

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061730.D
 Acq On : 10 Jun 2020 10:54
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:28 PM

Quant Time: Jun 10 12:15:09 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	72791	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	384663	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	360753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	135115	22.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	73.93%
60) 4-Bromofluorobenzene	12.37	95	157109	26.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.13%
63) Toluene-d8	10.06	98	466988	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	57331	17.604	ug/l 100
3) Chloromethane	2.03	50	70885	12.828	ug/l 100
4) Vinyl Chloride	2.16	62	96680	13.030	ug/l 100
5) Bromomethane	2.54	94	64865	16.475	ug/l 100
6) Chloroethane	2.67	64	66776	13.299	ug/l 100
7) Trichlorofluoromethane	2.98	101	150124	17.821	ug/l 100
8) Diethyl Ether	3.37	74	41006	15.563	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	67568	18.557	ug/l 100
10) 1,1-Dichloroethene	3.70	96	66438	17.467	ug/l 100
11) Methyl Iodide	3.91	142	91834	21.153	ug/l 100
12) Methyl Acetate	4.28	43	50952	11.797	ug/l 100
13) Acrolein	3.57	56	32759	45.928	ug/l 100
14) Acrylonitrile	4.93	53	131645	64.474	ug/l 100
15) Acetone	3.78	58	41965	82.266	ug/l 100
16) Carbon Disulfide	4.01	76	163922	16.033	ug/l 100
17) Allyl chloride	4.28	41	78975	11.171	ug/l 100
18) Methylene Chloride	4.50	84	75514	16.494	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	73536	16.358	ug/l 100
20) Diisopropyl ether	5.90	45	177445	10.814	ug/l 100
21) 1,1-Dichloroethane	5.80	63	119925	13.562	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	83582	16.036	ug/l 100
23) tert-Butyl Alcohol	4.73	59	49872	74.835	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	204106	13.818	ug/l 100
25) Chloroform	7.33	83	132774	15.161	ug/l 100
26) Cyclohexane	7.61	56	91816	11.172	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	96127	15.095	ug/l 100
30) 2-Butanone	6.78	43	164835	63.238	ug/l 100
31) 2,2-Dichloropropane	6.78	77	111728	14.990	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	121354	16.651	ug/l 100
33) Carbon Tetrachloride	7.73	117	96103	17.011	ug/l 100
34) Benzene	8.00	78	299008	16.372	ug/l 100
35) Methacrylonitrile	7.14	41	35105m	14.021	ug/l 100
36) 1,2-Dichloroethane	8.08	62	93888	13.804	ug/l 100
37) Trichloroethene	8.80	130	92112	19.579	ug/l 100
38) Methylcyclohexane	9.05	83	107777	14.230	ug/l 100
39) 1,2-Dichloropropane	9.08	63	69895	14.308	ug/l 100
40) Dibromomethane	9.17	93	52757	16.803	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	106489	15.884	ug/l	100
42) Vinyl Acetate	5.84	43	683142	55.890	ug/l	100
43) Ethyl Acetate	6.88	43	60015	11.138	ug/l	100
44) Isopropyl Acetate	8.12	43	117952	11.103	ug/l	100
45) 1,4-Dioxane	9.17	88	23427	474.559	ug/l	100
46) Methyl methacrylate	9.17	41	48471	9.822	ug/l	100
47) n-amyl Acetate	12.05	43	91534	9.756	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	106749	13.813	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	119925	14.514	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	74847	17.169	ug/l	100
51) Ethyl methacrylate	10.40	69	93604	13.111	ug/l	100
52) 1,3-Dichloropropane	10.68	76	119224	15.443	ug/l	100
53) Dibromochloromethane	10.87	129	87810	18.151	ug/l	100
54) 1,2-Dibromoethane	10.98	107	78877	17.490	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	164307	53.291	ug/l	100
56) Bromoform	12.10	173	58450	18.900	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	336189	56.631	ug/l	100
59) 2-Hexanone	10.72	43	240491	57.179	ug/l	100
61) Tetrachloroethene	10.60	164	103240	22.119	ug/l	100
62) Toluene	10.12	91	338149	16.713	ug/l	100
64) Chlorobenzene	11.41	112	212959	17.562	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	80470	18.057	ug/l	100
66) Ethyl Benzene	11.48	91	358678	15.609	ug/l	100
67) m/p-Xylenes	11.60	106	286508	33.303	ug/l	100
68) o-Xylene	11.92	106	136176	16.641	ug/l	100
69) Styrene	11.94	104	222095	15.811	ug/l	100
70) Isopropylbenzene	12.22	105	355733	16.086	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	94516	15.657	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	88945m	15.596	ug/l	100
73) Bromobenzene	12.50	156	94491	19.622	ug/l	100
74) n-propylbenzene	12.57	91	403680	15.466	ug/l	100
75) 2-Chlorotoluene	12.65	91	234059	15.644	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	295259	15.935	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	31397	13.331	ug/l	100
78) 4-Chlorotoluene	12.75	91	243914	15.534	ug/l	100
79) tert-butylbenzene	12.97	119	250683	16.247	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	298069	16.046	ug/l	100
81) sec-Butylbenzene	13.15	105	331420	15.699	ug/l	100
82) p-Isopropyltoluene	13.26	119	303396	15.886	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	168248	18.906	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	163941	18.716	ug/l	100
85) n-Butylbenzene	13.59	91	245878	14.178	ug/l	100
86) Hexachloroethane	13.85	117	37552	14.249	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	163442	19.392	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.25	75	17020	13.634	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	89647	18.675	ug/l	100
90) Hexachlorobutadiene	14.98	225	41221	20.503	ug/l	100
91) Naphthalene	15.10	128	245692	16.607	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	90162	19.179	ug/l	100

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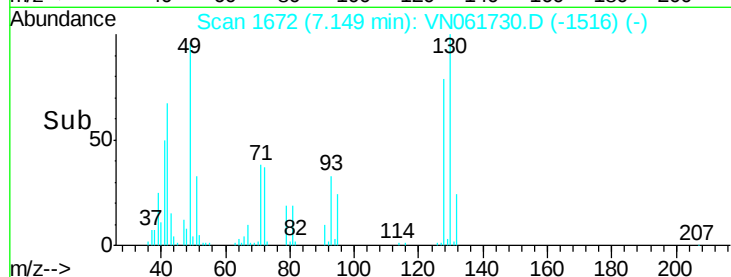
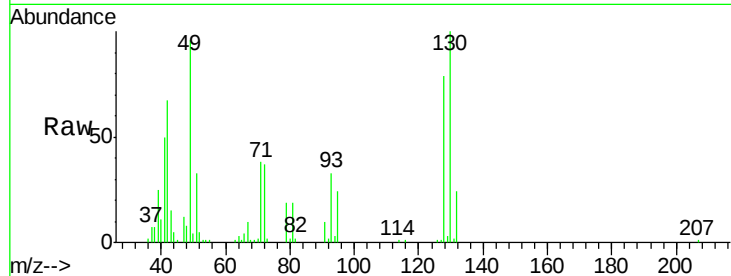
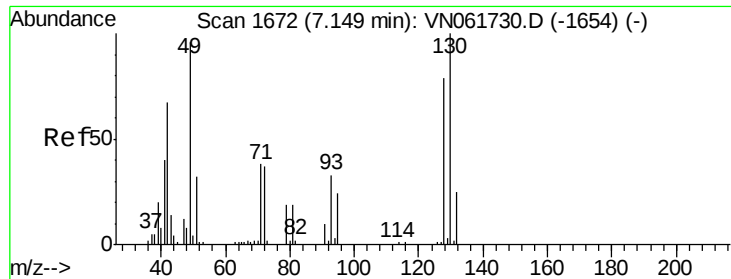
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061730.D

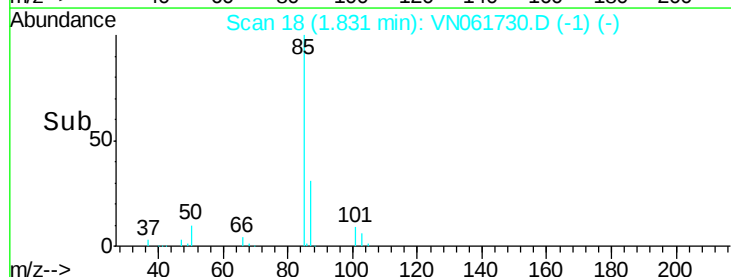
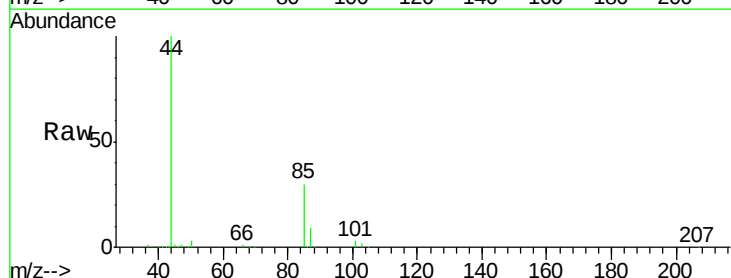
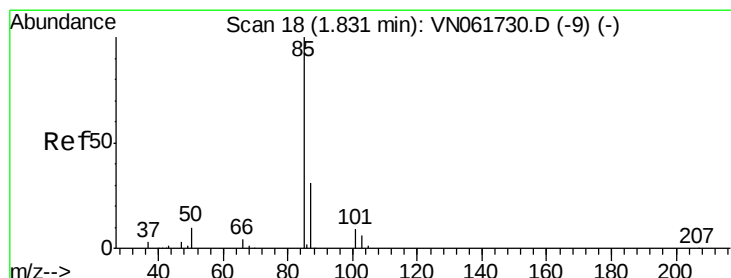
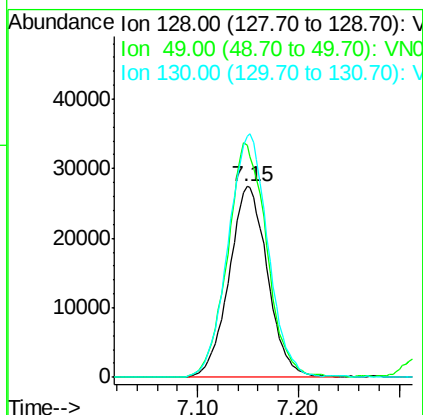
Acq: 10 Jun 2020 10:54

Tot Ion:	128	Resp:	72791
Ion	Ratio	Lower	Upper
128	100		
49	124.9	0.0	312.3
130	131.5	0.0	328.7

