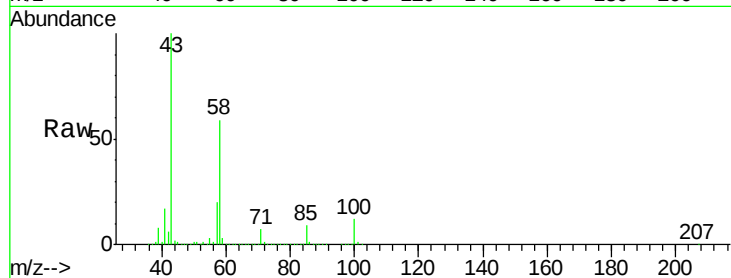
#59
2-Hexanone
Concen: 741.248 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2283481
Ion Ratio Lower Upper
43 100
58 58.3 29.5 88.5

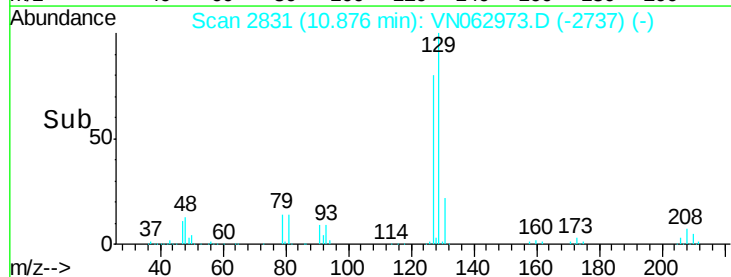
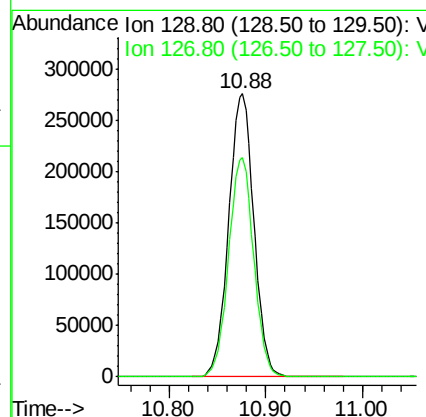
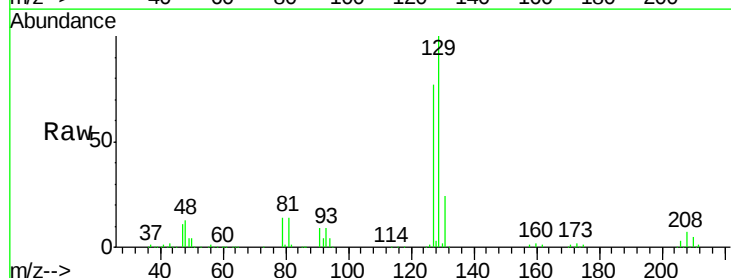
Manual Integrations
APPROVED

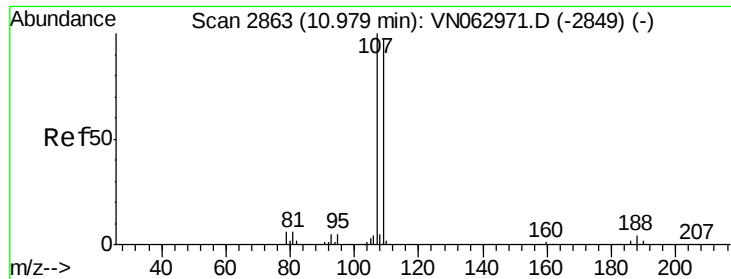
MMDadoda
8/18/2020 11:12:57 AM



#60
Dibromochloromethane
Concen: 145.722 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion: 129 Resp: 499130
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





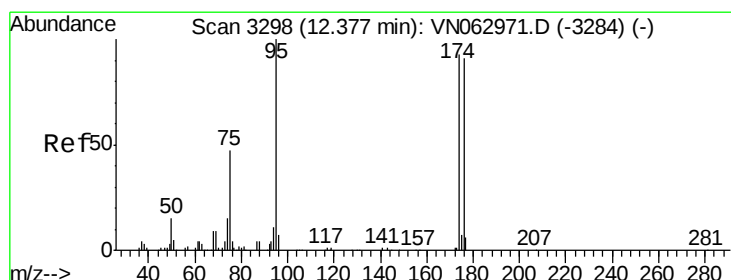
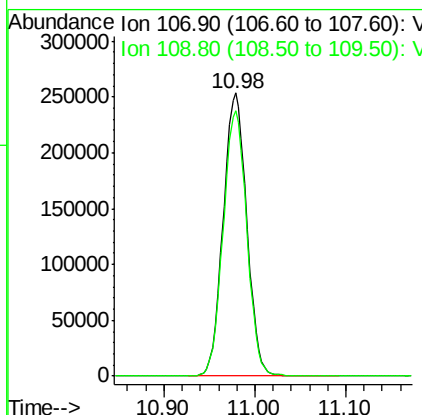
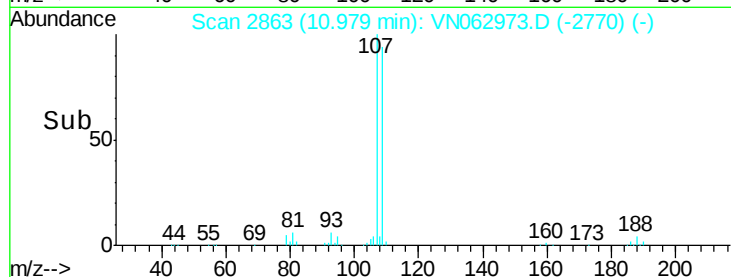
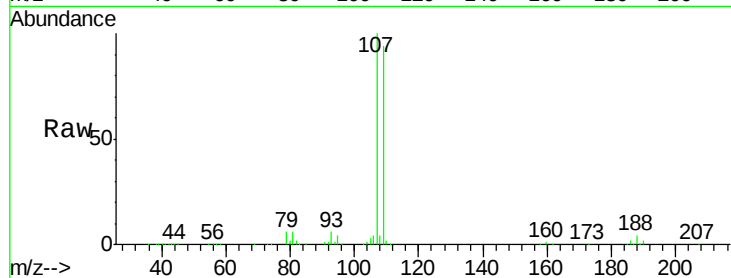
#61
 1,2-Dibromoethane
 Concen: 153.183 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.6	115.0

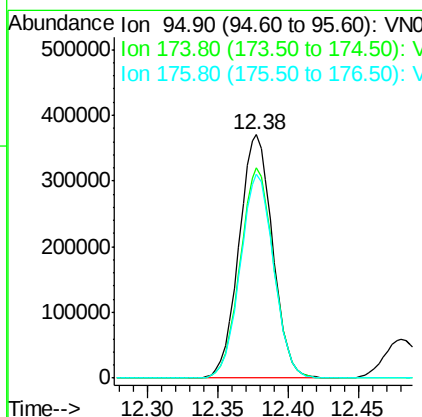
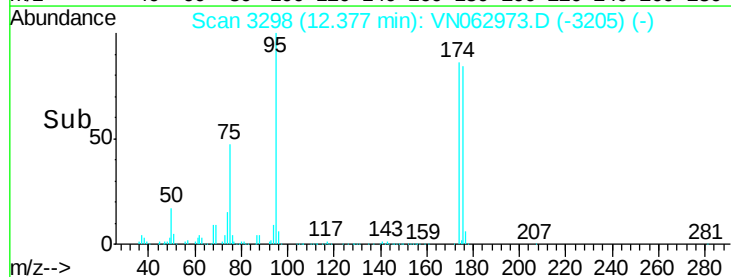
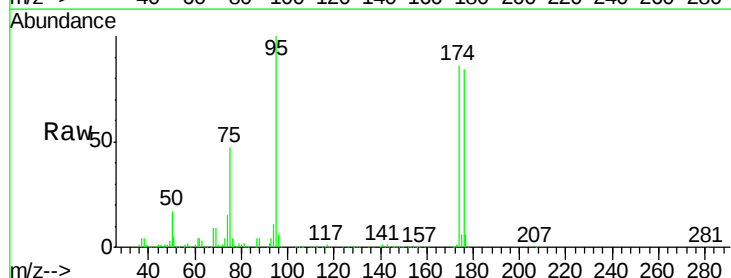
Manual Integrations
 APPROVED

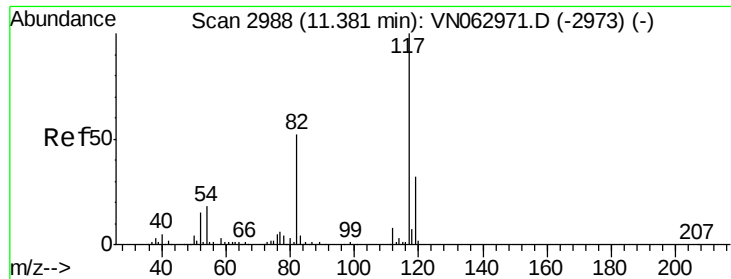
MMDadoda
 8/18/2020 11:12:57 AM



#62
 4-Bromofluorobenzene
 Concen: 157.978 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	185.2
176	83.8	0.0	178.8





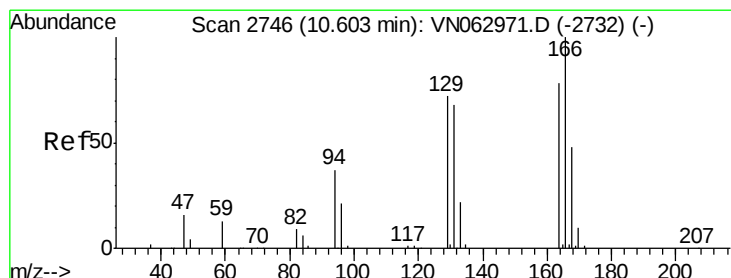
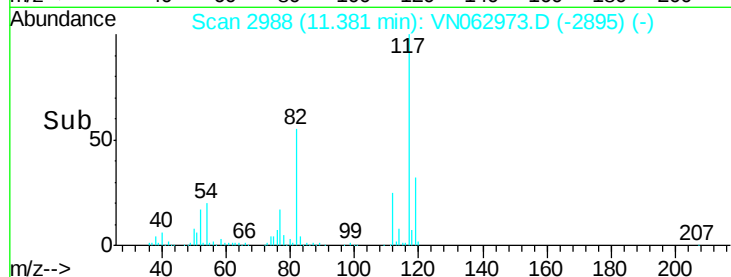
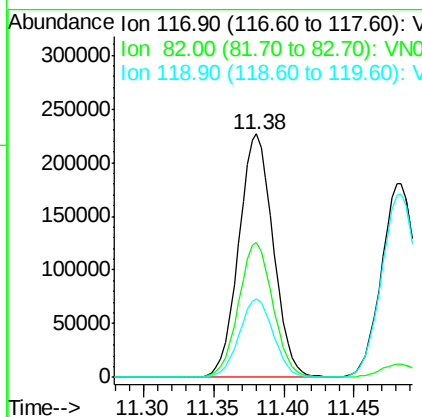
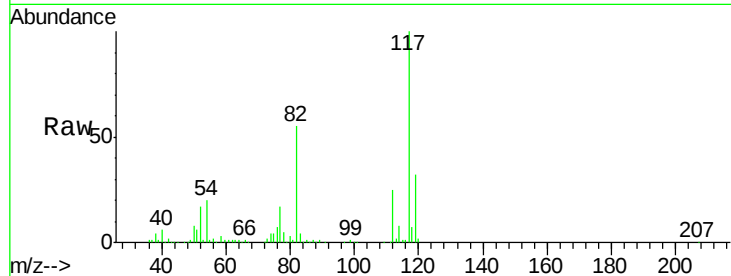
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388679		
82	55.2	41.3	61.9	
119	32.4	25.8	38.8	

