

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061732.D
 Acq On : 10 Jun 2020 11:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:32 PM

Quant Time: Jun 10 12:11:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	64221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	348090	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	333851	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	119369	22.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	74.03%
60) 4-Bromofluorobenzene	12.38	95	150585	27.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.23%
63) Toluene-d8	10.06	98	420406	27.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	286848	99.832	ug/l 99
3) Chloromethane	2.03	50	342217	70.195	ug/l 98
4) Vinyl Chloride	2.16	62	470535	71.880	ug/l 100
5) Bromomethane	2.52	94	309659	89.146	ug/l 96
6) Chloroethane	2.66	64	329134	74.296	ug/l 97
7) Trichlorofluoromethane	2.98	101	660778	88.909	ug/l 99
8) Diethyl Ether	3.37	74	214861	92.430	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	332283	103.435	ug/l 98
10) 1,1-Dichloroethene	3.70	96	341715	101.828	ug/l 96
11) Methyl Iodide	3.91	142	486314	126.965	ug/l 98
12) Methyl Acetate	4.28	43	273896	71.880	ug/l 98
13) Acrolein	3.56	56	177506	282.074	ug/l 95
14) Acrylonitrile	4.93	53	705304	391.521	ug/l # 92
15) Acetone	3.77	58	198638	441.364	ug/l 94
16) Carbon Disulfide	4.01	76	708852	78.584	ug/l 99
17) Allyl chloride	4.27	41	409235	65.610	ug/l 98
18) Methylene Chloride	4.50	84	383412	94.920	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	384436	96.928	ug/l 96
20) Diisopropyl ether	5.90	45	929446	64.202	ug/l 95
21) 1,1-Dichloroethane	5.80	63	609611	78.138	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	446945	97.195	ug/l 97
23) tert-Butyl Alcohol	4.73	59	273209	464.670	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1094276	83.971	ug/l # 77
25) Chloroform	7.33	83	681234	88.170	ug/l 97
26) Cyclohexane	7.61	56	500669	69.047	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	503258	87.333	ug/l 99
30) 2-Butanone	6.79	43	854047	362.075	ug/l 100
31) 2,2-Dichloropropane	6.77	77	564125	83.636	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	616233	93.434	ug/l 99
33) Carbon Tetrachloride	7.73	117	524870	102.668	ug/l 98
34) Benzene	8.00	78	1542893	93.356	ug/l # 92
35) Methacrylonitrile	7.12	41	149978	66.195	ug/l # 75
36) 1,2-Dichloroethane	8.09	62	487344	79.183	ug/l 98
37) Trichloroethene	8.80	130	479732	112.683	ug/l 100
38) Methylcyclohexane	9.05	83	579611	84.567	ug/l 99
39) 1,2-Dichloropropane	9.09	63	363237	82.171	ug/l 97
40) Dibromomethane	9.18	93	277084	97.522	ug/l 98

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	561169	92.501	ug/l	99
42) Vinyl Acetate	5.84	43	3573597	323.087	ug/l	100
43) Ethyl Acetate	6.88	43	364450	74.745	ug/l	98
44) Isopropyl Acetate	8.13	43	637394	66.302	ug/l	100
45) 1,4-Dioxane	9.17	88	133882	2996.982	ug/l	95
46) Methyl methacrylate	9.17	41	284046	63.604	ug/l	98
47) n-amyl Acetate	12.04	43	587516	69.197	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	609520	87.158	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	647021	86.532	ug/l	99
50) 1,1,2-Trichloroethane	10.54	97	397364	100.725	ug/l	97
51) Ethyl methacrylate	10.40	69	564550	87.382	ug/l	98
52) 1,3-Dichloropropane	10.68	76	642190	91.923	ug/l	99
53) Dibromochloromethane	10.87	129	482418	110.198	ug/l	99
54) 1,2-Dibromoethane	10.98	107	425327	104.222	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1108871	397.436	ug/l	99
56) Bromoform	12.10	173	353413	126.281	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1861868	338.905	ug/l	100
59) 2-Hexanone	10.72	43	1364420	350.545	ug/l	100
61) Tetrachloroethene	10.60	164	546385	126.495	ug/l	96
62) Toluene	10.12	91	1752574	93.604	ug/l	98
64) Chlorobenzene	11.41	112	1133257	100.985	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	425648	103.209	ug/l	99
66) Ethyl Benzene	11.48	91	1961516	92.243	ug/l	98
67) m/p-Xylenes	11.60	106	1554961	195.309	ug/l	98
68) o-Xylene	11.92	106	746609	98.588	ug/l	99
69) Styrene	11.94	104	1287618	99.052	ug/l	99
70) Isopropylbenzene	12.22	105	1950775	95.323	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	505359	90.462	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	489190m	92.690	ug/l	
73) Bromobenzene	12.50	156	527470	118.359	ug/l	98
74) n-propylbenzene	12.57	91	2205210	91.293	ug/l	99
75) 2-Chlorotoluene	12.65	91	1291006	93.240	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	1636677	95.450	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	190221	87.275	ug/l	94
78) 4-Chlorotoluene	12.75	91	1352011	93.046	ug/l	99
79) tert-butylbenzene	12.97	119	1411288	98.840	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	1662505	96.708	ug/l	99
81) sec-Butylbenzene	13.15	105	1820189	93.169	ug/l	100
82) p-Isopropyltoluene	13.26	119	1718695	97.241	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	931213	113.070	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	927700	114.446	ug/l	99
85) n-Butylbenzene	13.59	91	1423983	88.727	ug/l	99
86) Hexachloroethane	13.85	117	226208	92.748	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	881226	112.983	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	95224	82.425	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	550110	123.829	ug/l	99
90) Hexachlorobutadiene	14.98	225	219931	118.209	ug/l	98
91) Naphthalene	15.10	128	1552159	113.371	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	524780	120.624	ug/l	99

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VSTDICC100

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QLast Update : Wed Jun 10 11:59:42 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

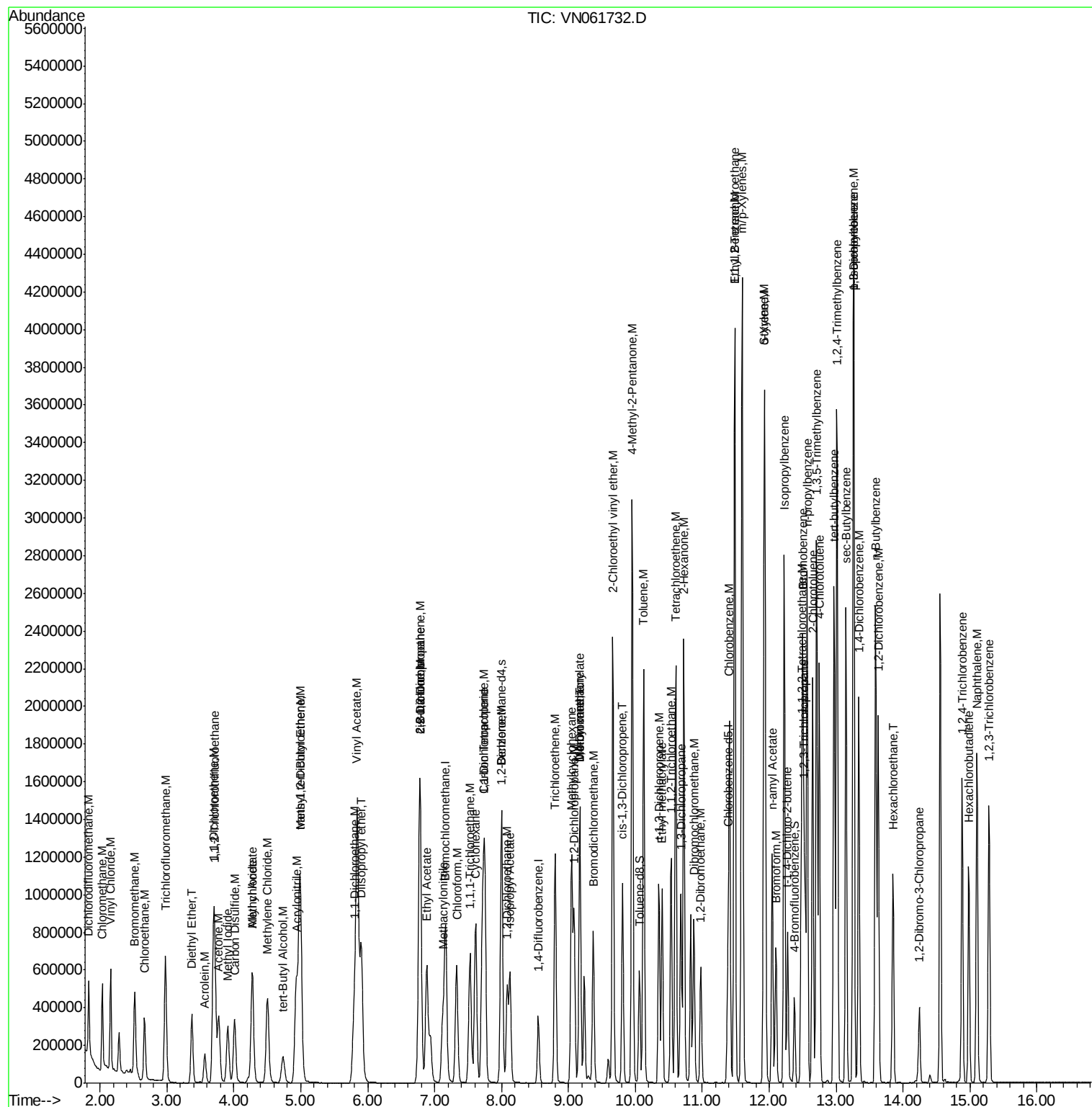
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061732.D
 Acq On : 10 Jun 2020 11:41
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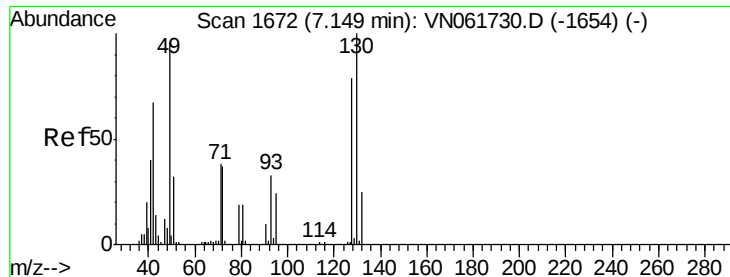
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

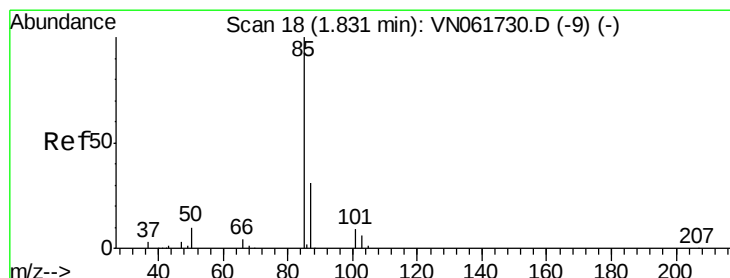
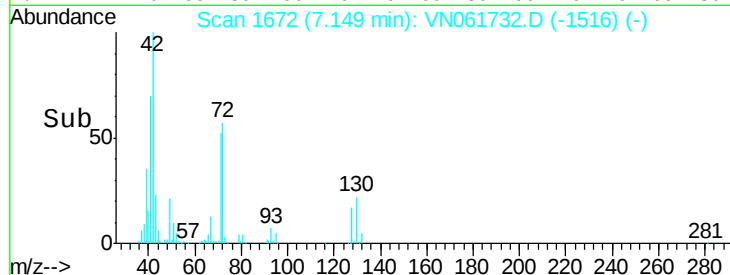
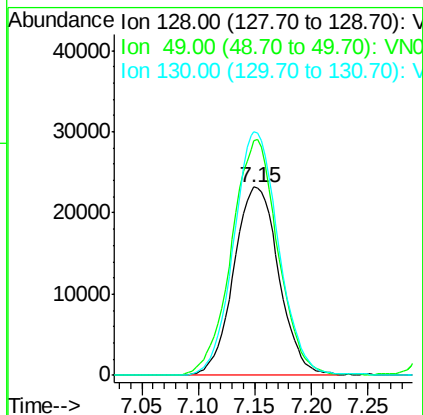
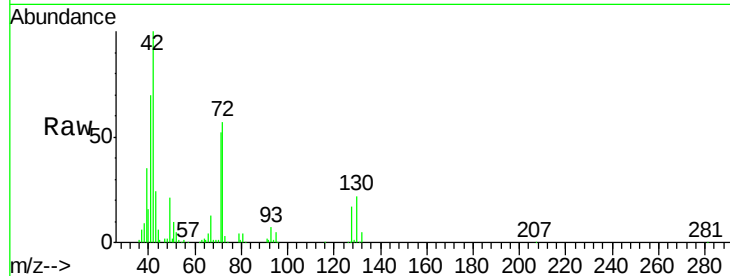
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	64221
Ion	Ratio	Lower	Upper
128	100		
49	128.9	0.0	312.3
130	128.7	0.0	328.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 99.832 ug/l

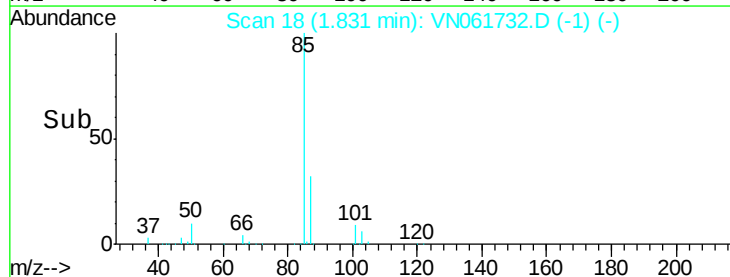
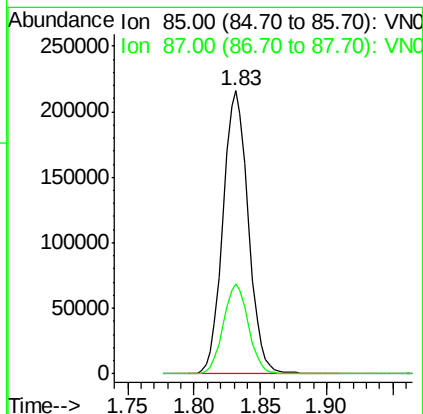
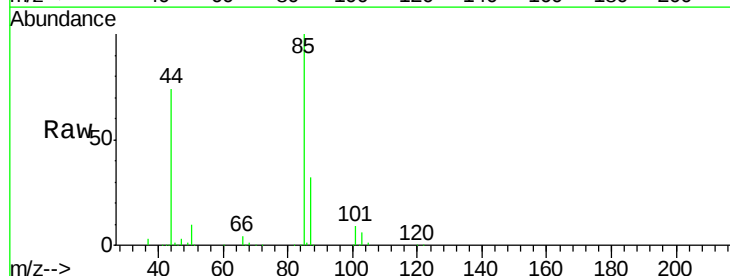
RT: 1.83 min Scan# 18

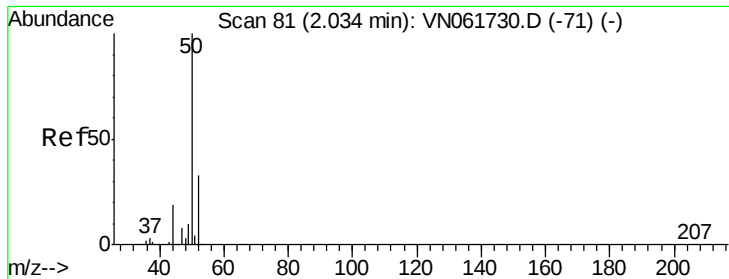
Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Tgt Ion:	85	Resp:	286848
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.7	47.1





#3

Chloromethane

Concen: 70.195 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 342217

Ion Ratio Lower Upper

50 100

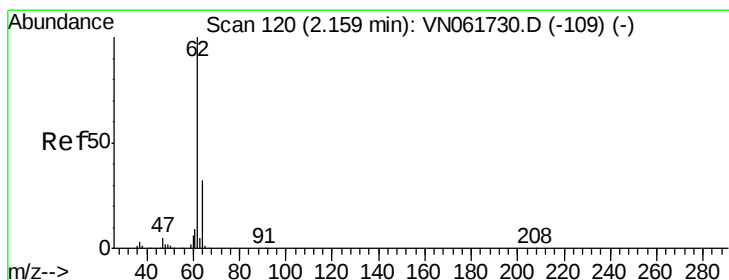
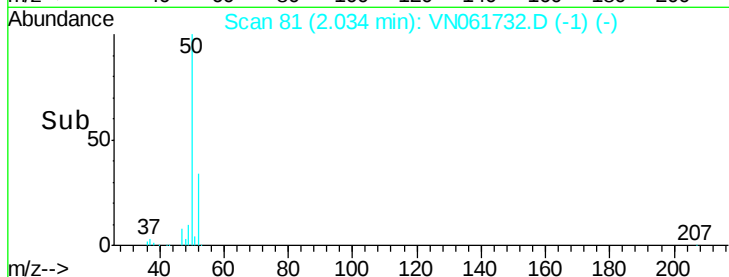
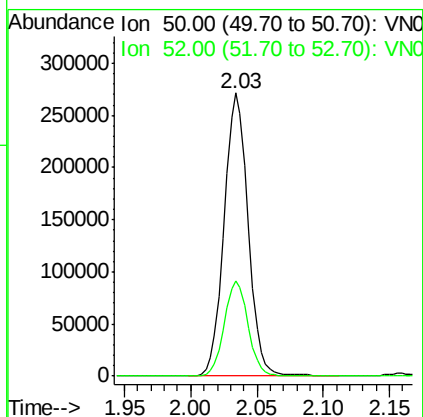
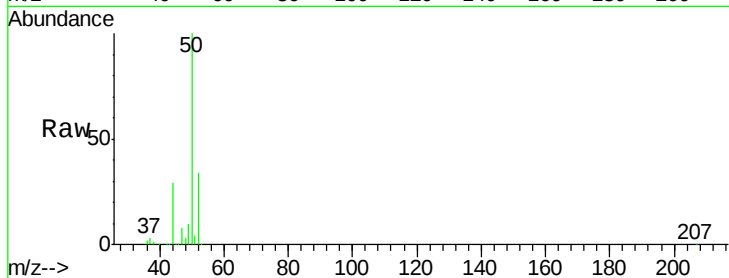
52 33.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 71.880 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061732.D

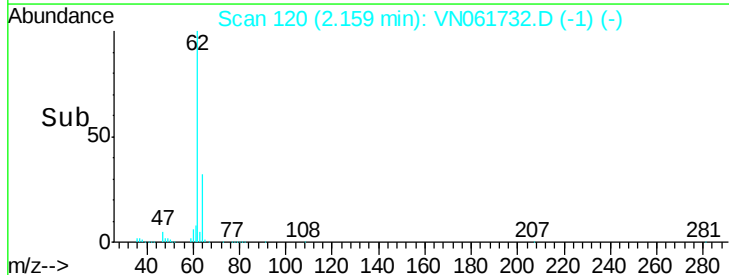
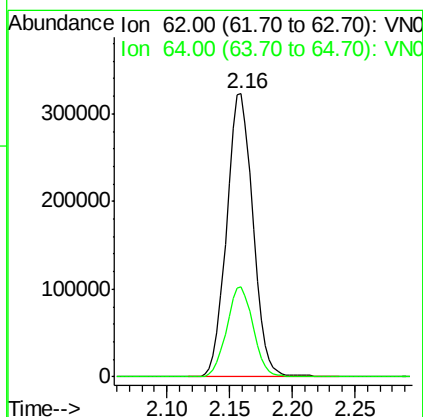
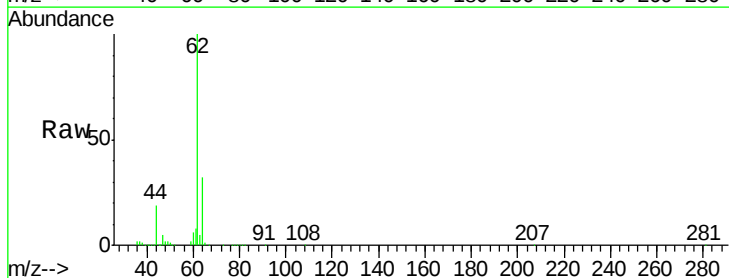
Acq: 10 Jun 2020 11:41

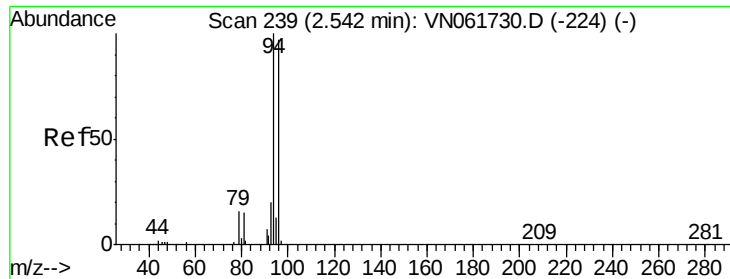
Tgt Ion: 62 Resp: 470535

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 89.146 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 309659

Ion Ratio Lower Upper

94 100

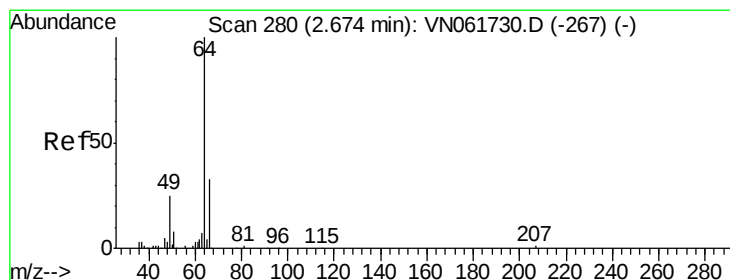
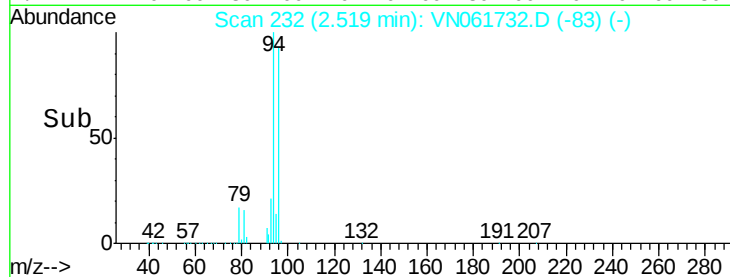
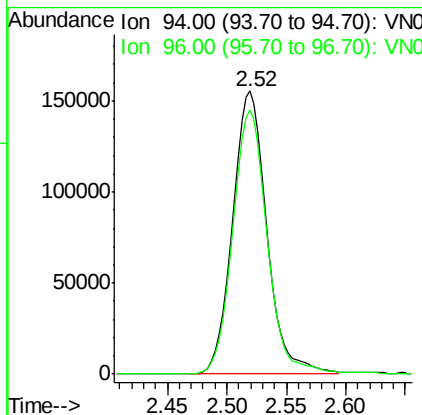
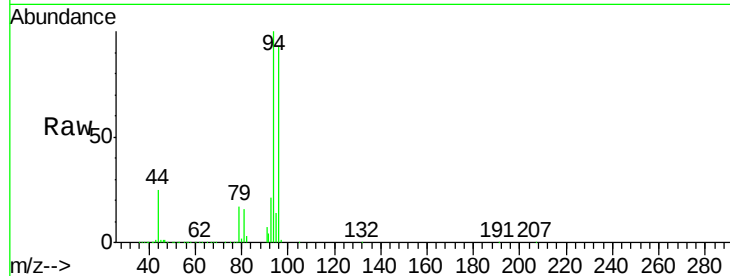
96 93.2 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 74.296 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN061732.D

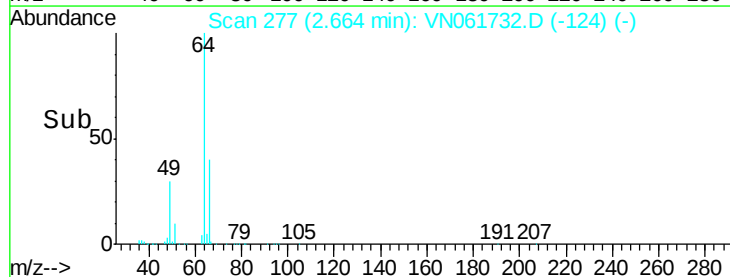
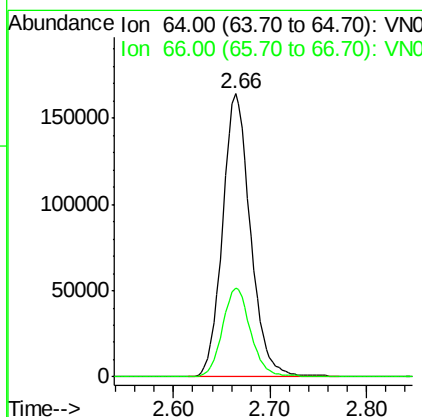
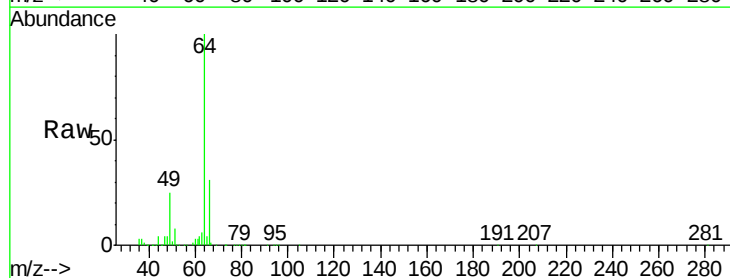
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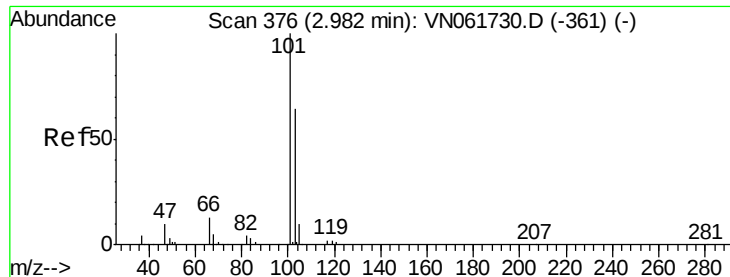
Tgt Ion: 64 Resp: 329134

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8





#7

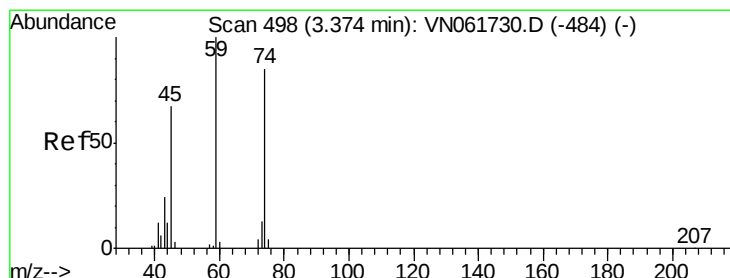
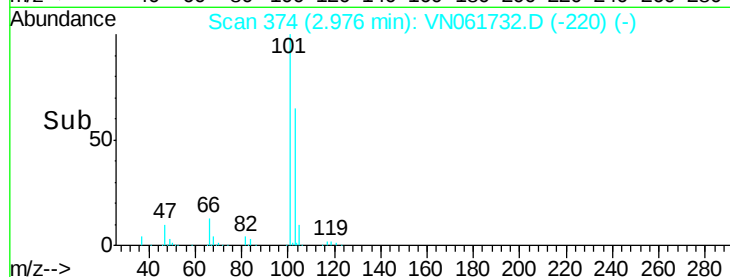
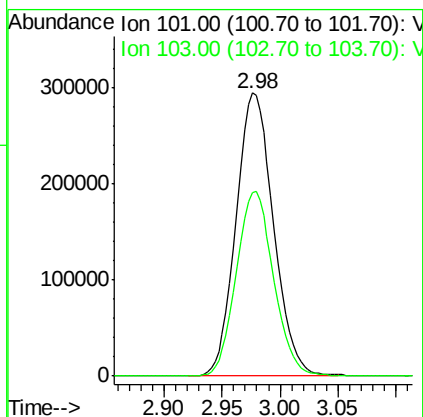
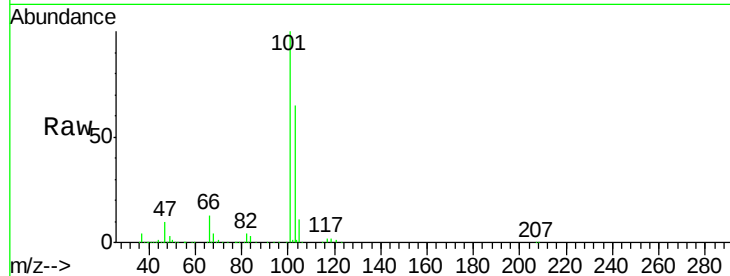
Trichlorofluoromethane
Concen: 88.909 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.01 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.1	76.7

Manual Integrations
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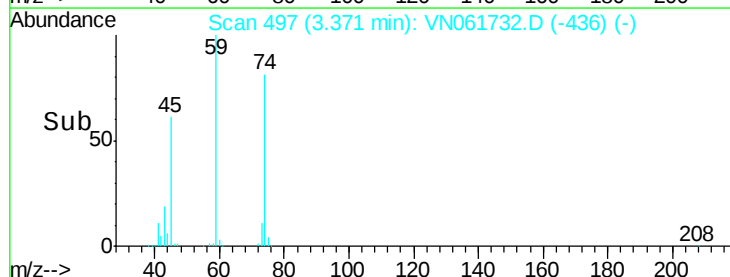
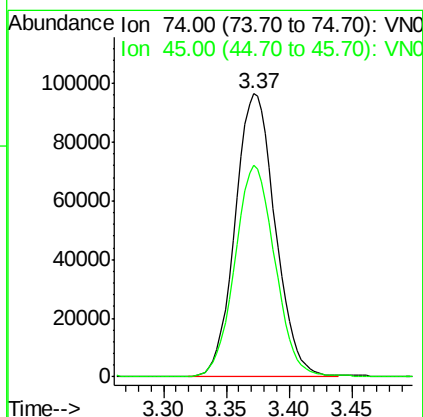
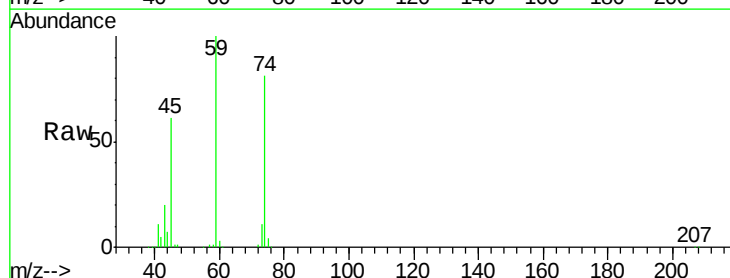
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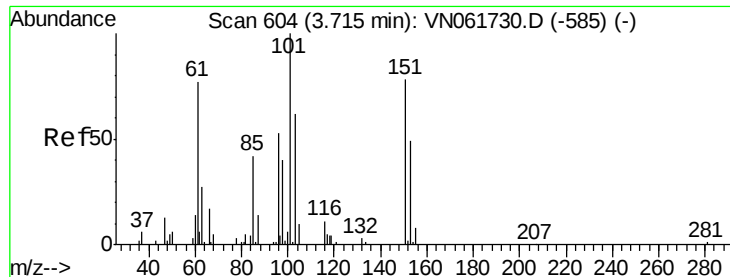


#8

Diethyl Ether
Concen: 92.430 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061732.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.5	15.4	138.4