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#2

Dichlorodifluoromethane

Concen: 17.604 ug/l

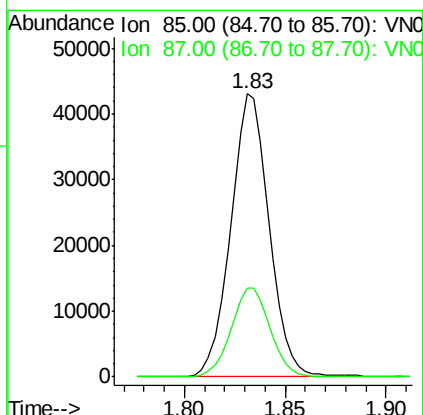
RT: 1.83 min Scan# 18

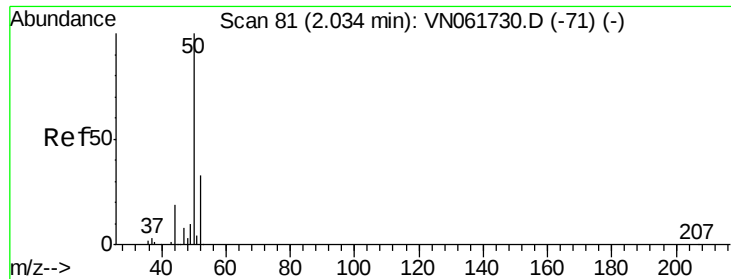
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	85	Resp:	57331
Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1





#3

Chloromethane

Concen: 12.828 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tot Ion: 50 Resp: 70885

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2

Instrument :

MSVOA_N

ClientSampleId :

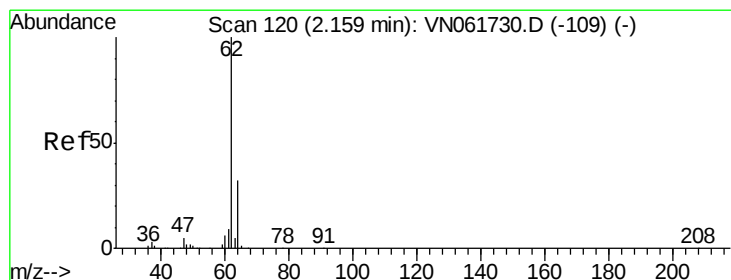
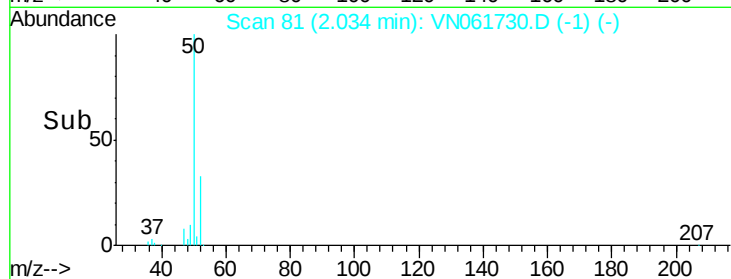
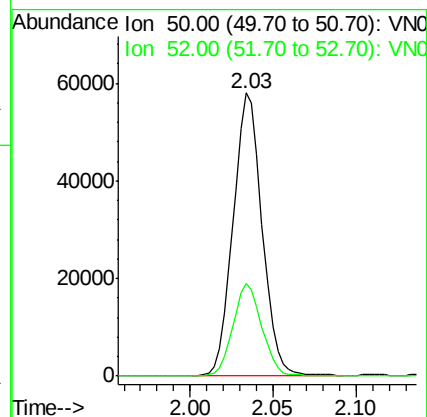
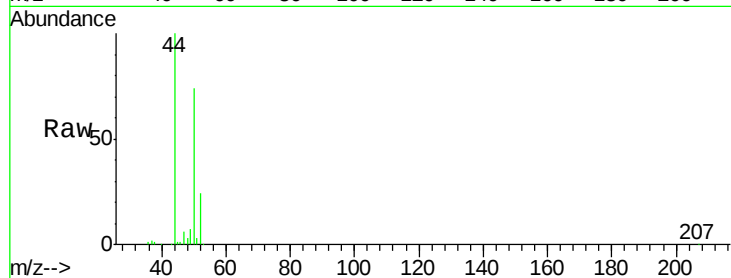
VSTDICCC020

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#4

Vinyl Chloride

Concen: 13.030 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061730.D

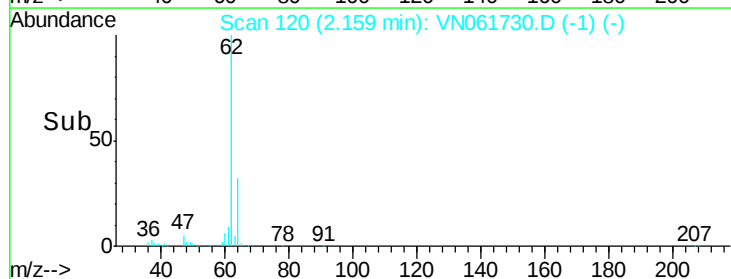
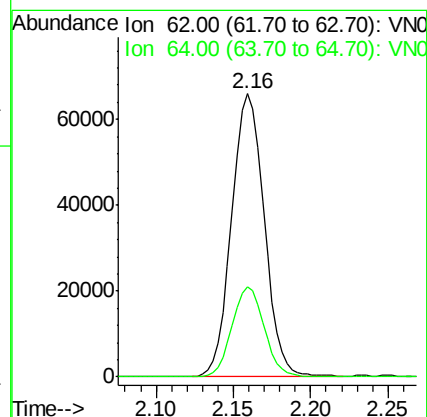
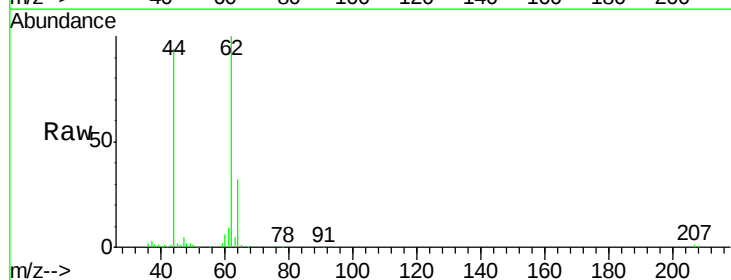
Acq: 10 Jun 2020 10:54

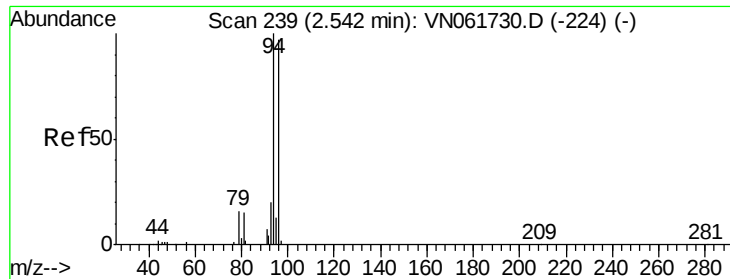
Tgt Ion: 62 Resp: 96680

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 16.475 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 64865

Ion Ratio Lower Upper

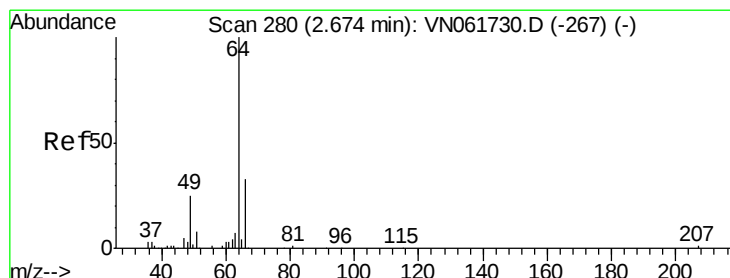
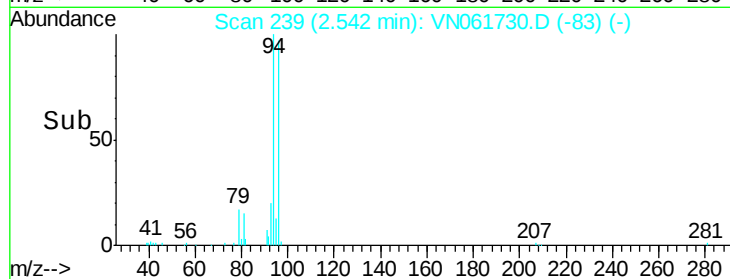
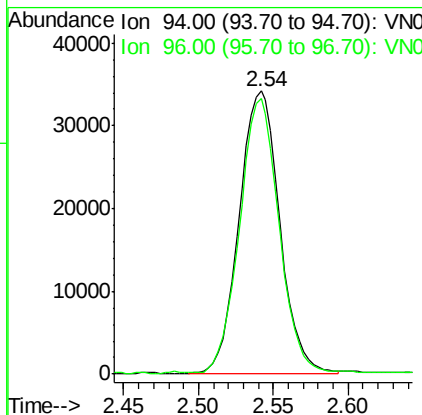
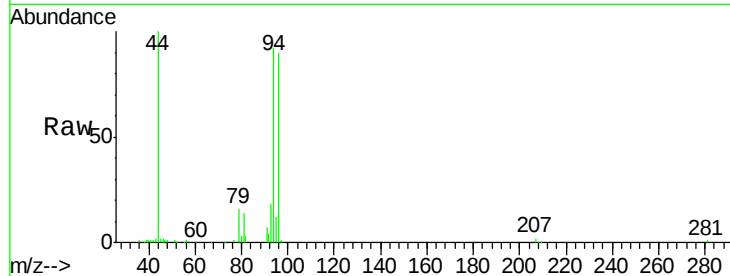
94 100

96 96.8 77.4 116.2

Manual Integrations
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#6

Chloroethane

Concen: 13.299 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061730.D

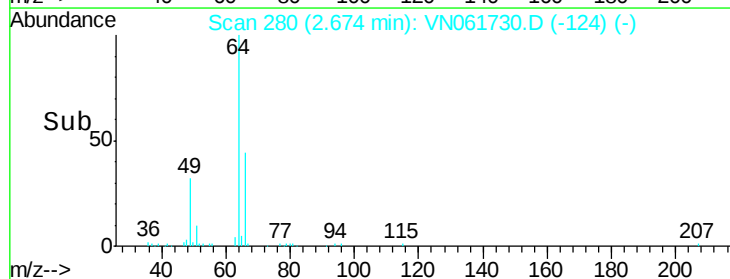
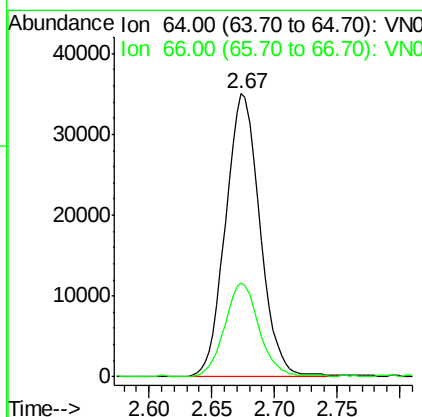
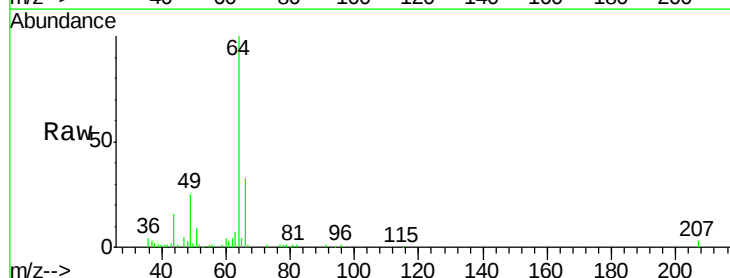
Acq: 10 Jun 2020 10:54