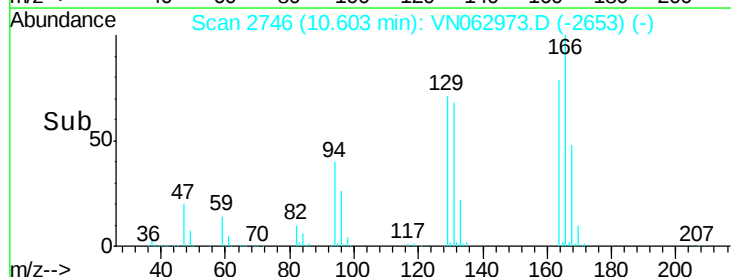
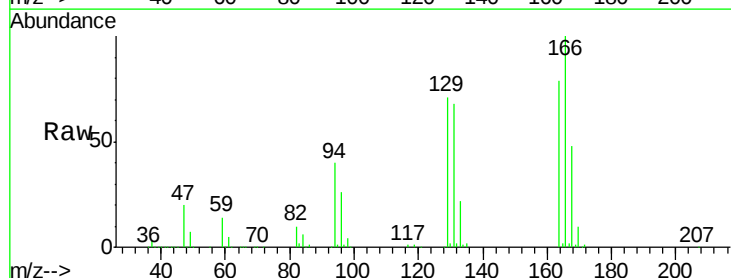
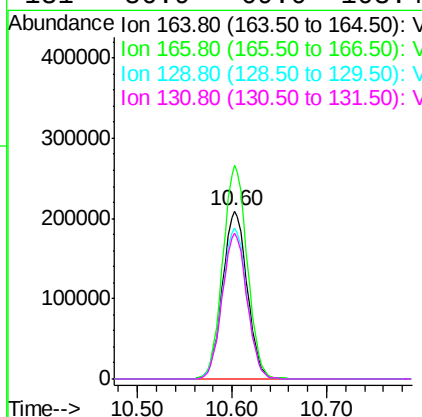
Manual Integrations
APPROVED

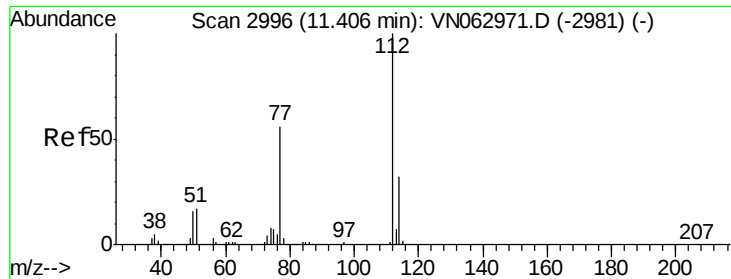
MMDadoda
8/18/2020 11:12:57 AM



#64
Tetrachloroethene
Concen: 148.325 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	377110		
166	127.3	101.9	152.9	
129	89.9	73.1	109.7	
131	86.9	69.0	103.4	





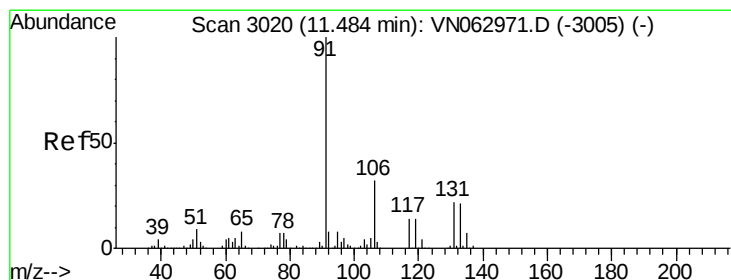
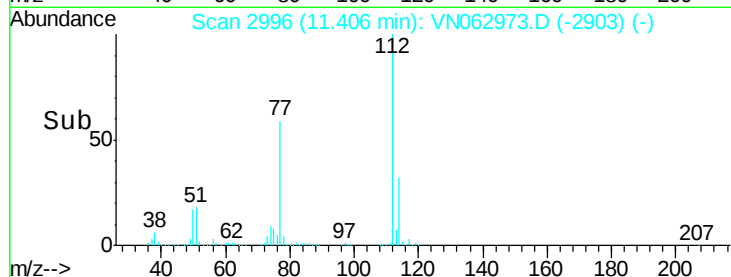
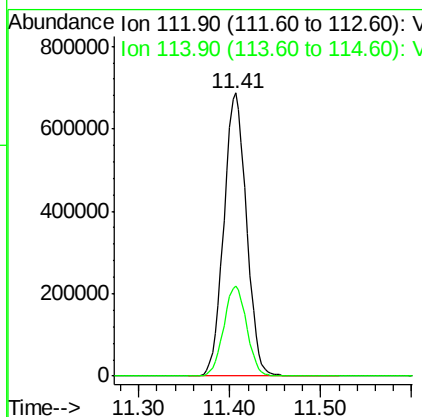
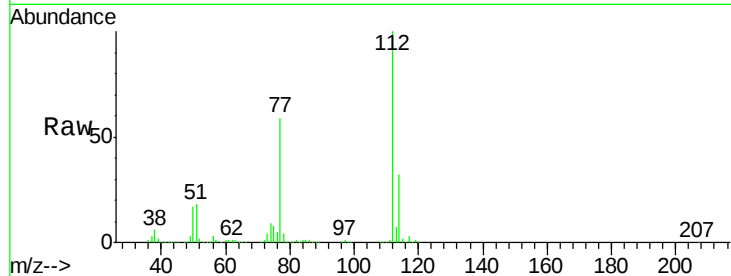
#65
Chlorobenzene
Concen: 146.674 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1186513
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

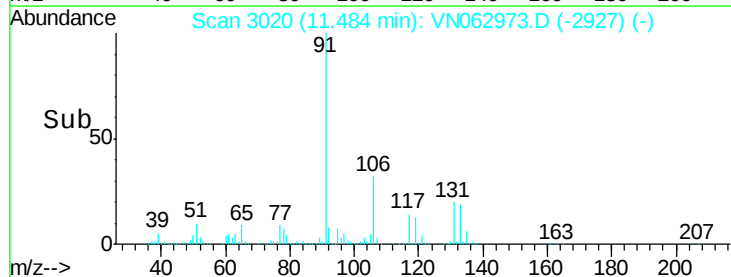
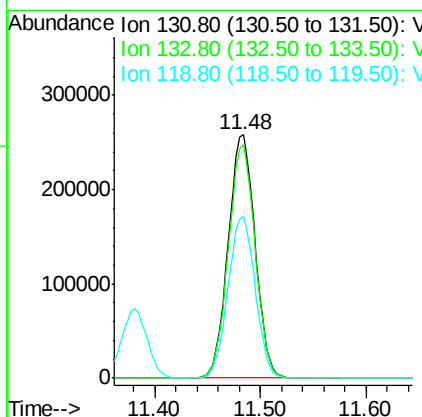
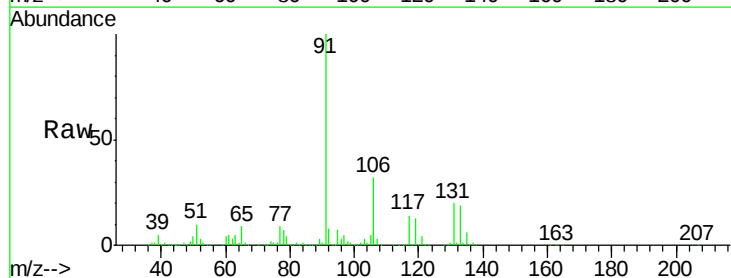
Manual Integrations
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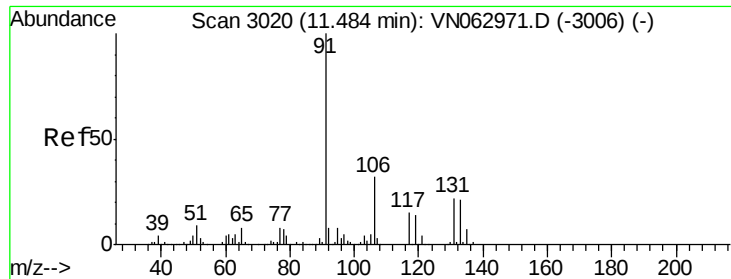
MMDadoda
8/18/2020 11:12:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 140.971 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion:131 Resp: 454440
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.4
119 67.0 32.4 97.0





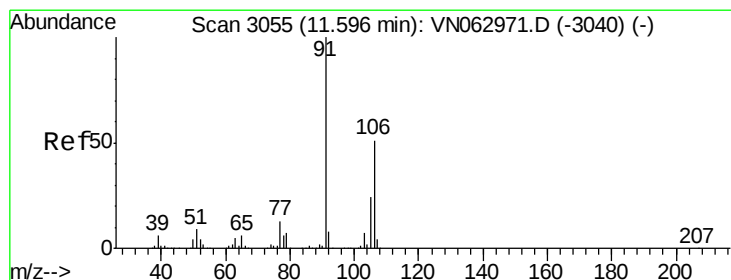
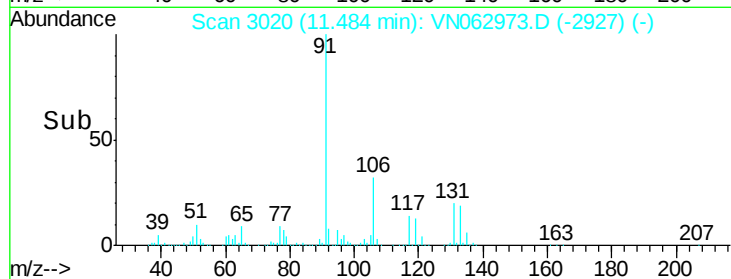
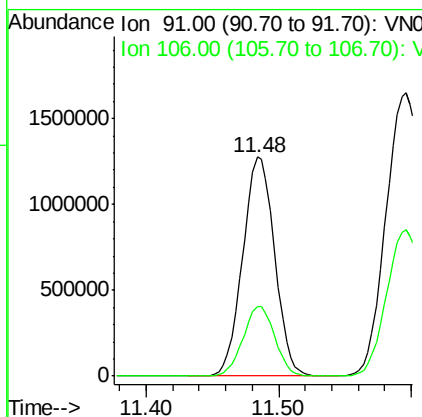
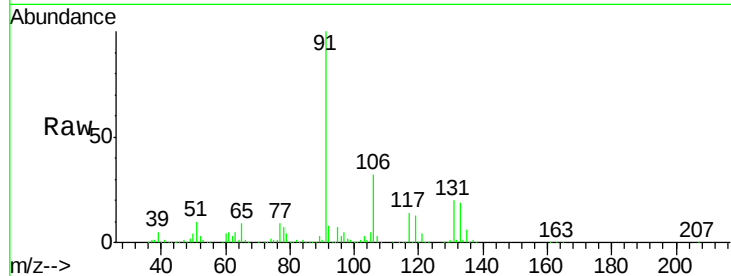
#67
Ethyl Benzene
Concen: 149.964 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2140774
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

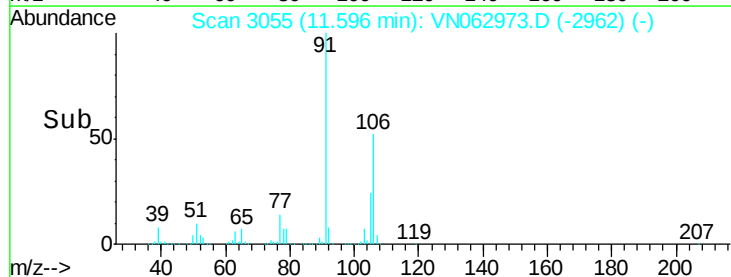
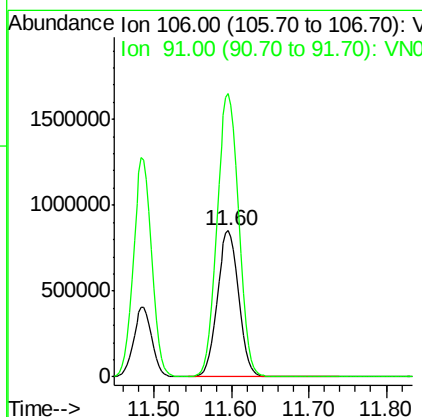
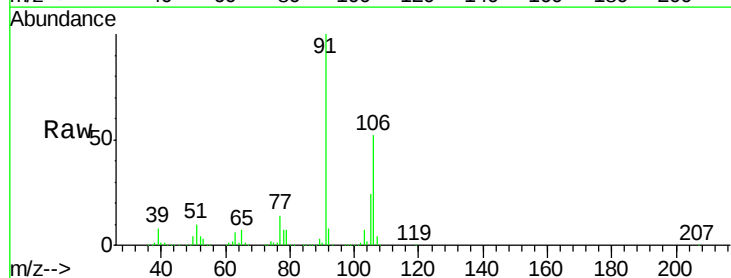
Manual Integrations
APPROVED