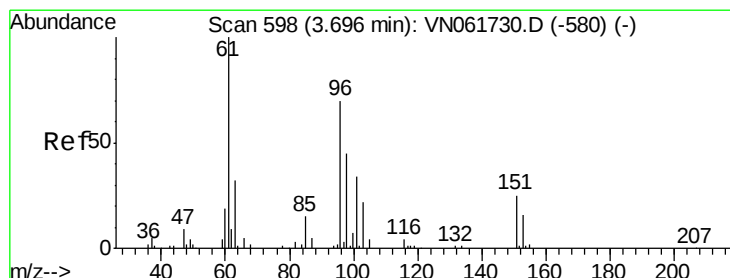
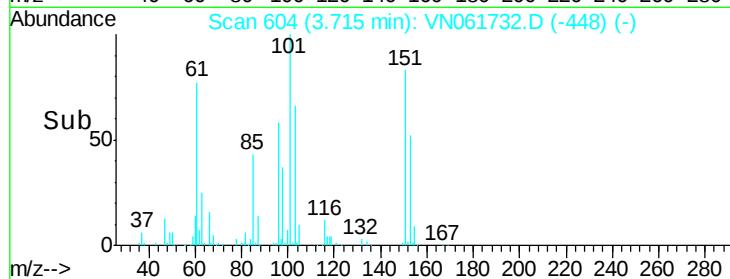
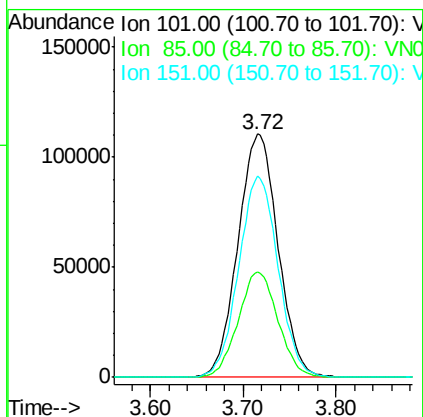
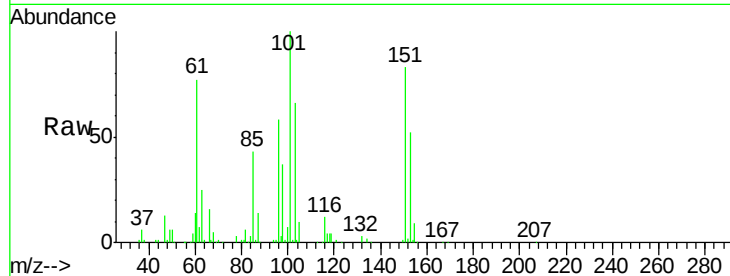
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 103.435 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.8	0.0	84.8
151	81.4	0.0	159.0

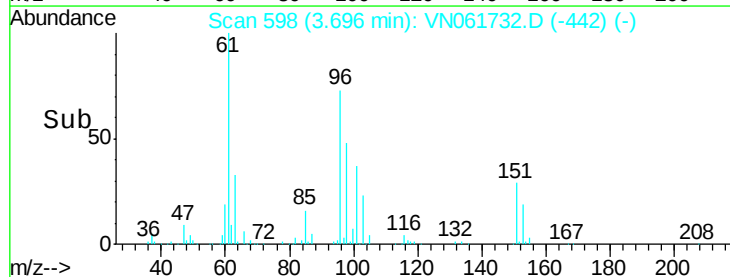
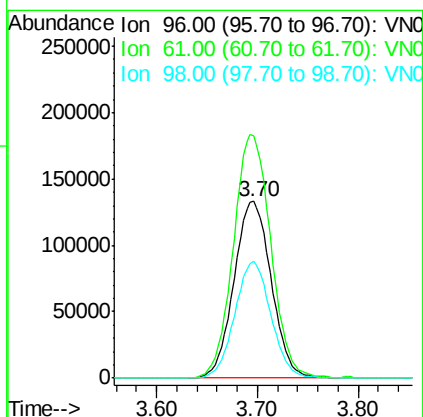
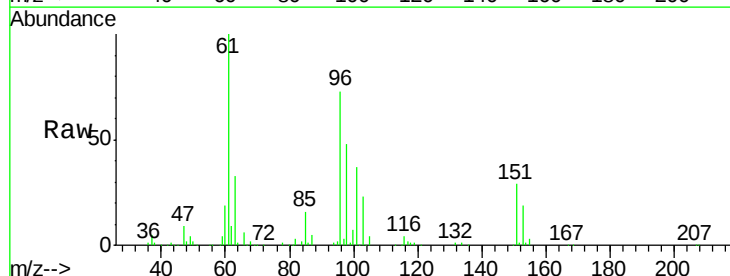
Manual Integrations
 APPROVED

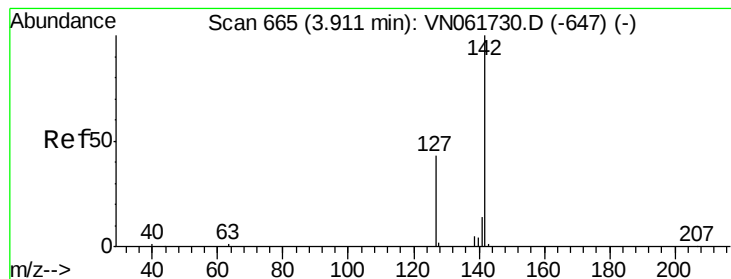
MMDadoda
 6/11/2020 12:44:32 PM



#10
 1,1-Dichloroethene
 Concen: 101.828 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	137.2	114.9	172.3
98	66.1	52.2	78.2





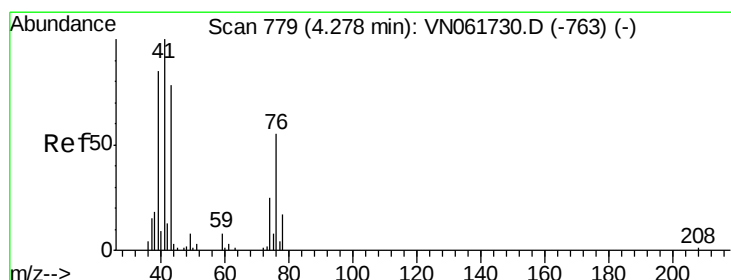
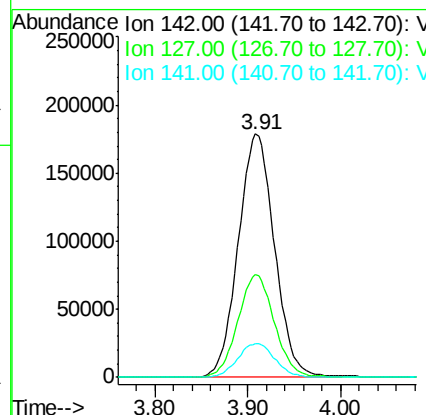
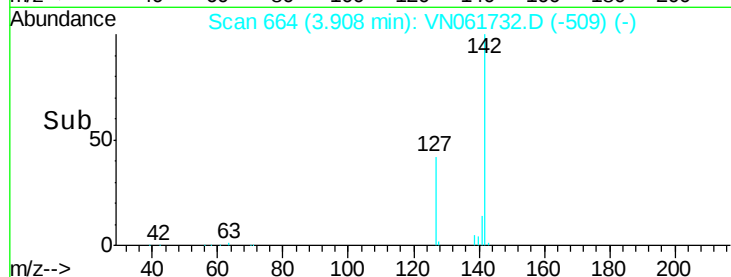
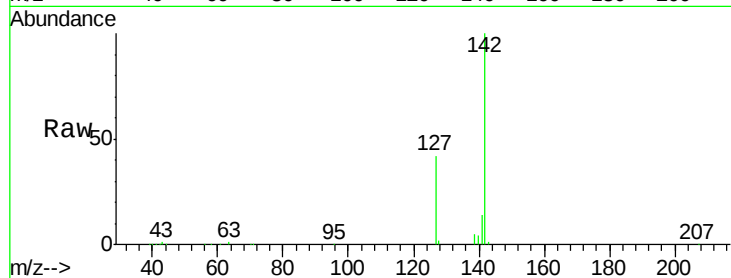
#11
Methyl Iodide
Concen: 126.965 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	21.6	64.6
141	13.7	7.2	21.6

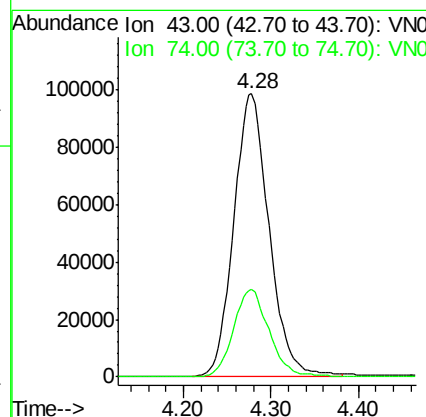
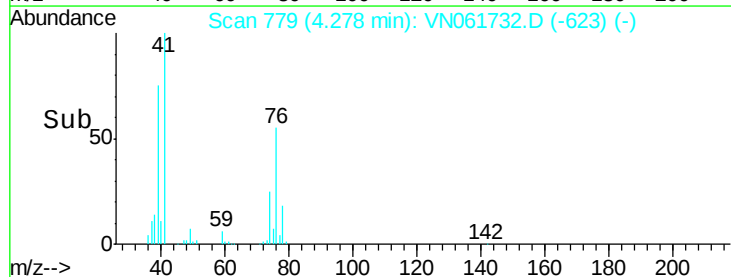
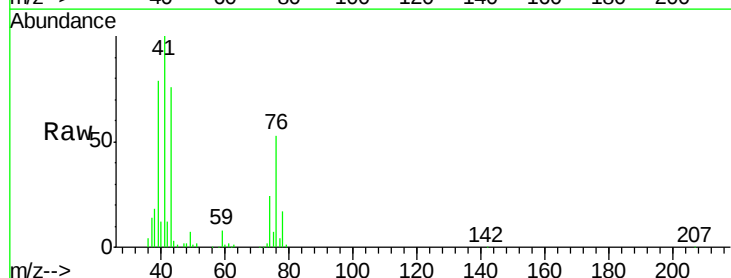
Manual Integrations
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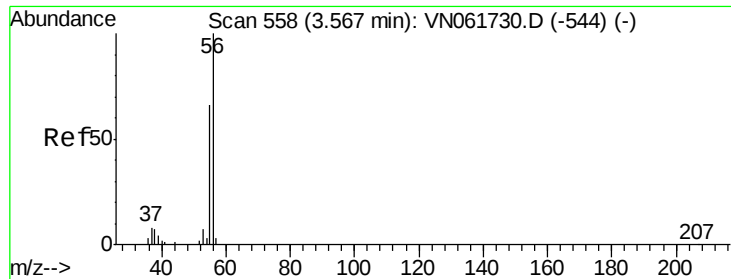
MMDadoda
6/11/2020 12:44:32 PM



#12
Methyl Acetate
Concen: 71.880 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.0	25.8	38.6





#13

Acrolein

Concen: 282.074 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 177506

Ion Ratio Lower Upper

56 100

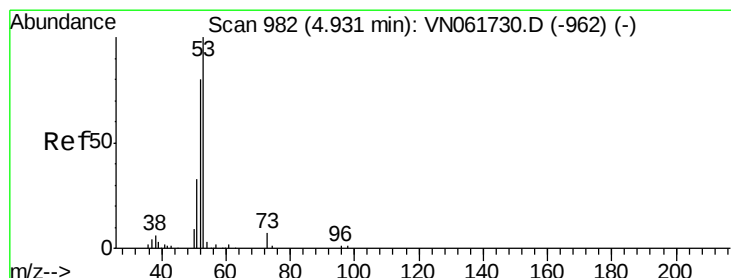
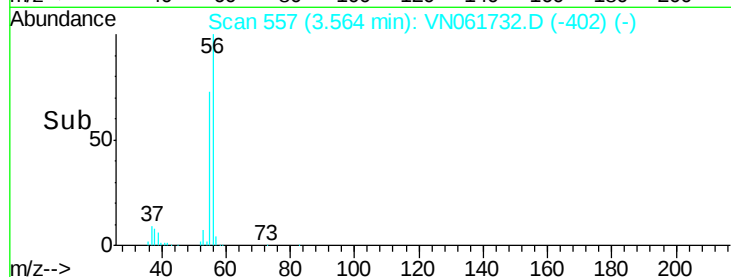
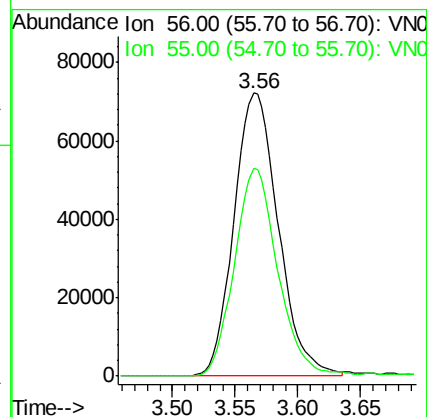
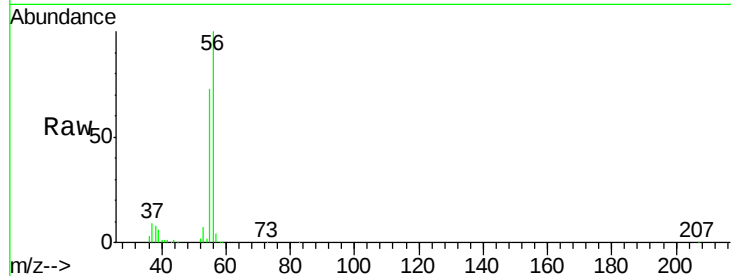
55 71.6 53.9 80.9

Manual Integrations

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#14

Acrylonitrile

Concen: 391.521 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

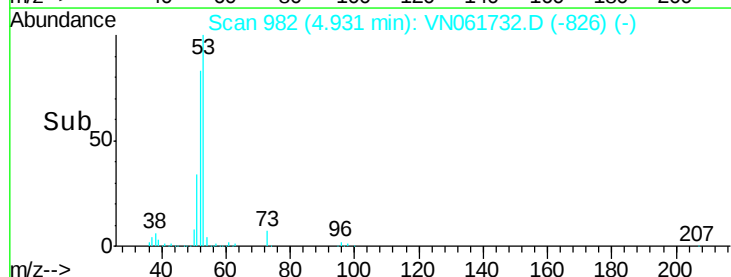
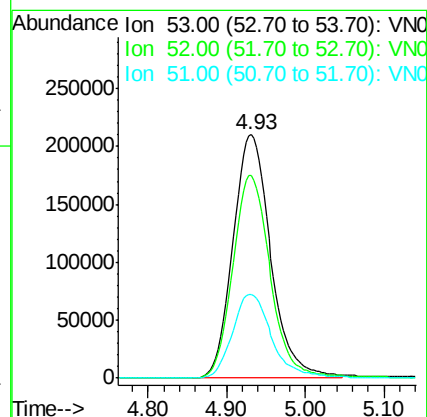
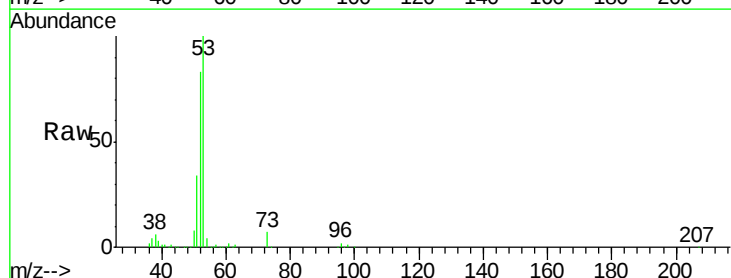
Tgt Ion: 53 Resp: 705304

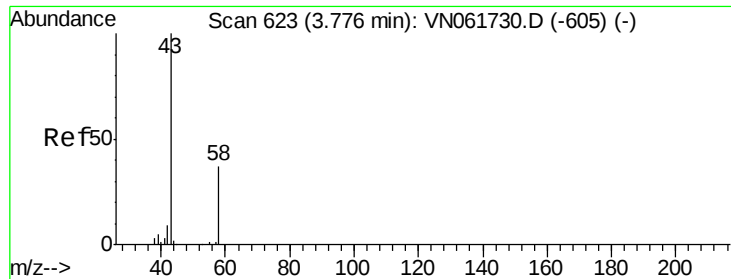
Ion Ratio Lower Upper

53 100

52 82.7 41.3 123.7

51 35.8 8.0 23.8#





#15

Acetone

Concen: 441.364 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 58 Resp: 198638

Ion Ratio Lower Upper

58 100

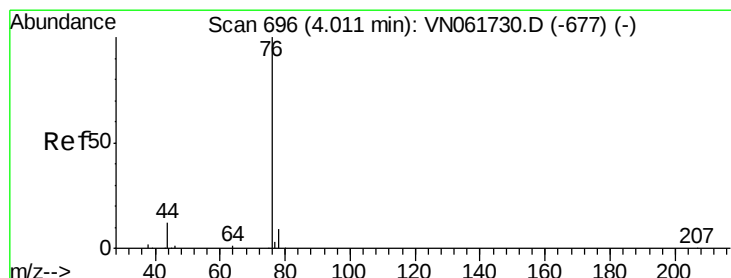
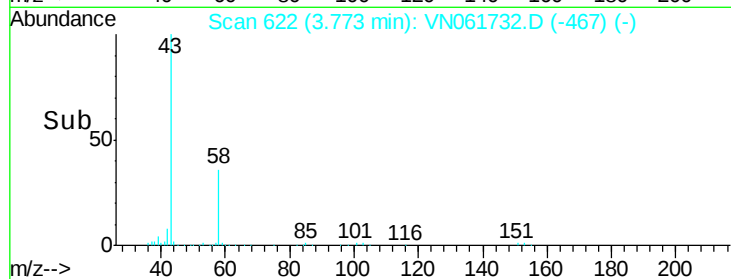
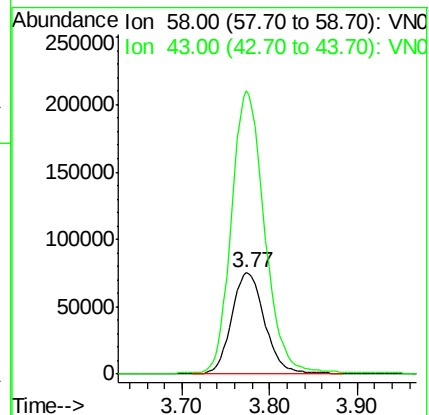
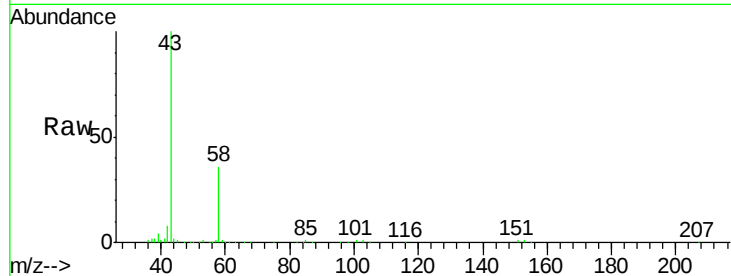
43 278.9 213.7 320.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 78.584 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061732.D

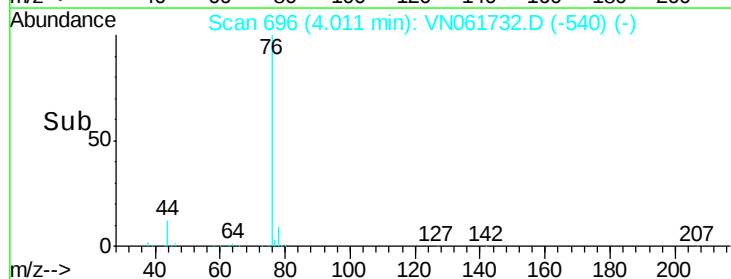
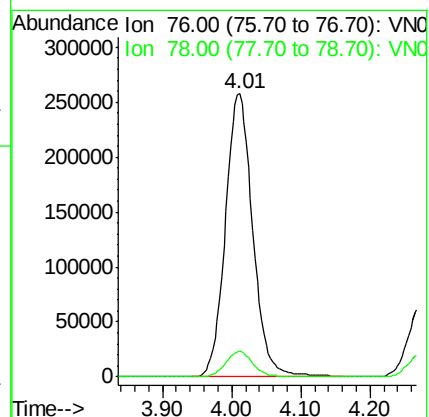
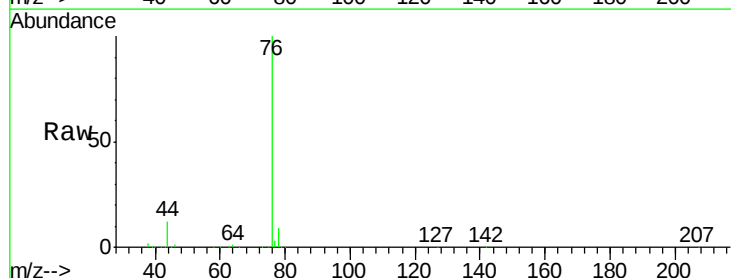
Acq: 10 Jun 2020 11:41

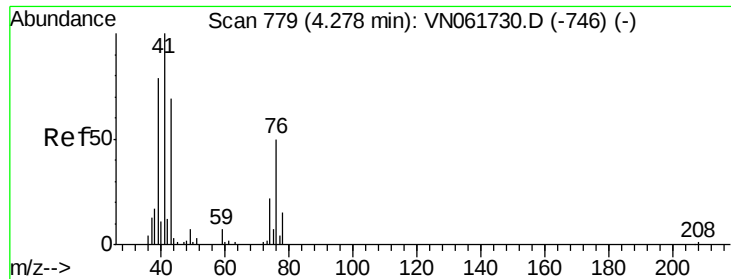
Tgt Ion: 76 Resp: 708852

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





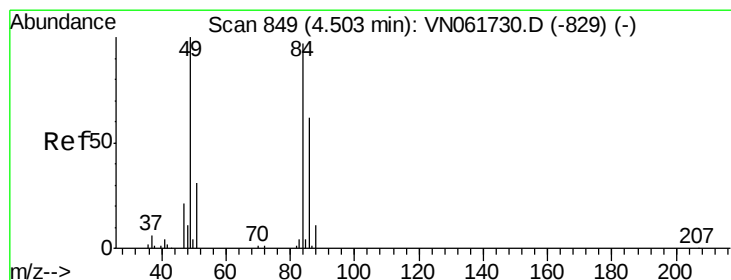
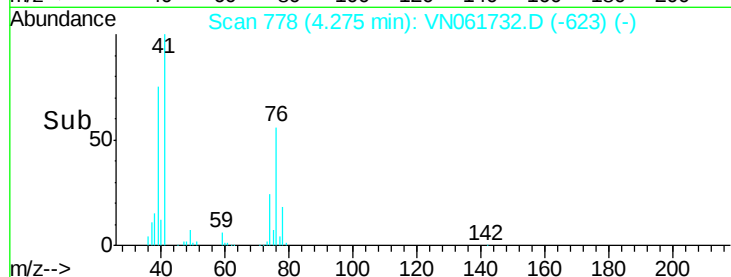
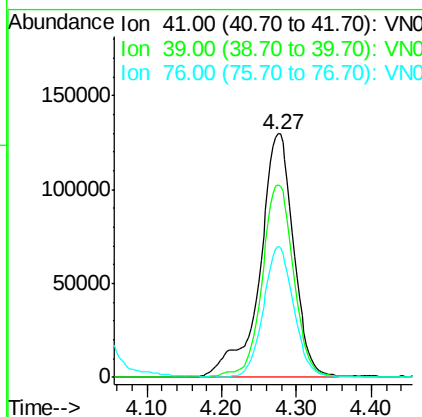
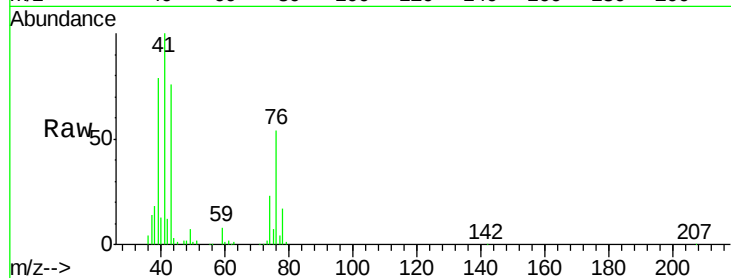
#17
Allvl chloride
Concen: 65.610 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	409235
Ion Ratio	Lower	Upper	
41	100		
39	79.3	39.5	118.5
76	53.4	24.9	74.7

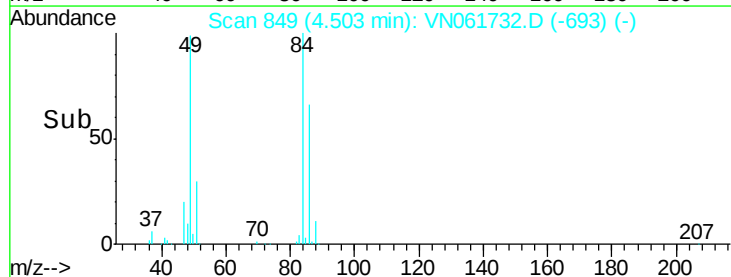
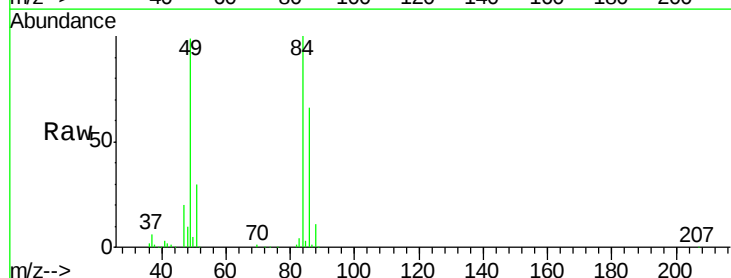
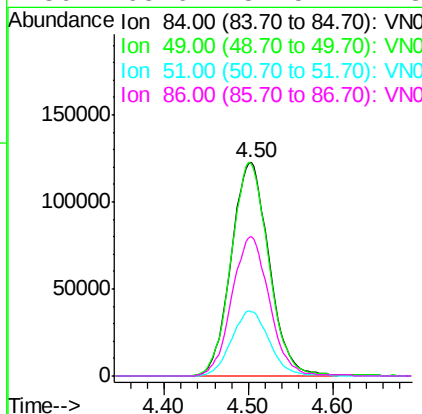
Manual Integrations
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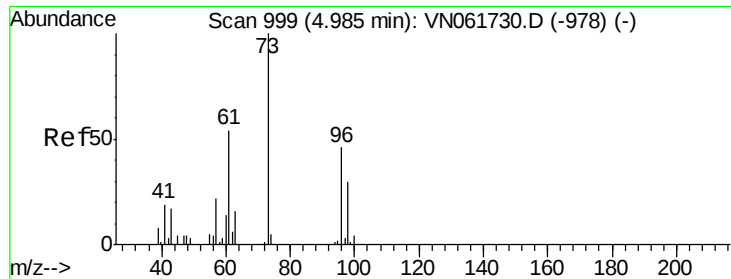
MMDadoda
6/11/2020 12:44:32 PM



#18
Methylene Chloride
Concen: 94.920 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion:	84	Resp:	383412
Ion Ratio	Lower	Upper	
84	100		
49	99.2	82.6	124.0
51	30.3	25.4	38.0
86	65.6	51.5	77.3





#19

trans-1,2-Dichloroethene

Concen: 96.928 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

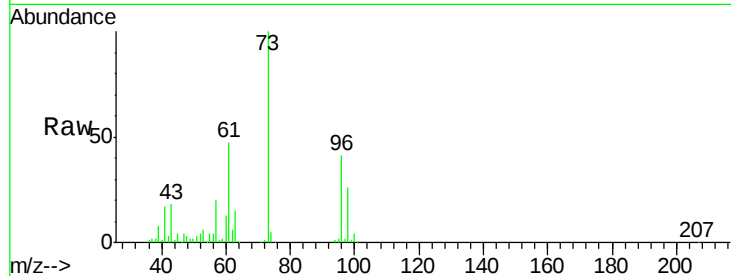
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	384436
Ion	Ratio	Lower	Upper
96	100		
61	114.9	95.4	143.0
98	62.8	52.6	79.0

Manual Integrations
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MMDadoda
6/11/2020 12:44:32 PM

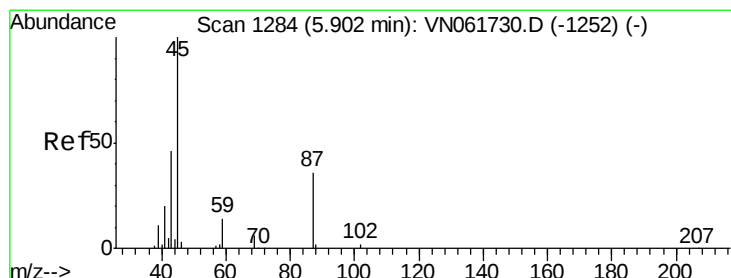
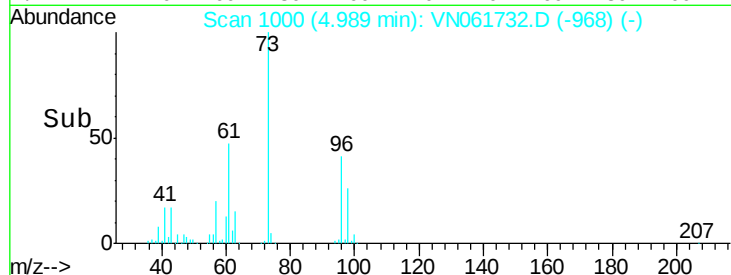
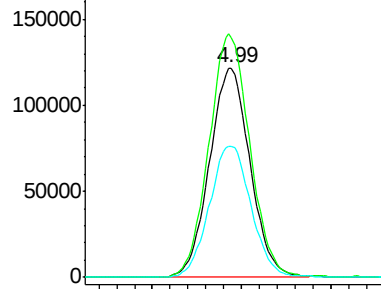


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20

Diisopropyl ether

Concen: 64.202 ug/l

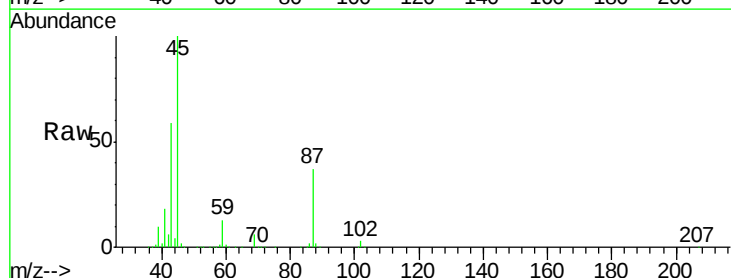
RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Tgt Ion:	45	Resp:	929446
Ion	Ratio	Lower	Upper
45	100		
43	58.0	50.7	76.1
87	36.7	30.1	45.1
59	13.1	11.0	16.4



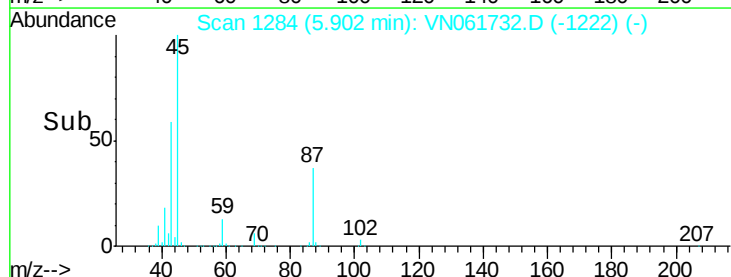
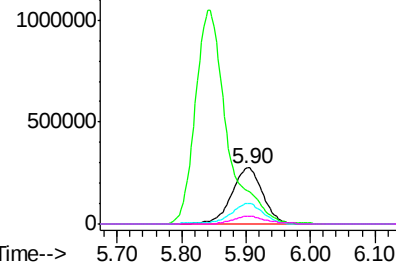
Abundance