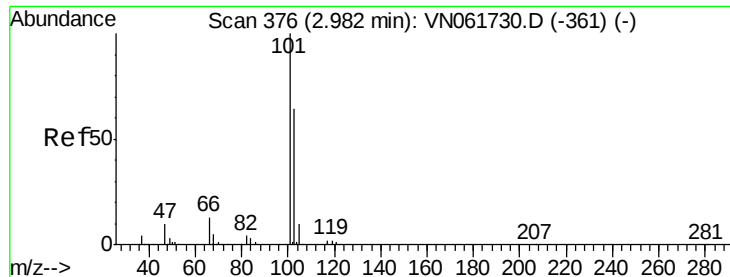
Tgt Ion: 64 Resp: 66776

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8





#7

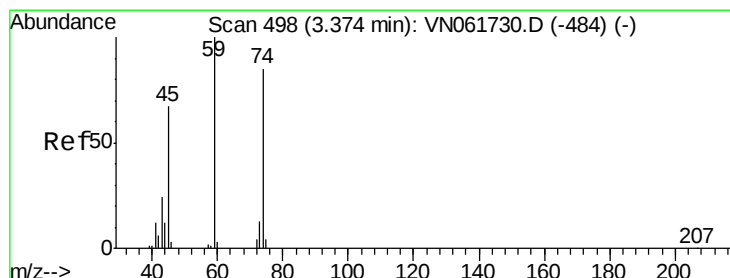
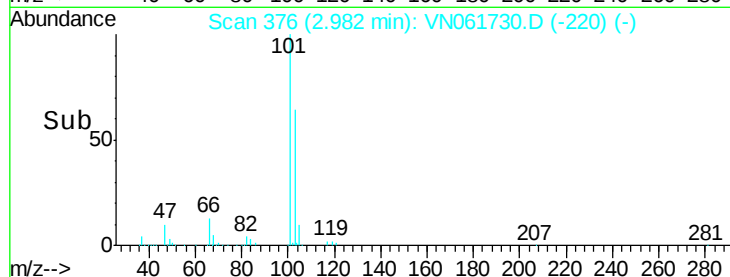
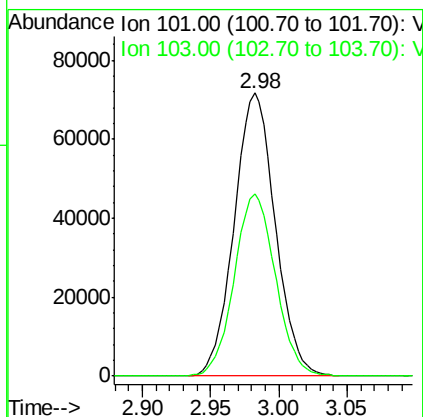
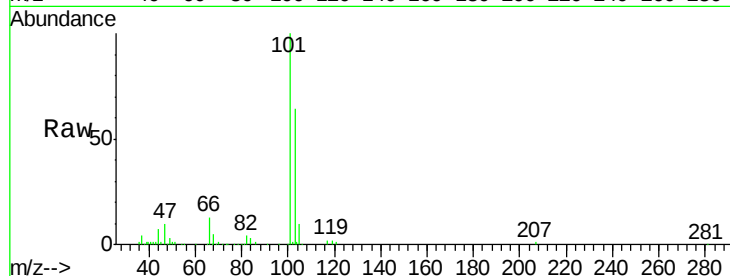
Trichlorofluoromethane
Concen: 17.821 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

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VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
150124	101	100			
	103	63.9	51.1	76.7	

Manual Integrations
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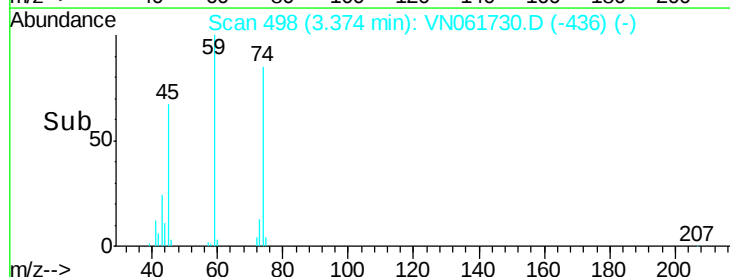
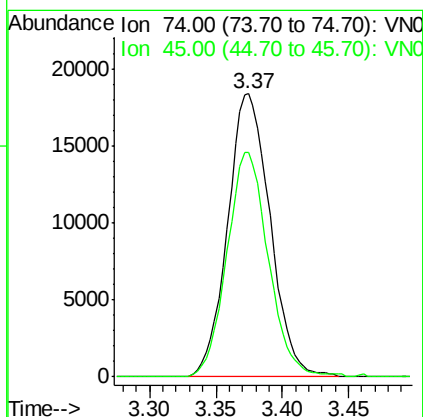
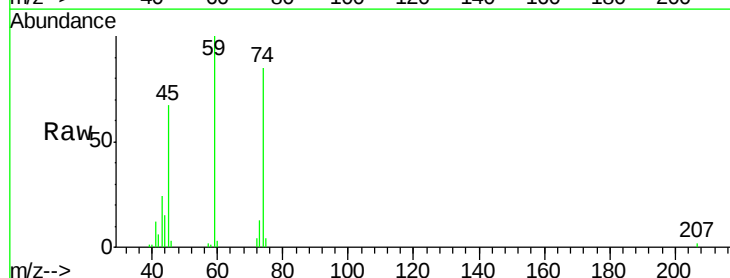
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6/11/2020 12:44:28 PM

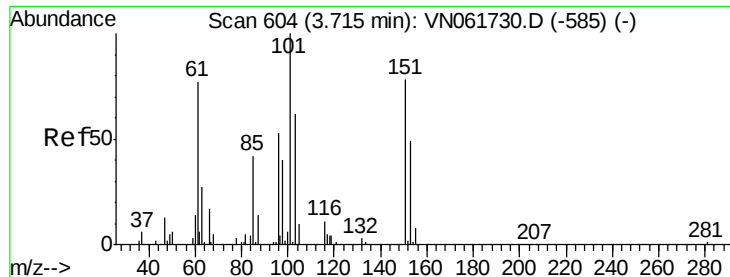


#8

Diethyl Ether
Concen: 15.563 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41006	74	100			
	45	76.9	15.4	138.4	





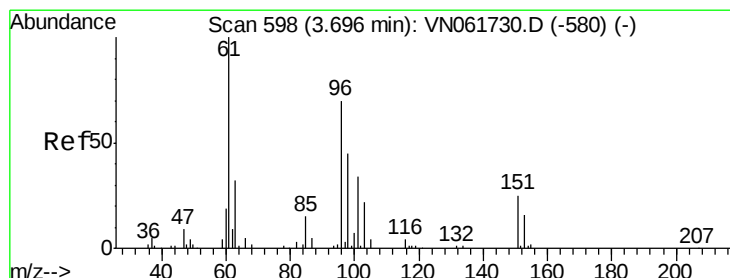
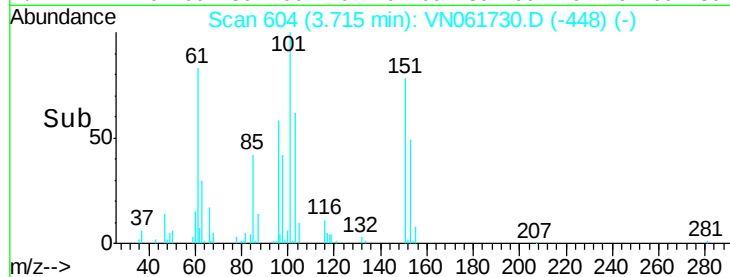
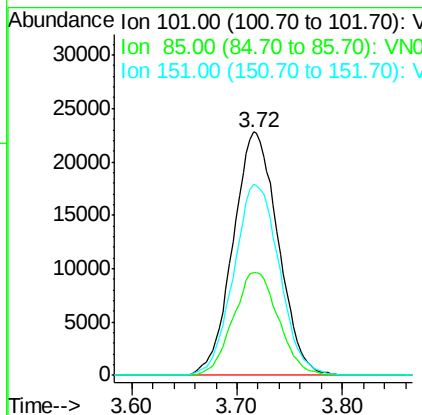
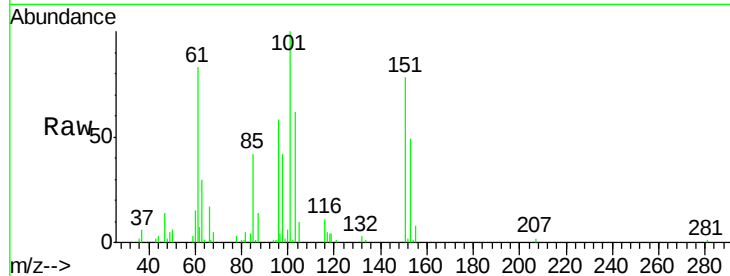
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.557 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061730.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	67568		
85	42.4	0.0	84.8	
151	79.5	0.0	159.0	

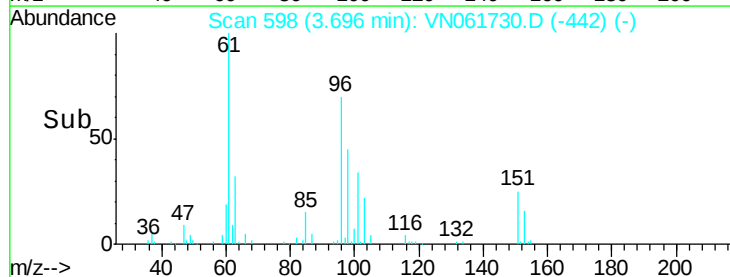
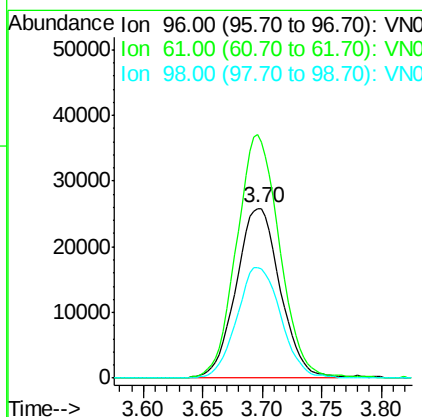
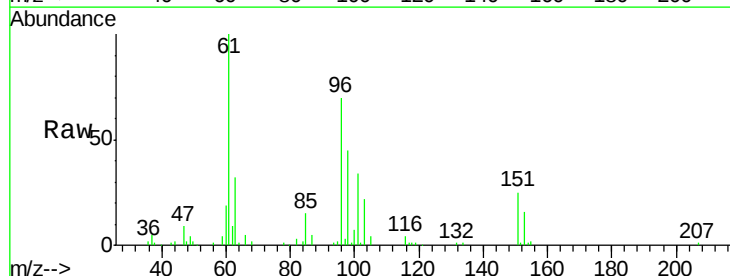
Manual Integrations
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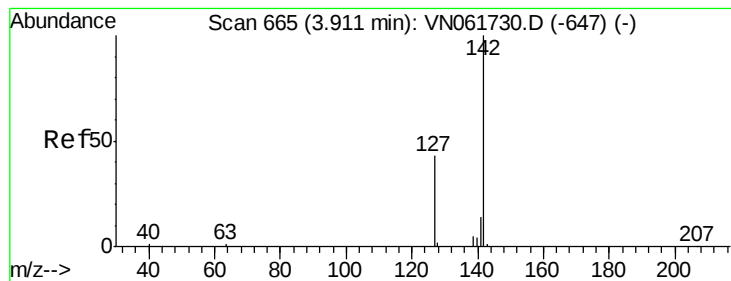
MMDadoda
 6/11/2020 12:44:28 PM