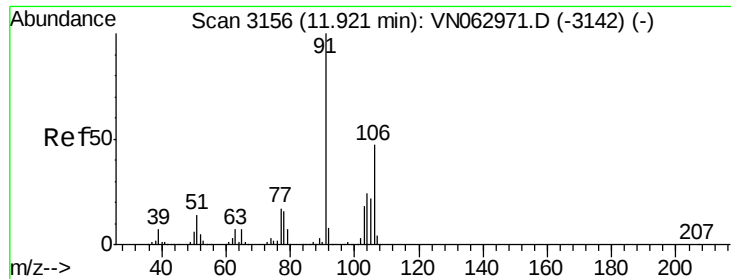
MMDadoda
8/18/2020 11:12:57 AM



#68
m/p-Xylenes
Concen: 313.887 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion: 106 Resp: 1642657
Ion Ratio Lower Upper
106 100
91 198.6 158.7 238.1





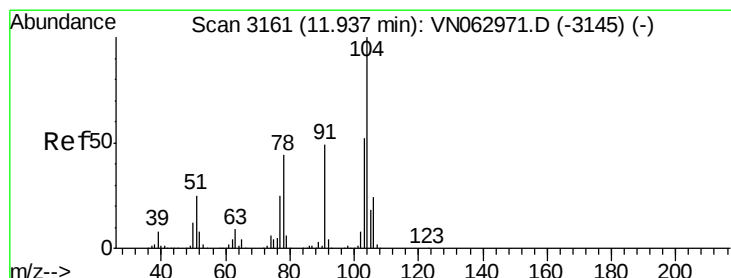
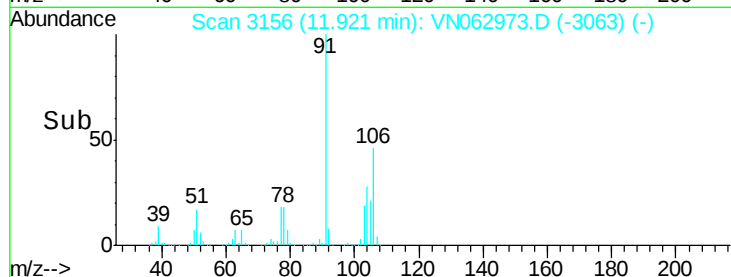
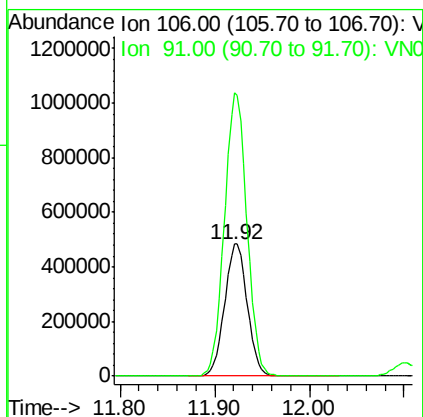
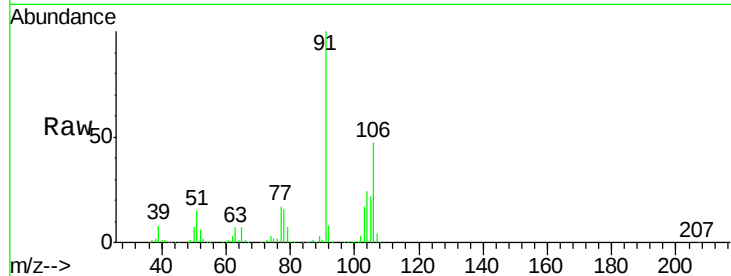
#69
o-Xylene
Concen: 163.993 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.6	106.3	802465	318.8	

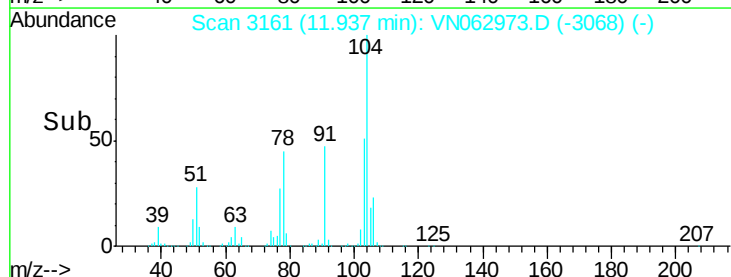
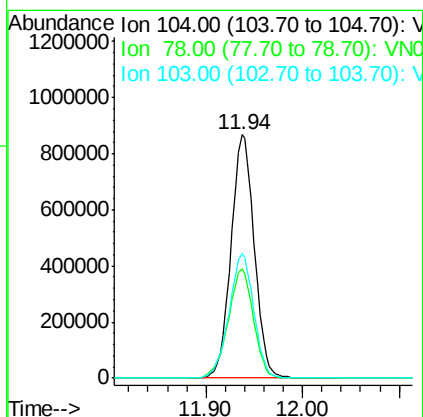
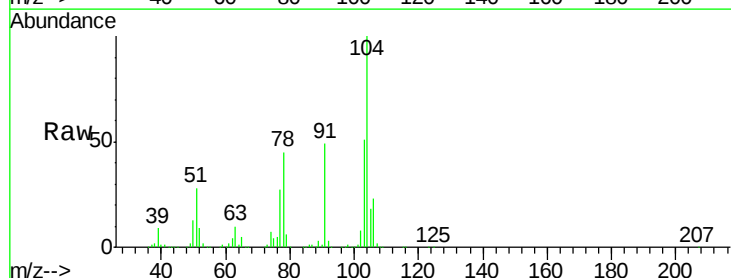
Manual Integrations
APPROVED

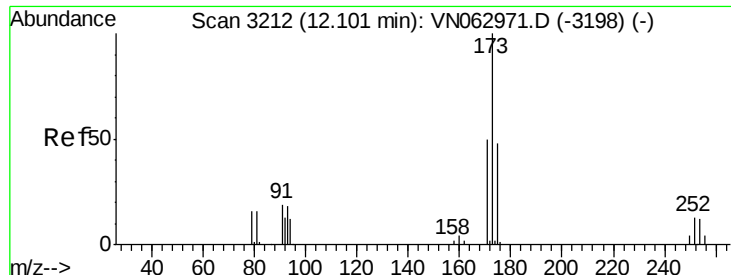
MMDadoda
8/18/2020 11:12:57 AM



#70
Styrene
Concen: 168.184 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	38.2	57.4	
103	54.6	44.9	67.3	





#71

Bromoform

Concen: 155.920 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 415233

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.2

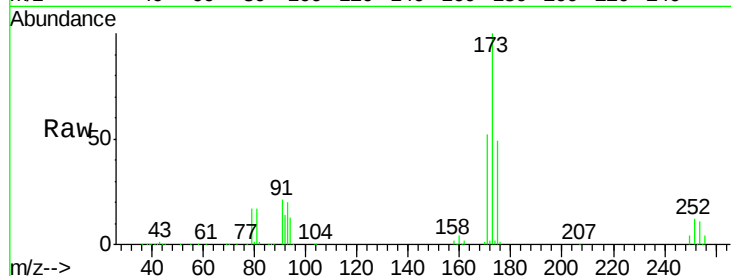
254 0.1 0.0 0.0#

Manual Integrations

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MMDadoda

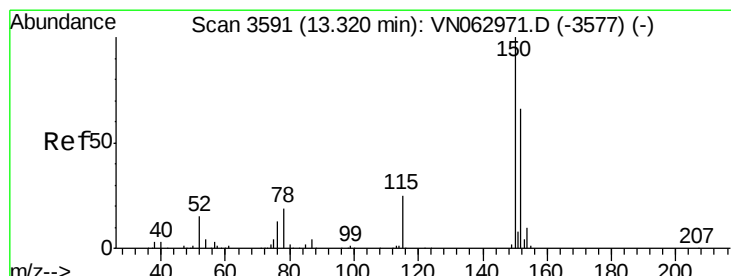
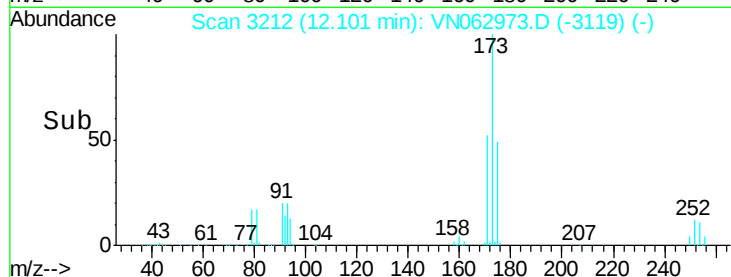
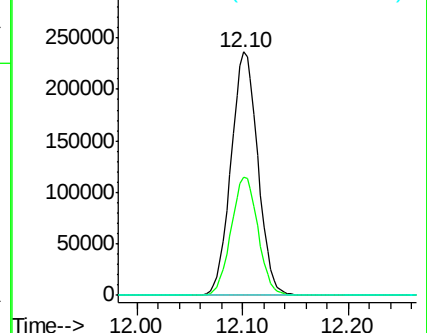
8/18/2020 11:12:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

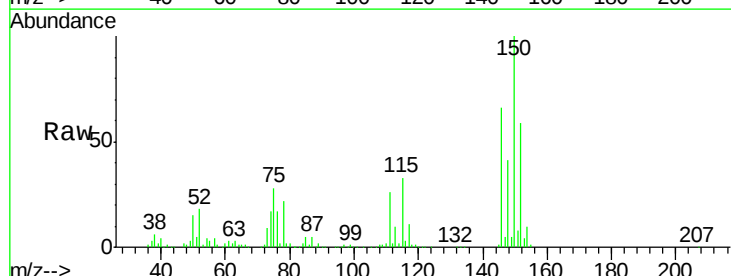
Tgt Ion:152 Resp: 211573

Ion Ratio Lower Upper

152 100

115 56.7 27.1 81.3

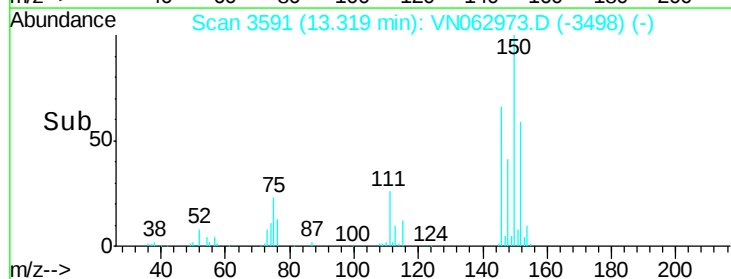
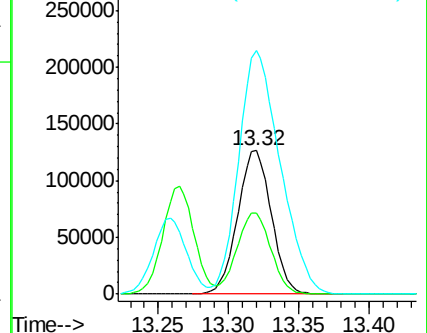
150 209.1 0.0 341.4

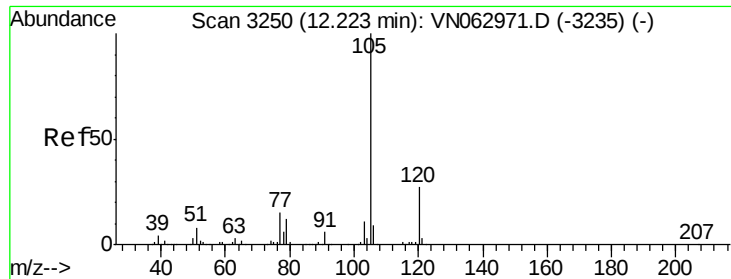


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





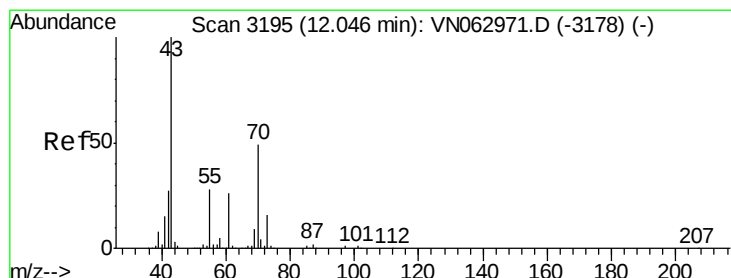
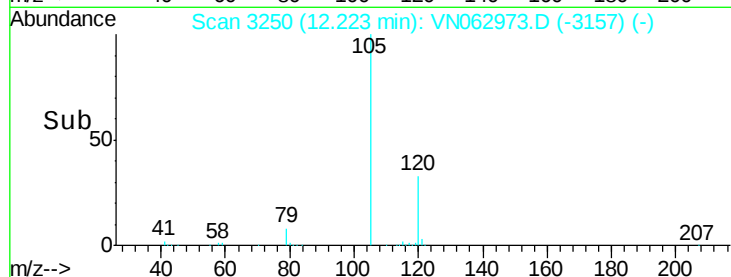
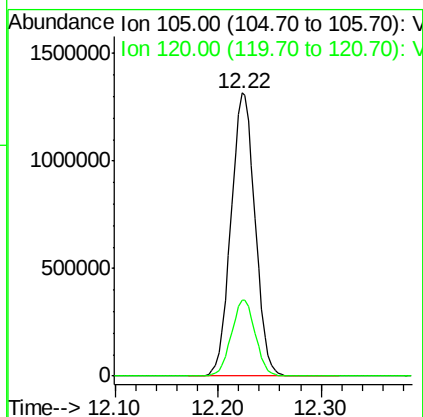
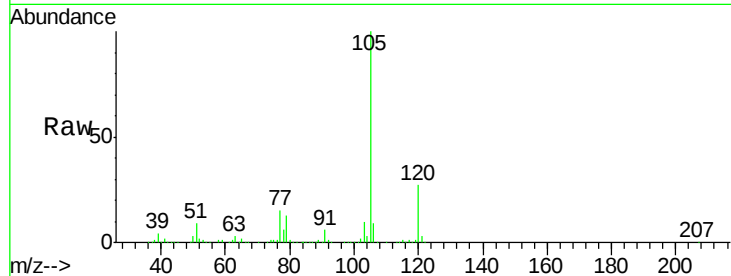
#73
Isopropylbenzene
Concen: 137.379 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:105 Resp: 2142858
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