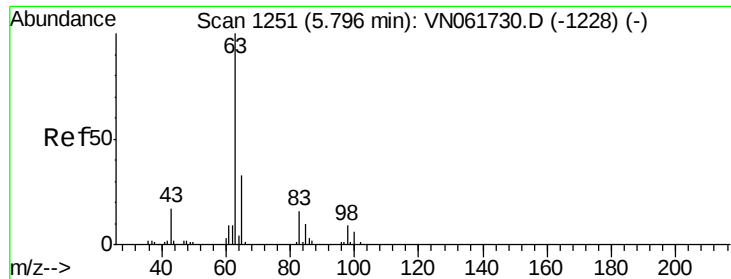
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





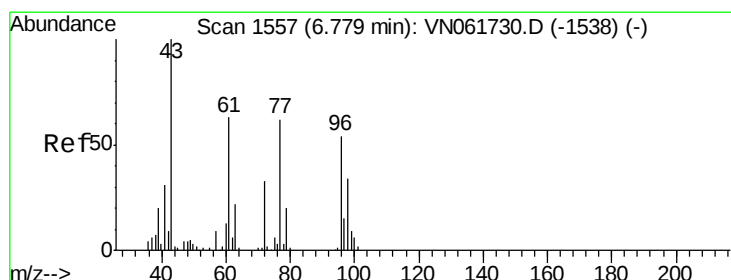
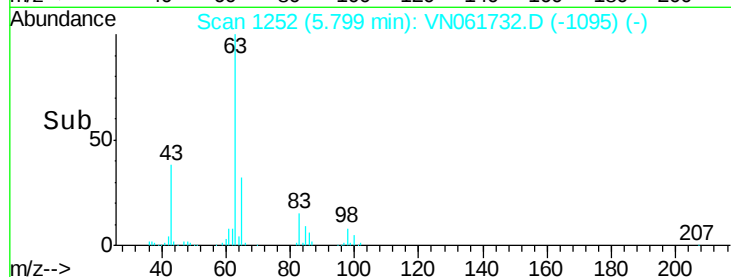
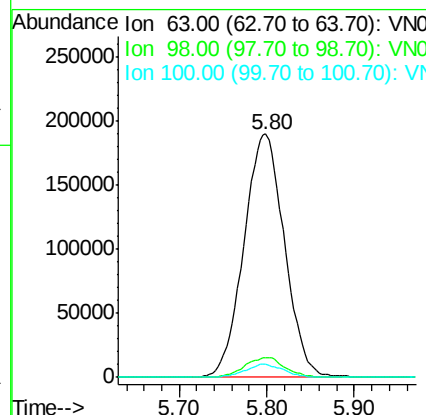
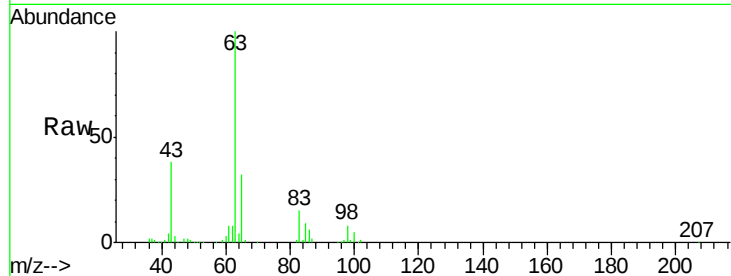
#21
 1,1-Dichloroethane
 Concen: 78.138 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	609611		
98	8.2	4.5	13.7	
100	5.2	2.9	8.7	

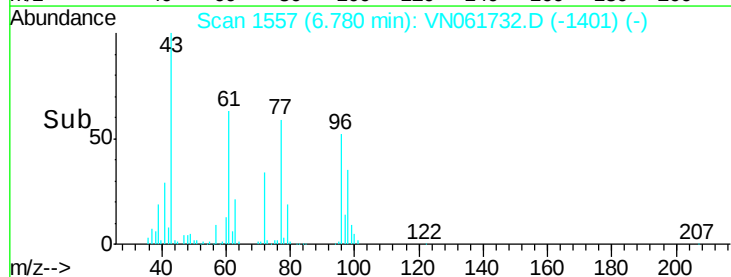
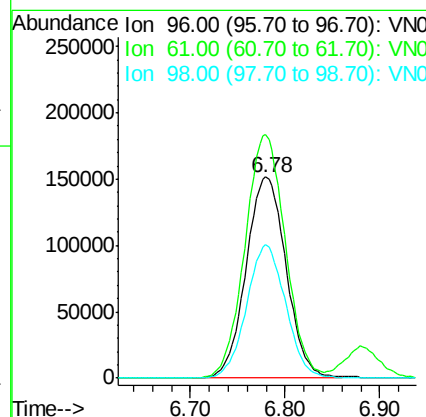
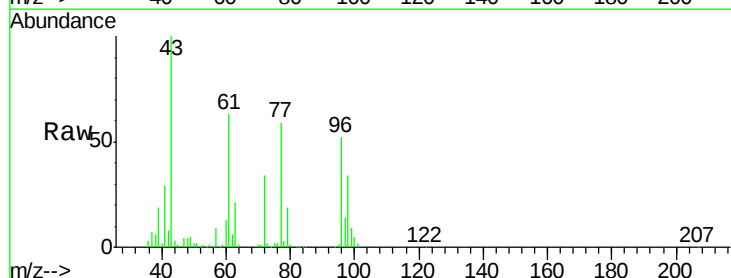
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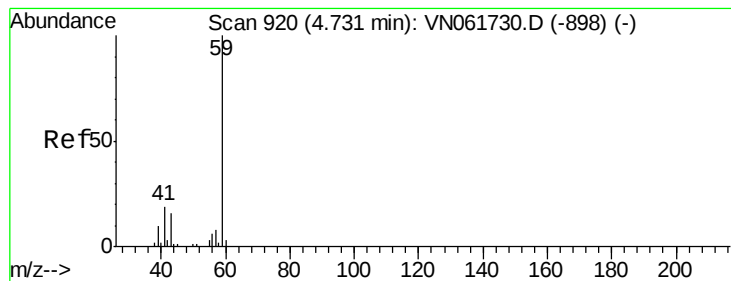
MMDadoda
 6/11/2020 12:44:32 PM



#22
 cis-1,2-Dichloroethene
 Concen: 97.195 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	446945		
61	121.6	100.6	151.0	
98	64.5	52.6	79.0	





#23

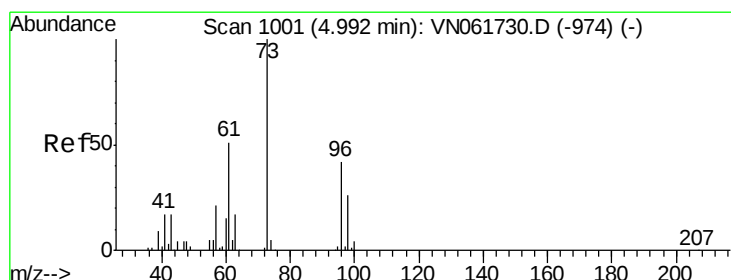
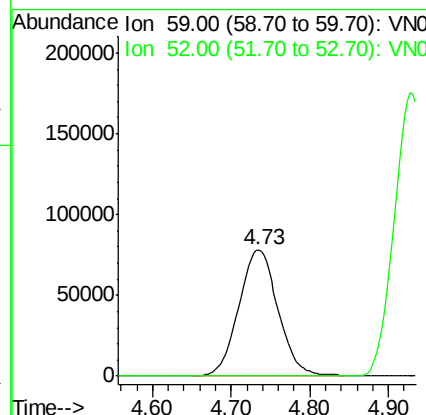
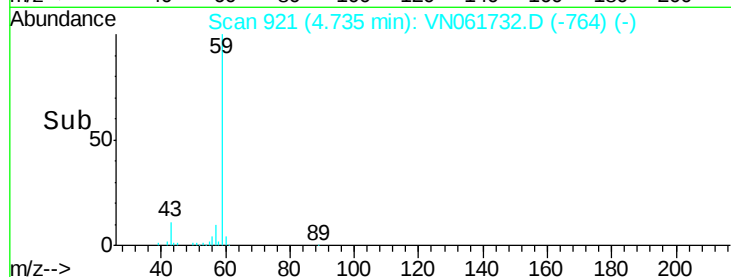
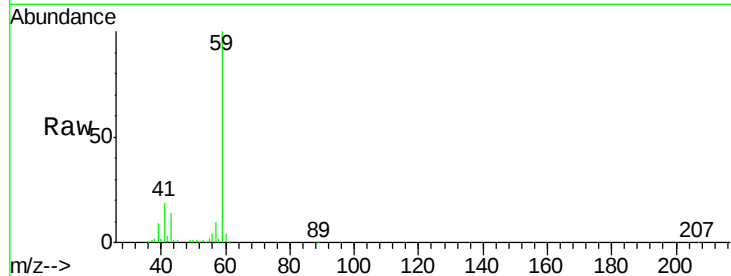
tert-Butyl Alcohol
Concen: 464.670 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		273209		
52	0.0		0.0	0.0	0.0#

Manual Integrations
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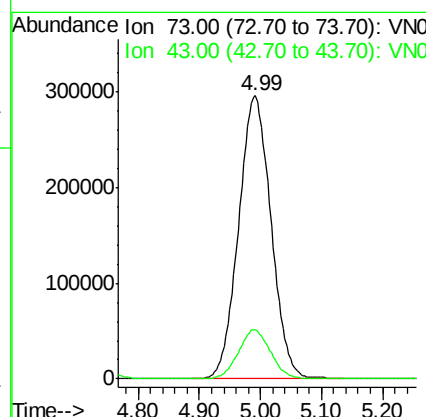
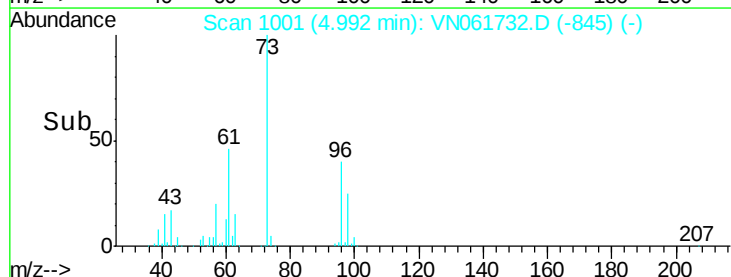
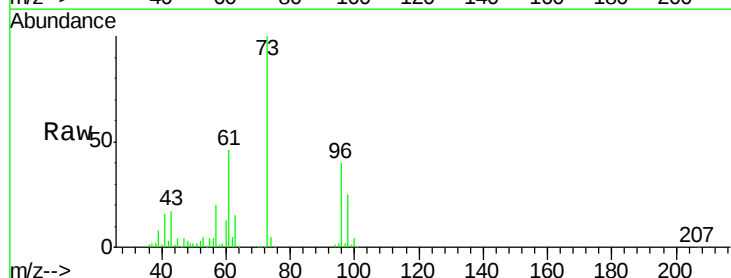
MMDadoda
6/11/2020 12:44:32 PM

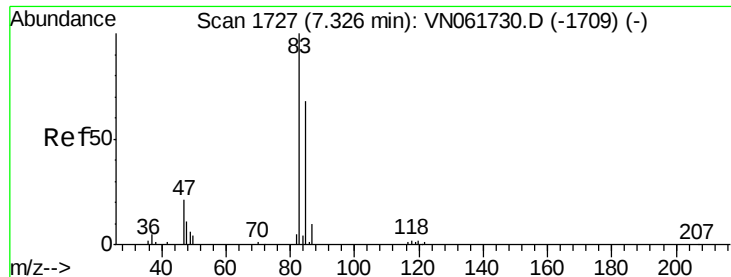


#24

Methyl tert-Butyl Ether
Concen: 83.971 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	16.9		7.0	10.4#





#25

Chloroform

Concen: 88.170 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 681234

Ion Ratio Lower Upper

83 100

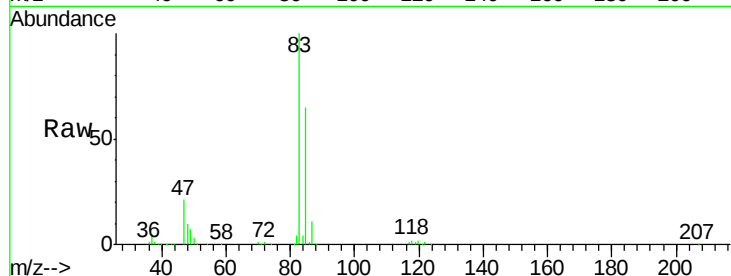
85 65.1 54.2 81.4

Manual Integrations

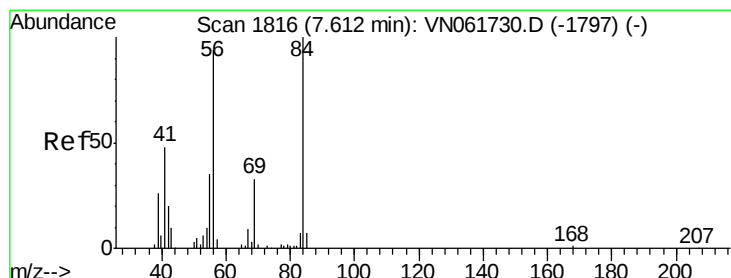
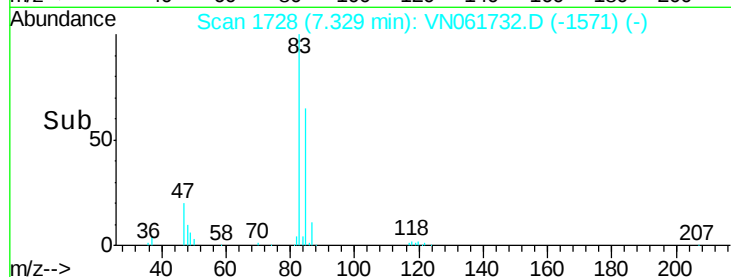
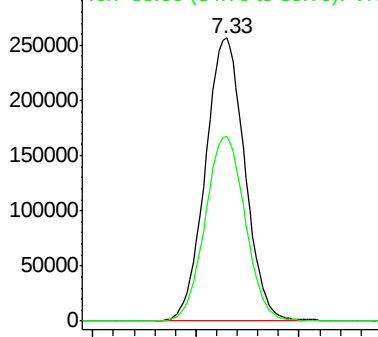
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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 69.047 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

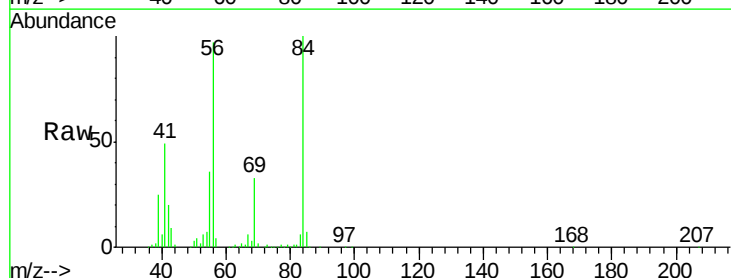
Tgt Ion: 56 Resp: 500669

Ion Ratio Lower Upper

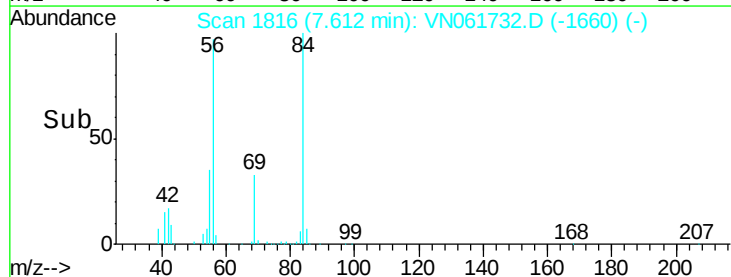
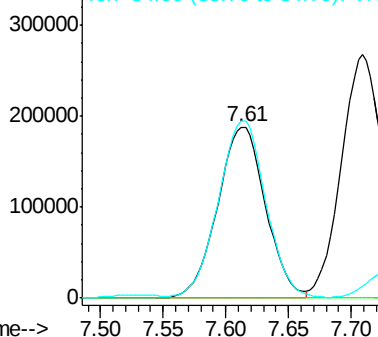
56 100

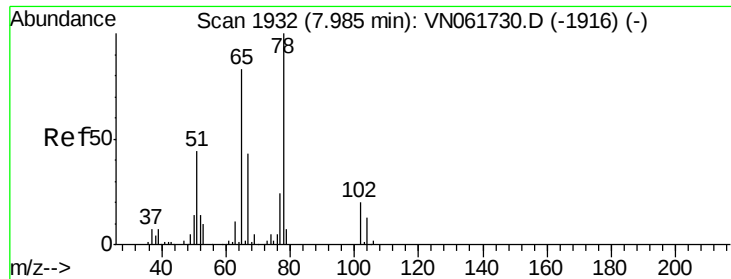
89 0.2 0.0 0.0#

84 103.3 83.5 125.3



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO





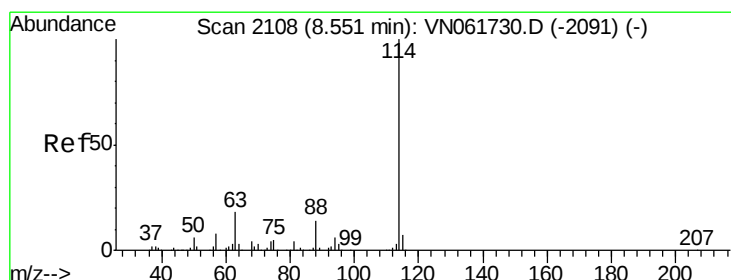
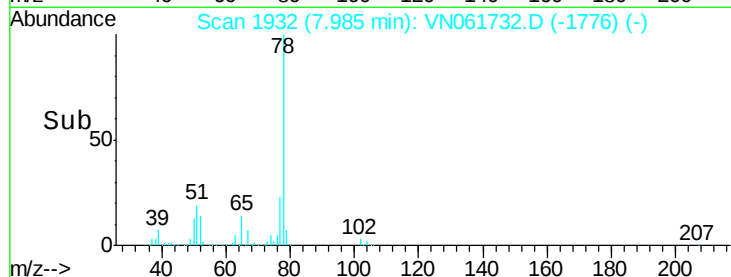
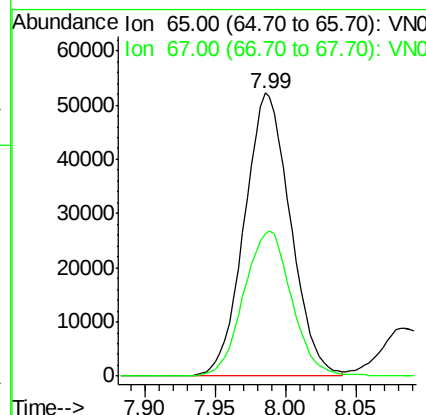
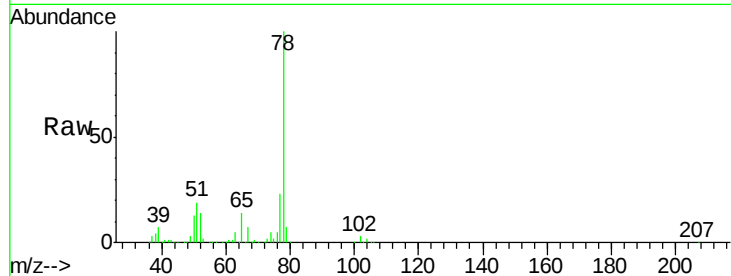
#27
 1,2-Dichloroethane-d4
 Concen: 22.209 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	42.2	63.4

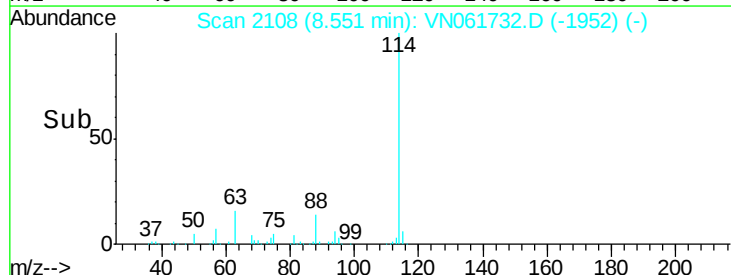
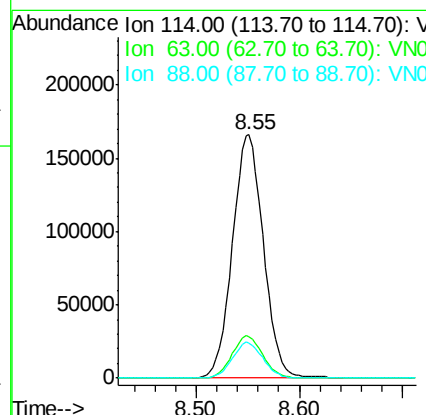
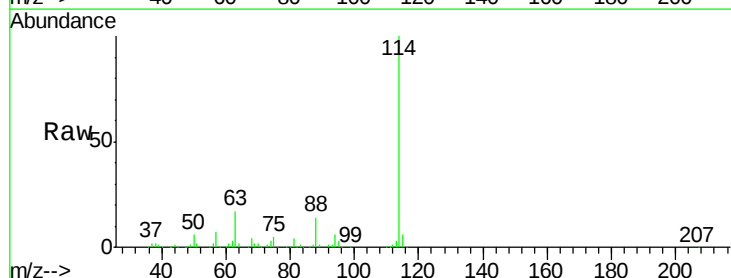
Manual Integrations
 APPROVED

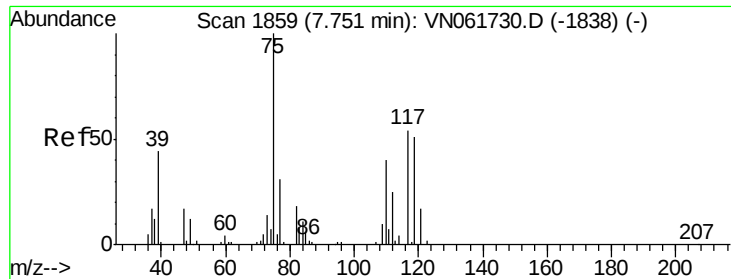
MMDadoda
 6/11/2020 12:44:32 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	14.2	21.2
88	14.5	11.4	17.2





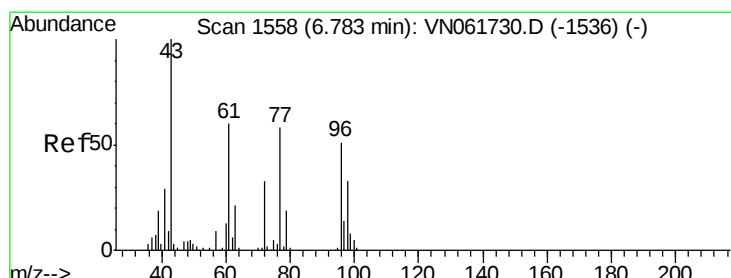
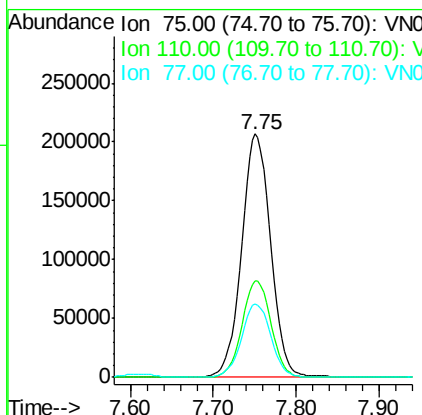
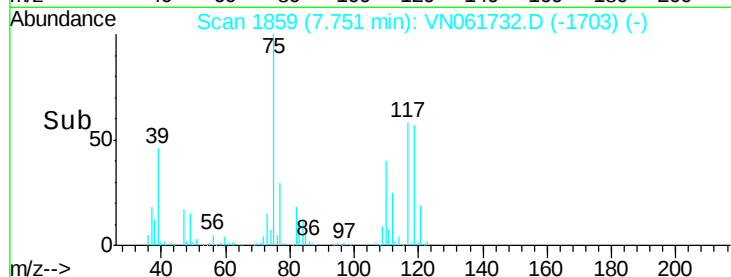
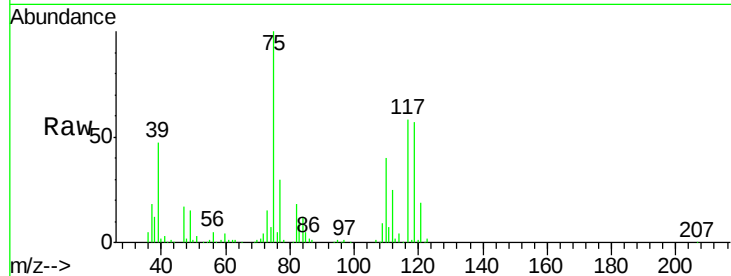
#29
 1,1-Dichloropropene
 Concen: 87.333 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.4	0.0	78.6
77	30.3	0.0	62.4

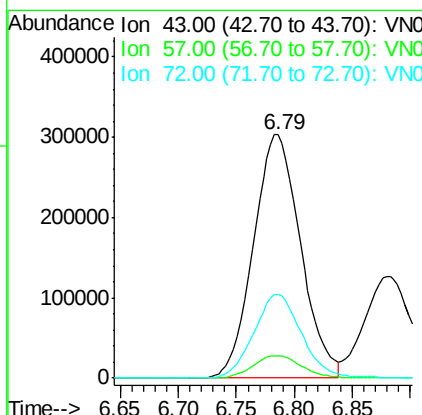
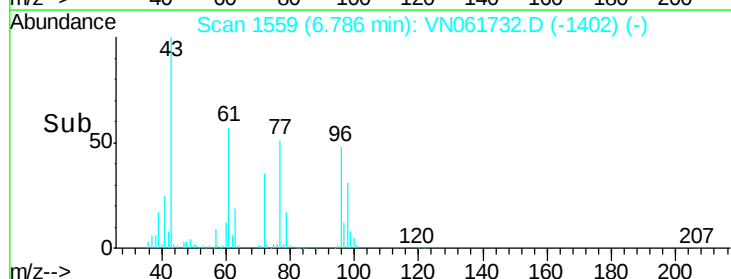
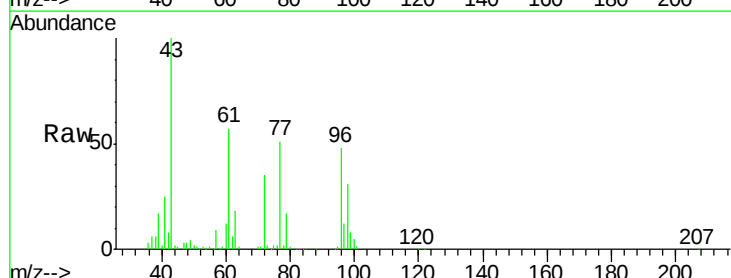
Manual Integrations
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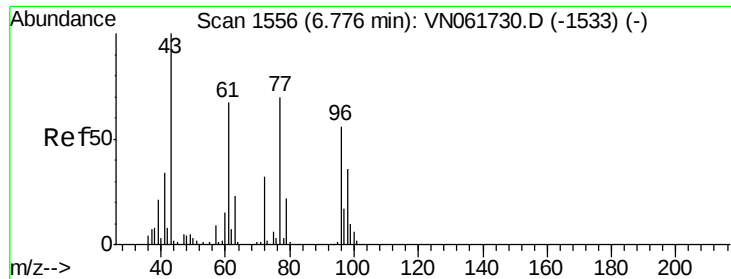
MMDadoda
 6/11/2020 12:44:32 PM



#30
 2-Butanone
 Concen: 362.075 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.5	7.6	11.4
72	35.0	27.8	41.6





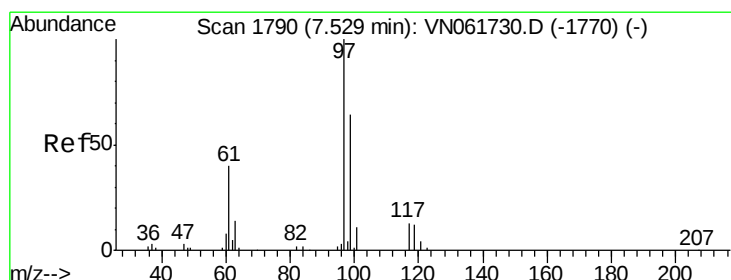
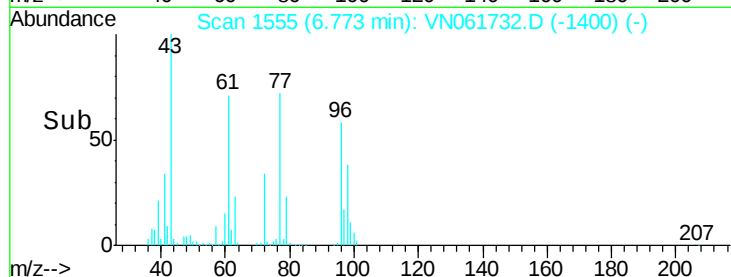
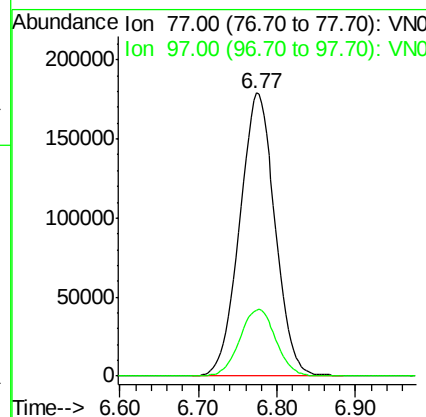
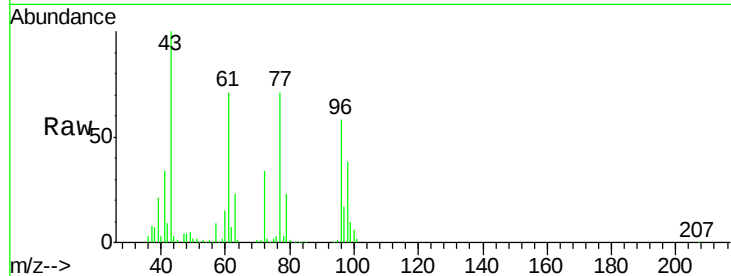
#31
 2,2-Dichloropropane
 Concen: 83.636 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.2	19.6	29.4

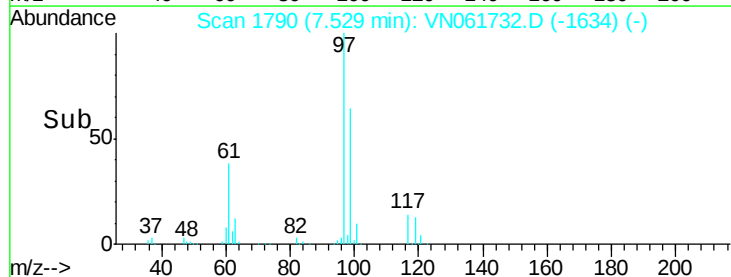
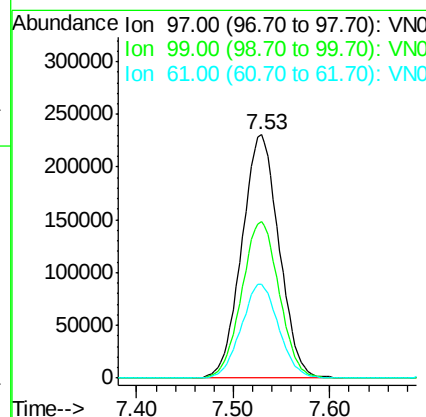
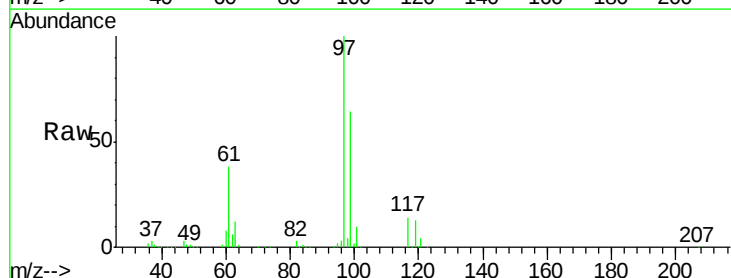
Manual Integrations
 APPROVED