#10
 1,1-Dichloroethene
 Concen: 17.467 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	66438		
61	143.6	114.9	172.3	
98	65.2	52.2	78.2	





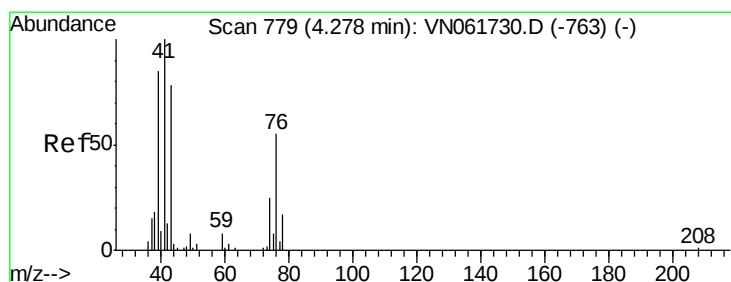
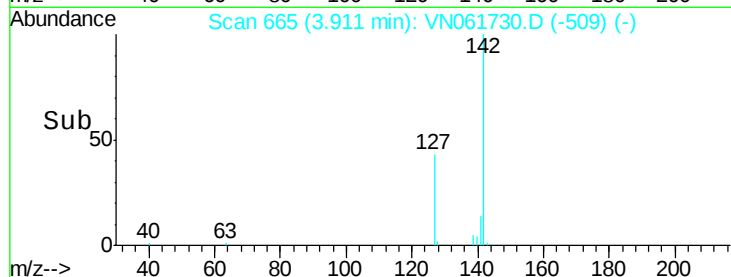
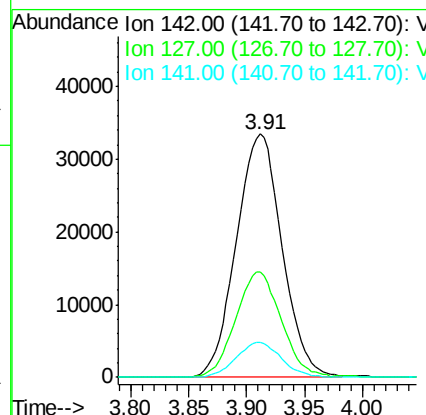
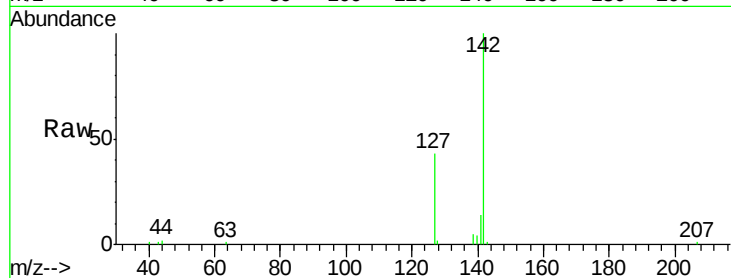
#11
Methvl Iodide
Concen: 21.153 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.1	21.6	64.6
141	14.4	7.2	21.6

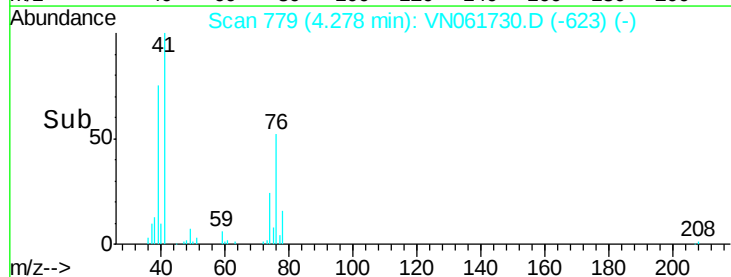
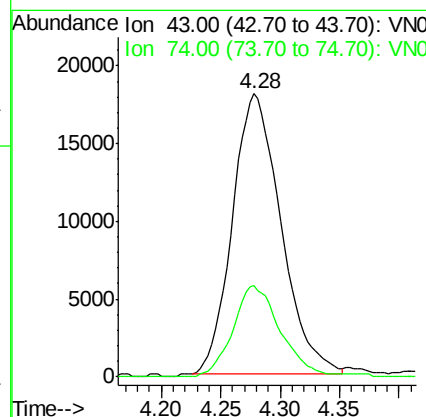
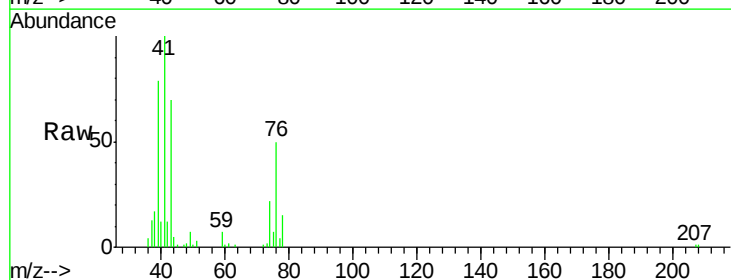
Manual Integrations
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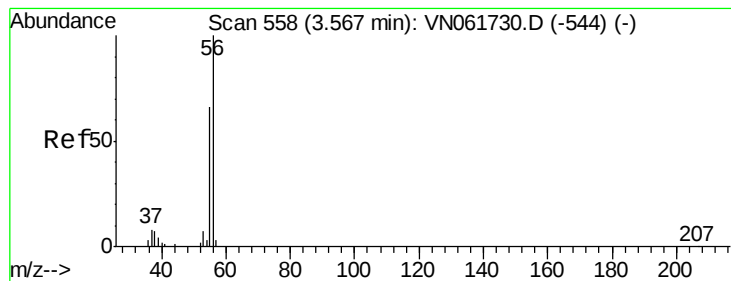
MMDadoda
6/11/2020 12:44:28 PM



#12
Methyl Acetate
Concen: 11.797 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.2	25.8	38.6





#13

Acrolein

Concen: 45.928 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 56 Resp: 32759

Ion Ratio Lower Upper

56 100

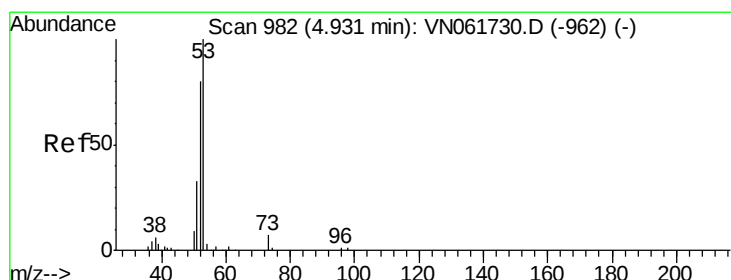
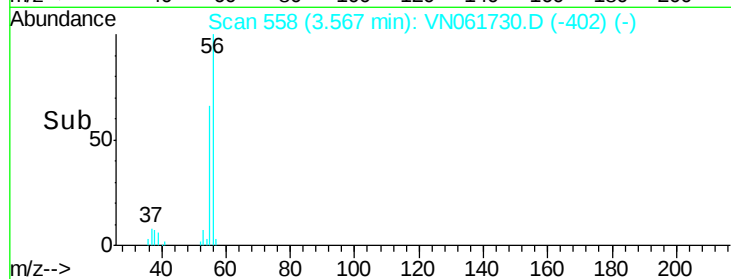
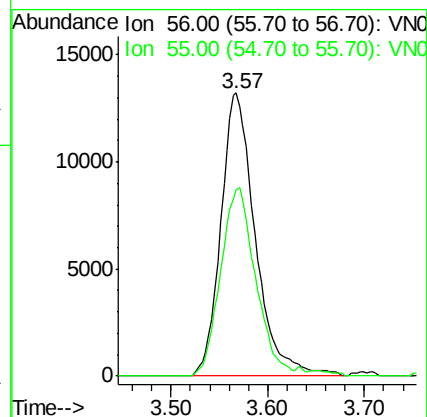
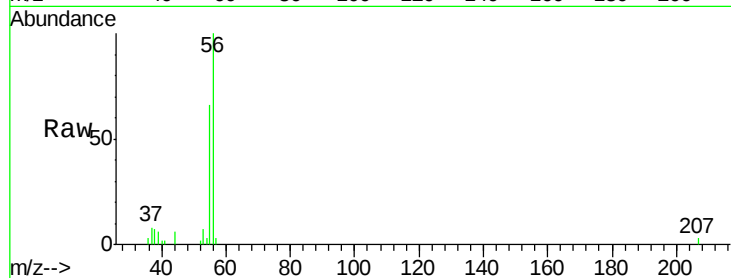
55 67.4 53.9 80.9

Manual Integrations

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#14

Acrylonitrile

Concen: 64.474 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

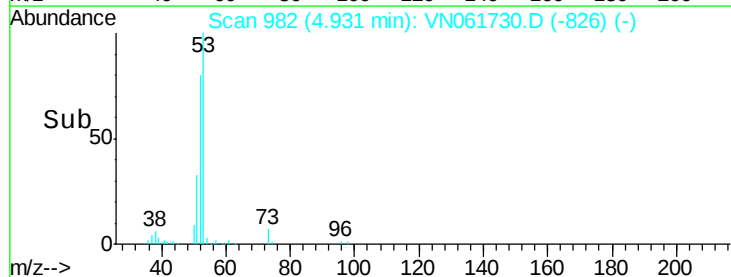
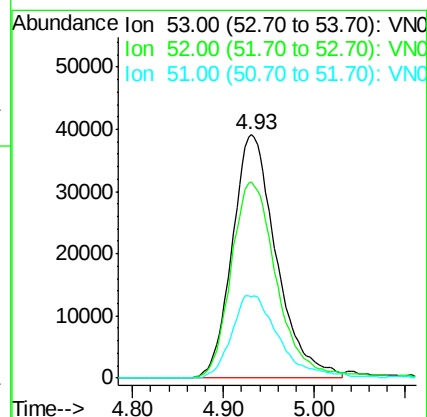
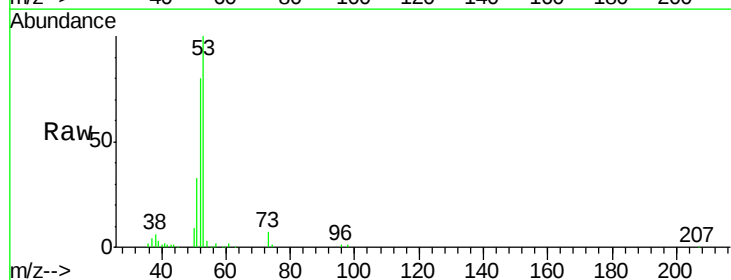
Tgt Ion: 53 Resp: 131645