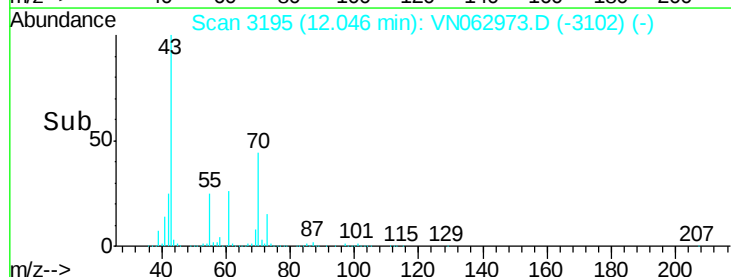
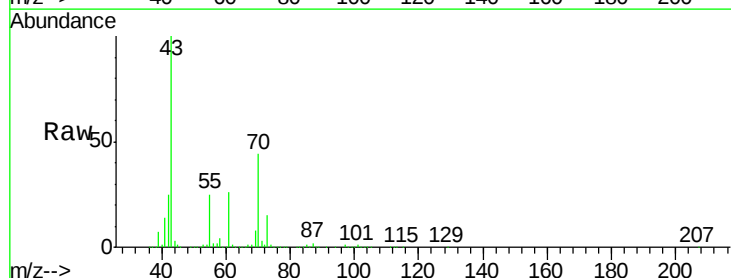
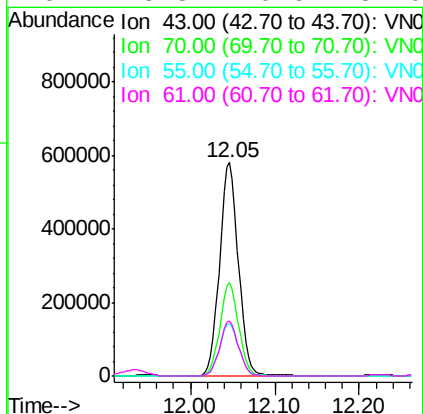
Manual Integrations
APPROVED

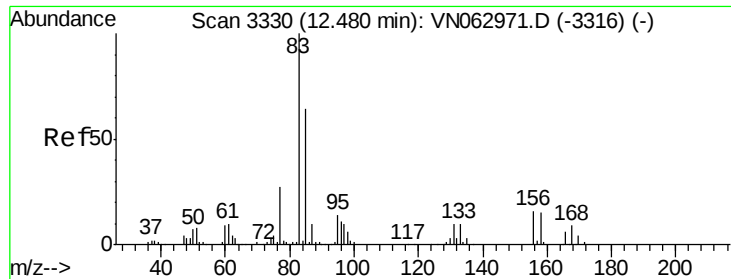
MMDadoda
8/18/2020 11:12:57 AM



#74
N-ethyl acetate
Concen: 148.056 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion: 43 Resp: 900547
Ion Ratio Lower Upper
43 100
70 43.6 38.4 57.6
55 25.4 21.9 32.9
61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 128.664 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 705824
Ion Ratio Lower Upper

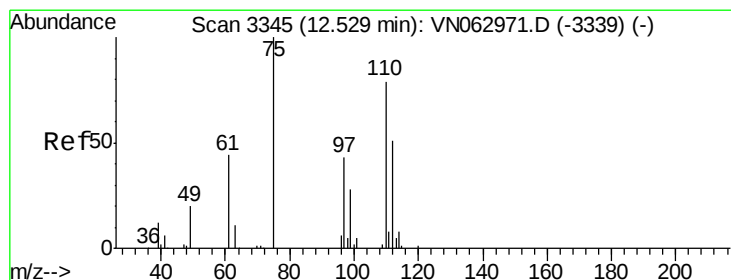
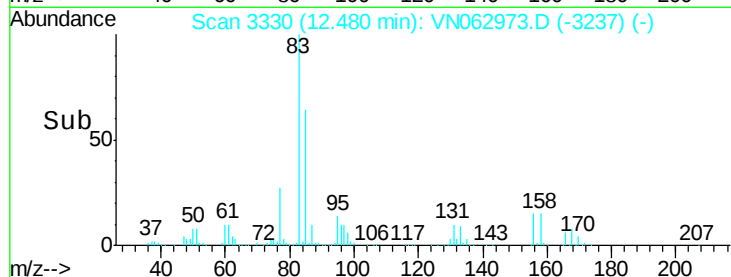
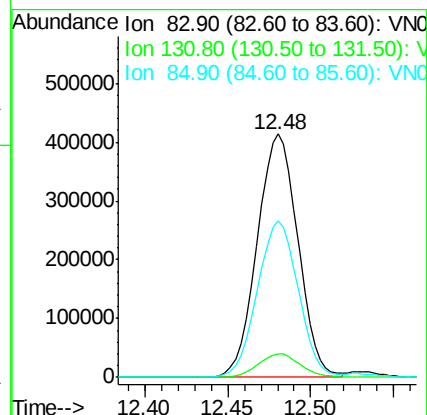
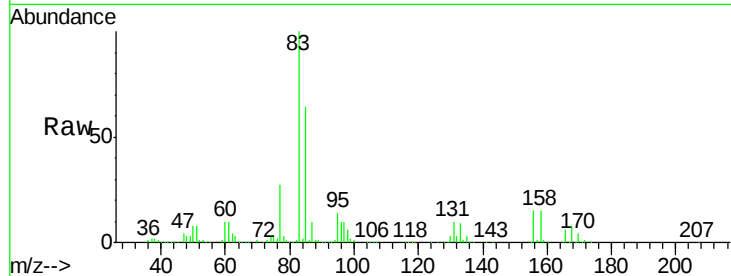
83 100

131 10.0 5.3 16.1

85 64.6 31.9 95.7

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#76

1,2,3-Trichloropropane

Concen: 114.312 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

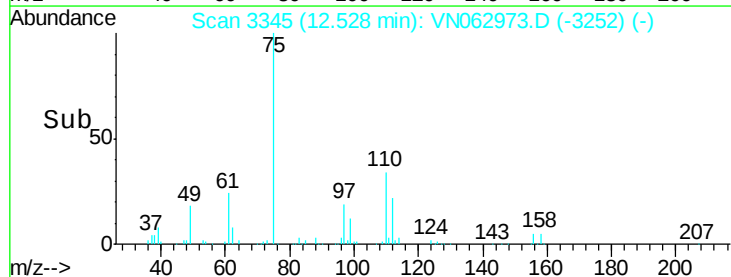
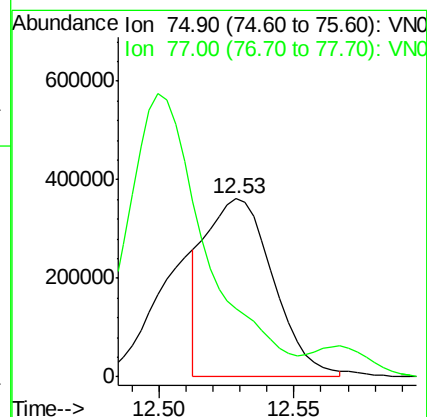
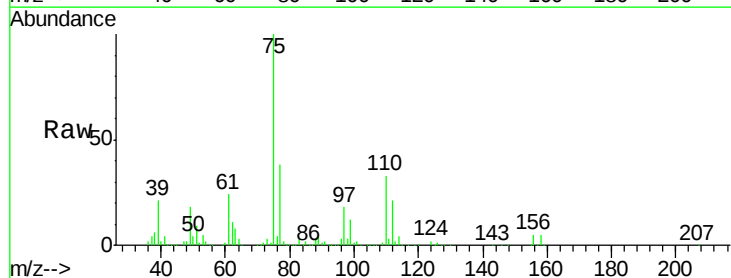
Lab File: VN062973.D

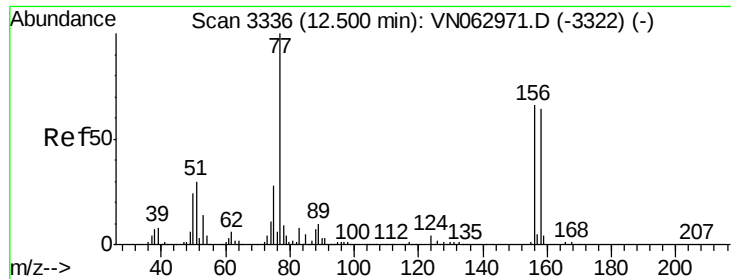
Acq: 17 Aug 2020 15:26

Tgt Ion: 75 Resp: 626125
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 145.856 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

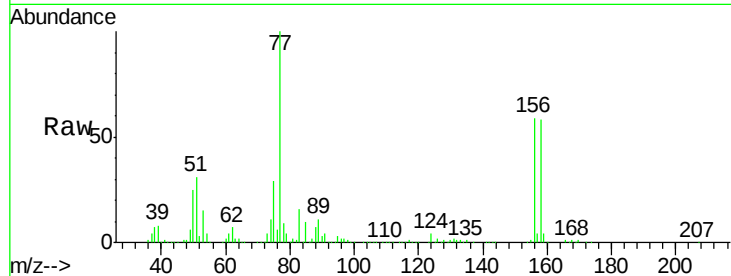
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	580048
Ion Ratio	Lower	Upper	
156	100		
77	201.0	92.4	277.2
158	97.7	48.6	145.8

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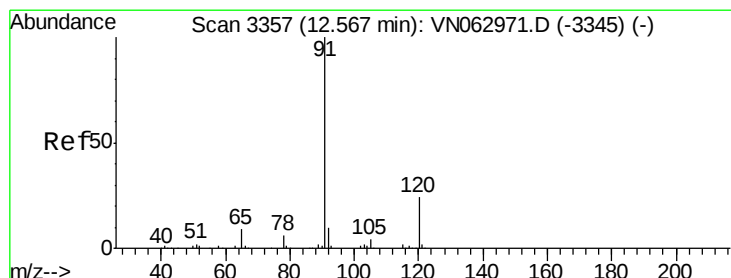
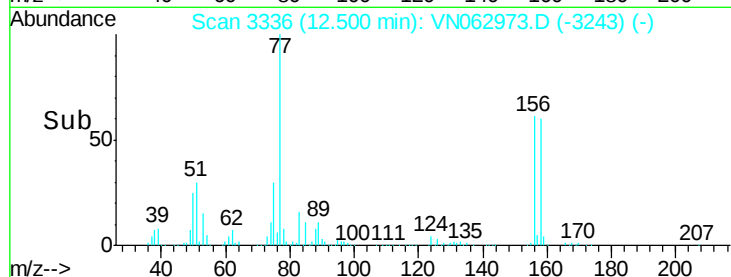
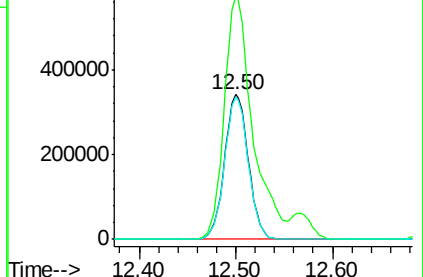
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 139.881 ug/l