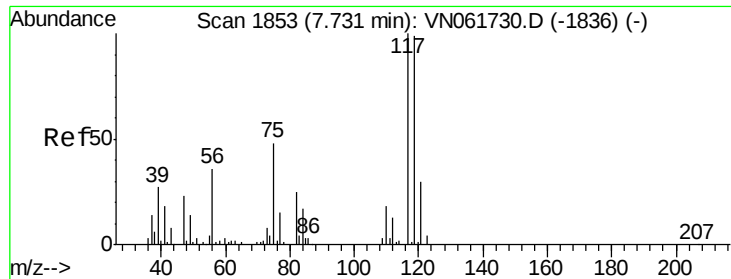
MMDadoda
 6/11/2020 12:44:32 PM



#32
 1,1,1-Trichloroethane
 Concen: 93.434 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	38.9	32.3	48.5





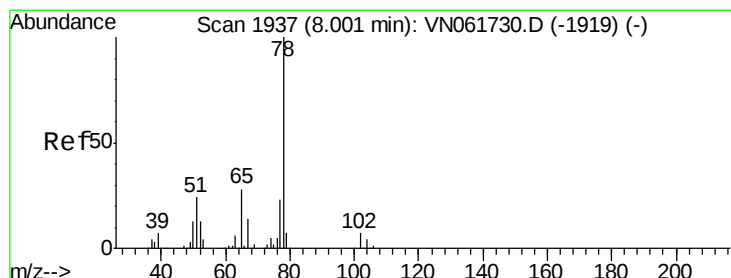
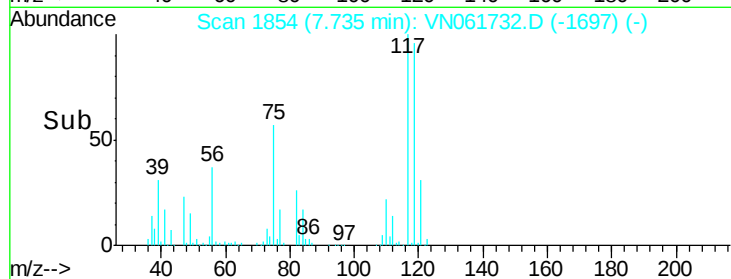
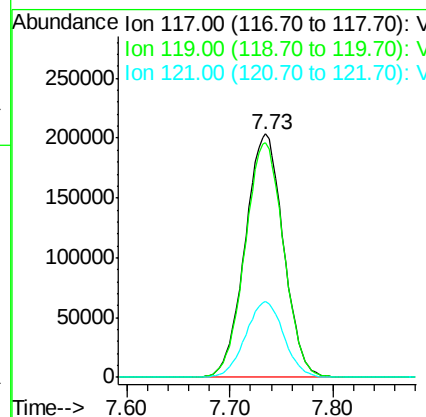
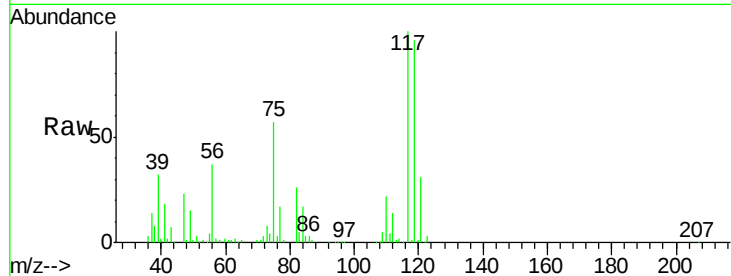
#33
Carbon Tetrachloride
Concen: 102.668 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.4	79.3	118.9
121	31.0	24.2	36.4

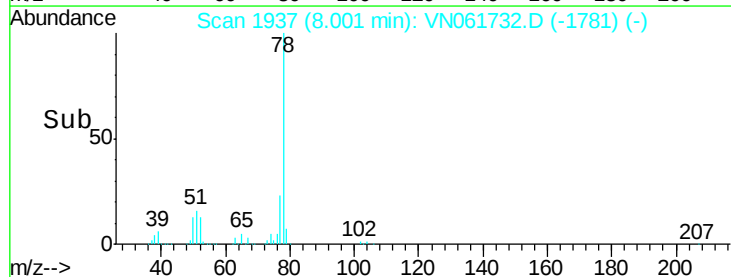
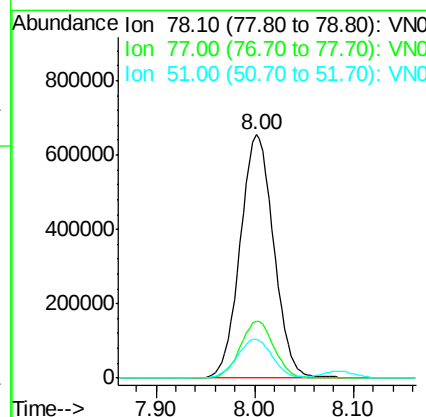
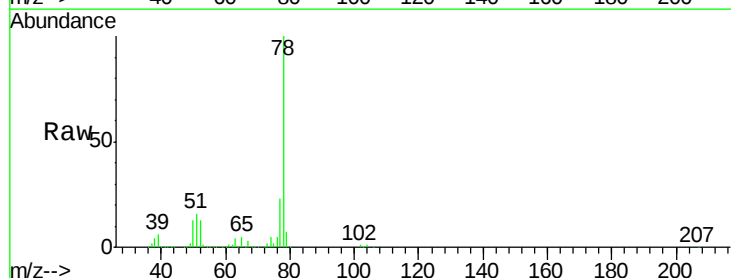
Manual Integrations
APPROVED

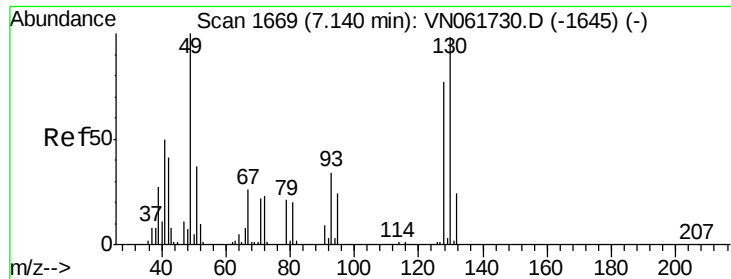
MMDadoda
6/11/2020 12:44:32 PM



#34
Benzene
Concen: 93.356 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6
51	16.1	19.1	28.7#





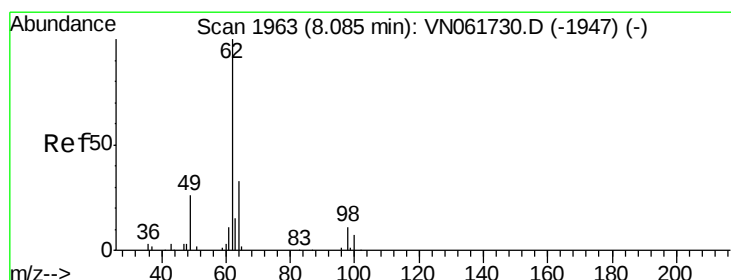
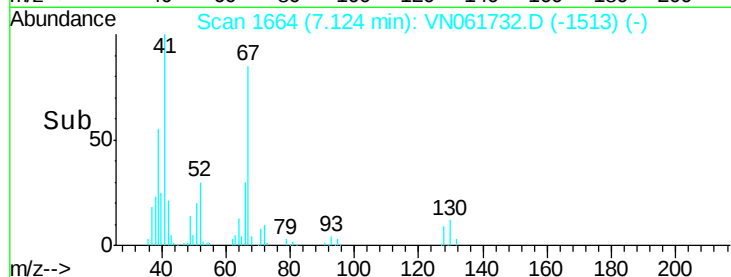
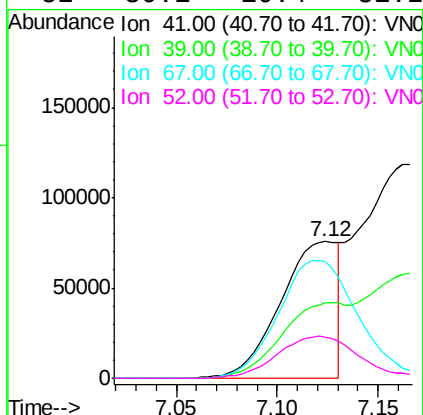
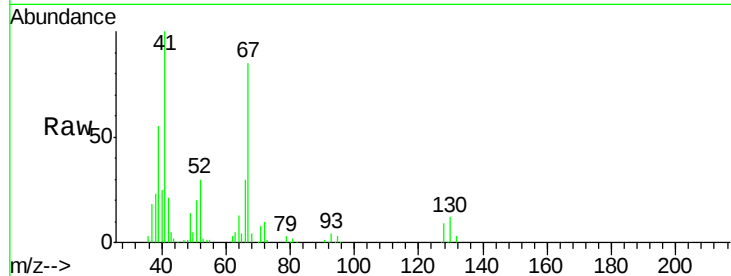
#35
Methacrylonitrile
Concen: 66.195 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.02 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	26.5	79.5
67	85.0	25.4	76.2
52	30.1	10.4	31.2

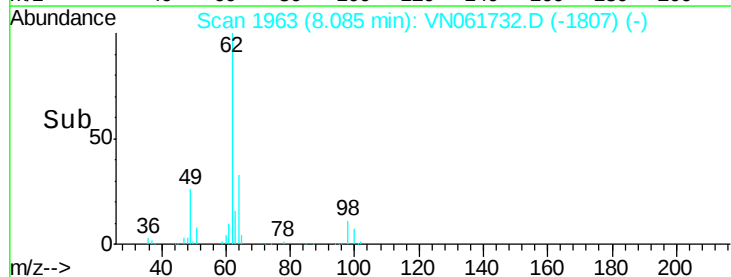
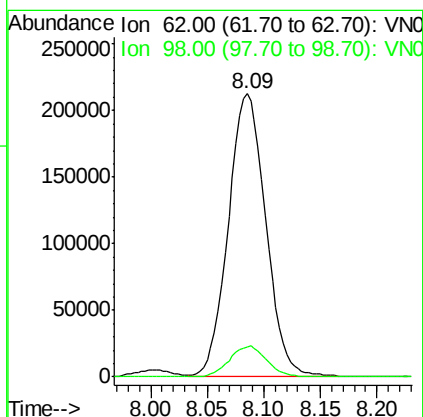
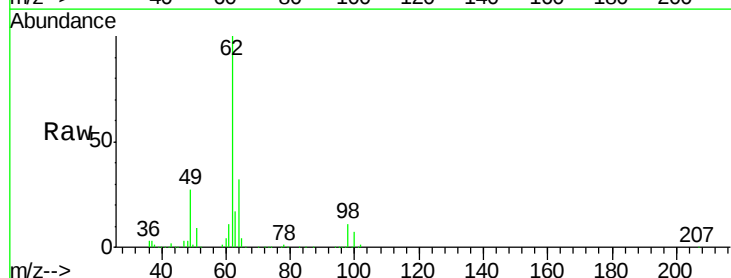
Manual Integrations
APPROVED

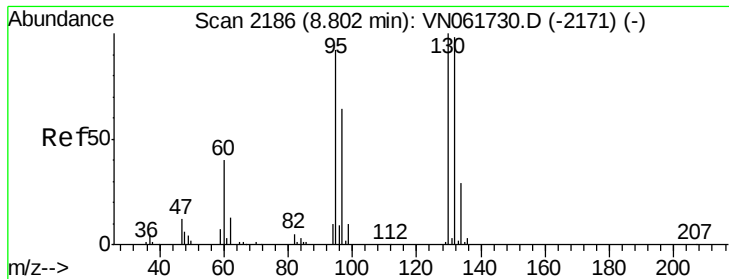
MMDadoda
6/11/2020 12:44:32 PM



#36
1,2-Dichloroethane
Concen: 79.183 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	9.4	14.2





#37

Trichloroethene

Concen: 112.683 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:130 Resp: 479732

Ion Ratio Lower Upper

130 100

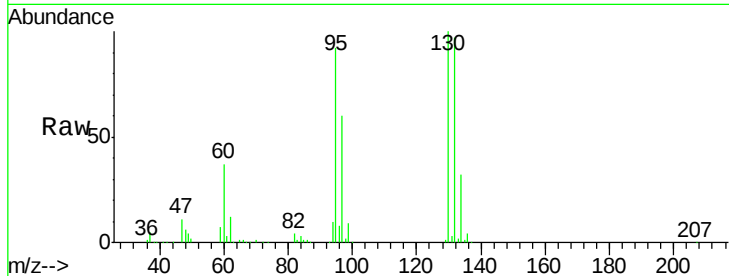
95 92.4 73.9 110.9

Manual Integrations

APPROVED

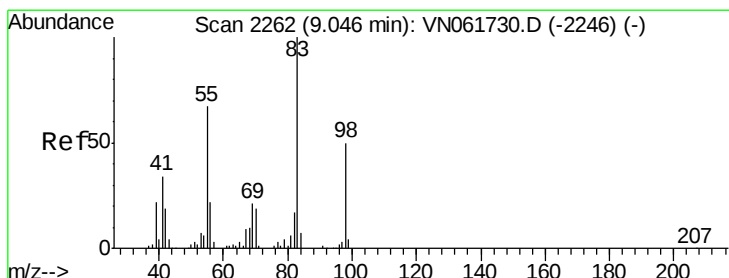
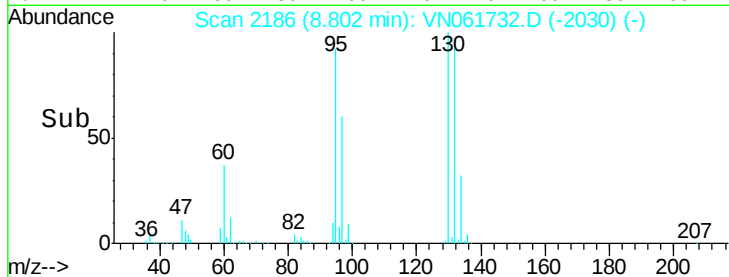
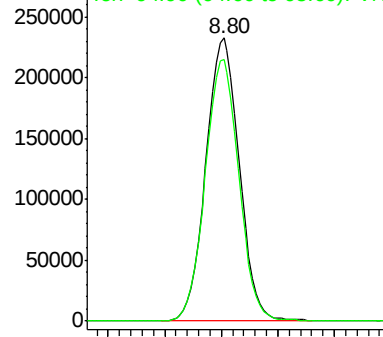
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 84.567 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

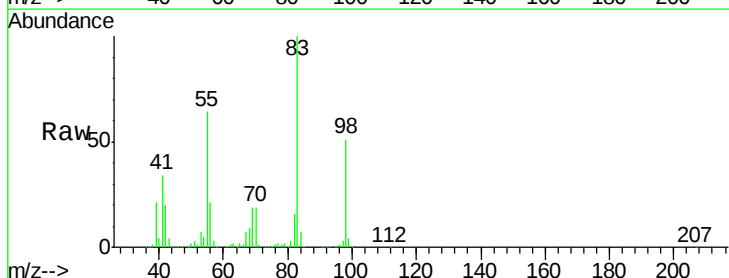
Tgt Ion: 83 Resp: 579611

Ion Ratio Lower Upper

83 100

55 64.2 32.7 98.1

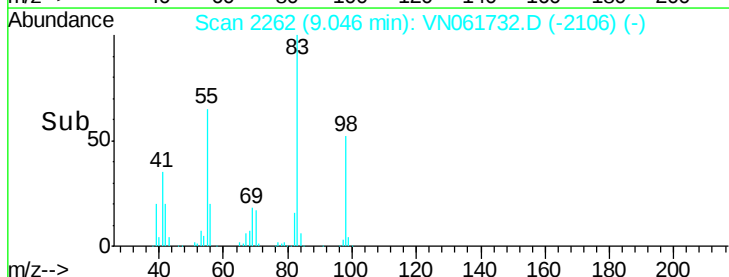
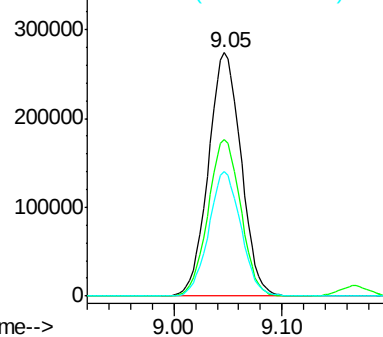
98 50.3 25.4 76.4

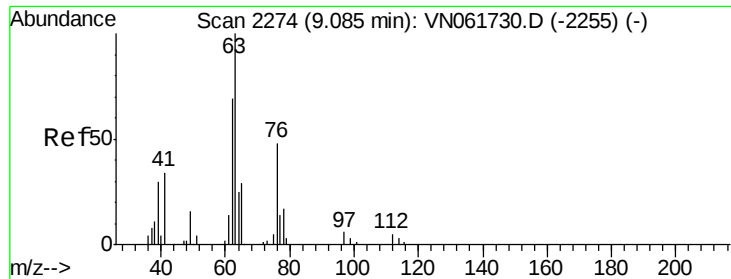


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 82.171 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 363237

Ion Ratio Lower Upper

63 100

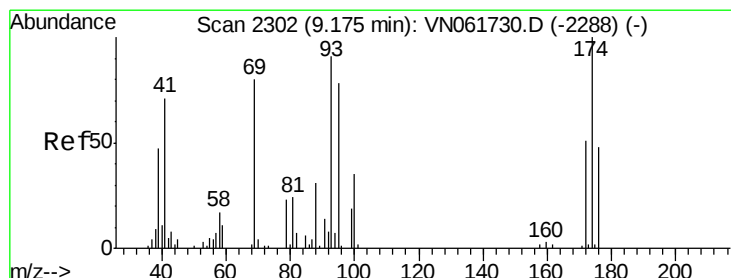
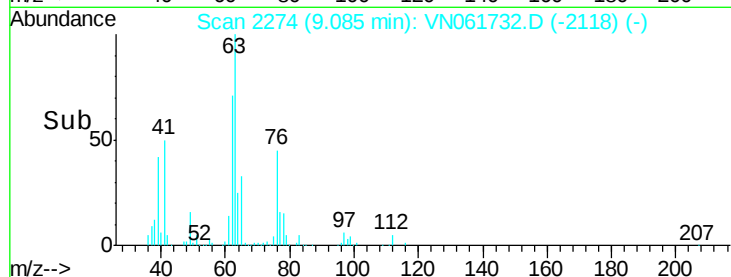
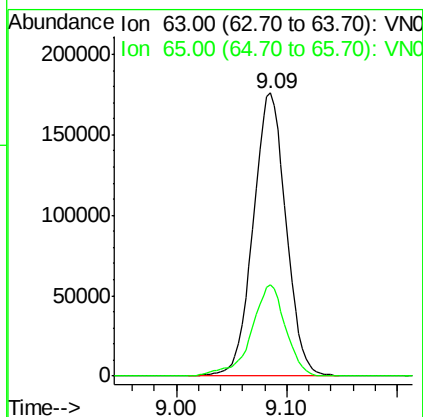
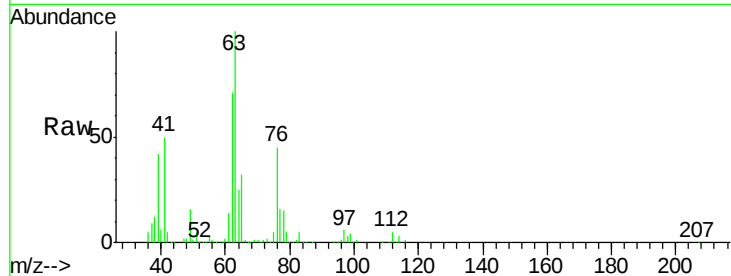
65 32.1 24.3 36.5

Manual Integrations

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6/11/2020 12:44:32 PM



#40

Dibromomethane

Concen: 97.522 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

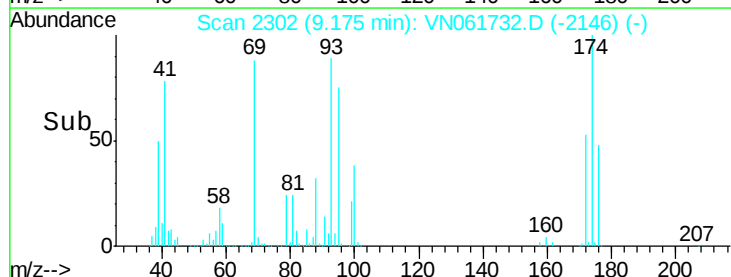
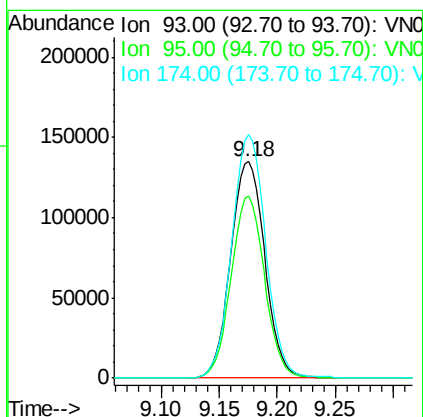
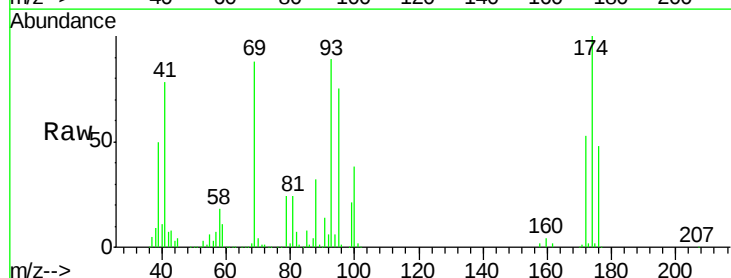
Tgt Ion: 93 Resp: 277084

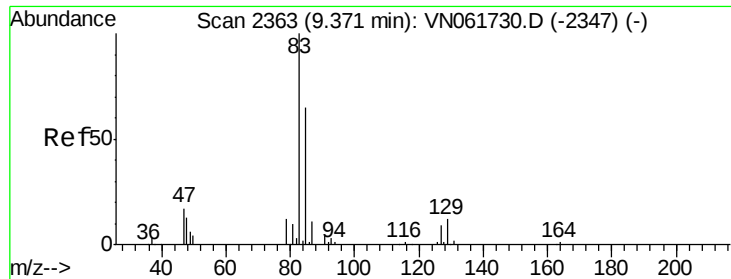
Ion Ratio Lower Upper

93 100

95 82.4 0.0 165.8

174 111.4 0.0 217.8





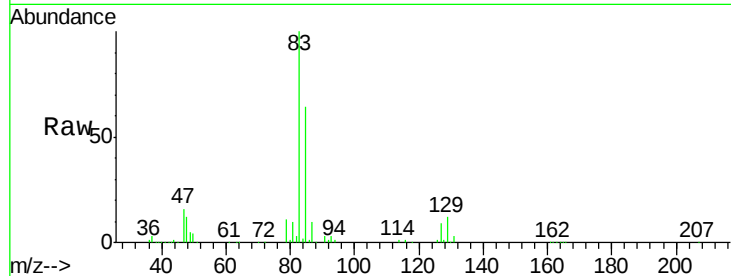
#41
Bromodichloromethane
Concen: 92.501 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

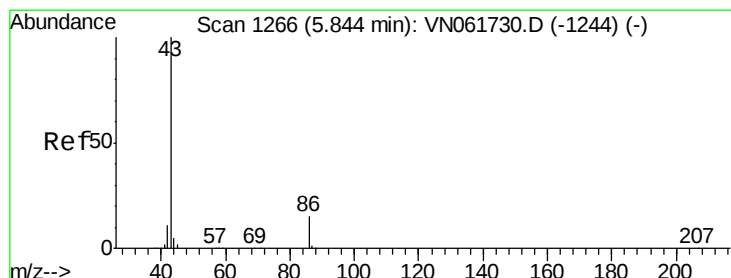
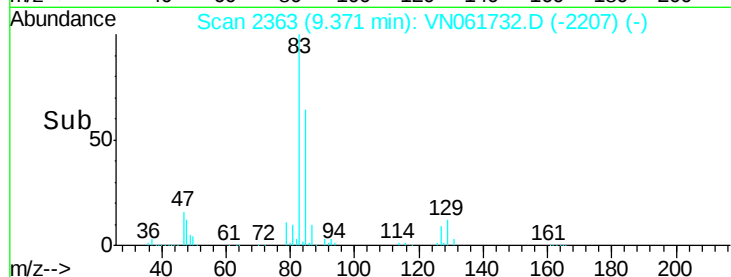
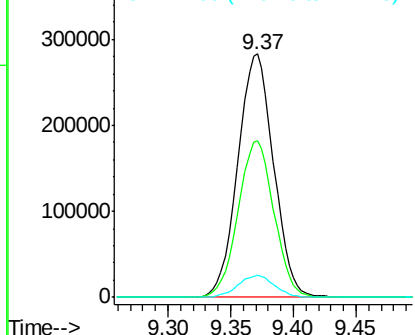
Tot Ion	83	Resp	561169
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	9.0	7.2	10.8

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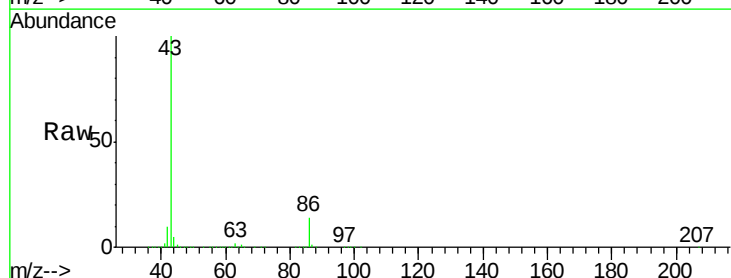


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

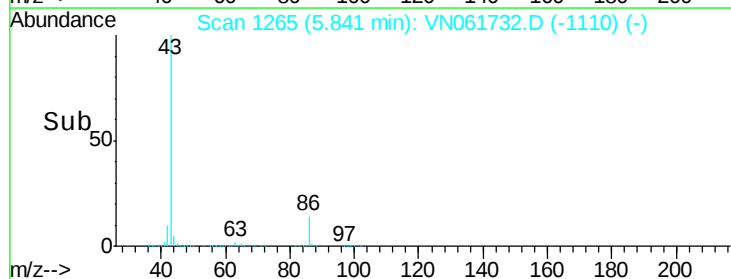
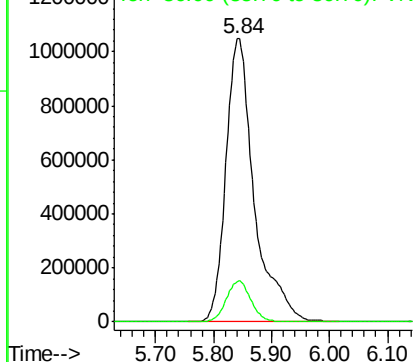


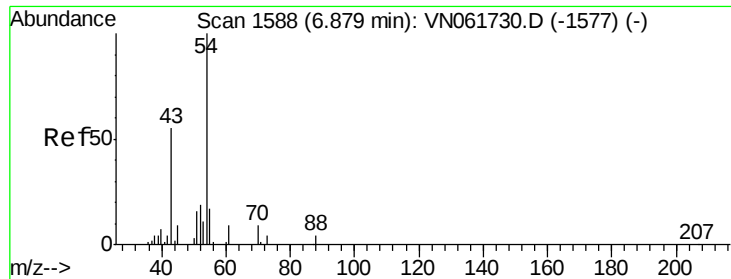
#42
Vinyl Acetate
Concen: 323.087 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	43	Resp	3573597
Ion Ratio	100	Lower	Upper
43	100		
86	12.6	10.0	15.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





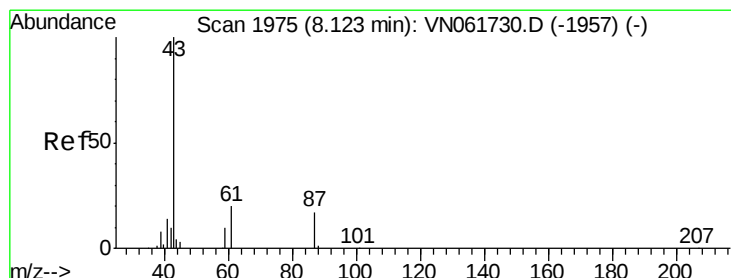
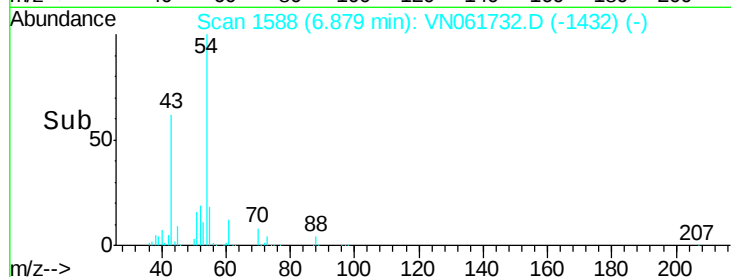
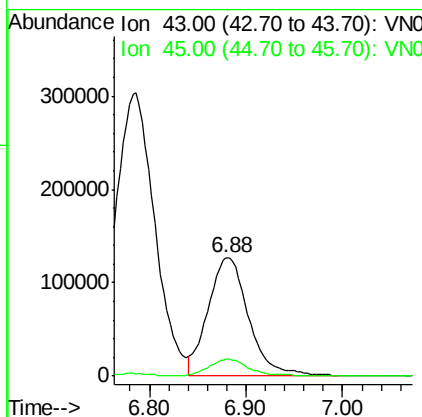
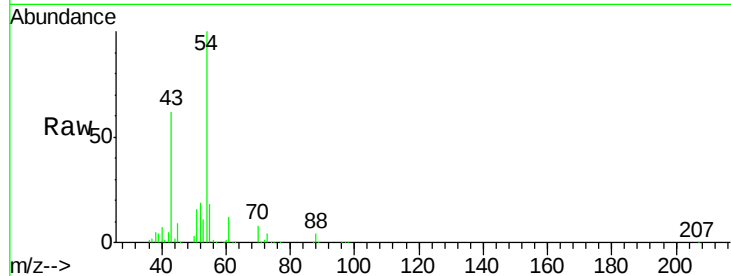
#43
Ethyl Acetate
Concen: 74.745 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
45	13.4	11.4	17.2

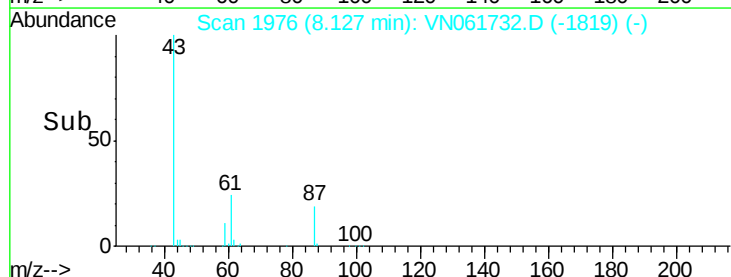
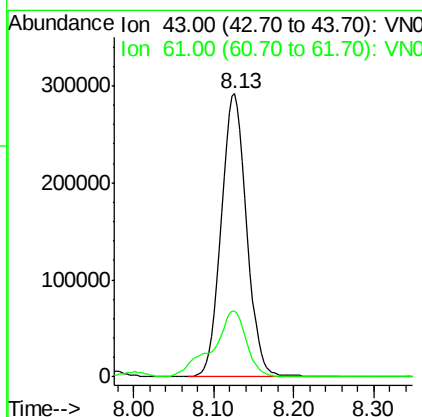
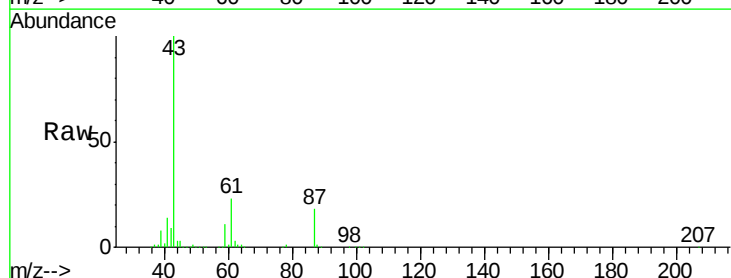
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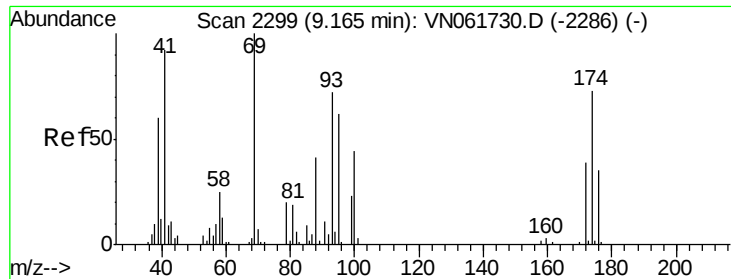
MMDadoda
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#44
Isopropyl Acetate
Concen: 66.302 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.9	28.3