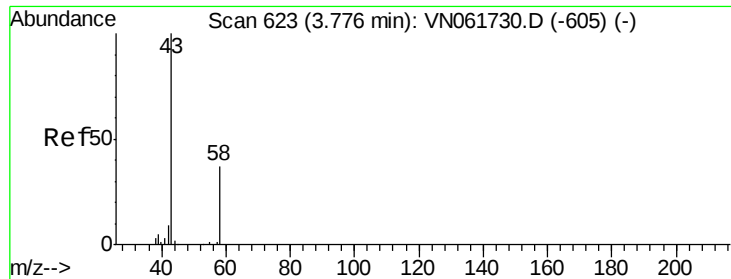
Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

51 15.9 8.0 23.8





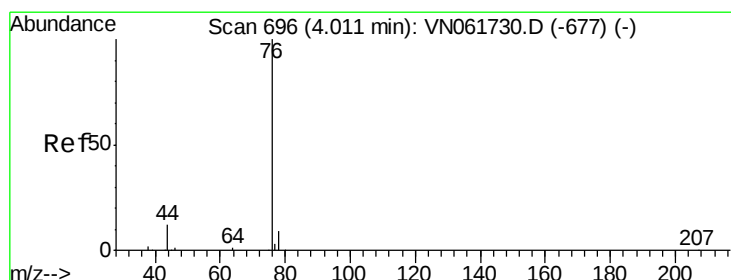
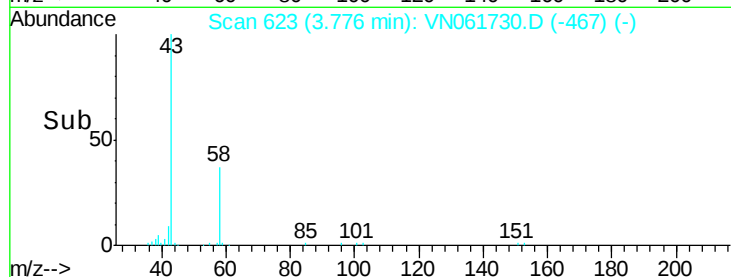
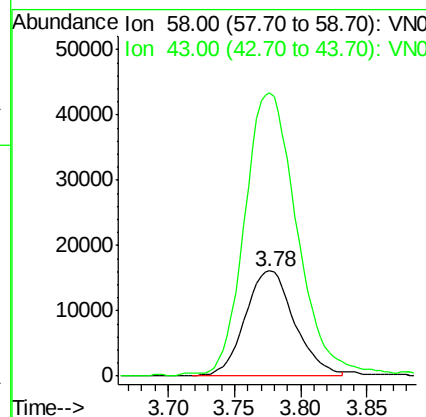
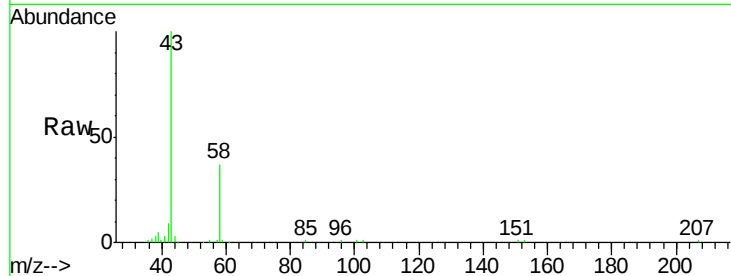
#15
Acetone
Concen: 82.266 ug/l
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 58 Resp: 41965
Ion Ratio Lower Upper
58 100
43 267.1 213.7 320.5

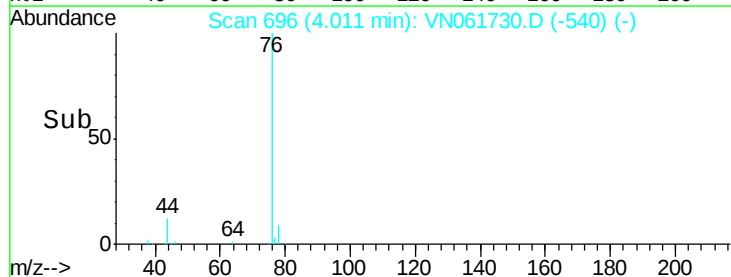
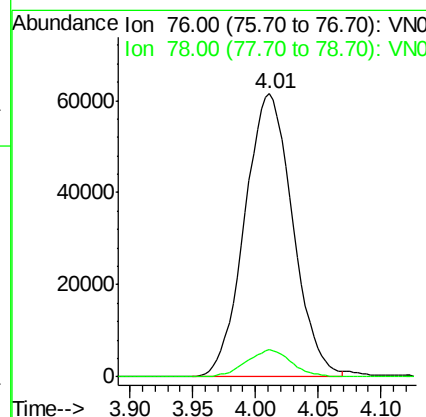
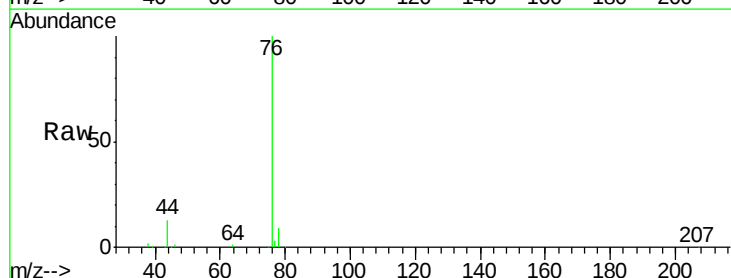
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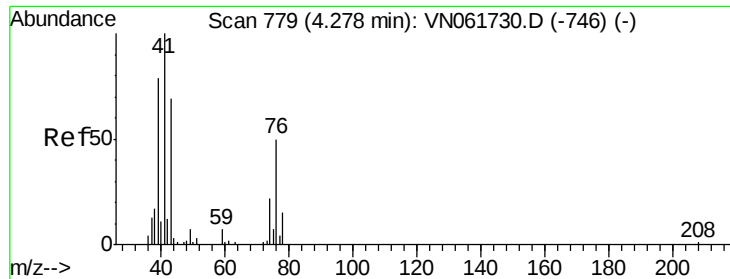
MMDadoda
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#16
Carbon Disulfide
Concen: 16.033 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 76 Resp: 163922
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4





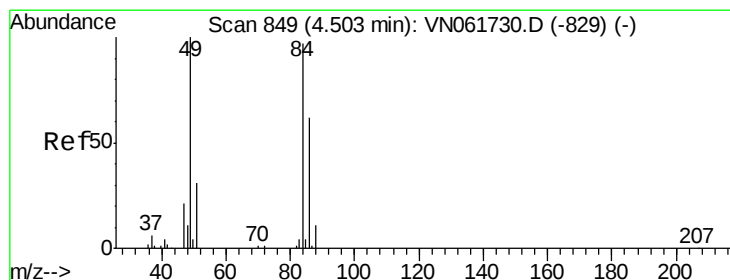
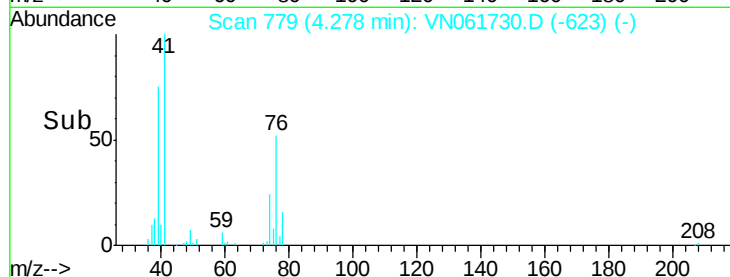
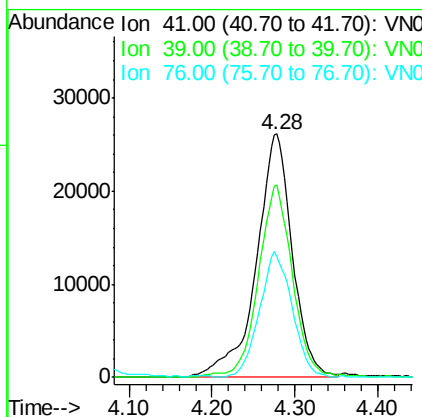
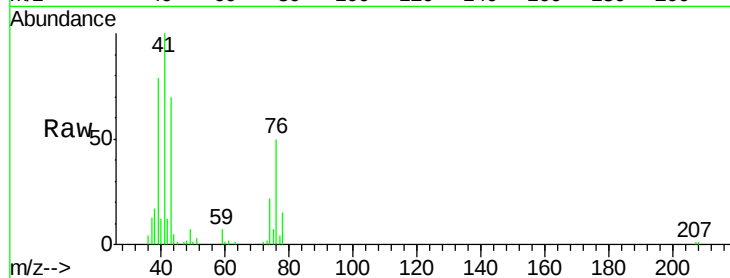
#17
Allvl chloride
Concen: 11.171 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	78975
Ion Ratio	Lower	Upper	
41	100		
39	79.0	39.5	118.5
76	49.8	24.9	74.7

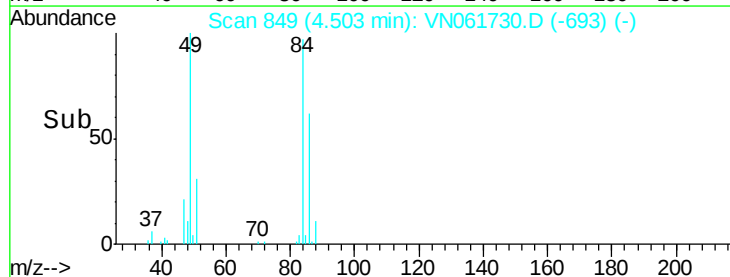
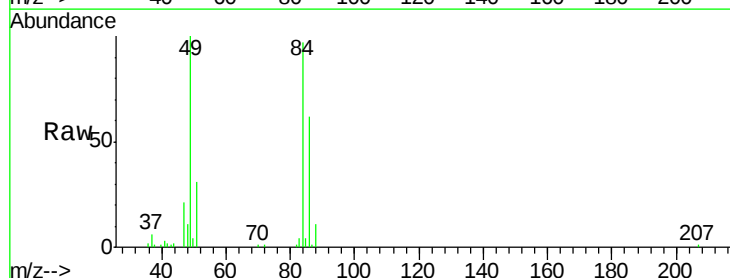
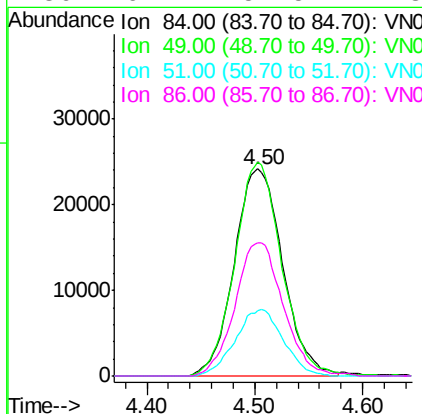
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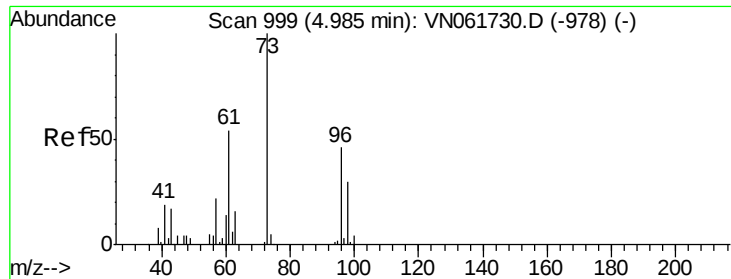
MMDadoda
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#18
Methylene Chloride
Concen: 16.494 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion:	84	Resp:	75514
Ion Ratio	Lower	Upper	
84	100		
49	103.3	82.6	124.0
51	31.7	25.4	38.0
86	64.4	51.5	77.3