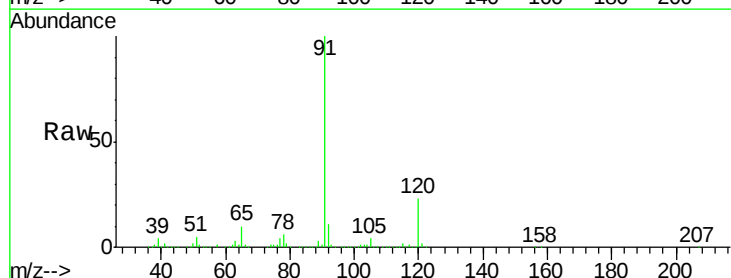
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062973.D

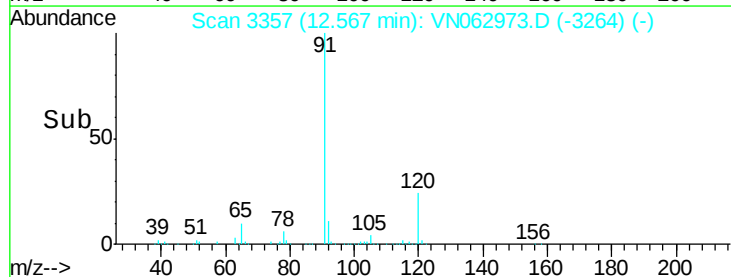
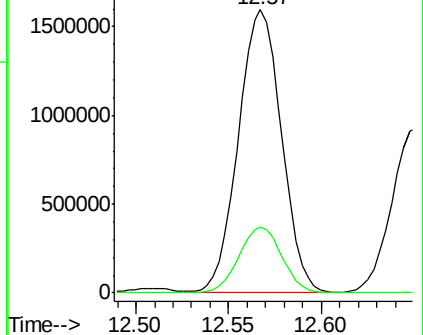
Acq: 17 Aug 2020 15:26

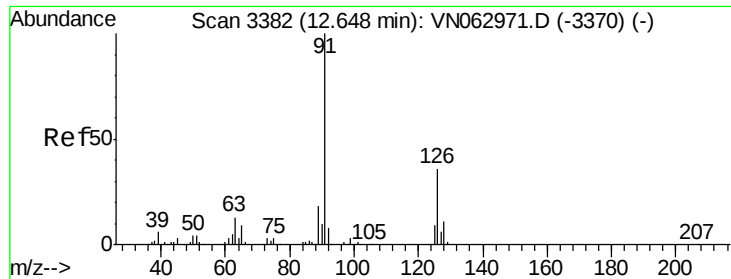
Tgt Ion:	91	Resp:	2552476
Ion Ratio	Lower	Upper	
91	100		
120	23.4	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 133.856 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1524362

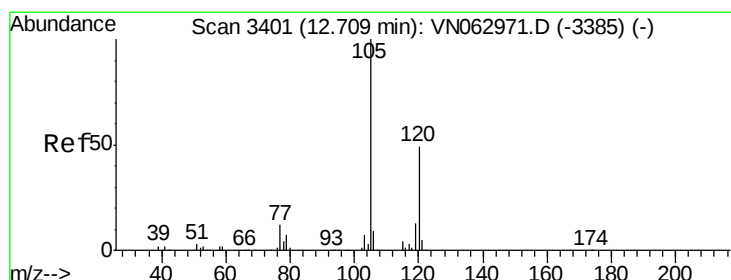
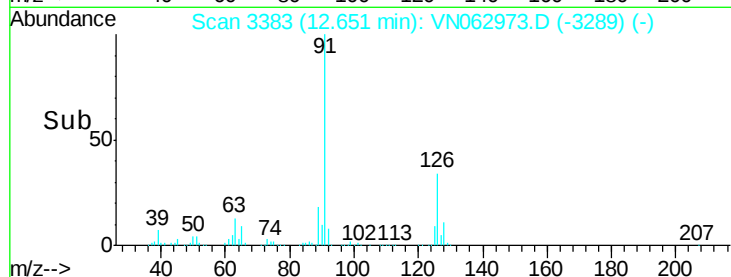
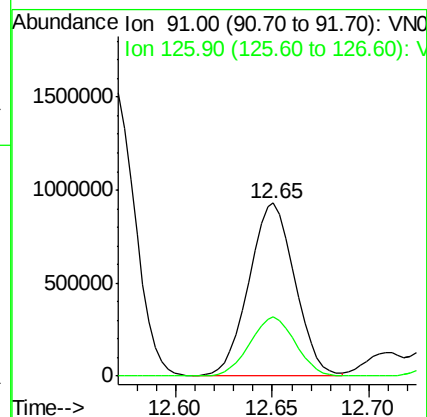
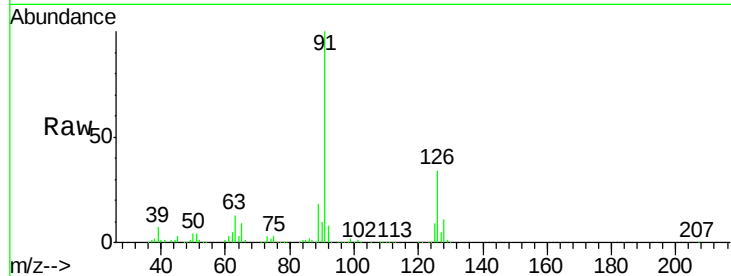
Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.3

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#80

1,3,5-Trimethylbenzene

Concen: 141.148 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062973.D

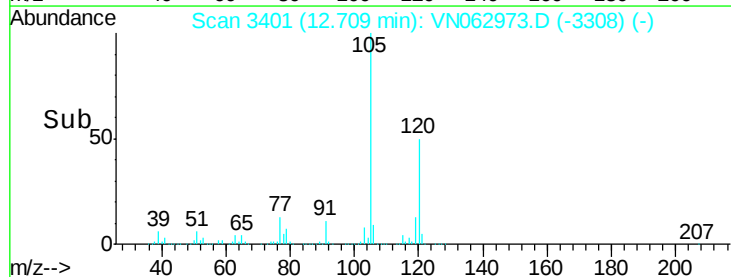
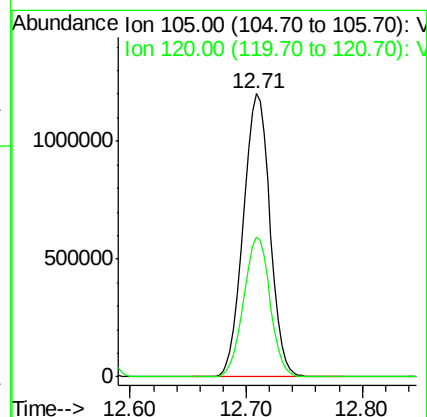
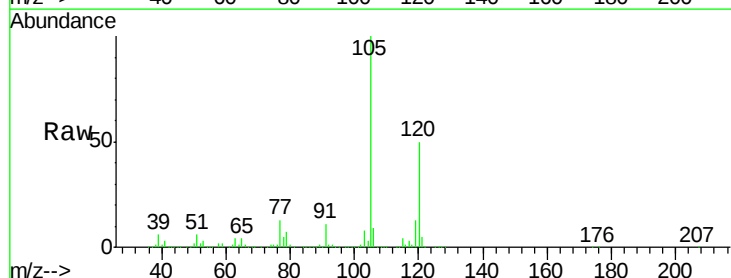
Acq: 17 Aug 2020 15:26

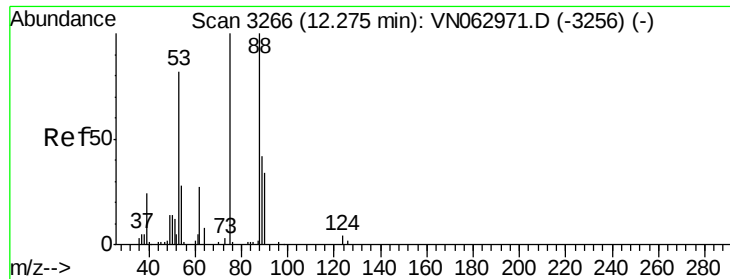
Tgt Ion: 105 Resp: 1906498

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.7





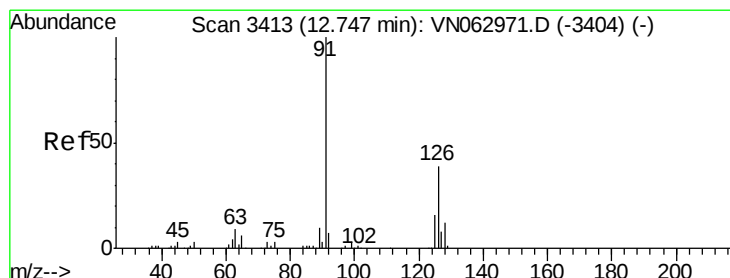
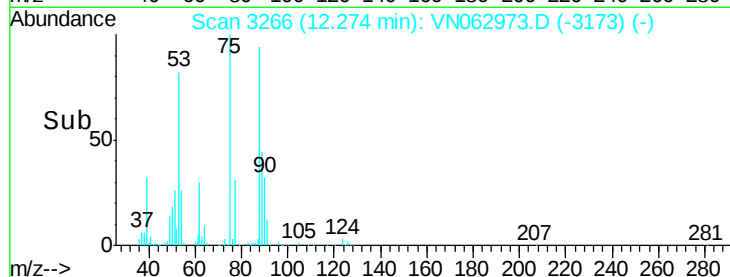
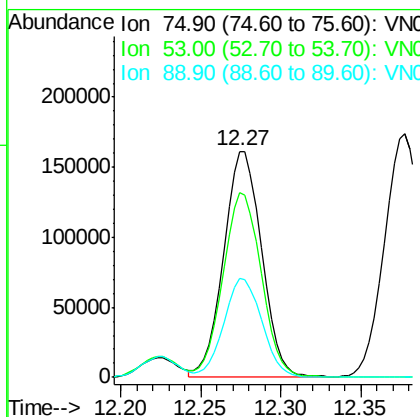
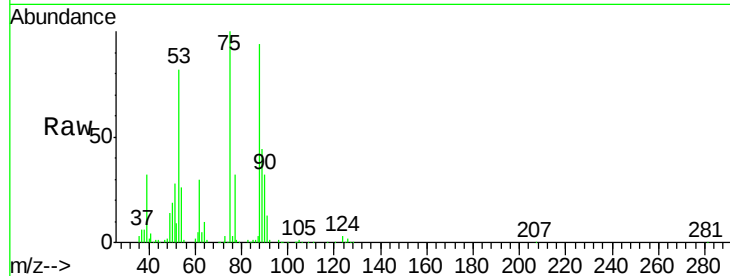
#81
trans-1,4-Dichloro-2-butene
Concen: 145.654 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	66.2	99.2
89	44.3	35.0	52.4

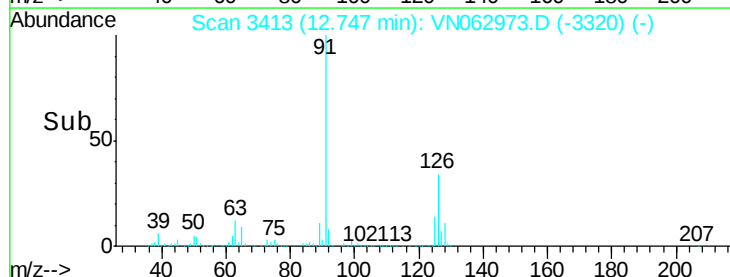
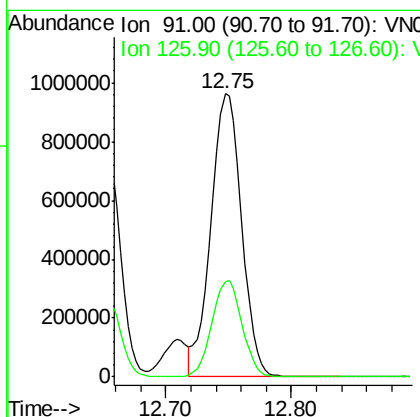
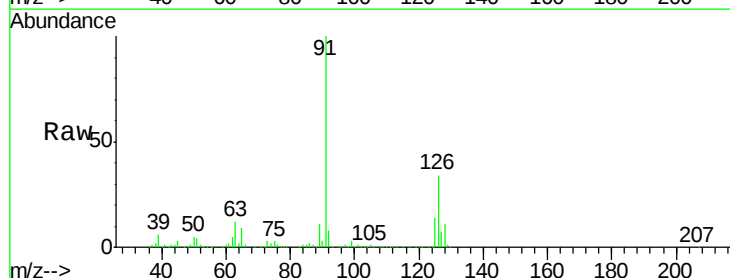
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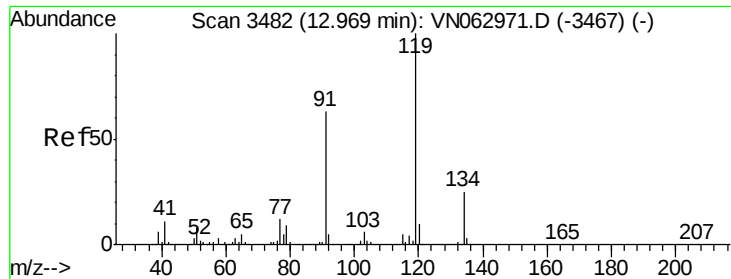
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#82
4-Chlorotoluene
Concen: 138.555 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.6	52.8