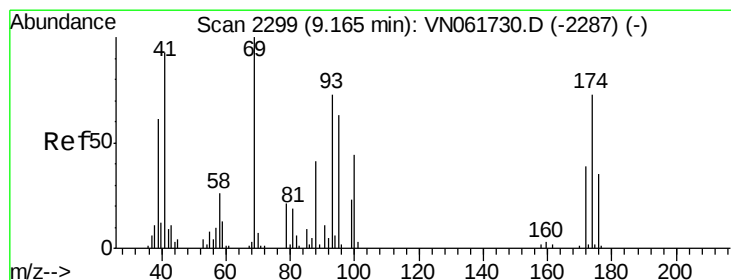
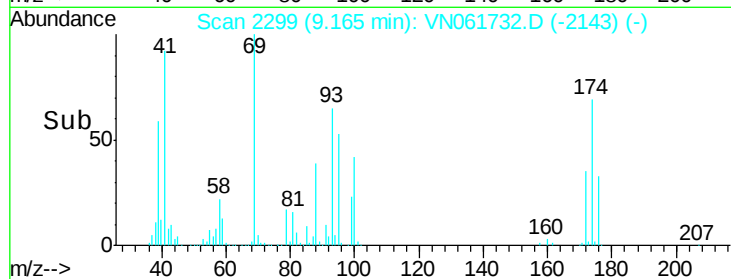
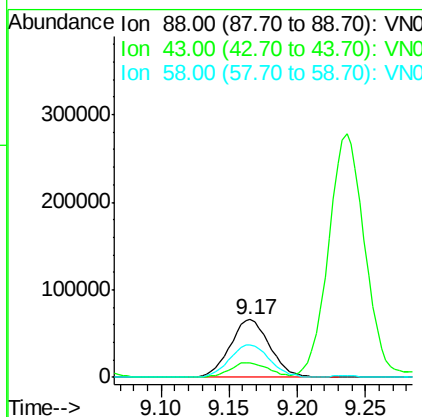
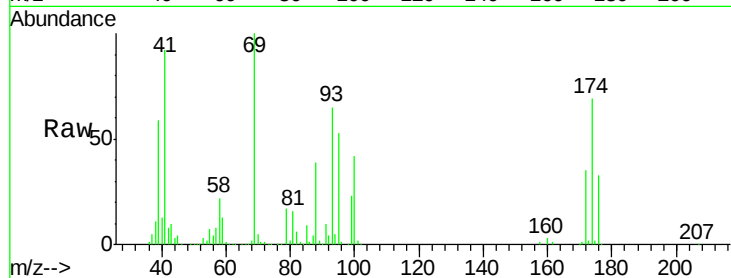
#45
 1,4-Dioxane
 Concen: 2996.982 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	24.3	21.8	32.8	
58	57.2	48.4	72.6	

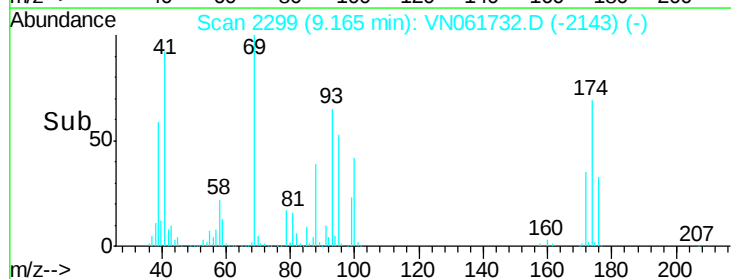
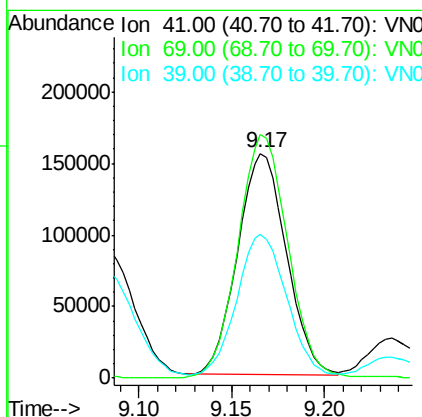
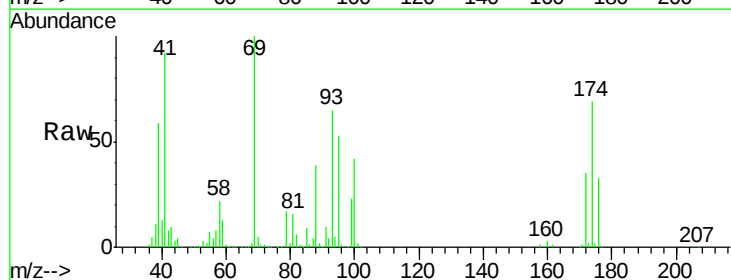
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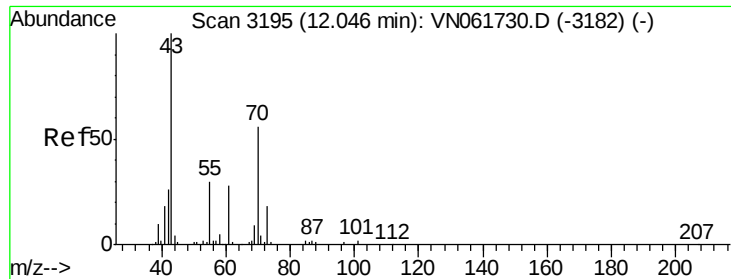
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#46
 Methyl methacrylate
 Concen: 63.604 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	109.5	53.8	161.4	
39	63.6	33.0	98.9	





#47

n-amvl Acetate

Concen: 69.197 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 587516

Ion Ratio Lower Upper

43 100

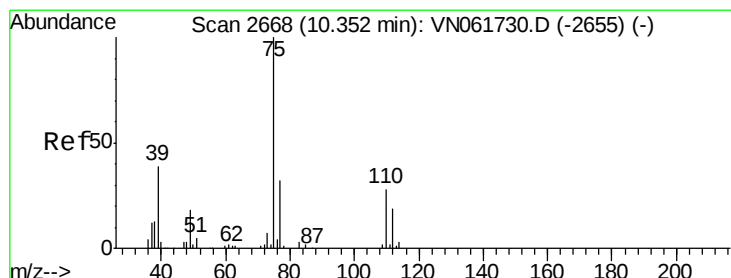
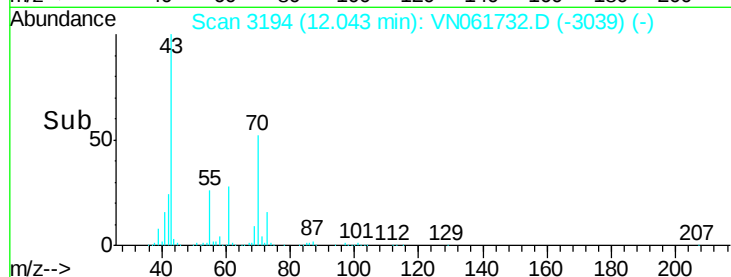
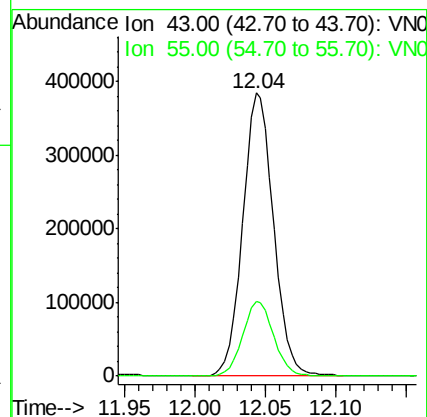
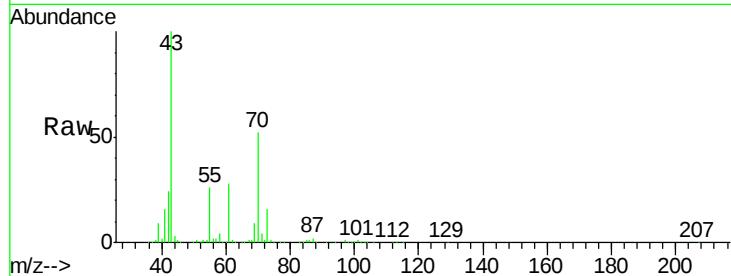
55 26.6 22.7 34.1

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#48

t-1,3-Dichloropropene

Concen: 87.158 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061732.D

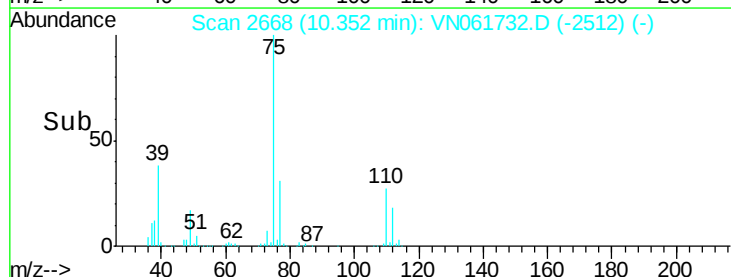
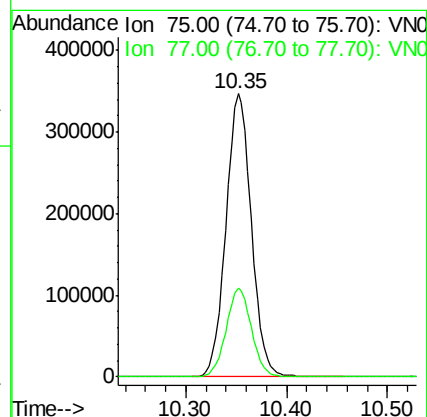
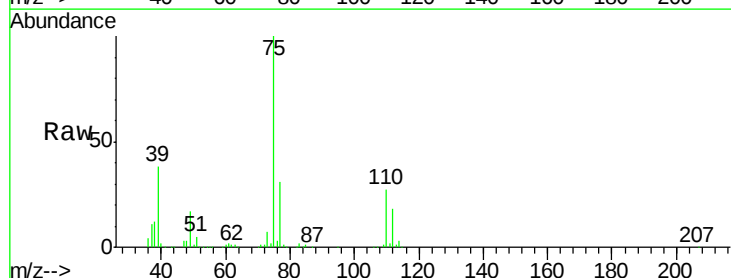
Acq: 10 Jun 2020 11:41

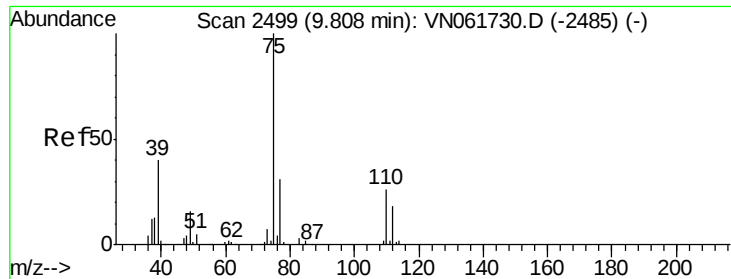
Tgt Ion: 75 Resp: 609520

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2





#49

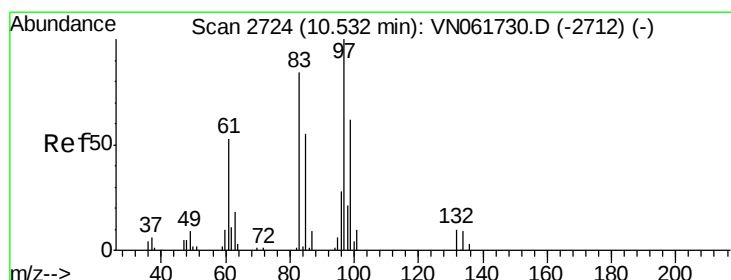
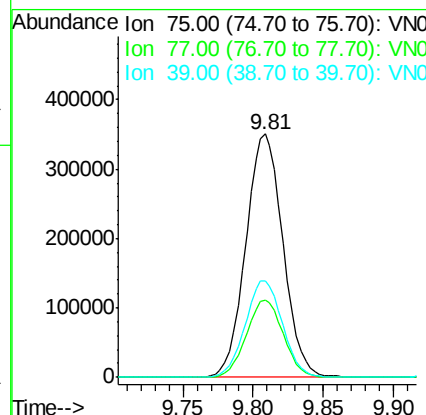
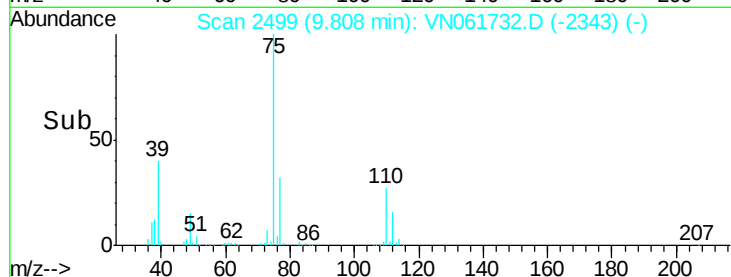
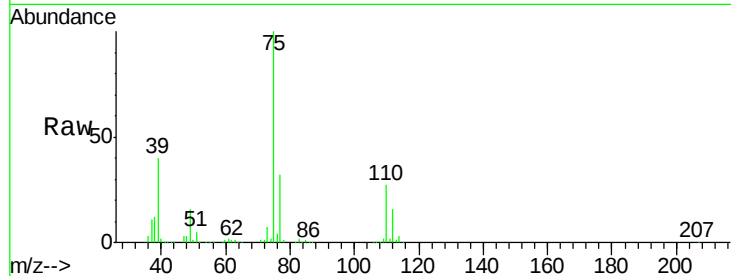
cis-1,3-Dichloropropene
Concen: 86.532 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	39.7	31.8	47.6

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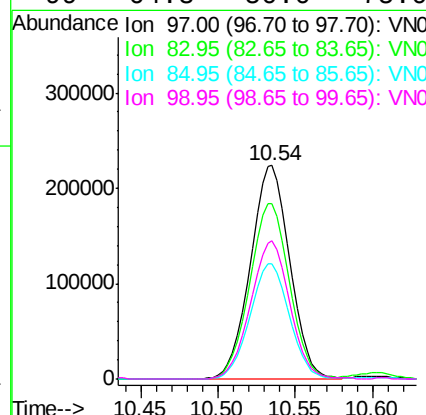
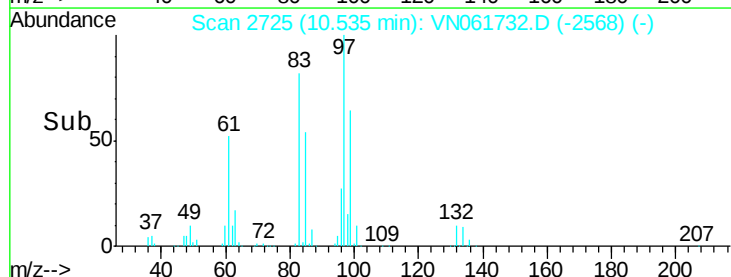
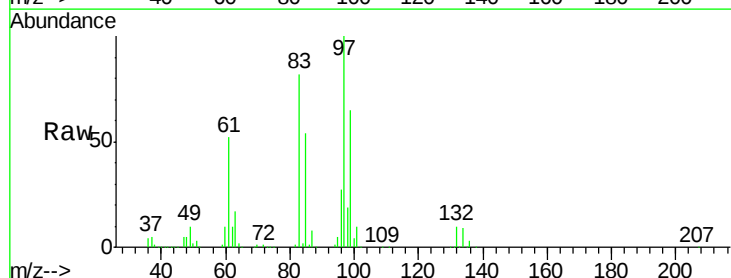
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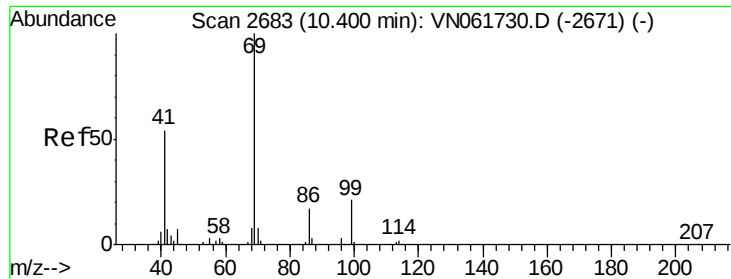


#50

1,1,2-Trichloroethane
Concen: 100.725 ug/l
RT: 10.54 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.6	101.4
85	53.9	44.0	66.0
99	64.8	50.0	75.0





#51

Ethyl methacrylate

Concen: 87.382 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

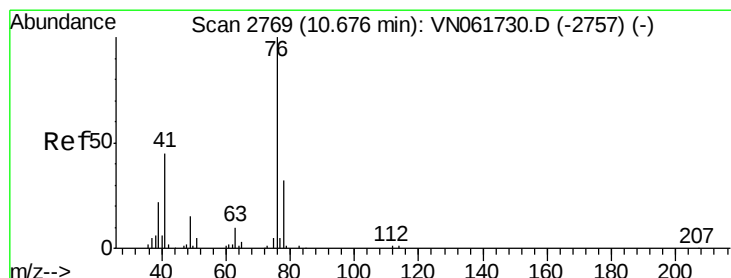
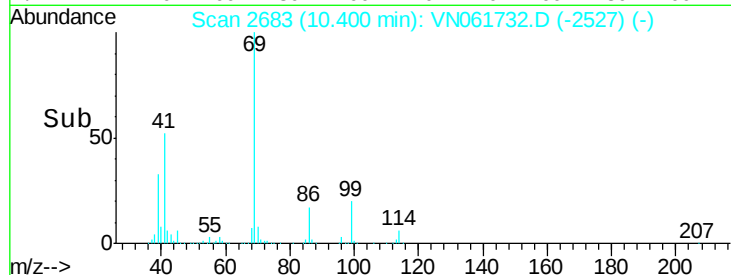
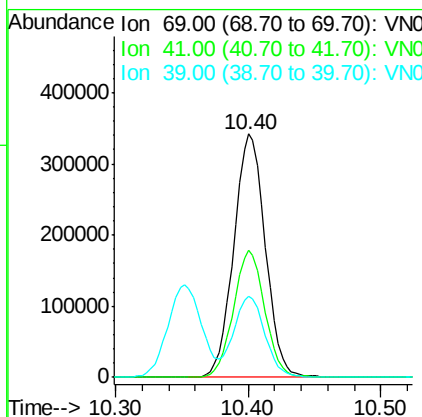
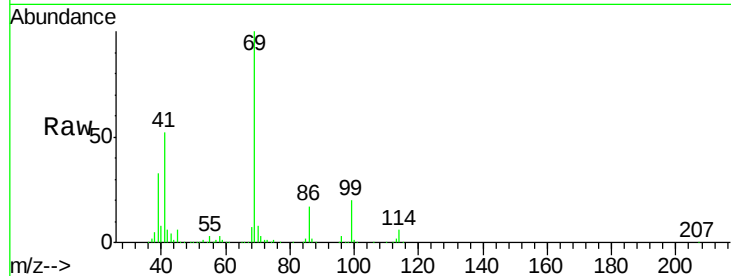
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	564550
Ion	Ratio	Lower	Upper
69	100		
41	51.8	26.9	80.7
39	33.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 91.923 ug/l

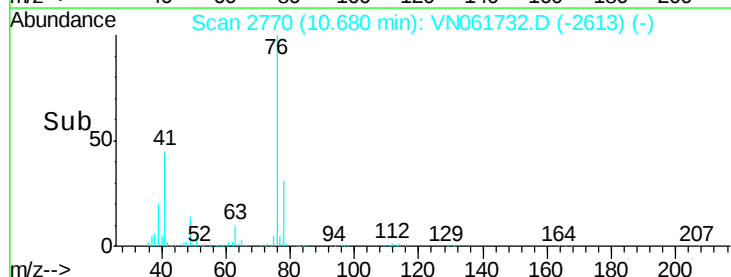
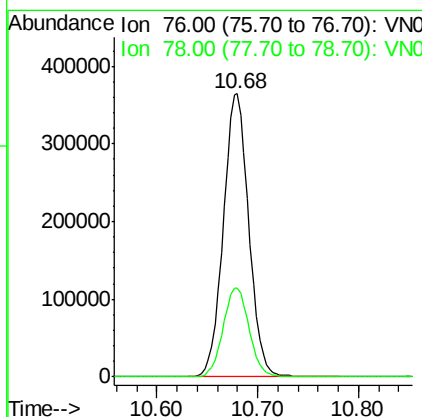
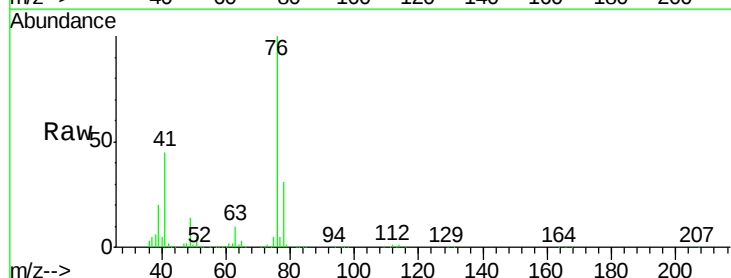
RT: 10.68 min Scan# 2770

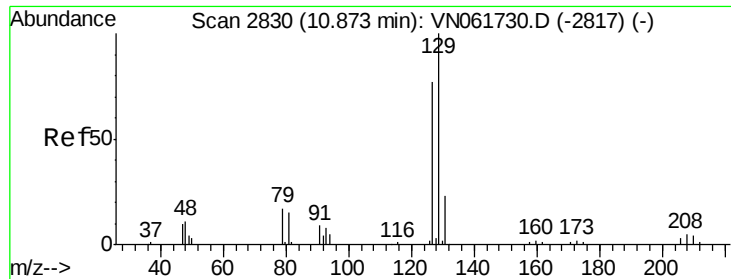
Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Tgt Ion:	76	Resp:	642190
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.8





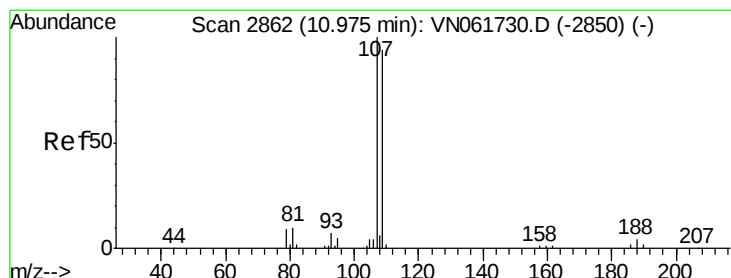
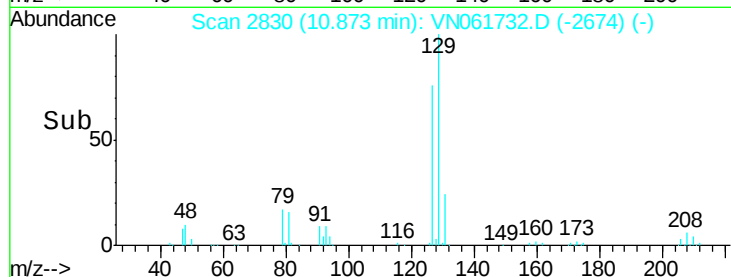
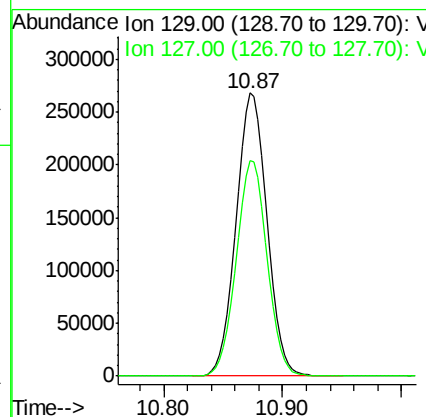
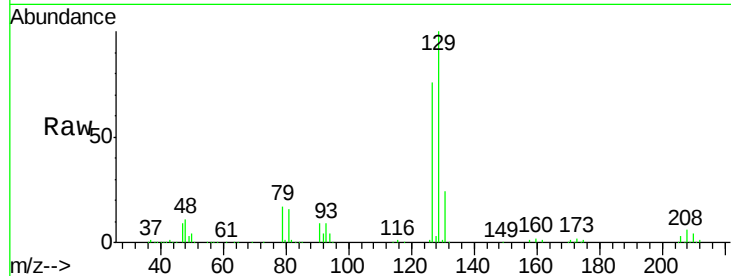
#53
Dibromochloromethane
Concen: 110.198 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	116.0

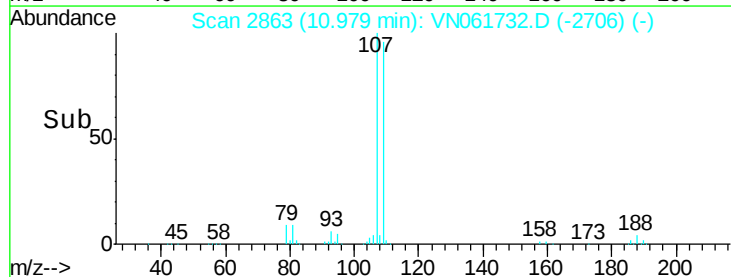
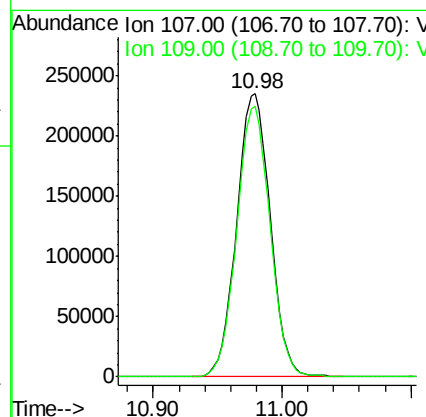
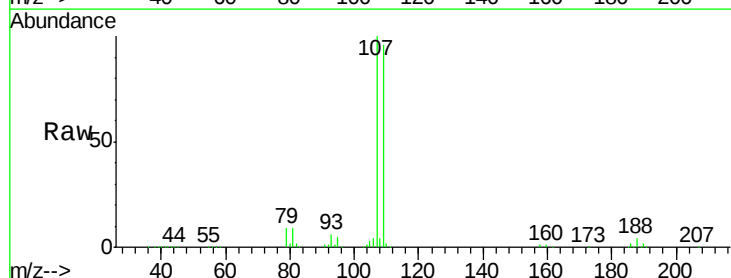
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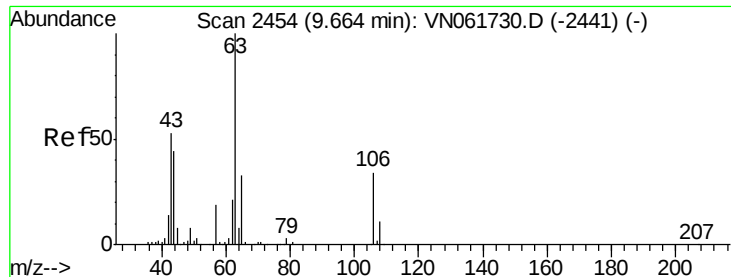
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#54
1,2-Dibromoethane
Concen: 104.222 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.6	114.8





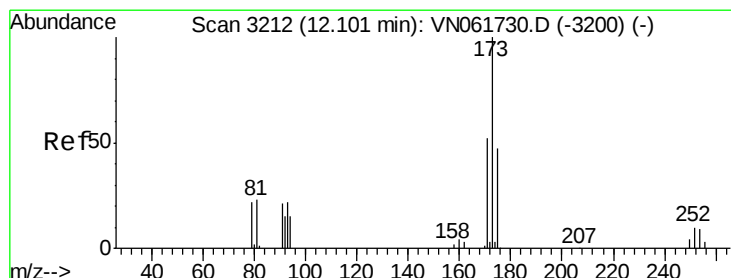
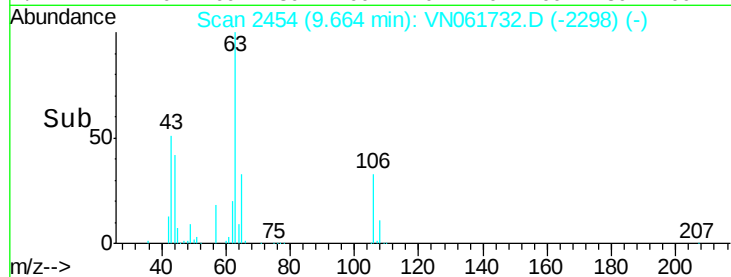
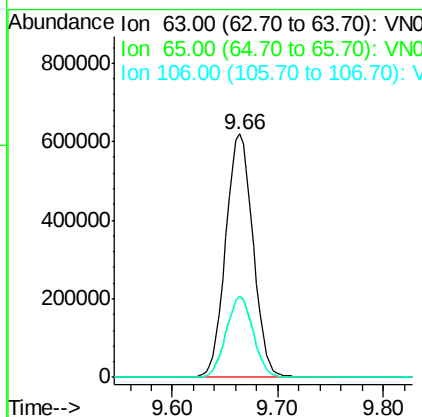
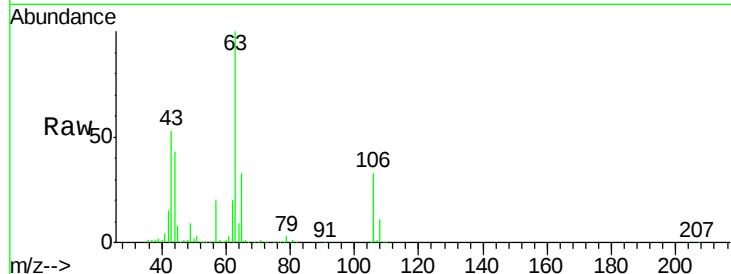
#55
2-Chloroethyl vinyl ether
Concen: 397.436 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.8	38.8
106	33.0	26.5	39.7