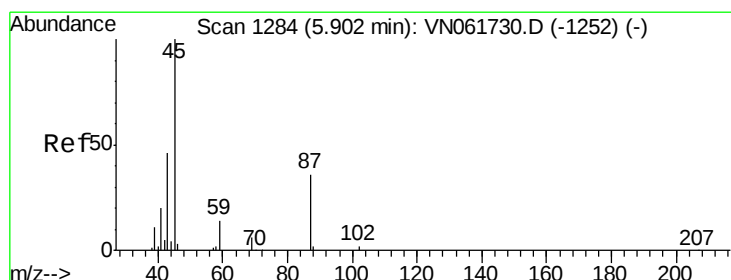
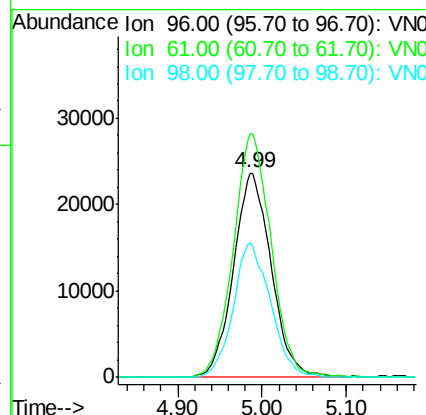
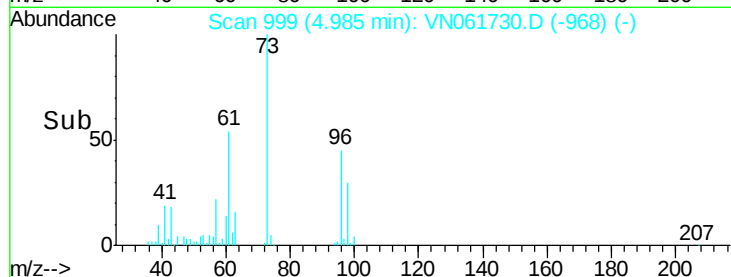
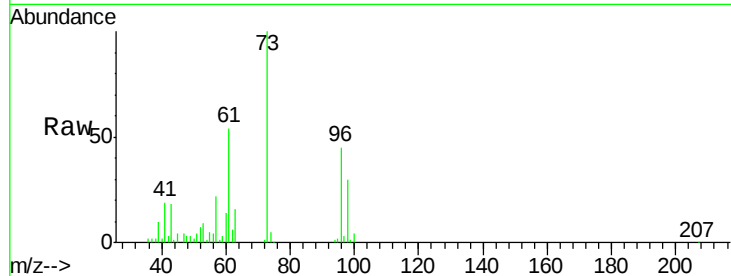
#19
trans-1,2-Dichloroethene
Concen: 16.358 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.2	95.4	143.0
98	65.8	52.6	79.0

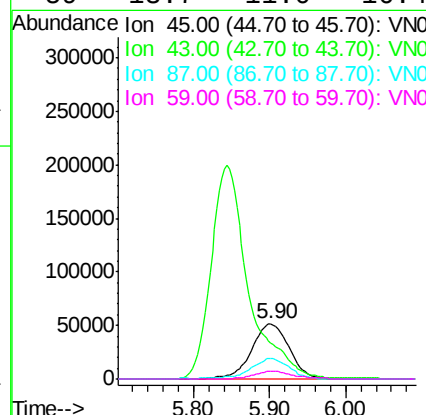
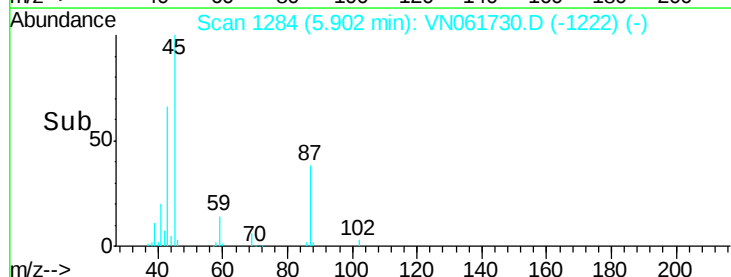
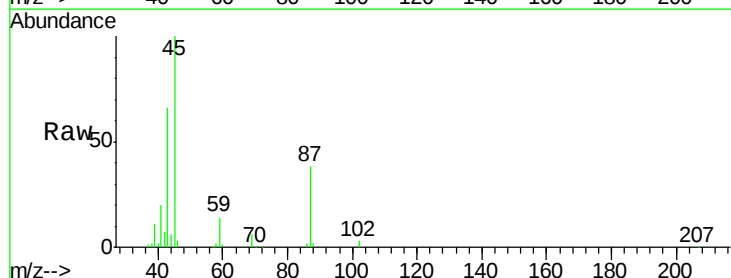
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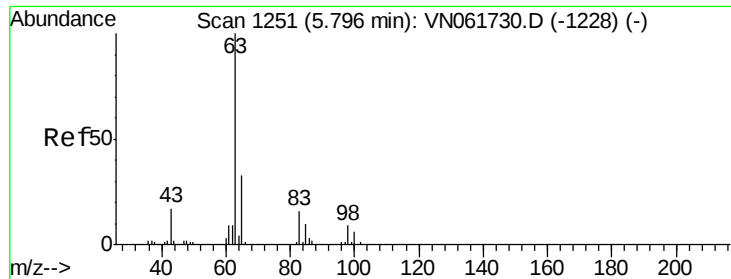
MMDadoda
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#20
Diisopropyl ether
Concen: 10.814 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.7	76.1
87	37.6	30.1	45.1
59	13.7	11.0	16.4





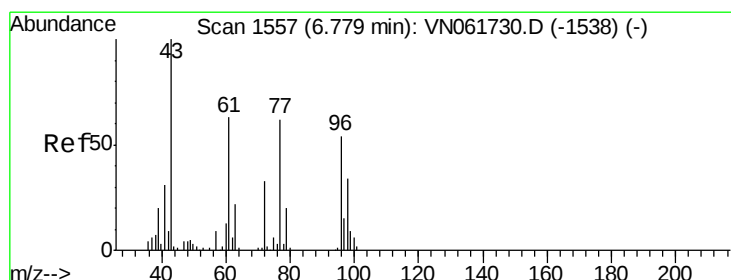
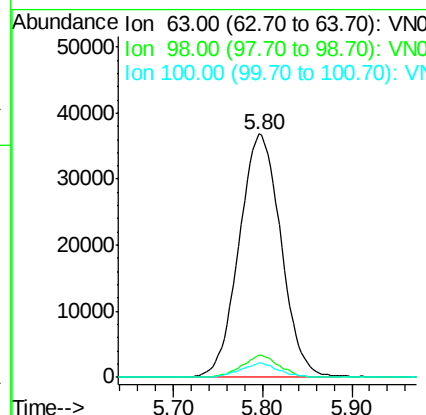
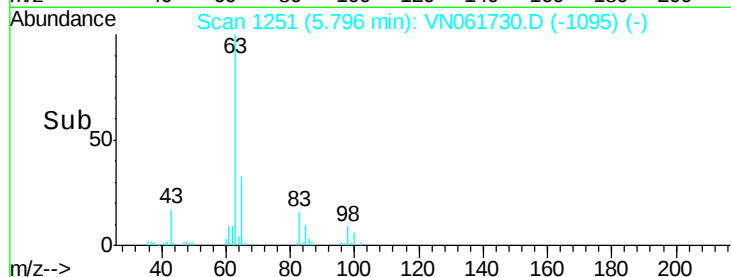
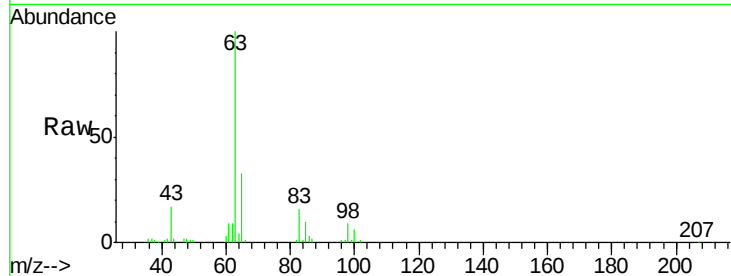
#21
 1,1-Dichloroethane
 Concen: 13.562 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	9.1	4.5	13.7	
100	5.8	2.9	8.7	

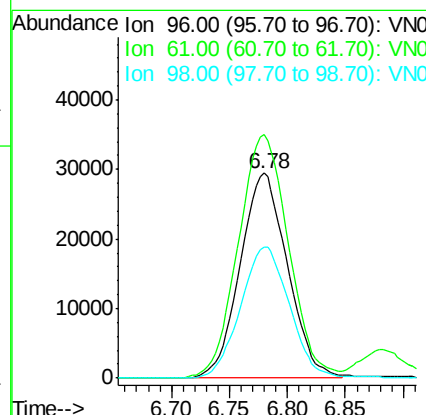
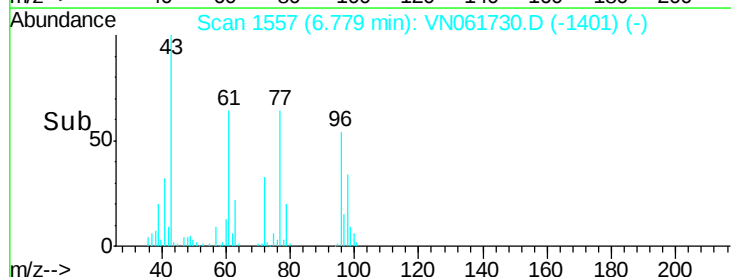
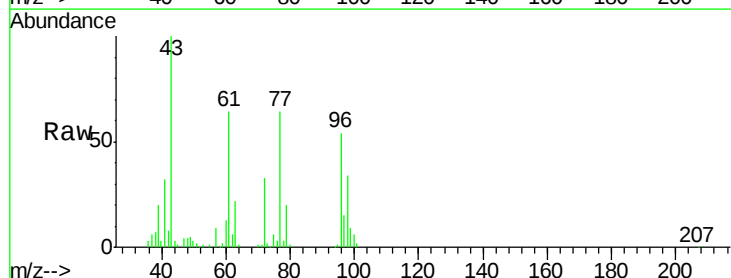
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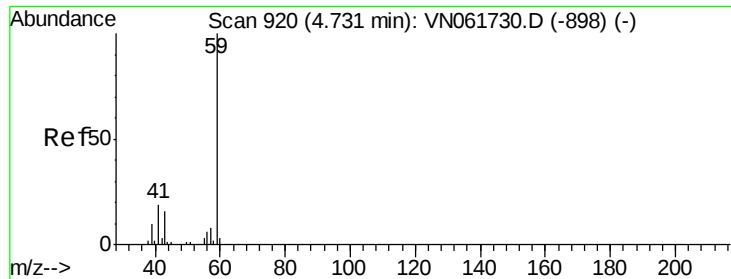
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 16.036 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	125.8	100.6	151.0	
98	65.8	52.6	79.0	