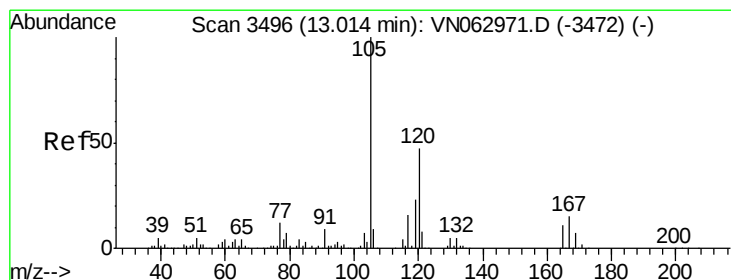
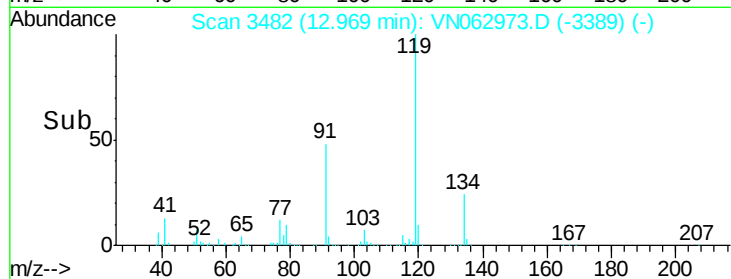
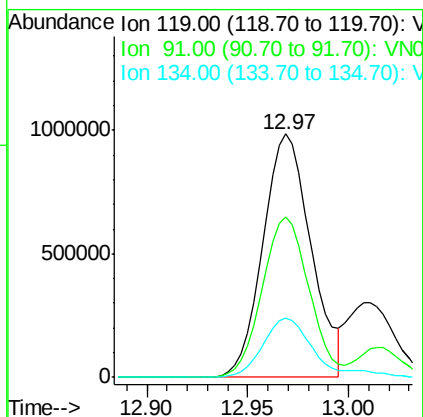
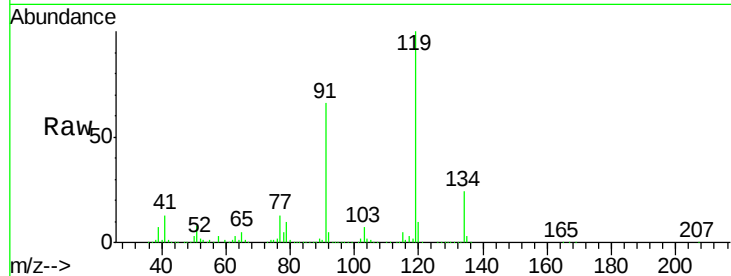
#83
 tert-Butylbenzene
 Concen: 142.251 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.0	93.0
134	25.9	13.3	39.8

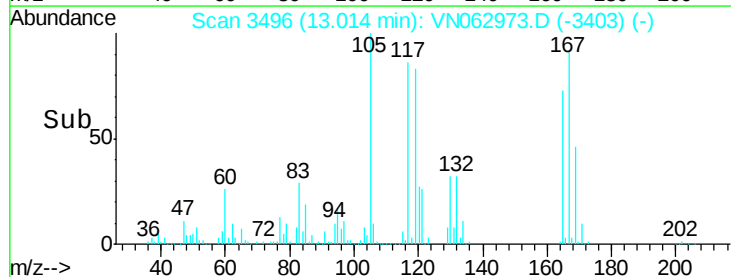
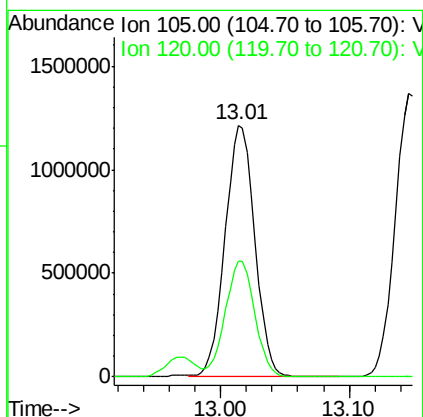
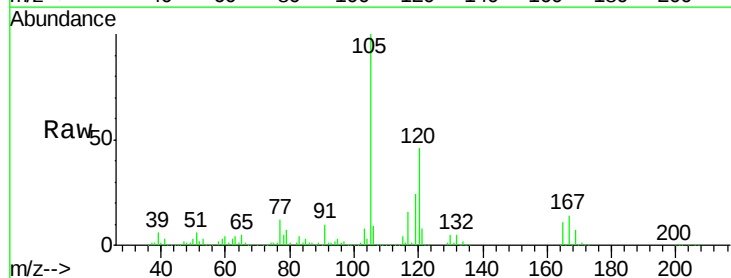
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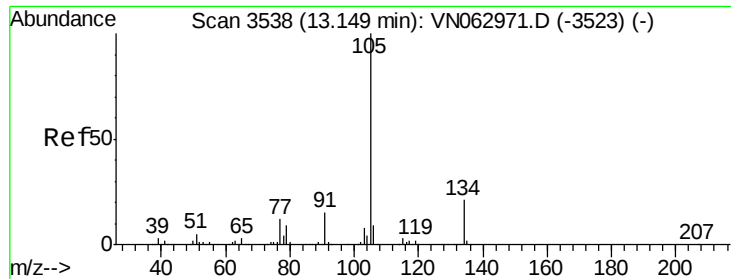
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#84
 1,2,4-Trimethylbenzene
 Concen: 149.681 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 146.548 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2206967

Ion Ratio Lower Upper

105 100

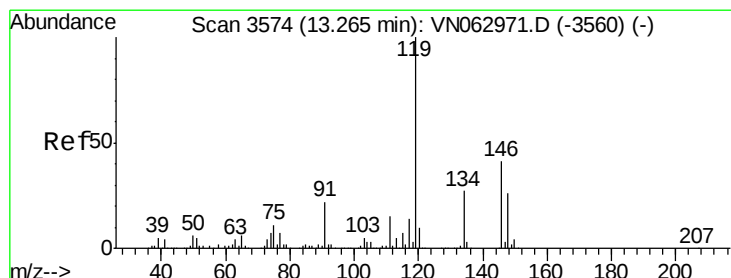
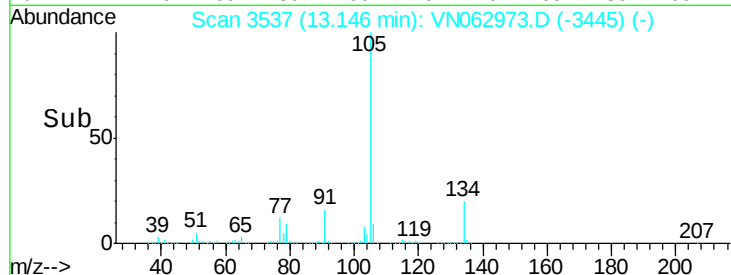
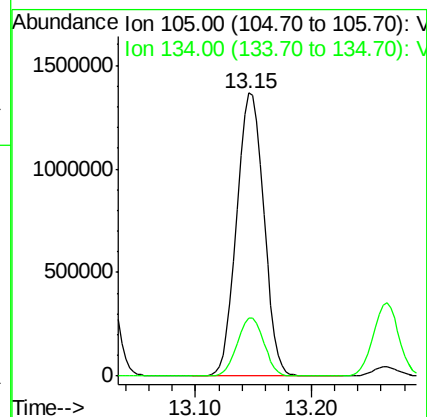
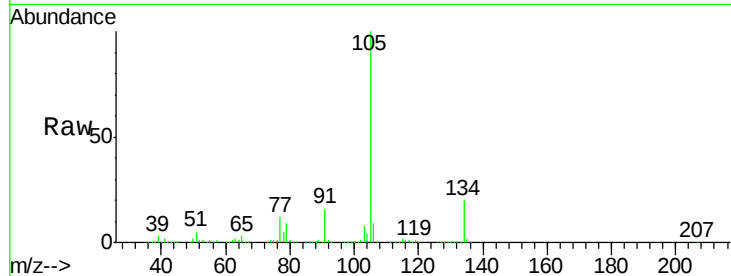
134 20.2 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 152.410 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

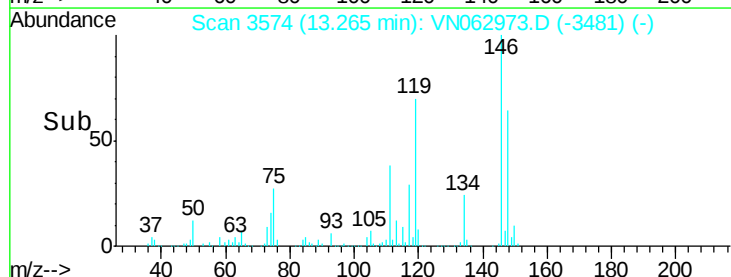
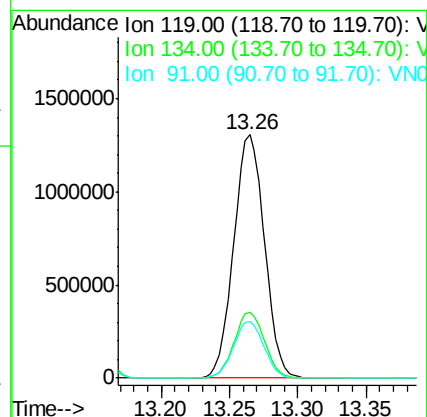
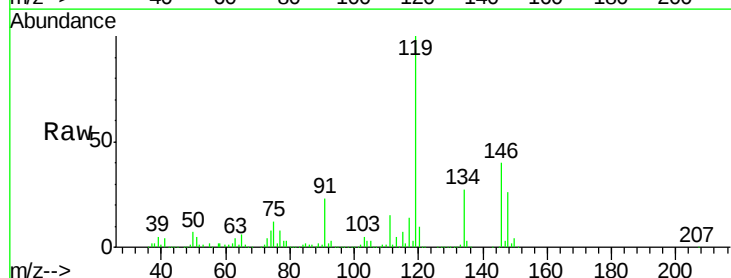
Tgt Ion:119 Resp: 2039710

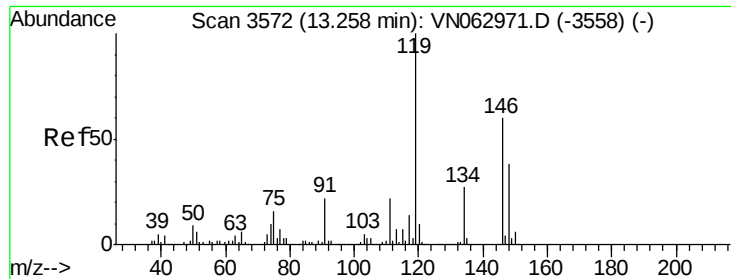
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 23.1 11.1 33.1