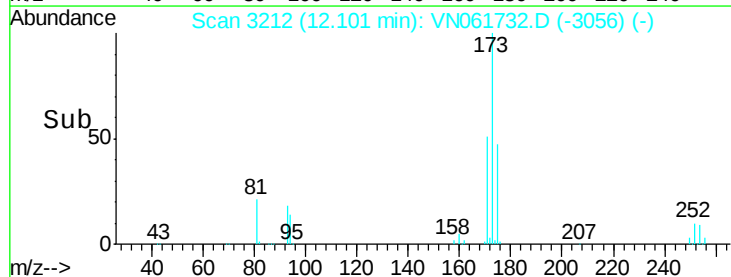
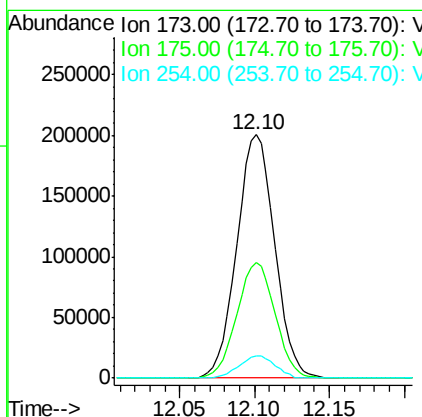
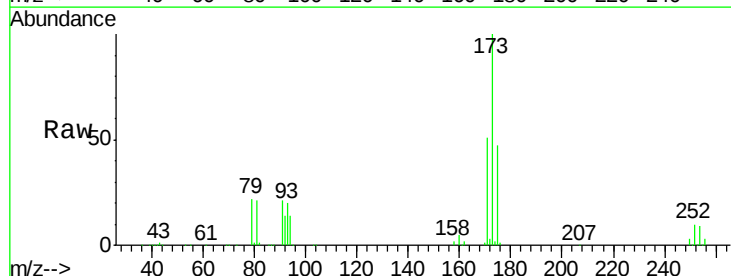
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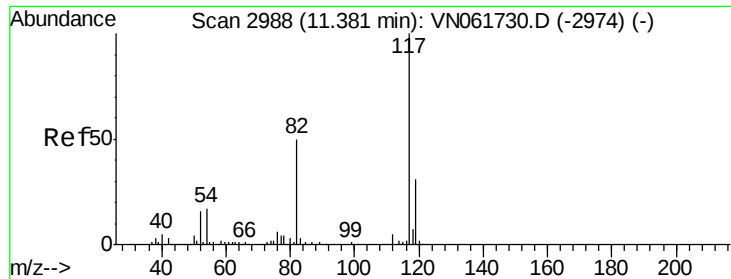
MMDadoda
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#56
Bromoform
Concen: 126.281 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	37.5	56.3
254	8.7	6.9	10.3





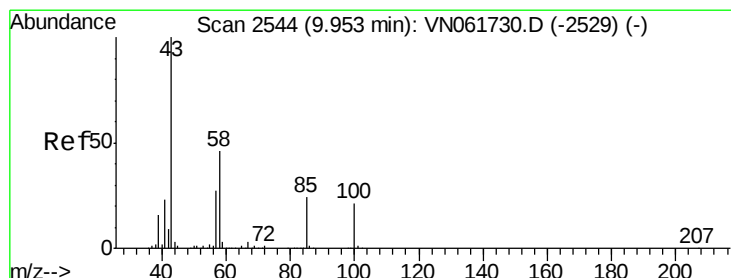
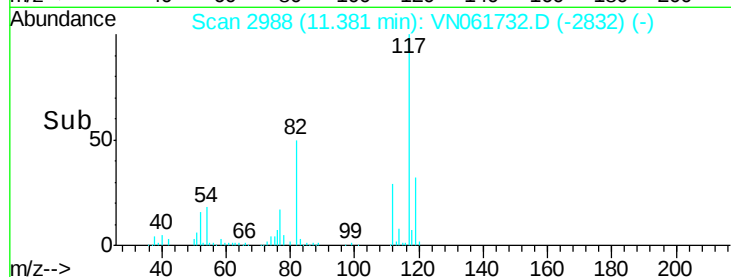
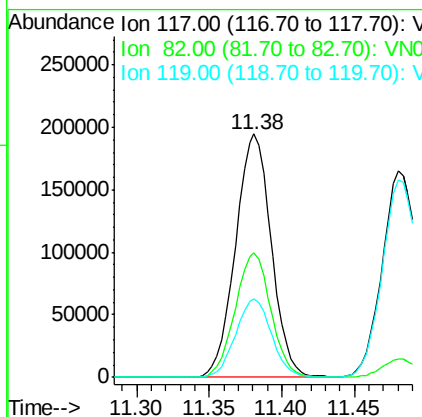
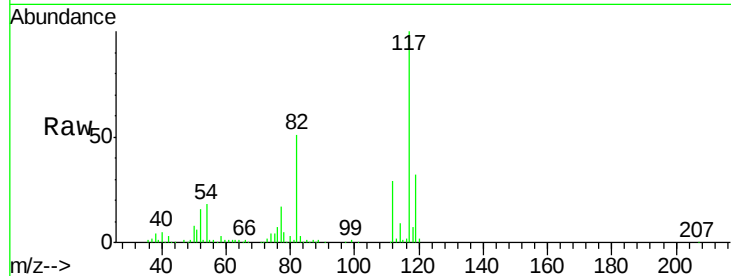
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333851		
82	50.9	40.6	60.8	
119	32.2	25.4	38.2	

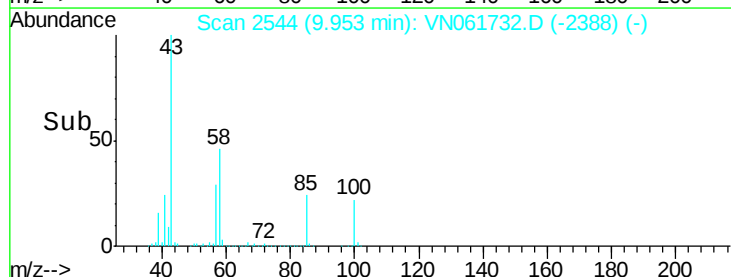
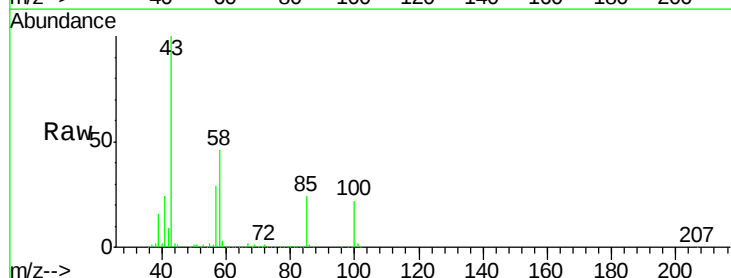
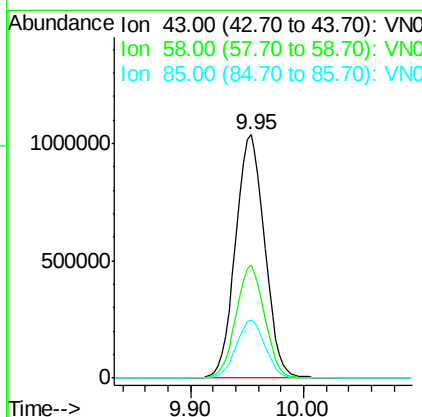
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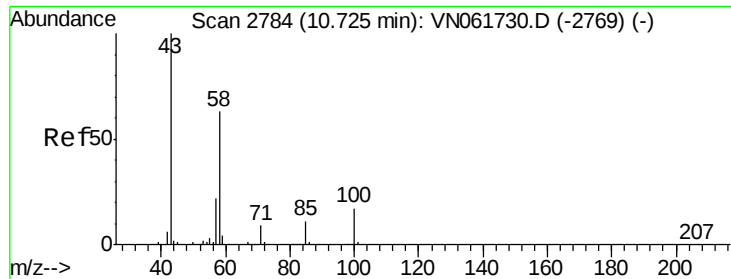
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 338.905 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1861868		
58	45.6	36.6	54.8	
85	23.7	19.0	28.6	





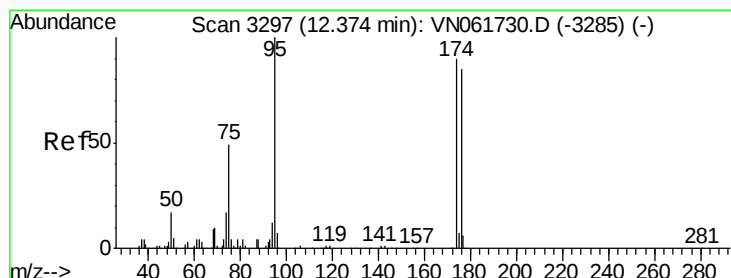
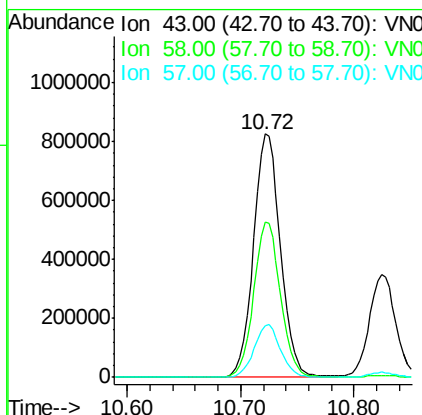
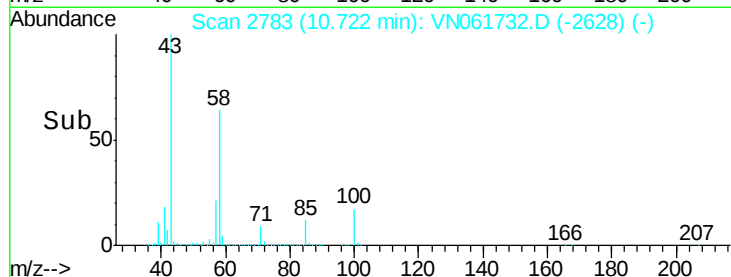
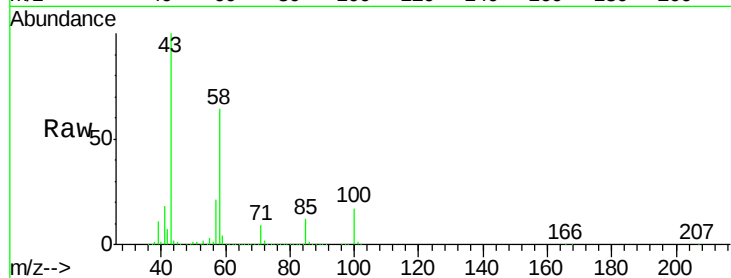
#59
2-Hexanone
Concen: 350.545 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1364420
Ion Ratio Lower Upper
43 100
58 63.3 50.4 75.6
57 21.3 17.2 25.8

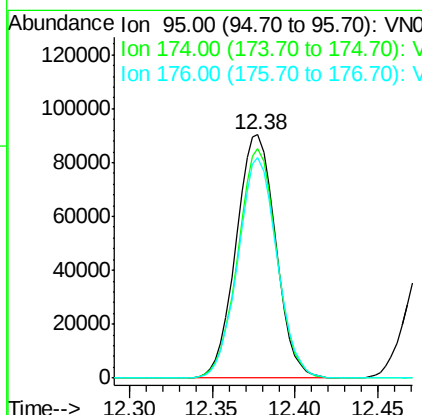
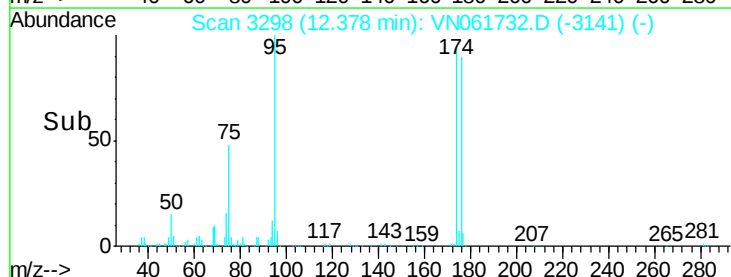
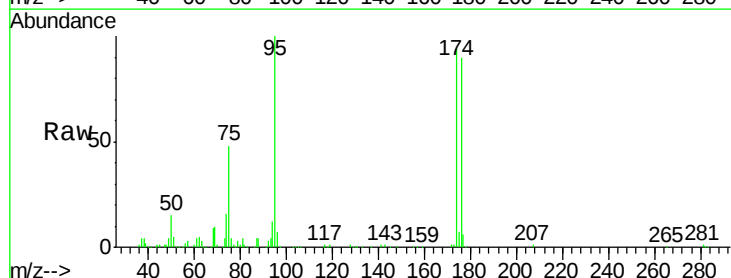
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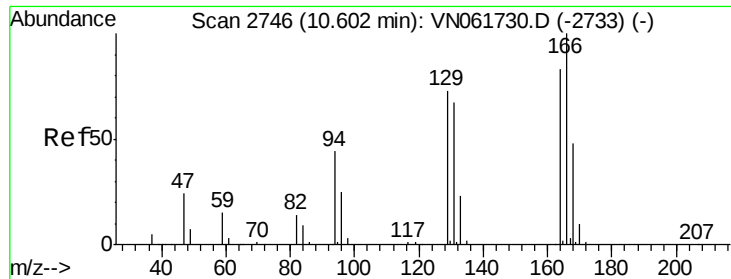
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 27.070 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion: 95 Resp: 150585
Ion Ratio Lower Upper
95 100
174 92.3 72.8 109.2
176 89.2 69.2 103.8





#61

Tetrachloroethene

Concen: 126.495 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 546385

Ion Ratio Lower Upper

164 100

166 125.8 96.6 144.8

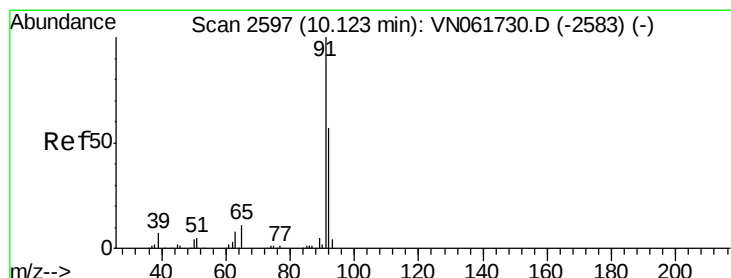
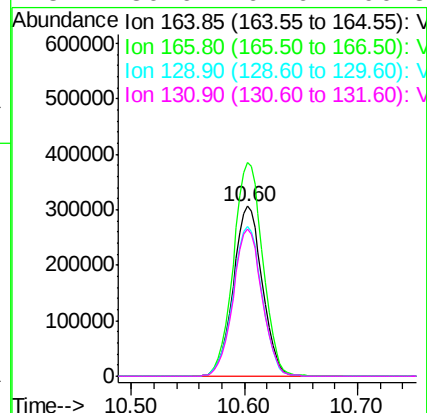
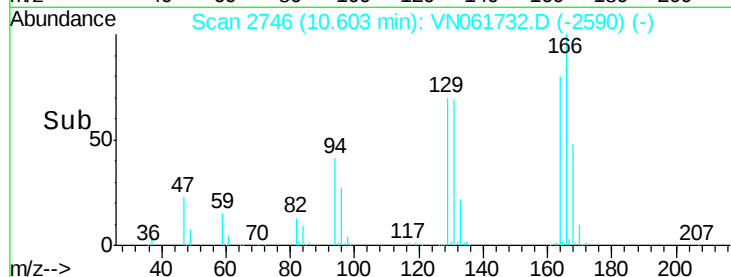
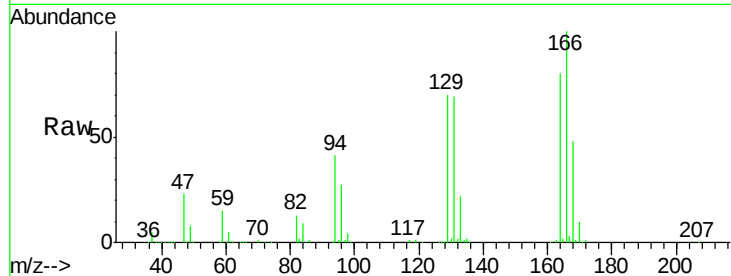
129 88.2 70.1 105.1

131 86.6 64.6 96.8

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#62

Toluene

Concen: 93.604 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061732.D

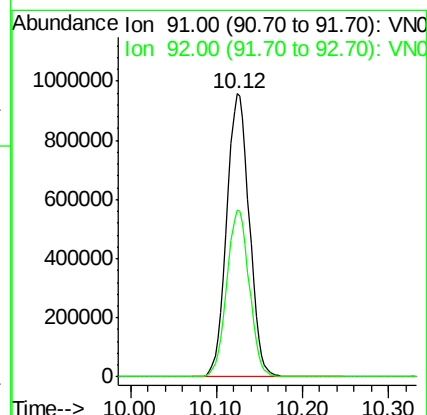
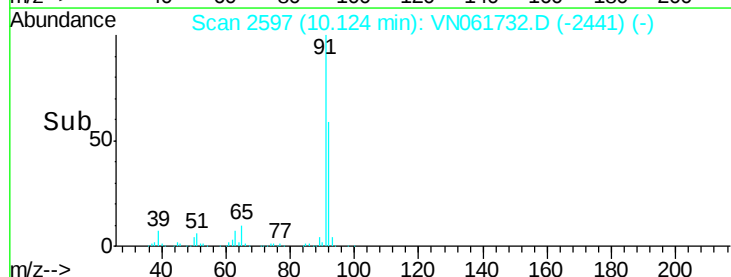
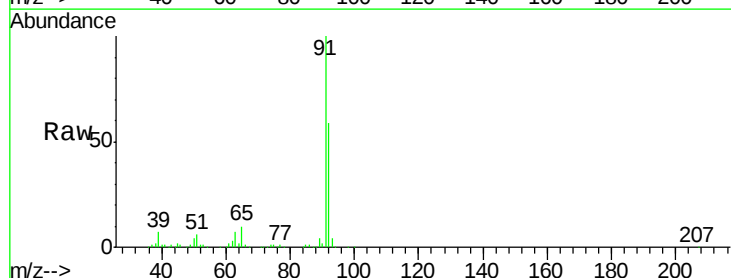
Acq: 10 Jun 2020 11:41

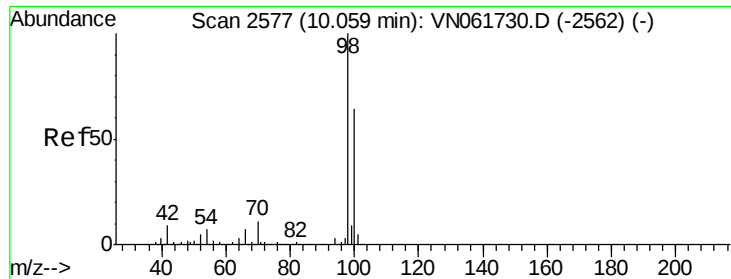
Tgt Ion: 91 Resp: 1752574

Ion Ratio Lower Upper

91 100

92 58.6 45.8 68.8





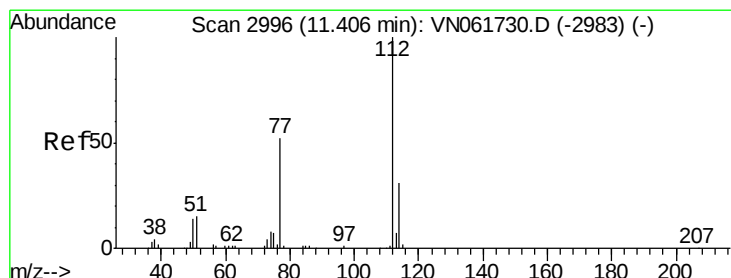
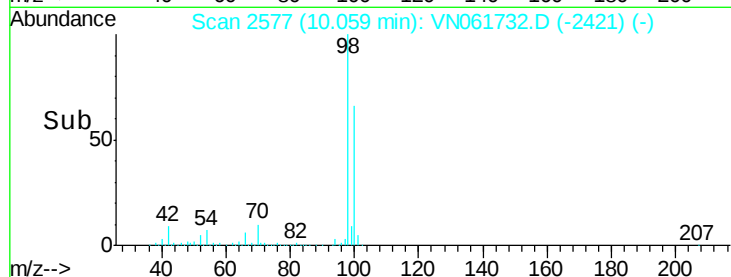
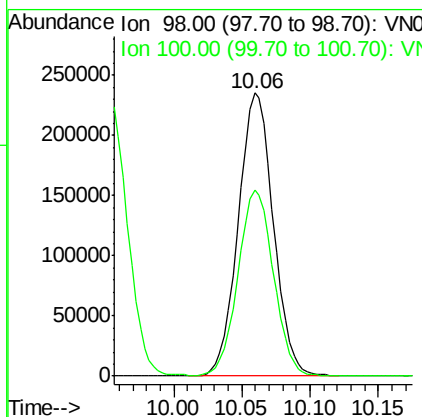
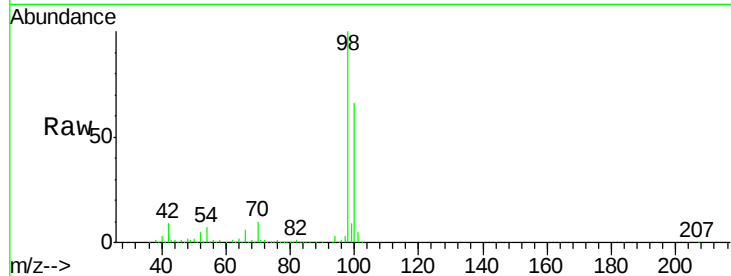
#63
Toluene-d8
Concen: 27.596 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 98 Resp: 420406
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4

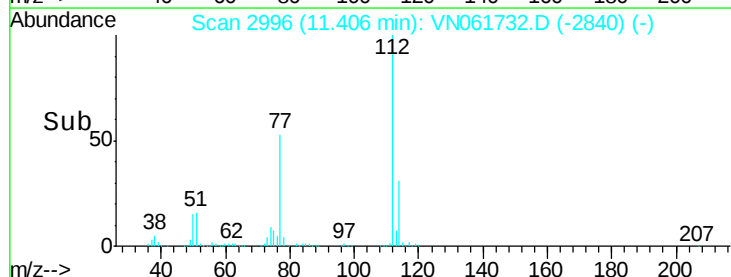
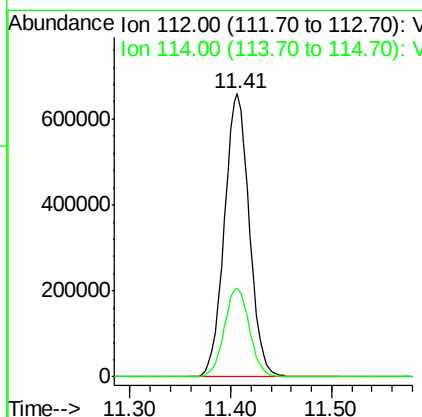
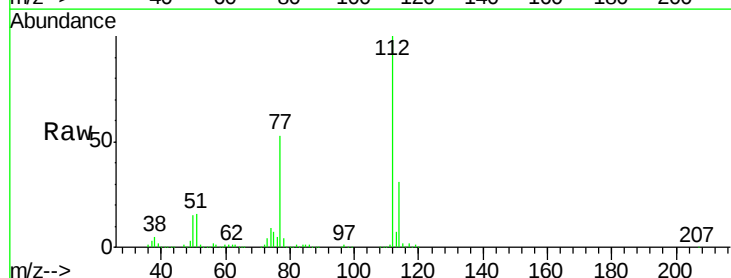
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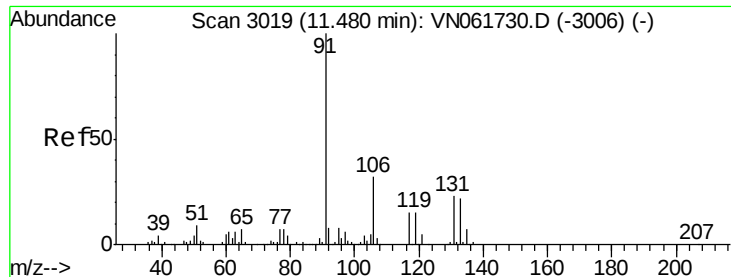
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#64
Chlorobenzene
Concen: 100.985 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion: 112 Resp: 1133257
Ion Ratio Lower Upper
112 100
114 31.5 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 103.209 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

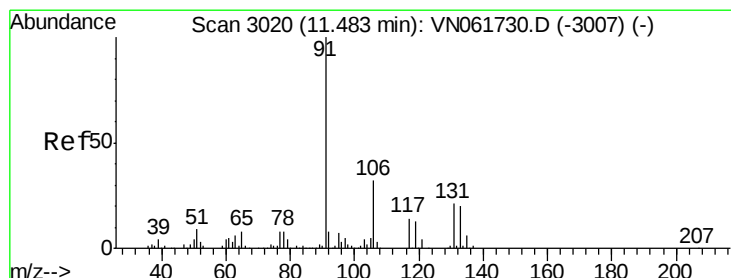
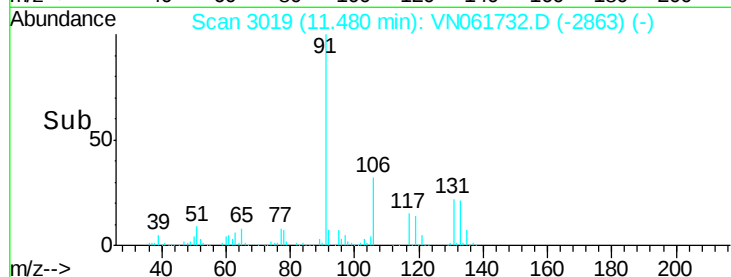
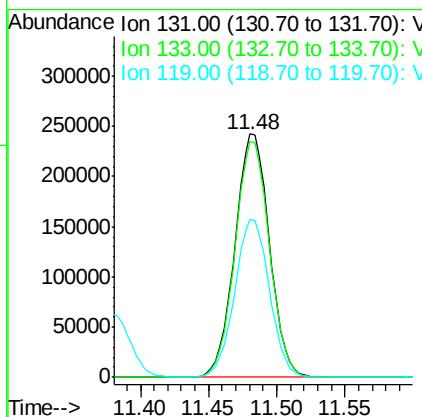
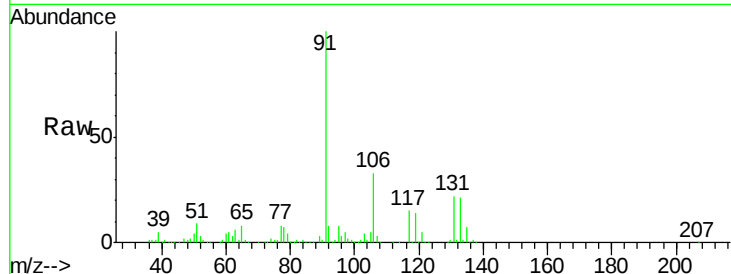
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	425648
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	189.4
119	65.3	0.0	130.8

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#66

Ethyl Benzene

Concen: 92.243 ug/l

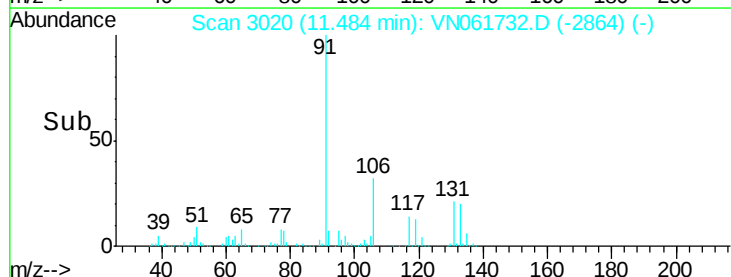
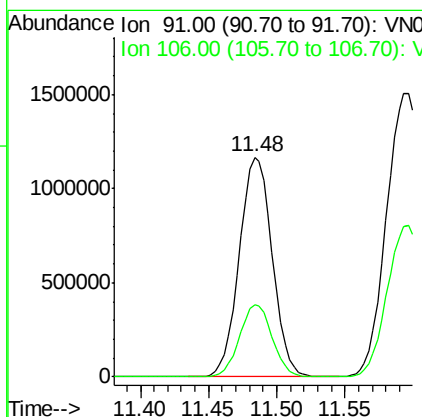
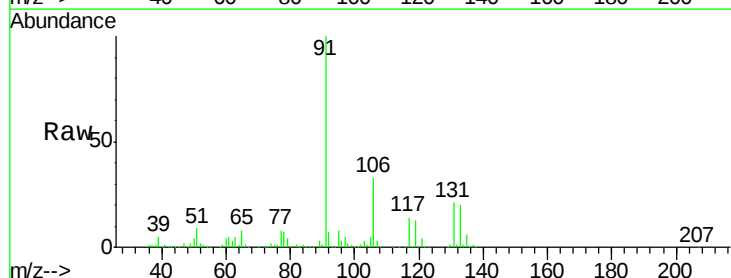
RT: 11.48 min Scan# 3020

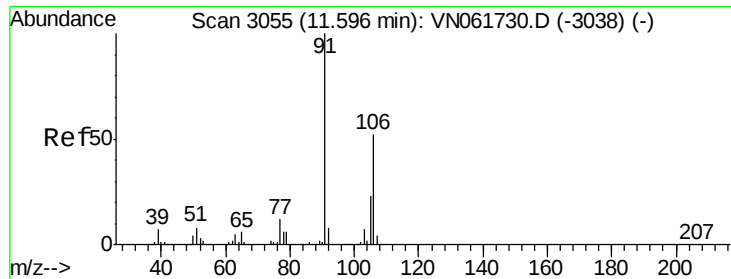
Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Tgt Ion:	91	Resp:	1961516
Ion Ratio	Lower	Upper	
91	100		
106	33.1	25.7	38.5





#67

m/p-Xylenes

Concen: 195.309 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1554961

Ion Ratio Lower Upper

106 100

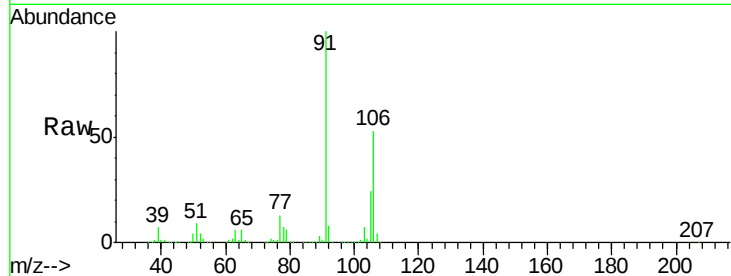
91 191.6 156.2 234.4

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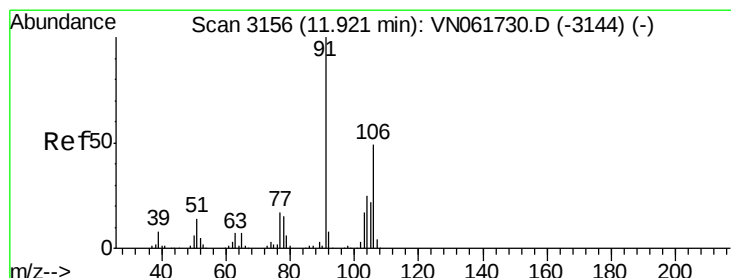
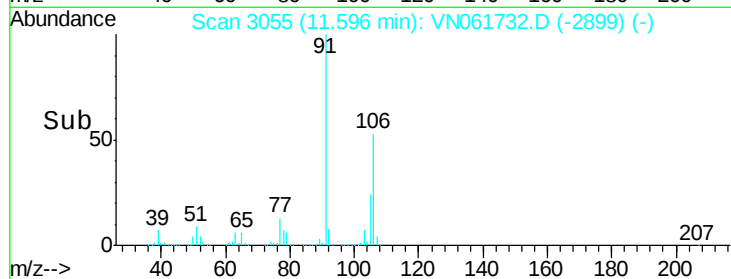
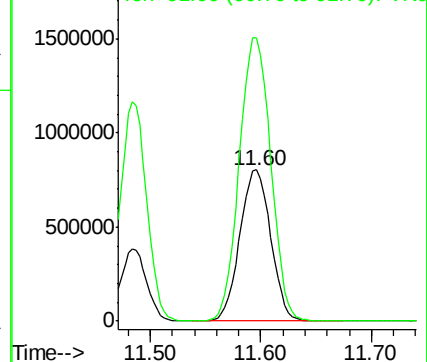
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 98.588 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061732.D