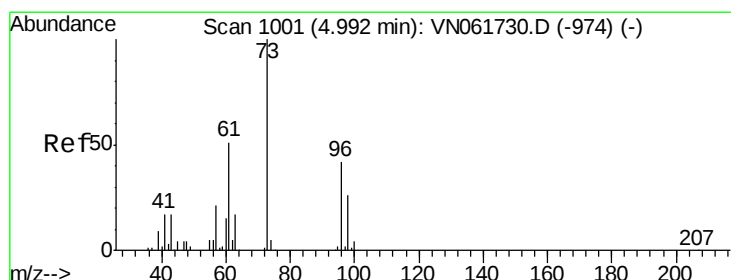
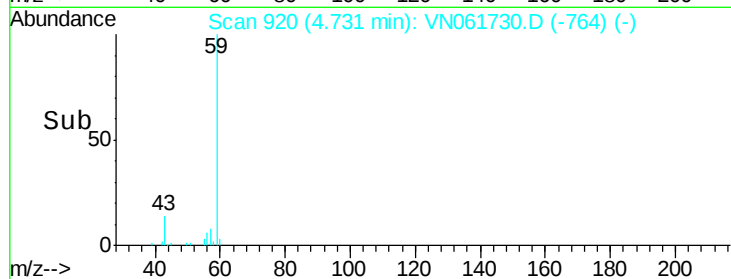
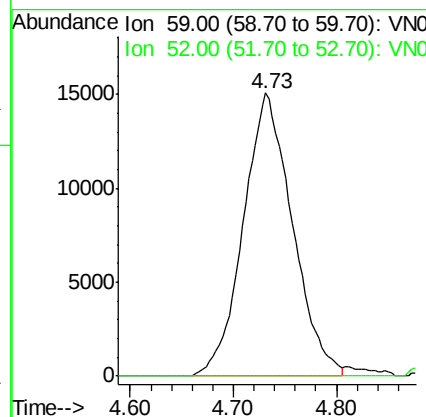
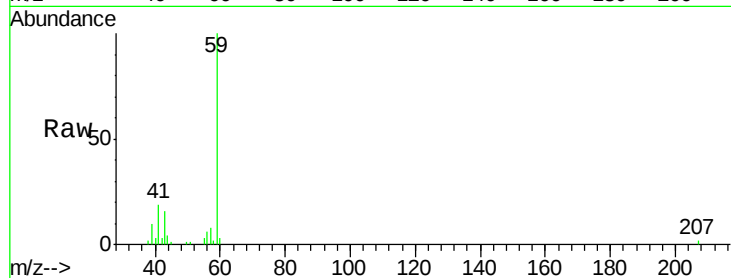
#23
 tert-Butyl Alcohol
 Concen: 74.835 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

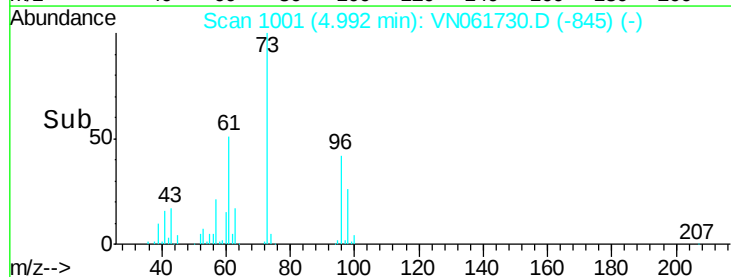
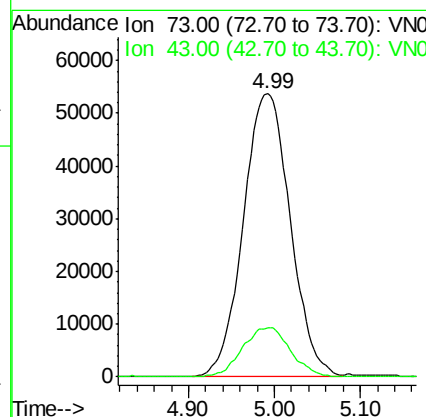
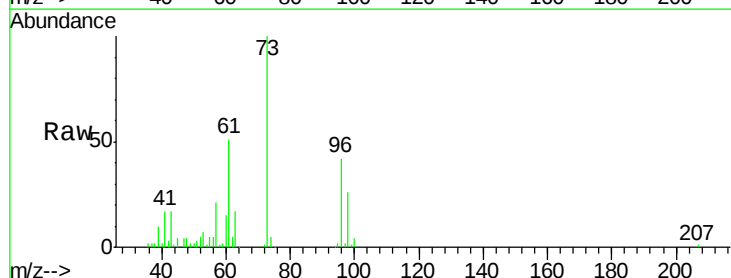
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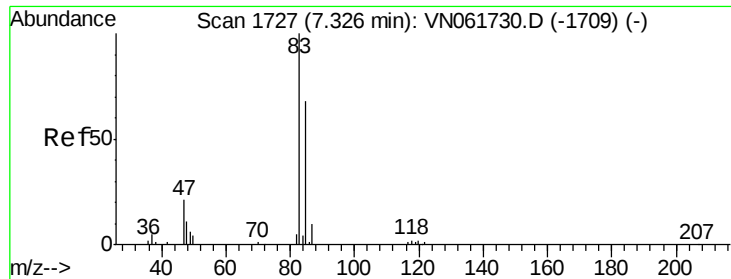
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 13.818 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	8.7	7.0	10.4





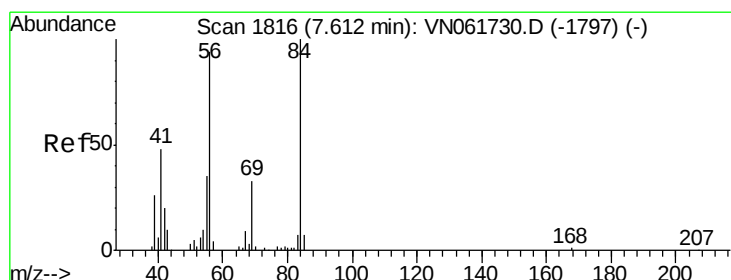
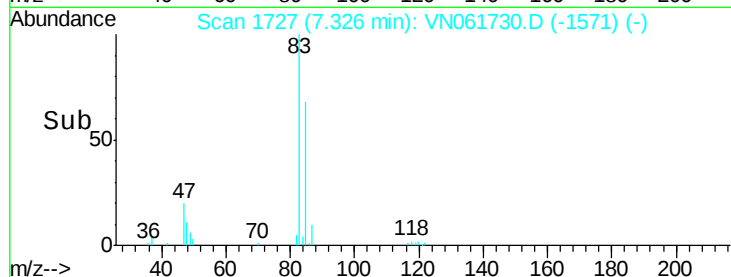
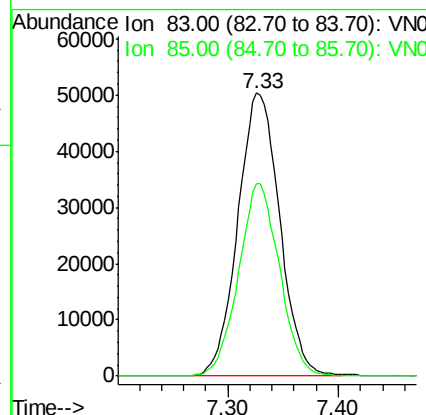
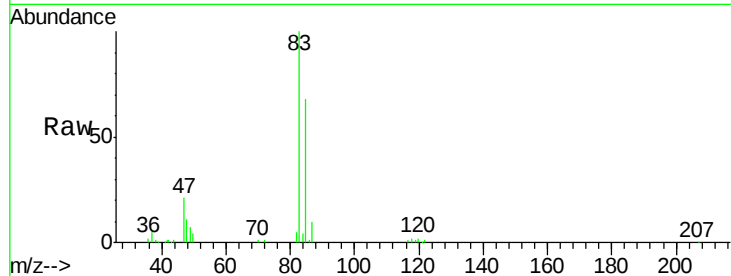
#25
Chloroform
Concen: 15.161 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	132774
Ion Ratio	100	Lower	Upper
83	100		
85	67.8	54.2	81.4

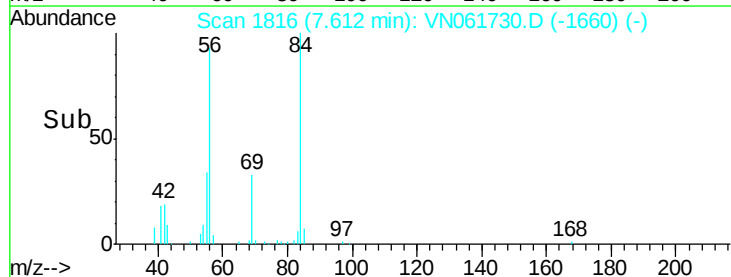
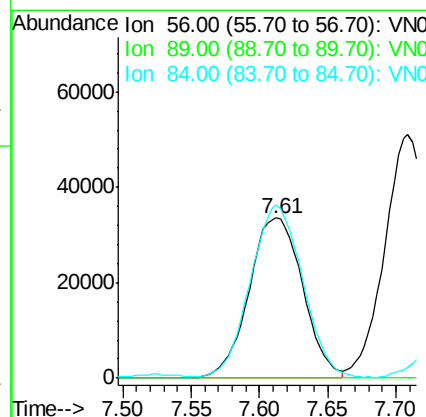
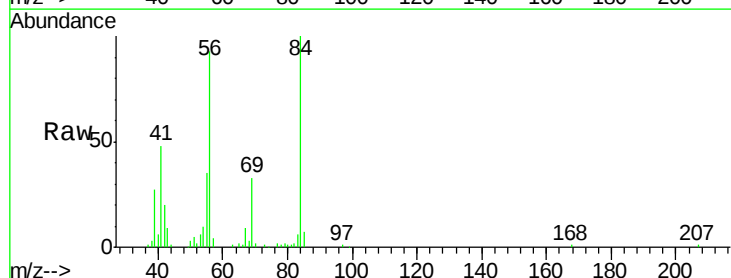
Manual Integrations
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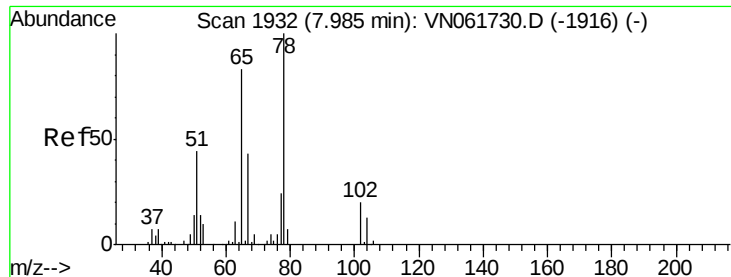
MMDadoda
6/11/2020 12:44:28 PM