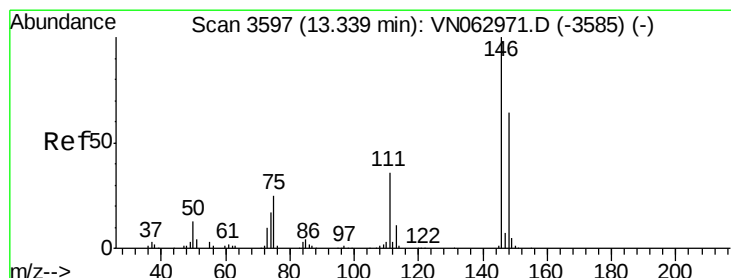
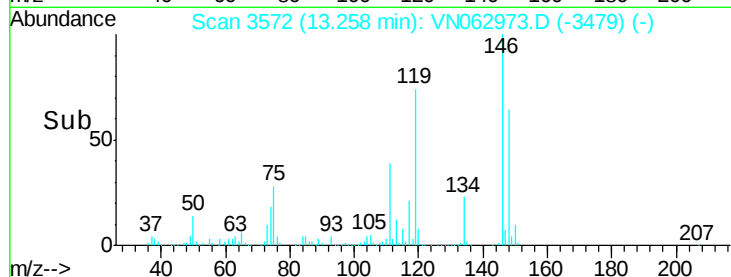
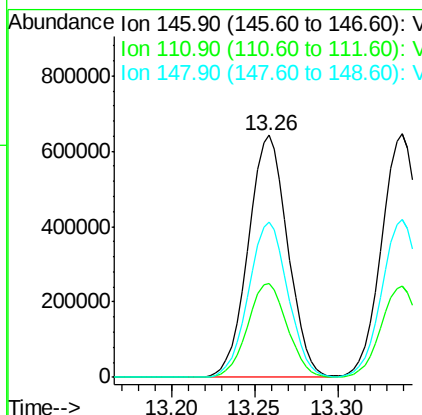
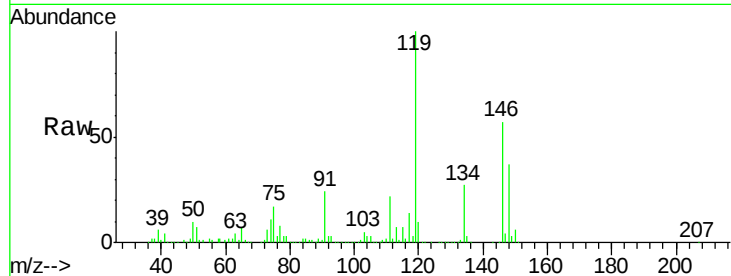
#87
 1,3-Dichlorobenzene
 Concen: 150.740 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1062249
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.5
 148 64.0 31.7 95.1

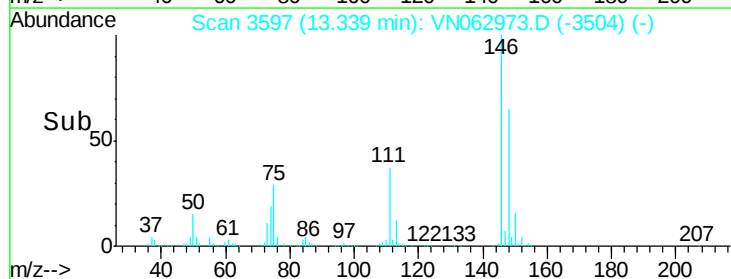
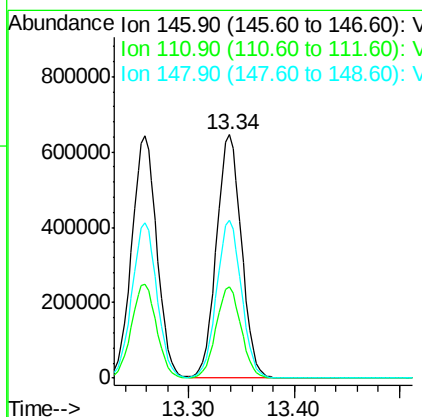
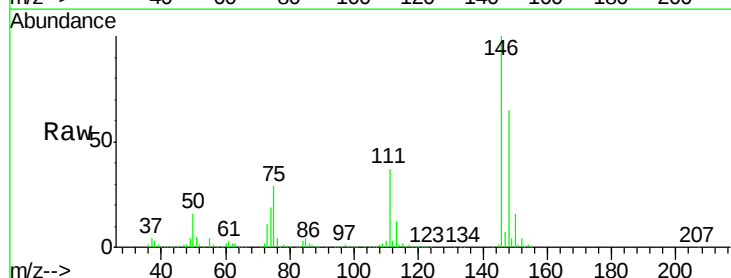
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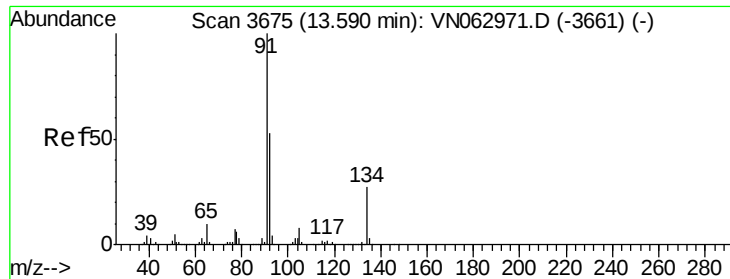
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#88
 1,4-Dichlorobenzene
 Concen: 149.322 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion:146 Resp: 1058866
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 64.3 32.1 96.5





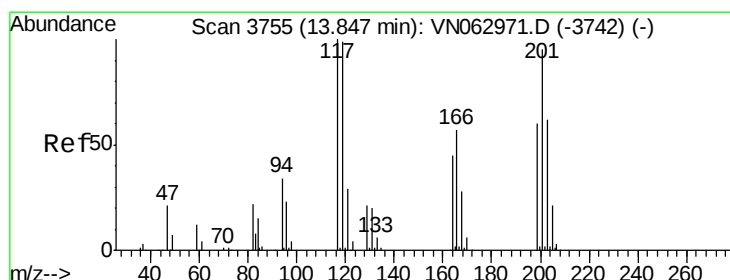
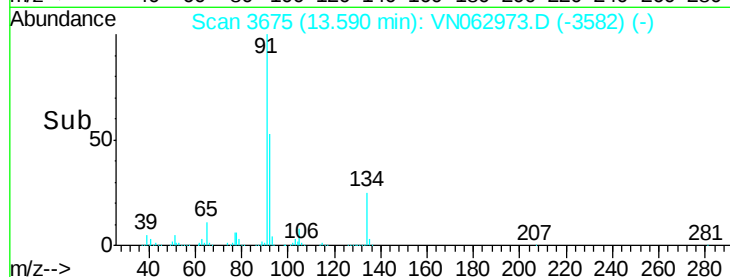
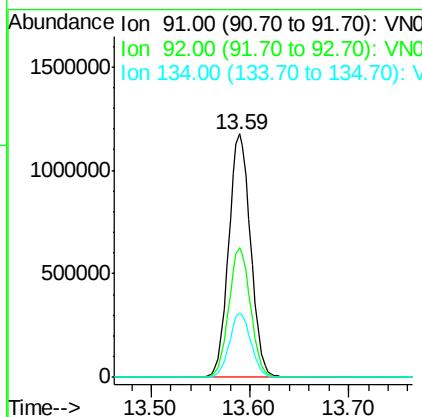
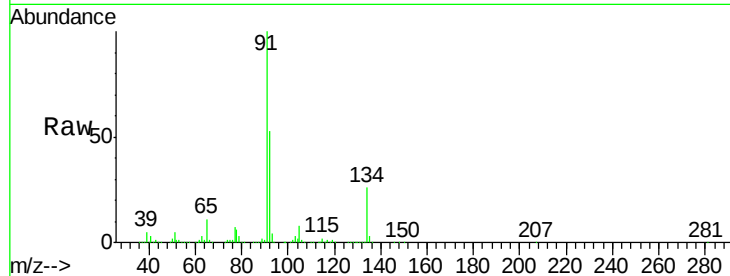
#89
n-Butylbenzene
Concen: 162.998 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	26.1	13.4	40.2

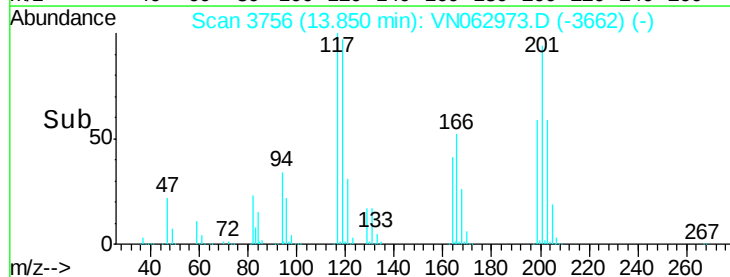
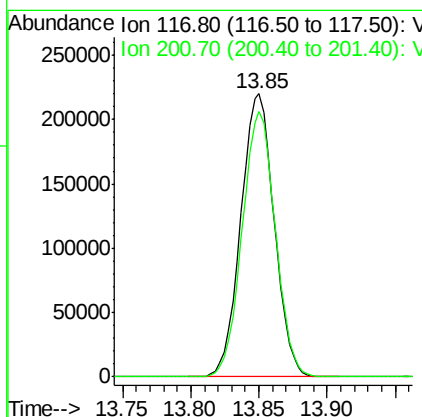
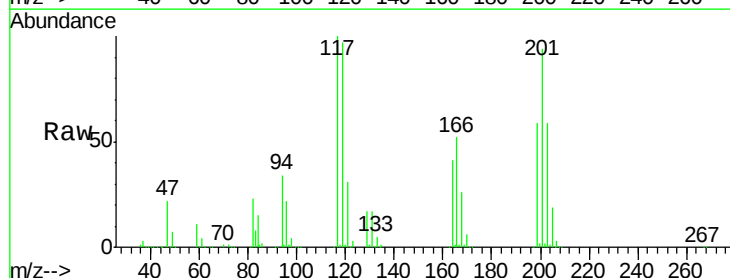
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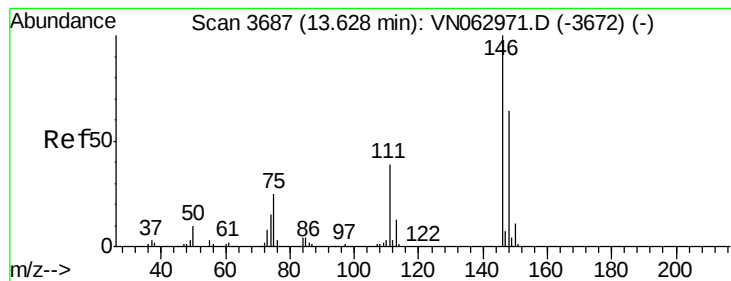
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#90
Hexachloroethane
Concen: 130.464 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062973.D
Acq: 17 Aug 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	48.4	145.3





#91

1,2-Dichlorobenzene

Concen: 152.016 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1007760

Ion Ratio Lower Upper

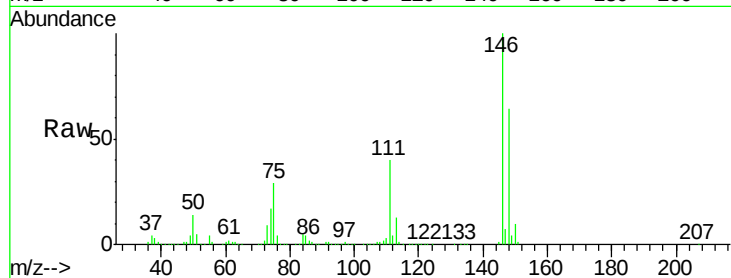
146 100

111 40.1 19.4 58.4

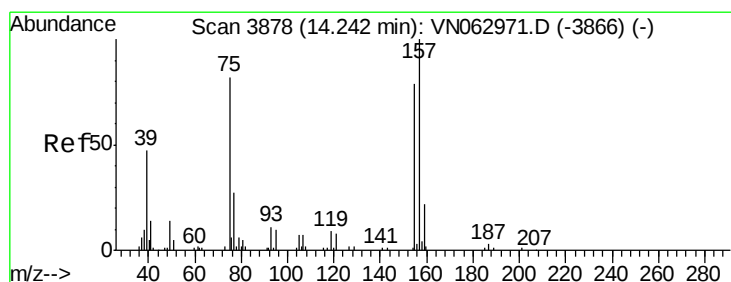
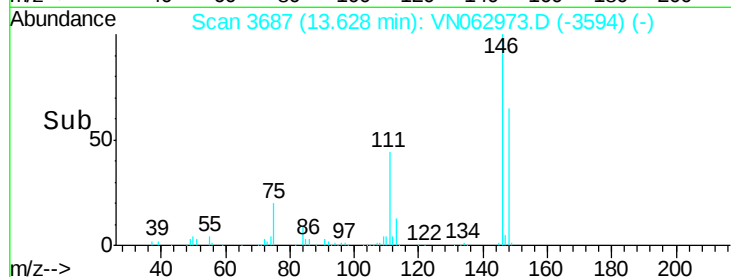
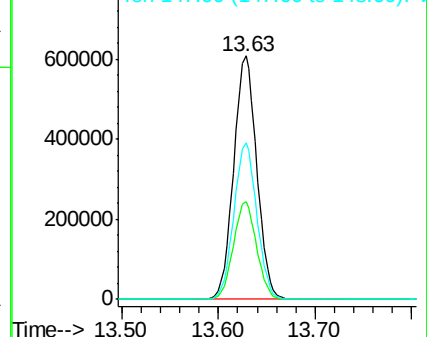
148 64.2 32.5 97.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 122.538 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