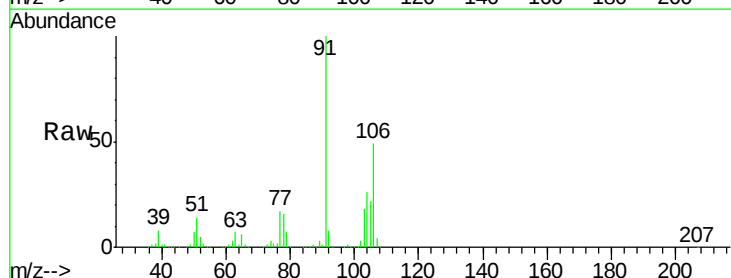
Acq: 10 Jun 2020 11:41

Tgt Ion:106 Resp: 746609

Ion Ratio Lower Upper

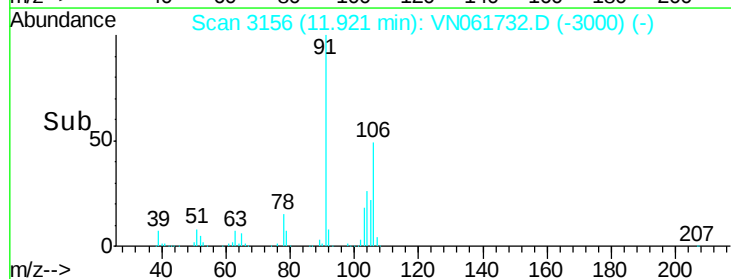
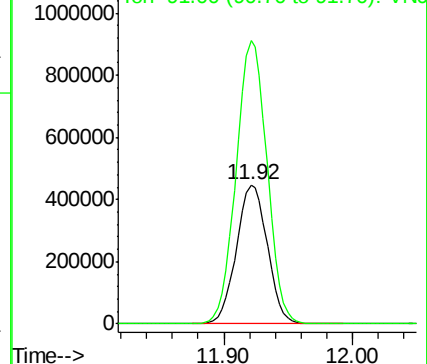
106 100

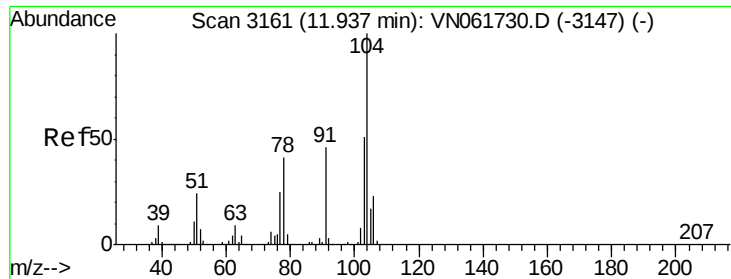
91 203.0 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





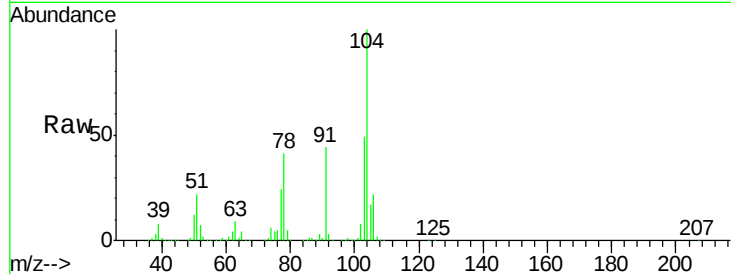
#69
Stvrene
Concen: 99.052 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

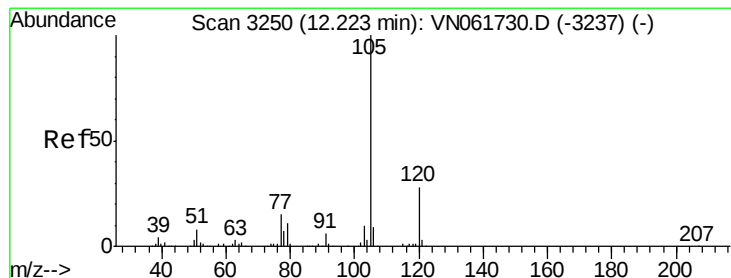
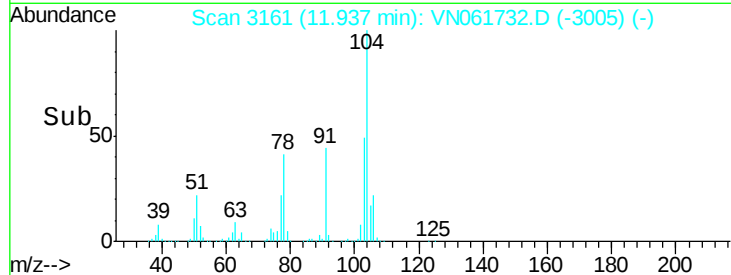
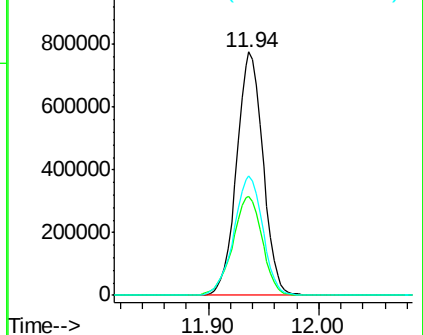
Tot Ion:104 Resp: 1287618
Ion Ratio Lower Upper
104 100
78 45.5 36.5 54.7
103 53.6 43.4 65.2

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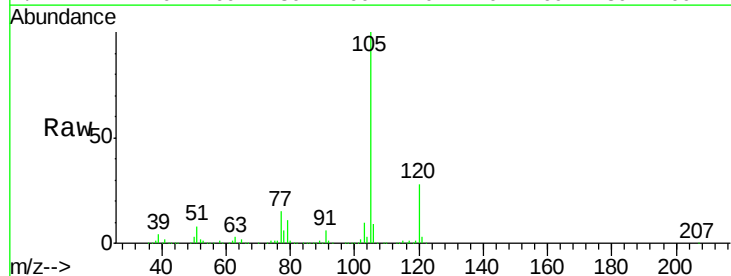


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

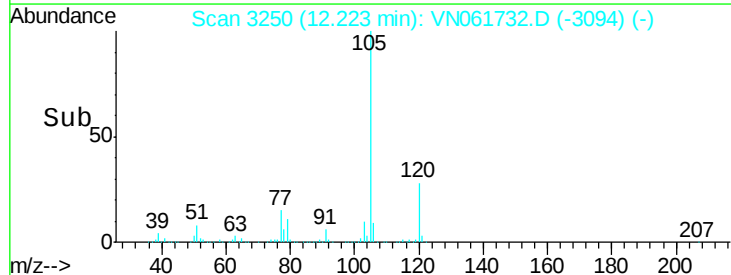
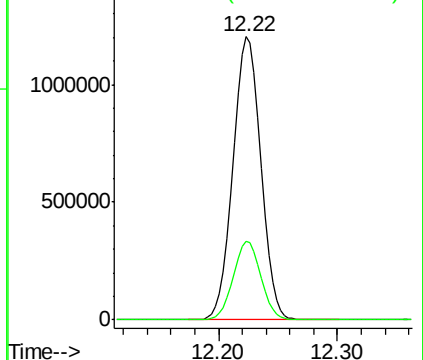


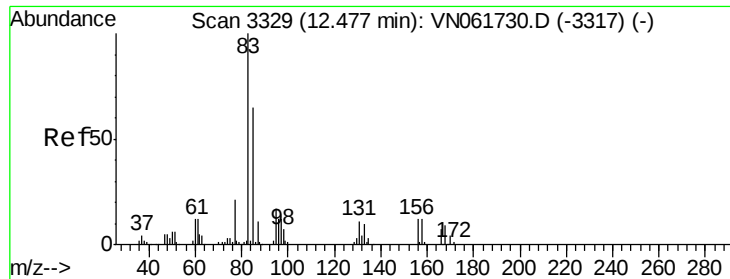
#70
Isopropylbenzene
Concen: 95.323 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion:105 Resp: 1950775
Ion Ratio Lower Upper
105 100
120 27.5 19.3 35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





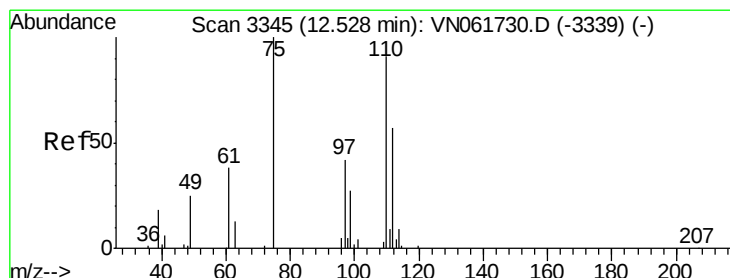
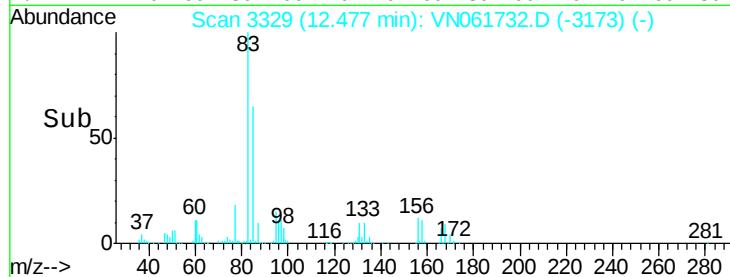
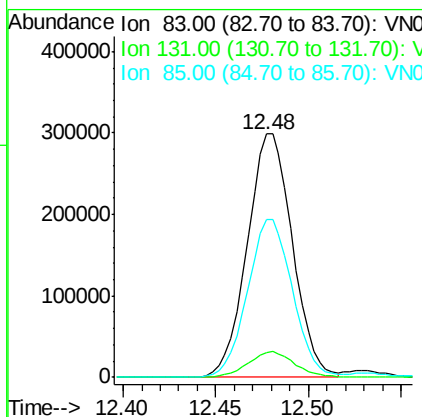
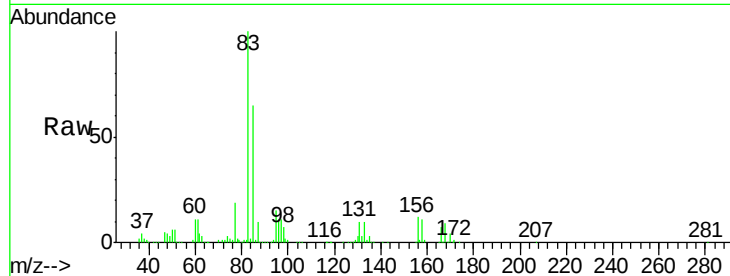
#71
 1,1,2,2-Tetrachloroethane
 Concen: 90.462 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	505359
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.7	17.0
85	64.6	33.0	98.9

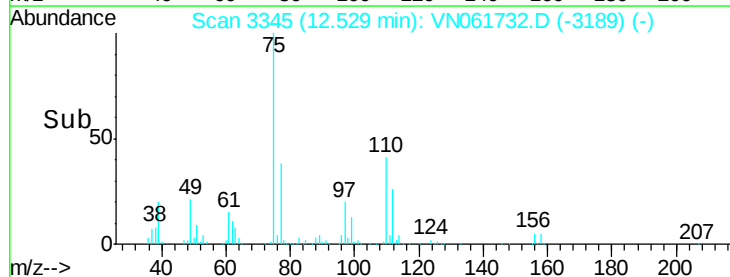
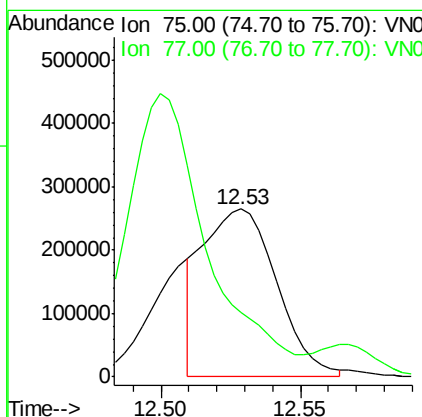
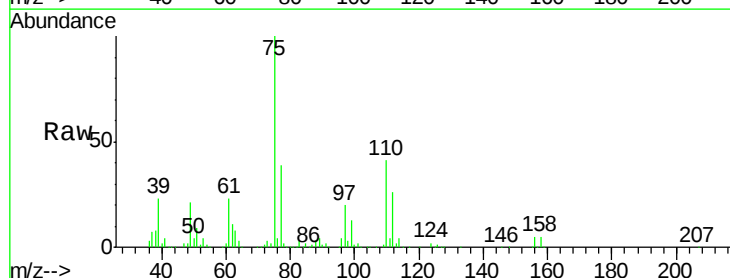
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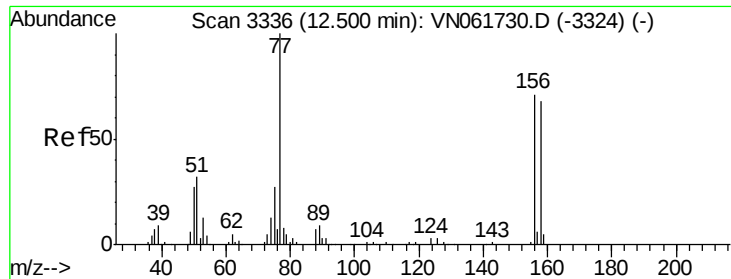
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#72
 1,2,3-Trichloropropane
 Concen: 92.690 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	75	Resp	489190
Ion Ratio	100	Lower	Upper
75	100		
77	185.0	0.0	371.8





#73

Bromobenzene

Concen: 118.359 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

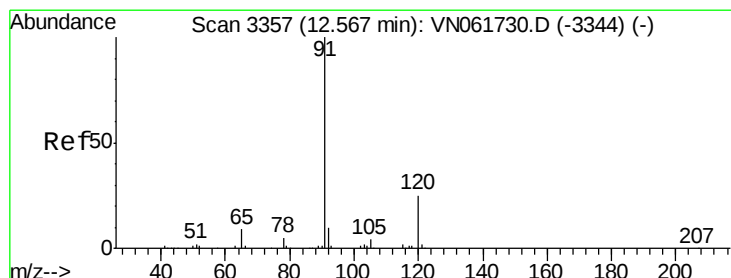
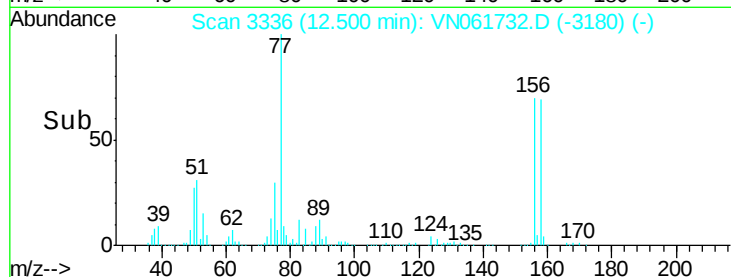
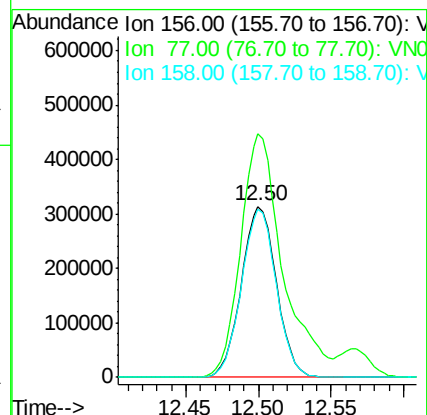
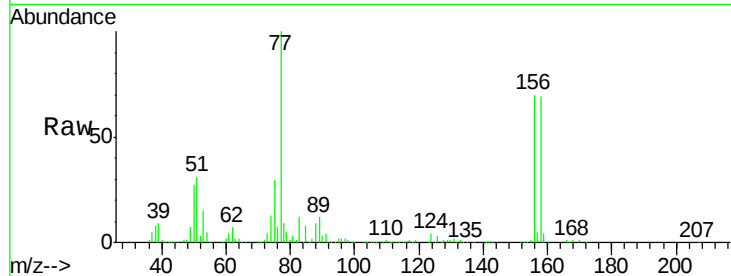
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.5	0.0	350.0
158	97.7	0.0	195.4

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#74

n-propylbenzene

Concen: 91.293 ug/l

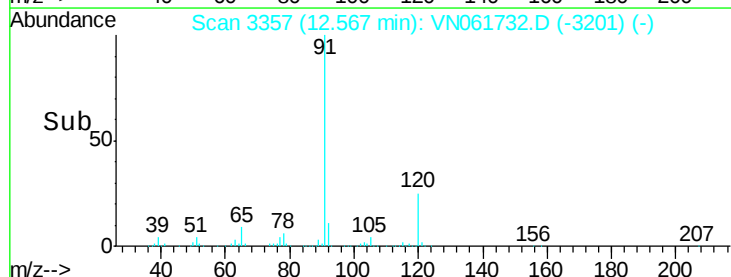
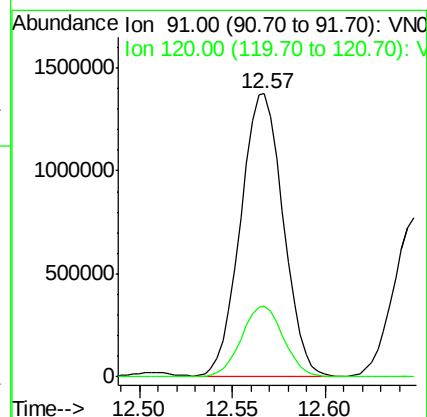
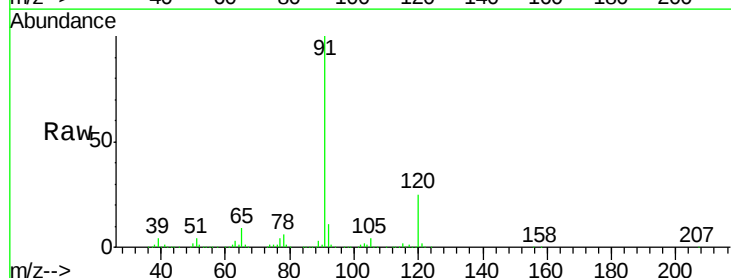
RT: 12.57 min Scan# 3357

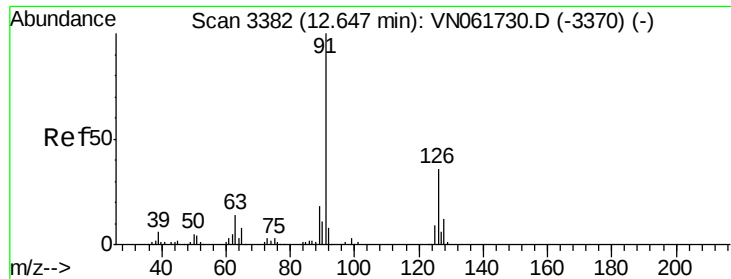
Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	48.4





#75

2-Chlorotoluene

Concen: 93.240 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1291006

Ion Ratio Lower Upper

91 100

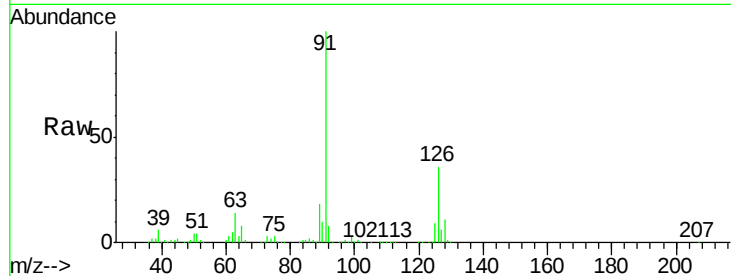
126 35.9 0.0 72.0

Manual Integrations

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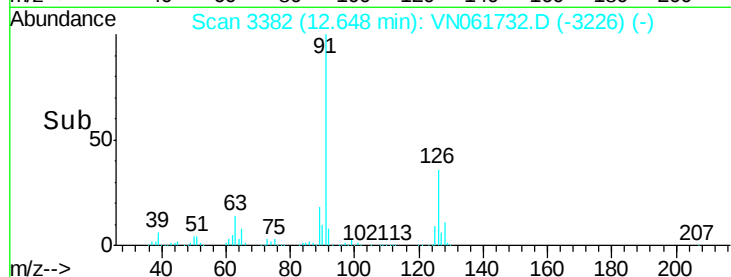
MMDadoda

6/11/2020 12:44:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061732.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061732.D (-3370) (-)



Abundance

1500000

Ion 91.00 (90.70 to 91.70): VN061732.D (-3370) (-)

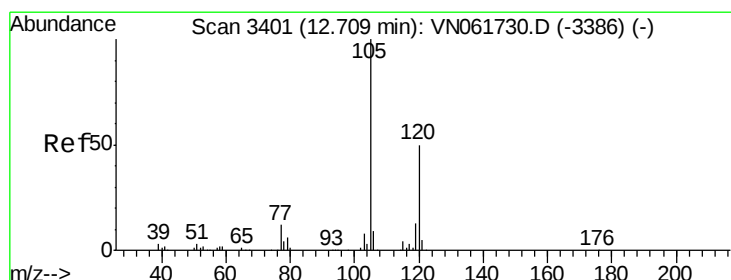
Ion 126.00 (125.70 to 126.70): VN061732.D (-3370) (-)

1000000

500000

0

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 95.450 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061732.D

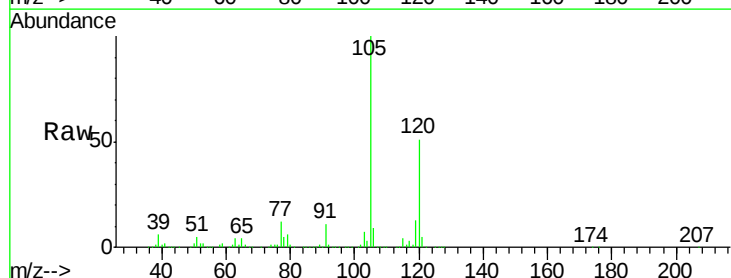
Acq: 10 Jun 2020 11:41

Tgt Ion: 105 Resp: 1636677

Ion Ratio Lower Upper

105 100

120 50.7 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061732.D (-3386) (-)

Ion 120.00 (119.70 to 120.70): VN061732.D (-3386) (-)

1200000

1000000

800000

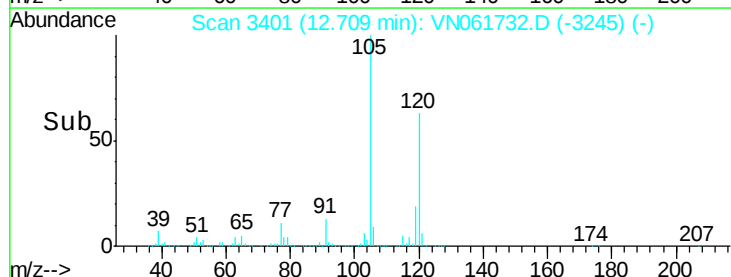
600000

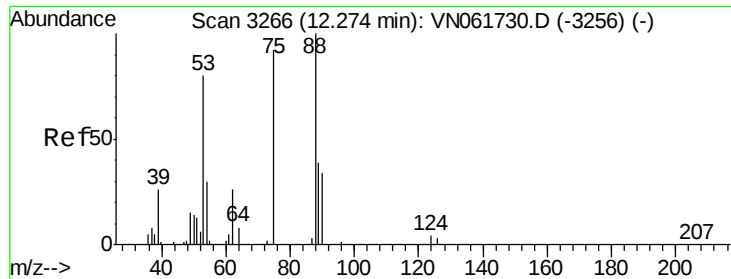
400000

200000

0

Time-->





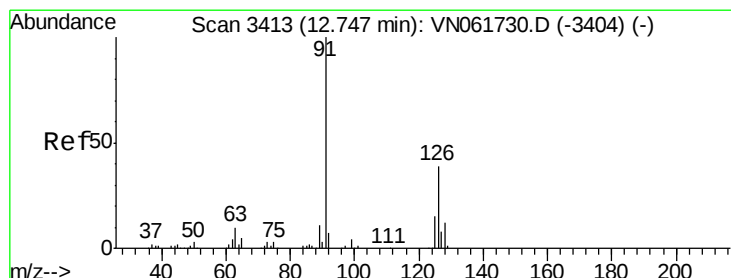
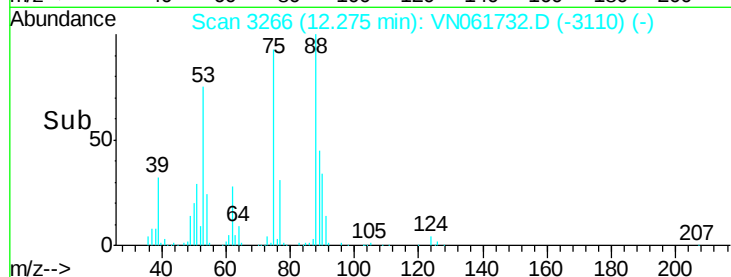
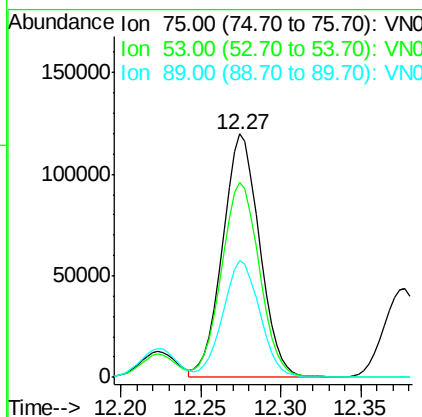
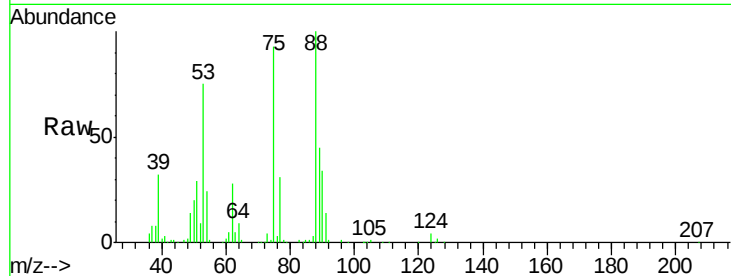
#77
t-1,4-Dichloro-2-butene
Concen: 87.275 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.2	43.8	131.4
89	47.9	23.1	69.2

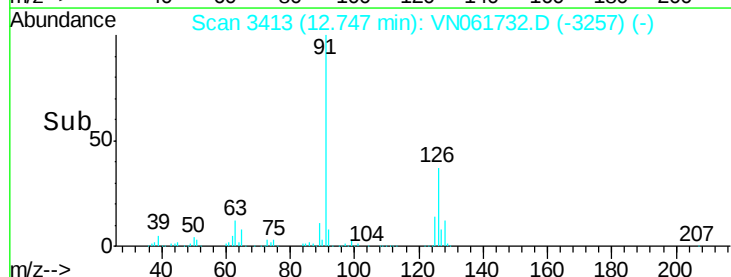
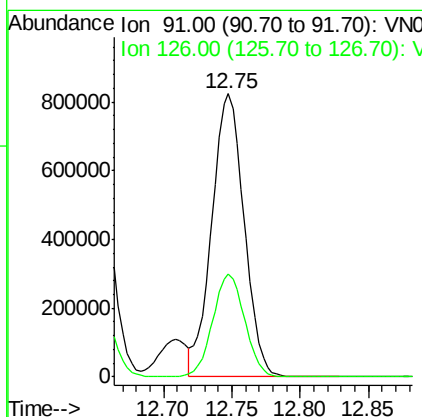
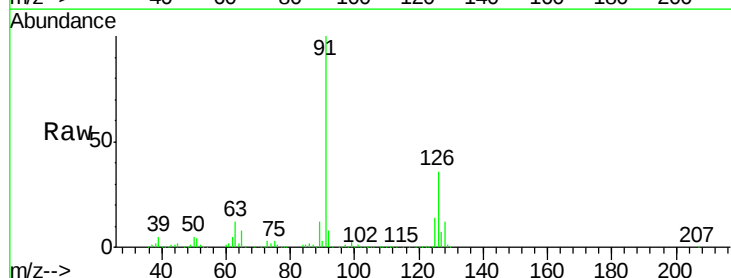
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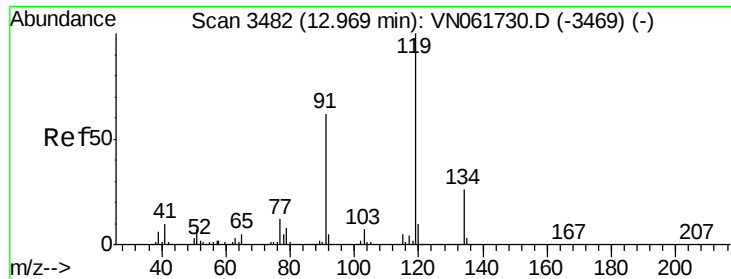
MMDadoda
6/11/2020 12:44:32 PM



#78
4-Chlorotoluene
Concen: 93.046 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	70.4





#79

tert-butylbenzene

Concen: 98.840 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061732.D

Acq: 10 Jun 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1411288

Ion Ratio Lower Upper

119 100

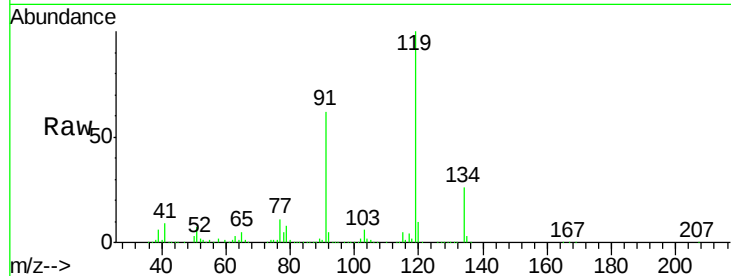
91 61.6 0.0 124.6

134 26.6 0.0 51.4

Manual Integrations
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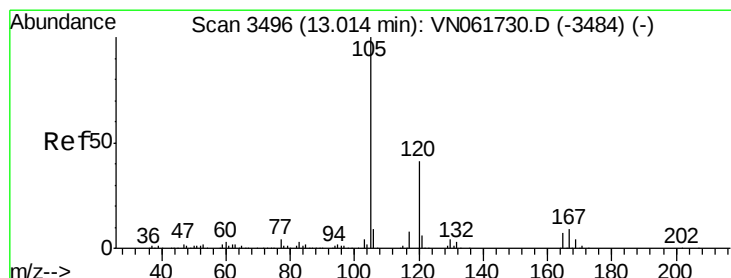
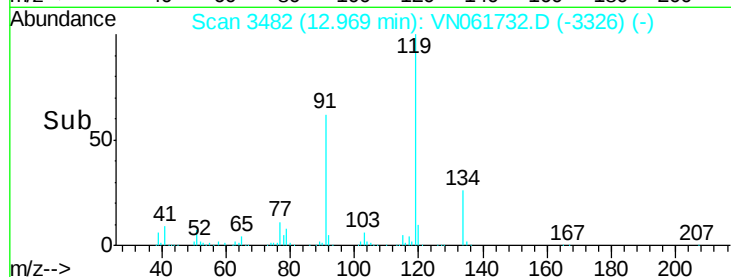
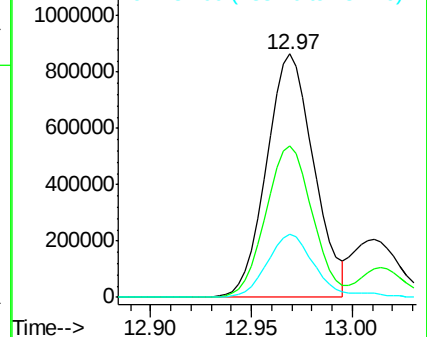
6/11/2020 12:44:32 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 96.708 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061732.D