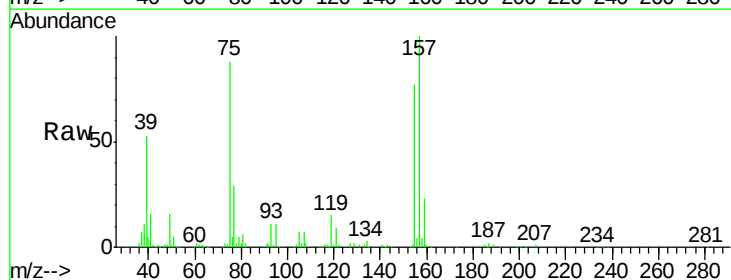
Tgt Ion: 75 Resp: 138730

Ion Ratio Lower Upper

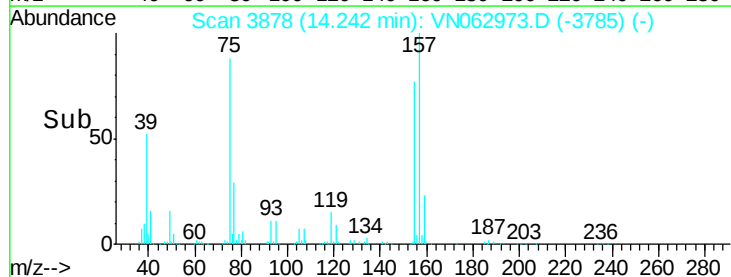
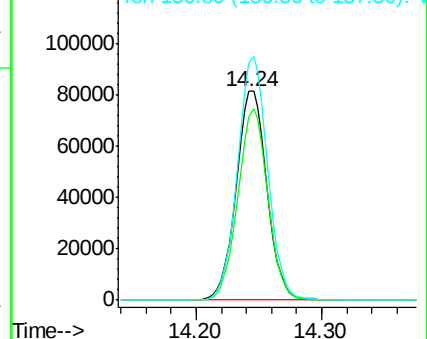
75 100

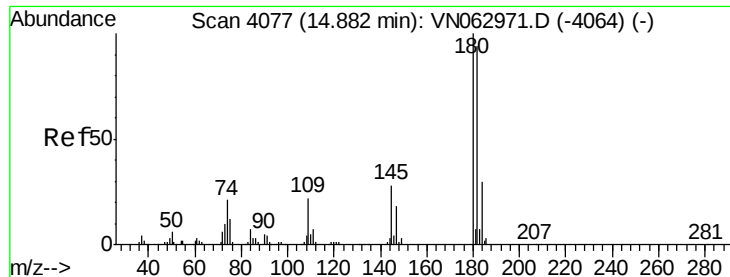
155 89.1 47.6 142.8

157 114.3 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





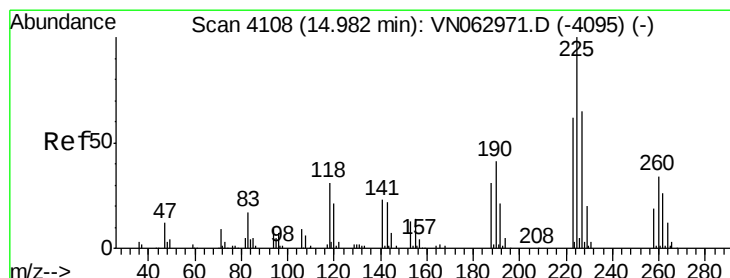
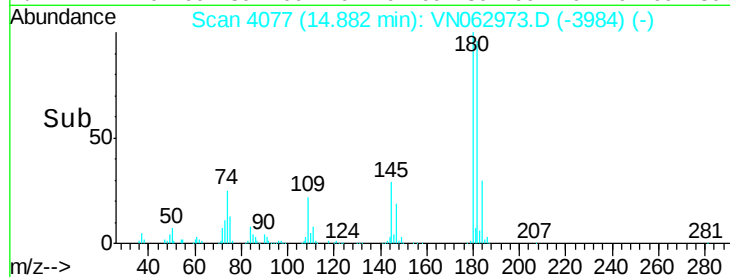
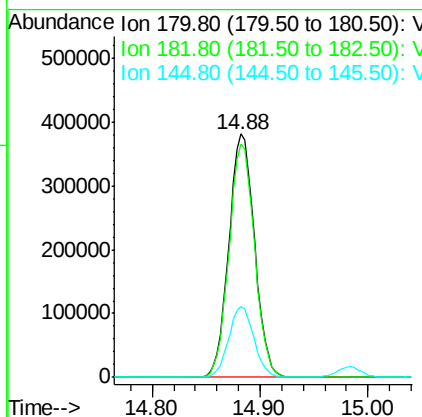
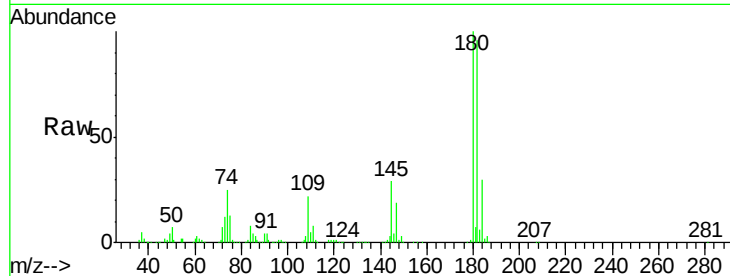
#93
 1,2,4-Trichlorobenzene
 Concen: 200.837 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	630335
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	28.6	13.9	41.7

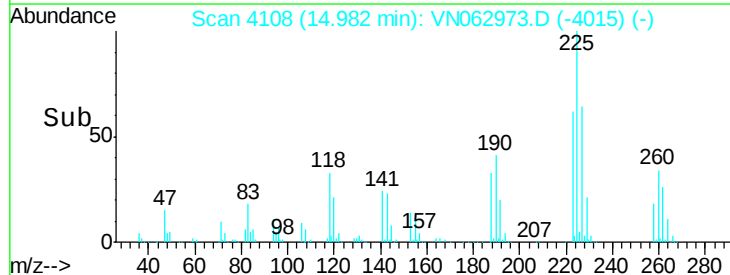
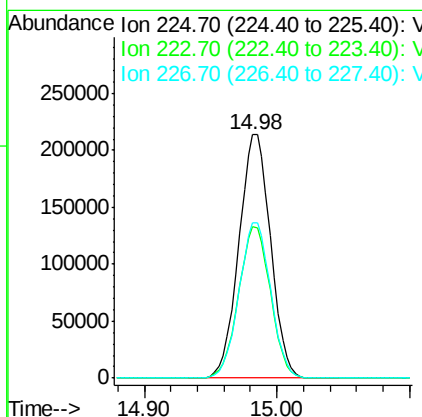
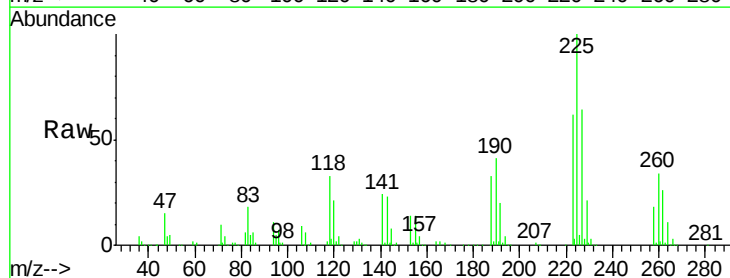
Manual Integrations
 APPROVED

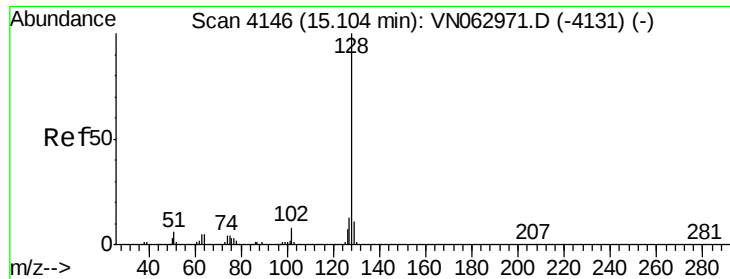
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#94
 Hexachlorobutadiene
 Concen: 150.725 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062973.D
 Acq: 17 Aug 2020 15:26

Tgt Ion:	225	Resp:	354718
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.9	92.5
227	63.9	32.0	96.0





#95

Naphthalene

Concen: 196.667 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1584242

Ion Ratio Lower Upper

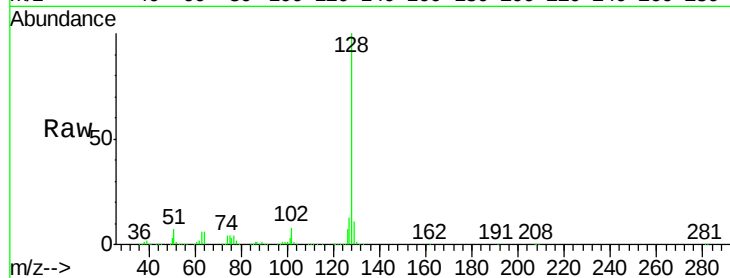
128 100

127 12.8 10.6 15.8

129 10.8 8.6 12.8

Manual Integrations
APPROVED

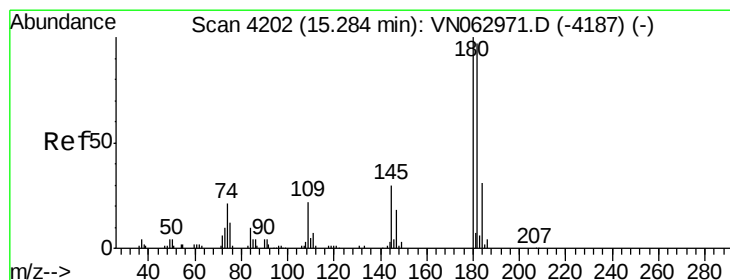
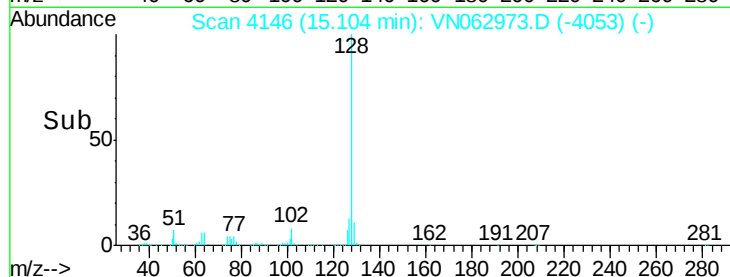
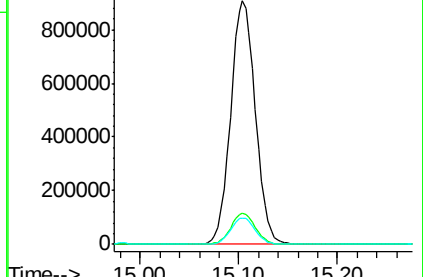
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 201.962 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062973.D

Acq: 17 Aug 2020 15:26

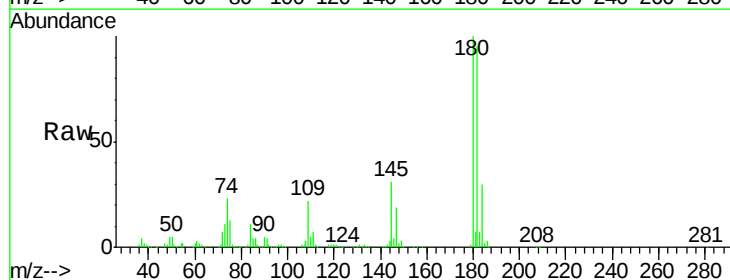
Tgt Ion:180 Resp: 613544

Ion Ratio Lower Upper

180 100

182 95.3 49.3 147.8

145 30.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