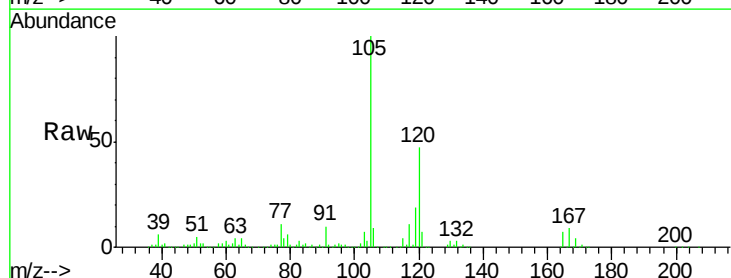
Acq: 10 Jun 2020 11:41

Tgt Ion:105 Resp: 1662505

Ion Ratio Lower Upper

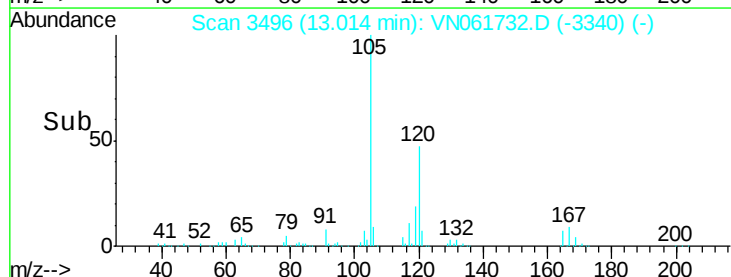
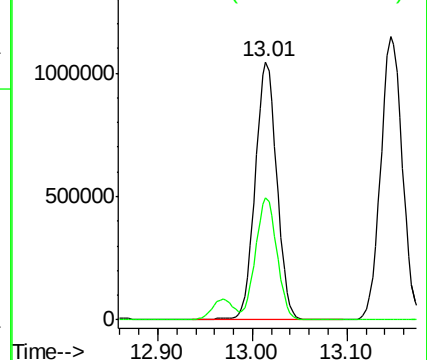
105 100

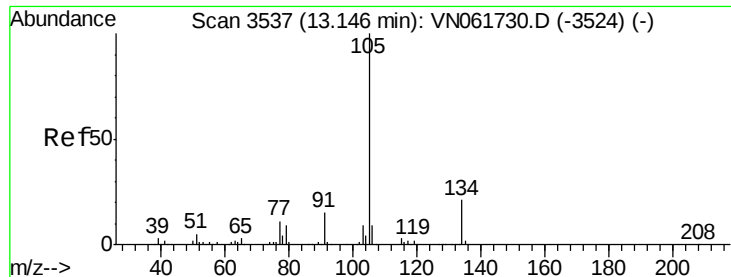
120 47.4 0.0 95.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





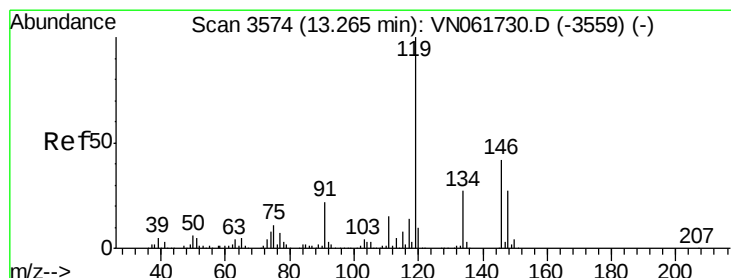
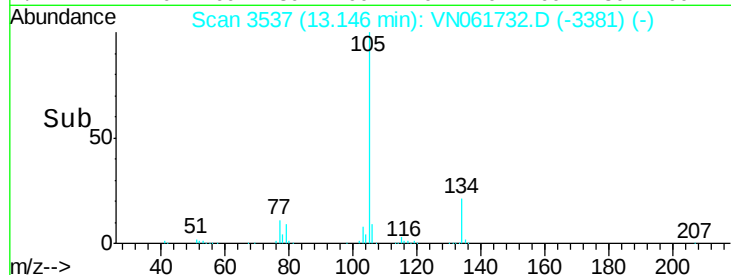
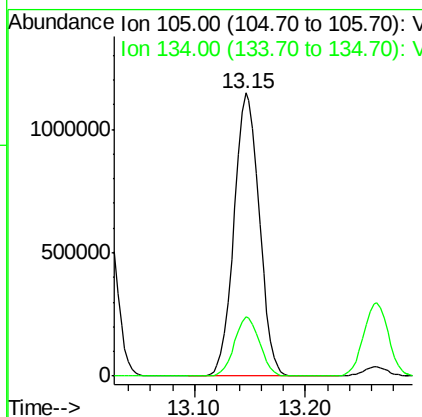
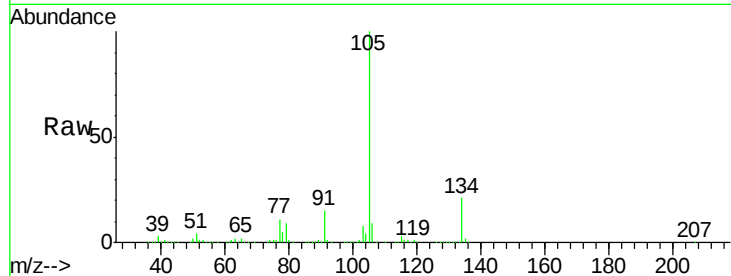
#81
 sec-Butylbenzene
 Concen: 93.169 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1820189
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.8

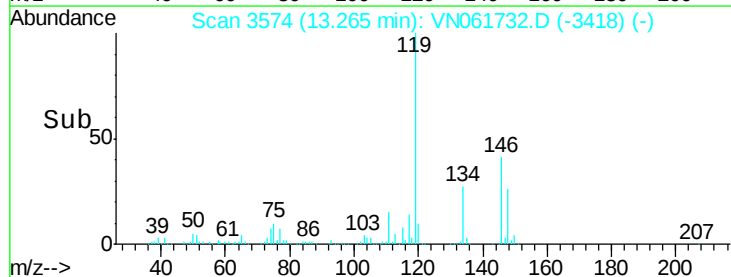
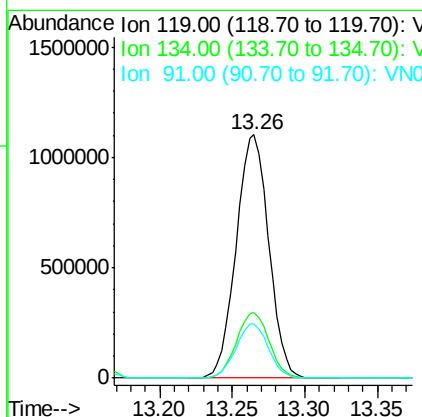
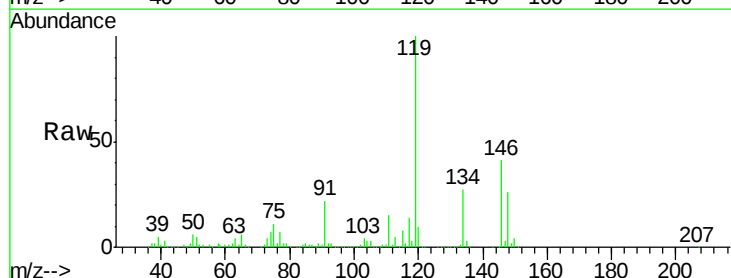
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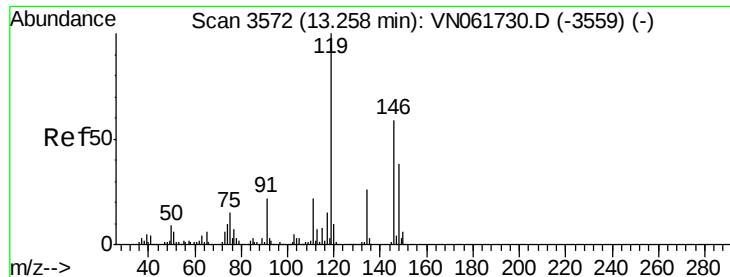
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#82
 p-Isopropyltoluene
 Concen: 97.241 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion:119 Resp: 1718695
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.4
 91 22.1 0.0 45.2





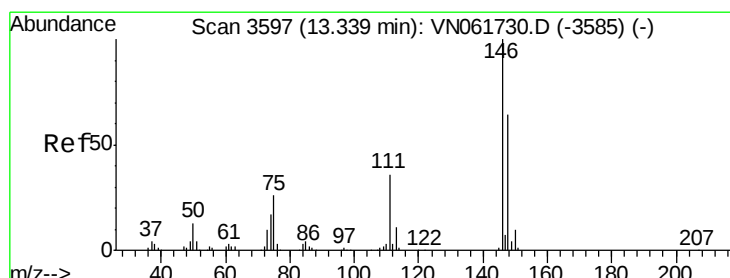
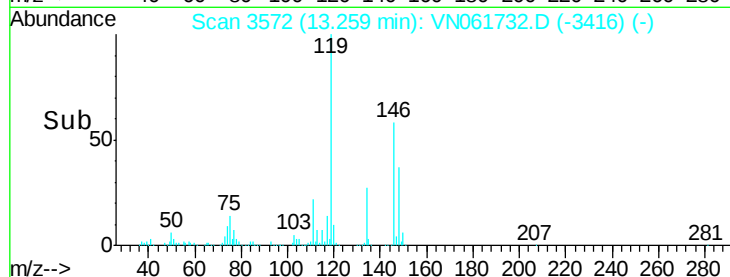
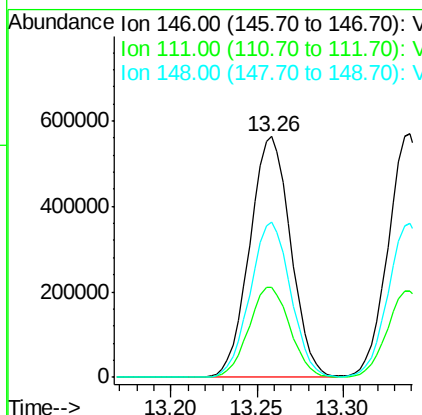
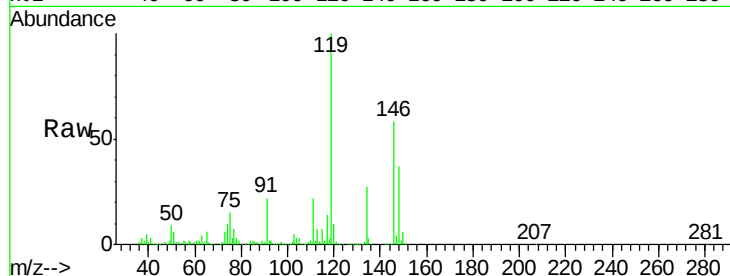
#83
1,3-Dichlorobenzene
Concen: 113.070 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	63.8	31.9	95.5

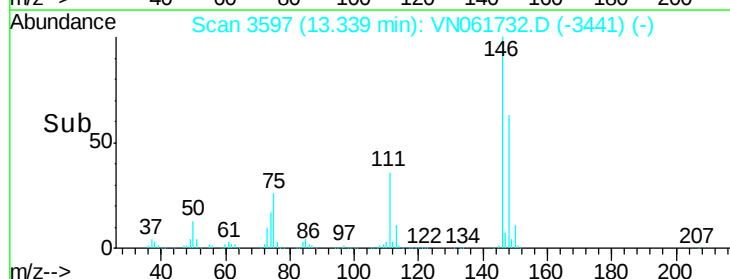
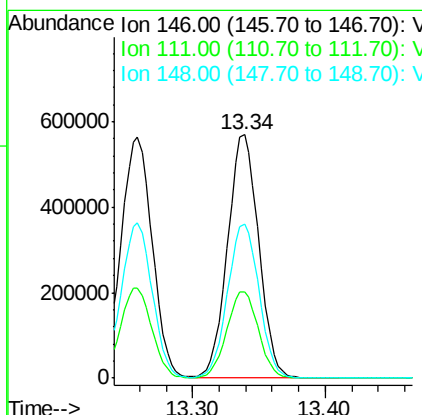
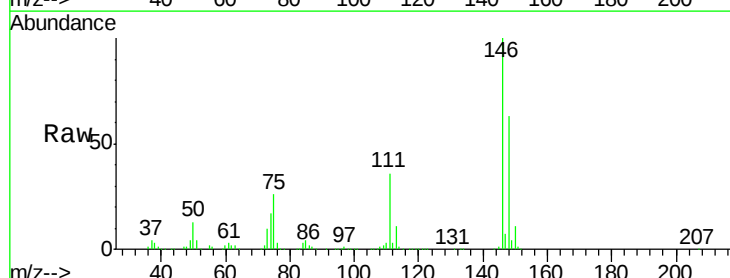
Manual Integrations
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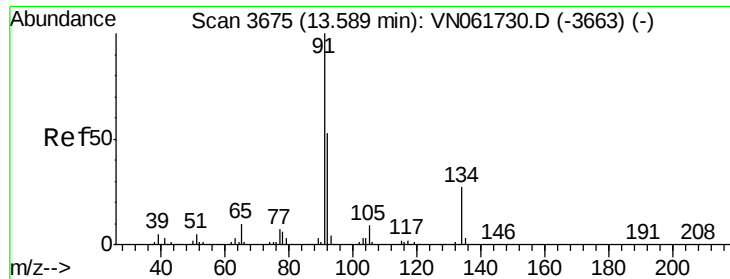
MMDadoda
6/11/2020 12:44:32 PM



#84
1,4-Dichlorobenzene
Concen: 114.446 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	55.8
148	63.8	32.2	96.6





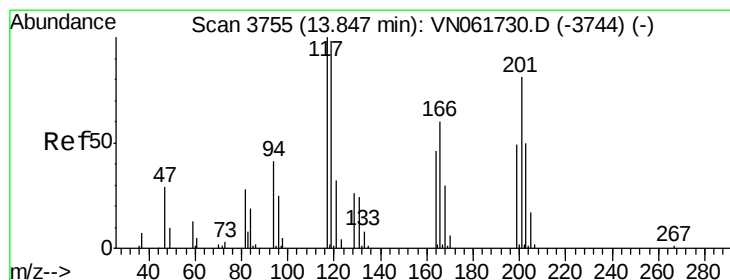
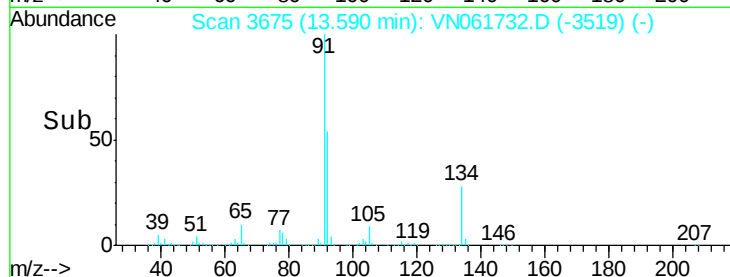
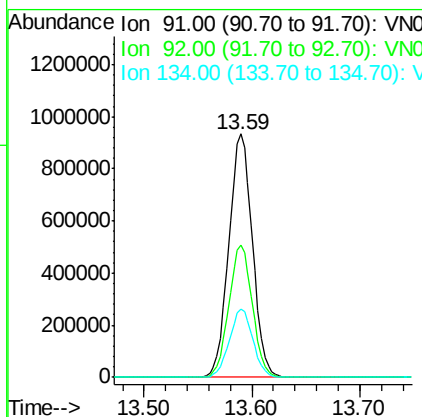
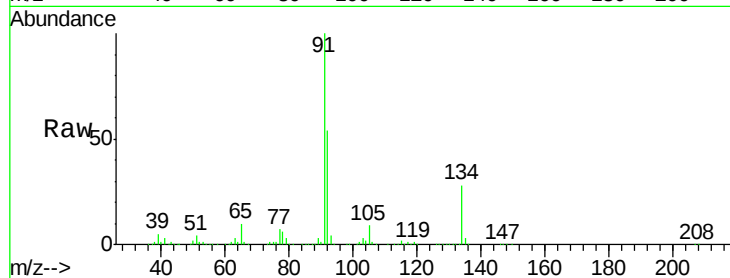
#85
n-Butylbenzene
Concen: 88.727 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1423983
Ion Ratio Lower Upper
91 100
92 54.2 0.0 107.2
134 28.0 0.0 55.8

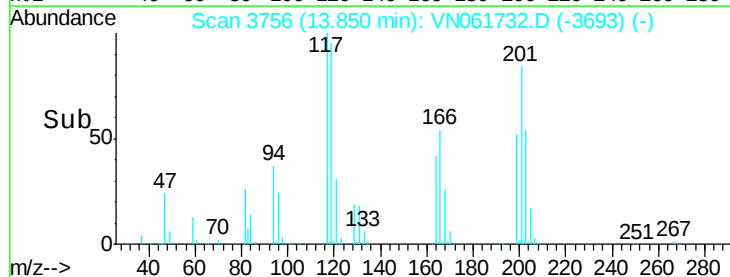
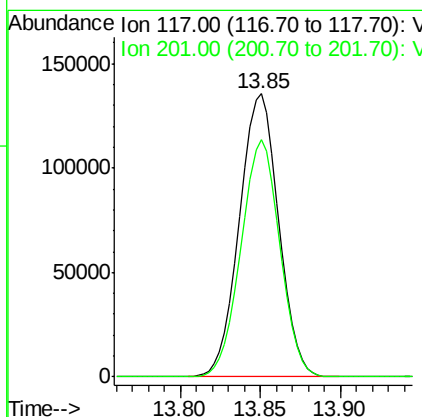
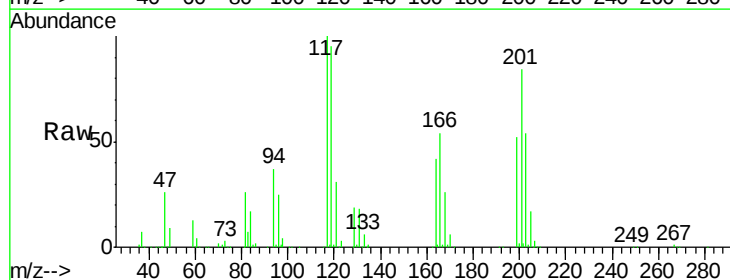
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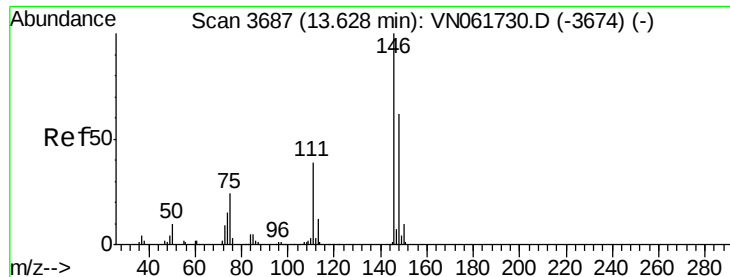
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#86
Hexachloroethane
Concen: 92.748 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion: 117 Resp: 226208
Ion Ratio Lower Upper
117 100
201 83.0 39.1 117.5





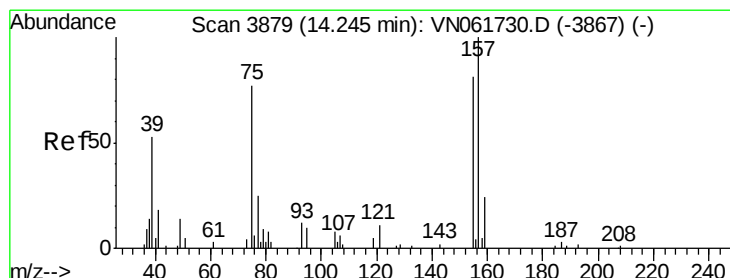
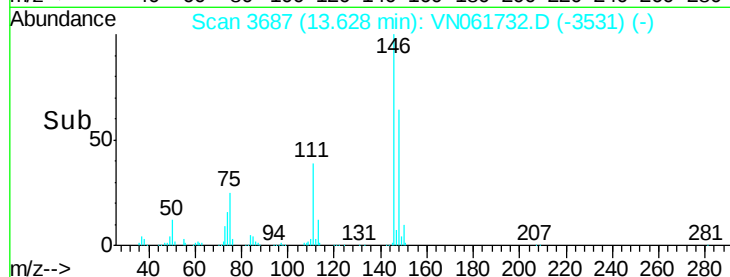
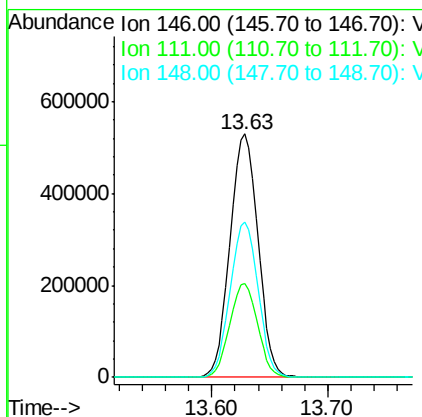
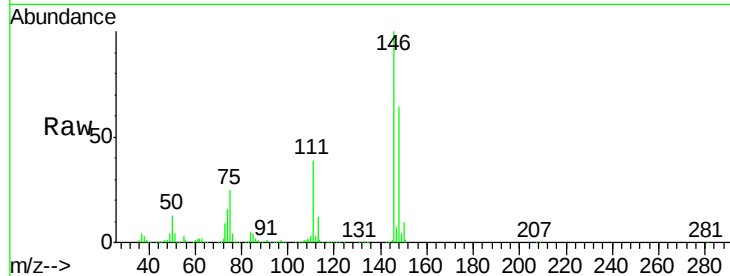
#87
 1,2-Dichlorobenzene
 Concen: 112.983 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.7	31.4	94.0

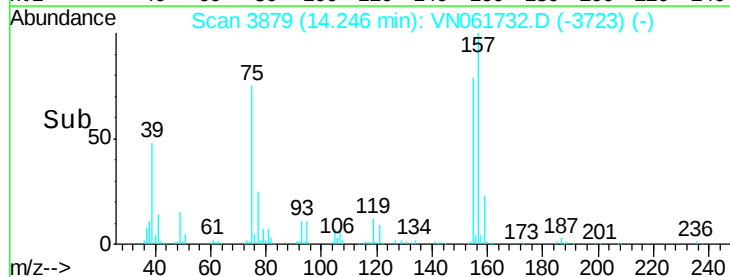
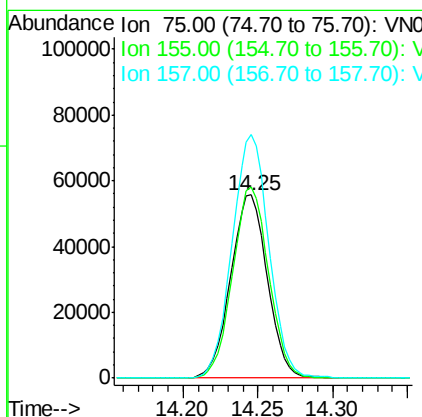
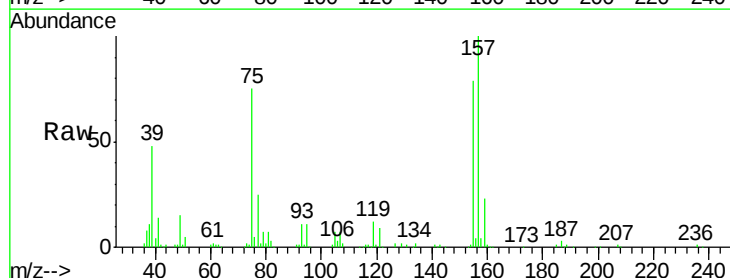
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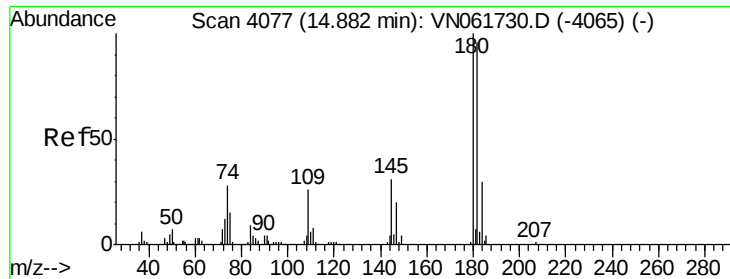
MMDadoda
 6/11/2020 12:44:32 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 82.425 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.5	79.6	119.4
157	132.5	100.8	151.2





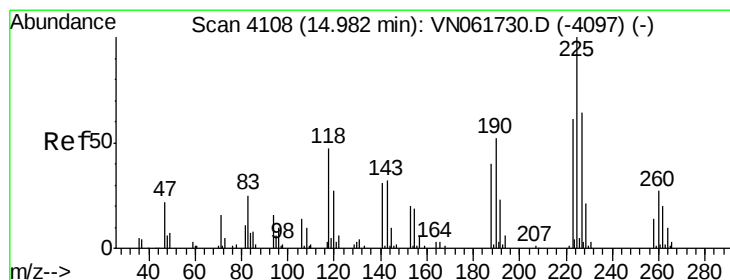
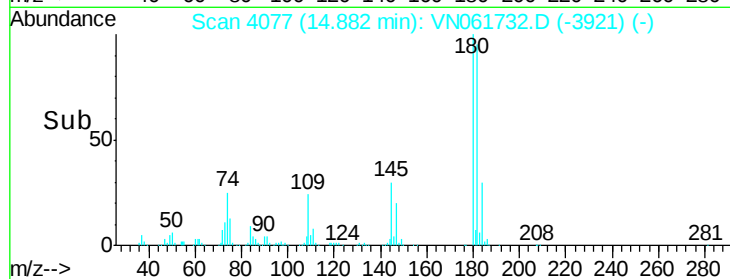
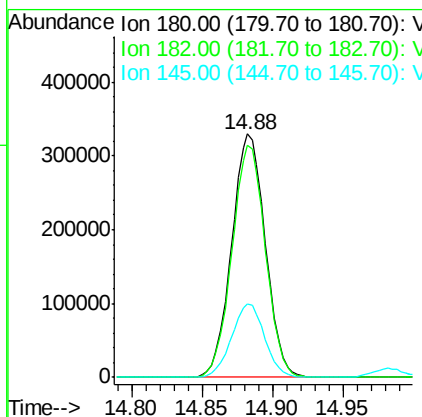
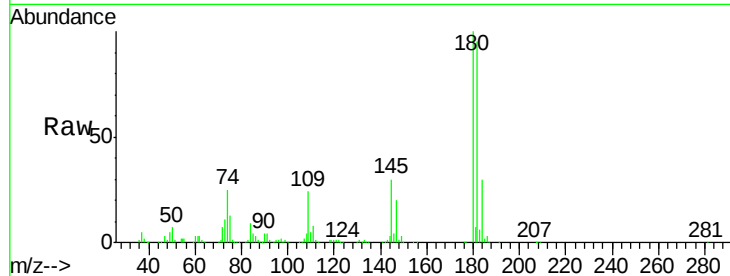
#89
 1,2,4-Trichlorobenzene
 Concen: 123.829 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	550110
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.6	113.4
145	29.7	24.5	36.7

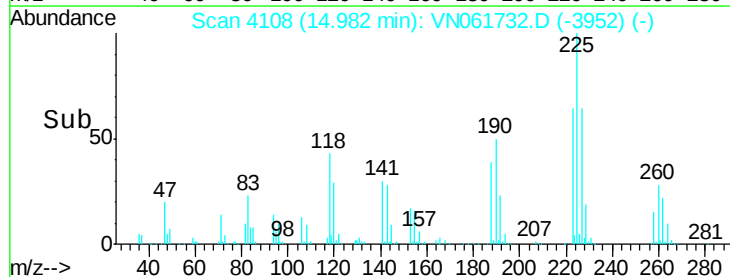
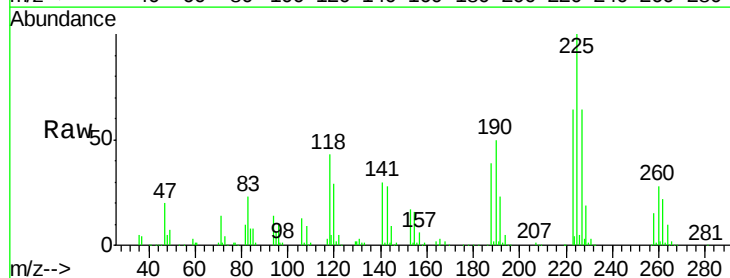
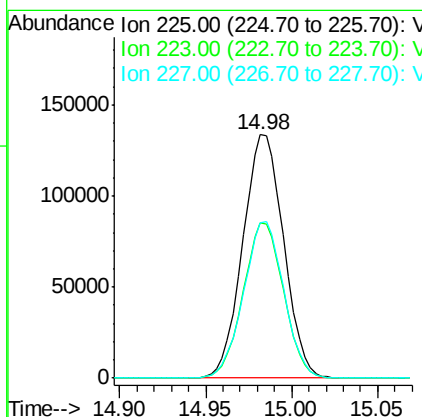
Manual Integrations
 APPROVED

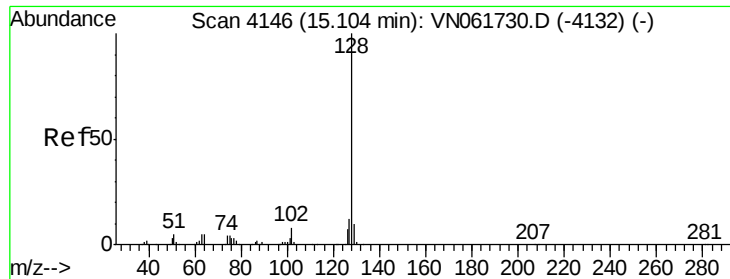
MMDadoda
 6/11/2020 12:44:32 PM



#90
 Hexachlorobutadiene
 Concen: 118.209 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061732.D
 Acq: 10 Jun 2020 11:41

Tgt Ion:	225	Resp:	219931
Ion Ratio	Lower	Upper	
225	100		
223	63.1	0.0	121.6
227	63.5	0.0	126.8





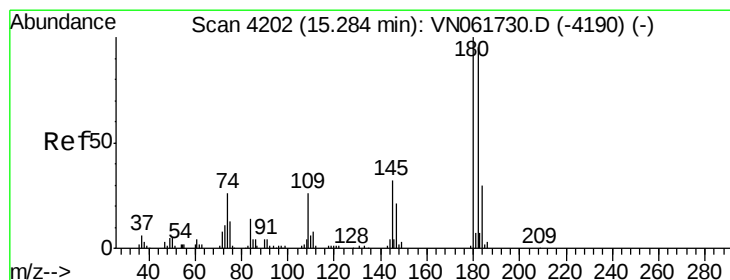
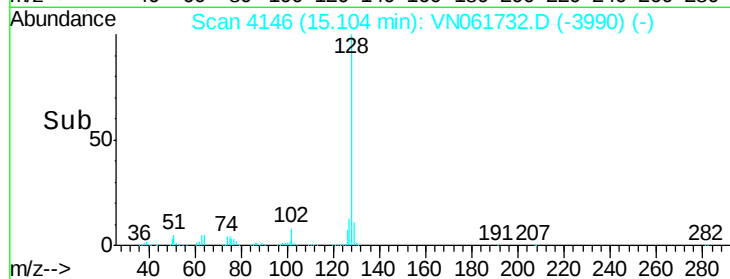
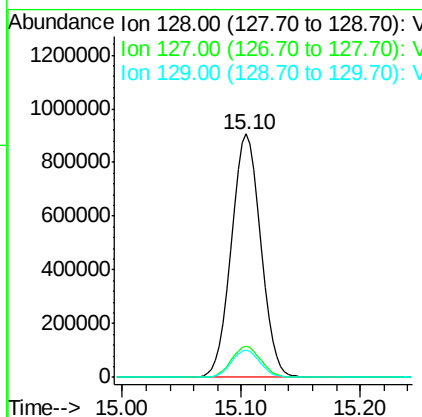
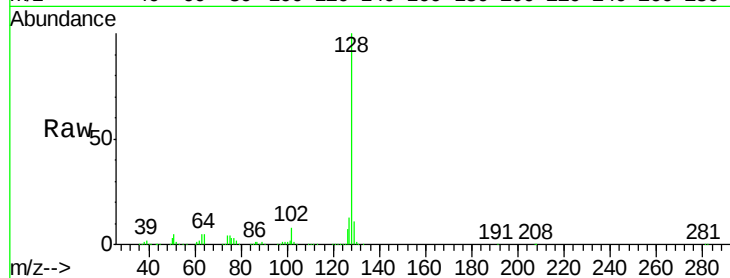
#91
Naphthalene
Concen: 113.371 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 120.624 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061732.D
Acq: 10 Jun 2020 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	191.0
145	31.7	0.0	64.6