#26
Cyclohexane
Concen: 11.172 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	56	Resp	91816
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	104.4	83.5	125.3





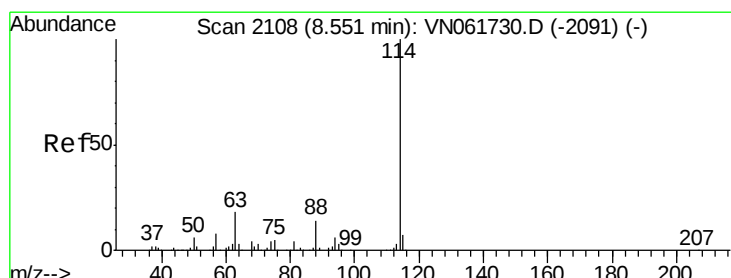
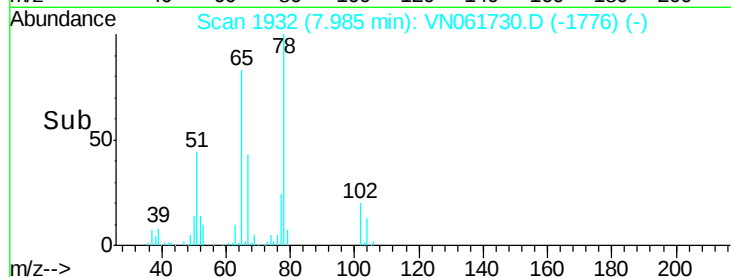
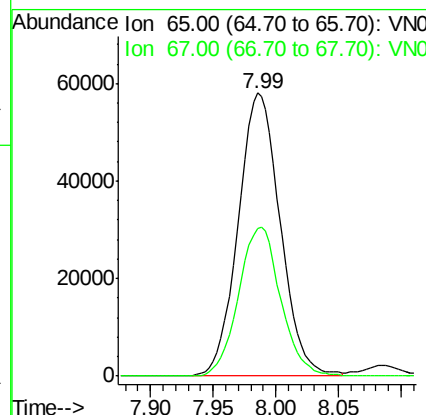
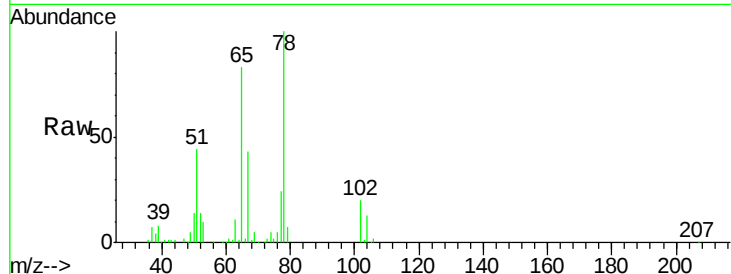
#27
 1,2-Dichloroethane-d4
 Concen: 22.179 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	42.2	63.4

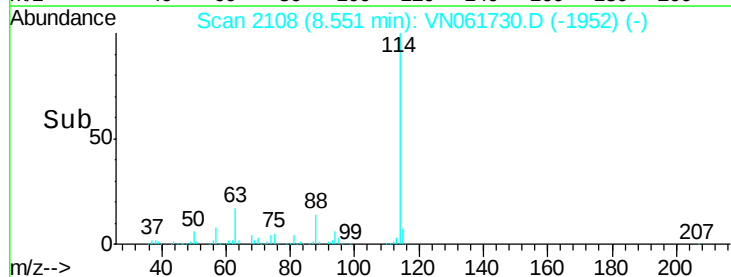
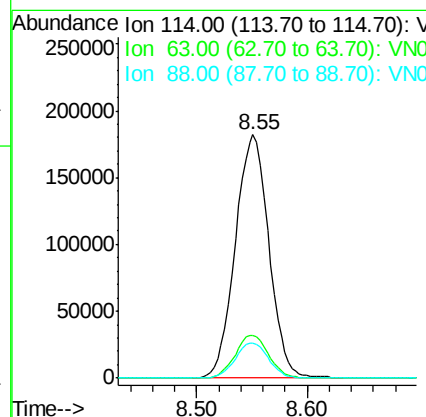
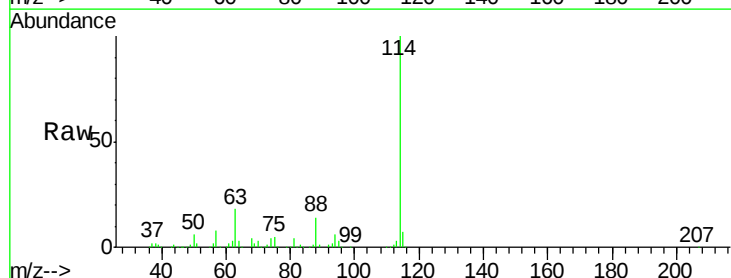
Manual Integrations
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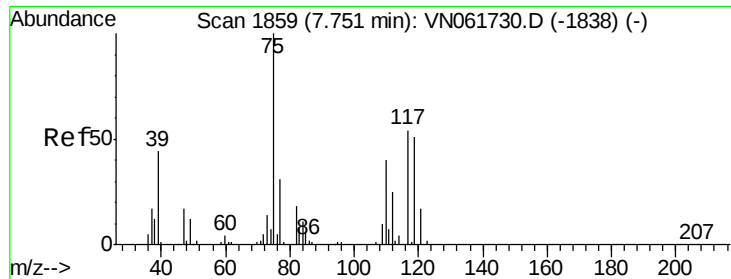
MMDadoda
 6/11/2020 12:44:28 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	14.2	21.2
88	14.3	11.4	17.2





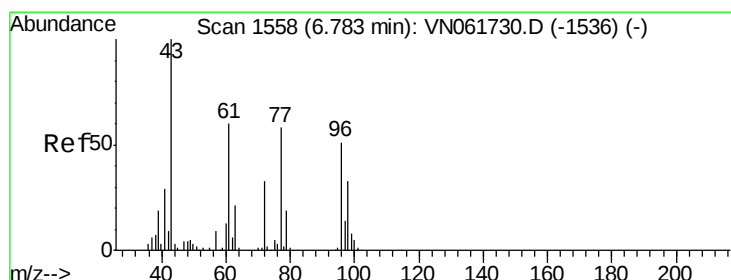
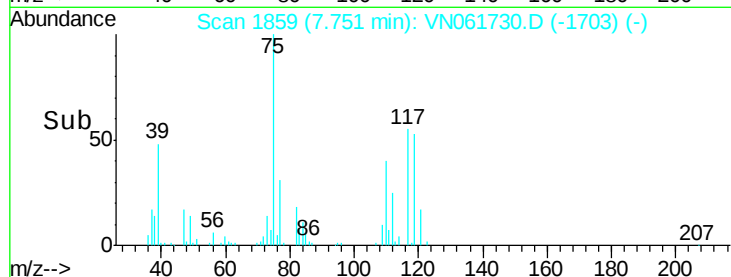
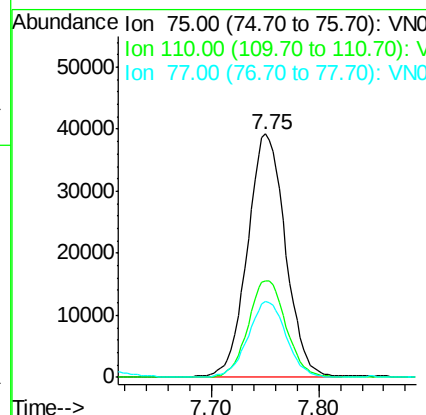
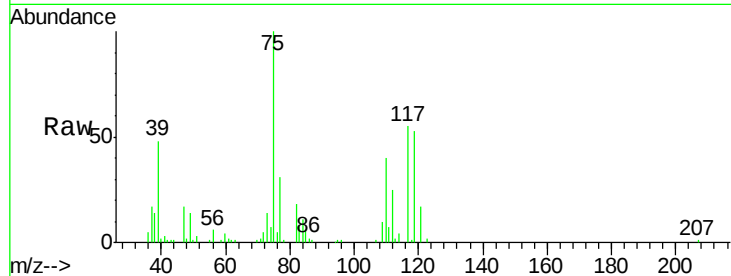
#29
 1,1-Dichloropropene
 Concen: 15.095 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.3	0.0	78.6
77	31.2	0.0	62.4

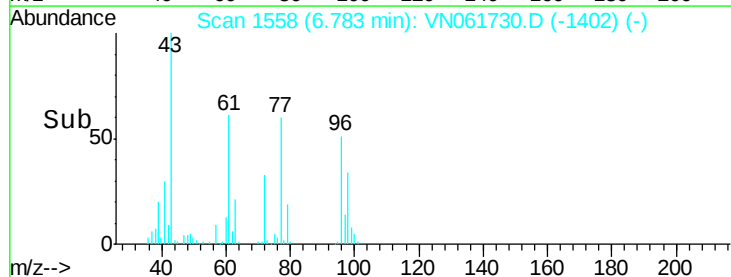
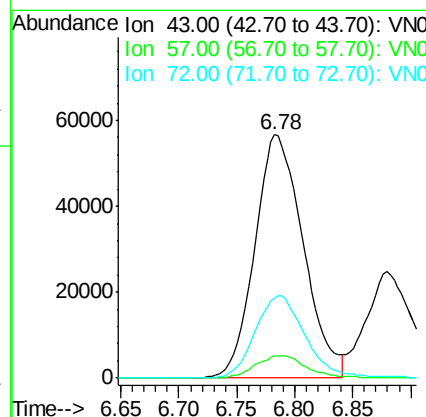
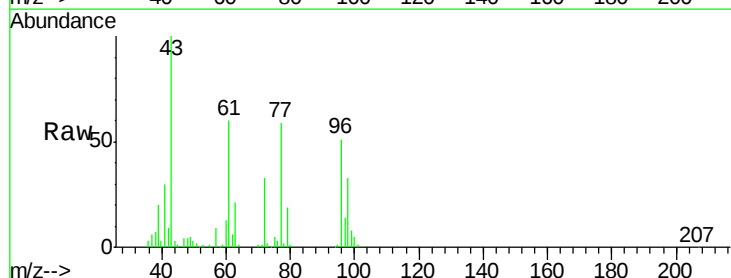
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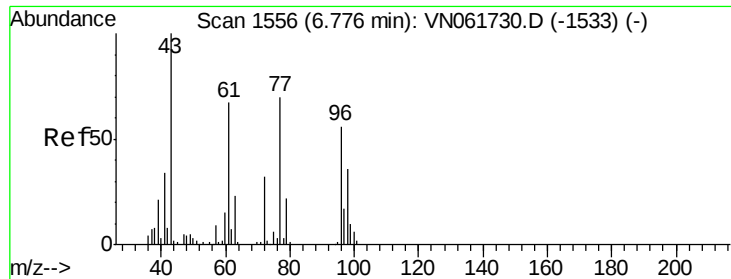
MMDadoda
 6/11/2020 12:44:28 PM



#30
 2-Butanone
 Concen: 63.238 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.5	7.6	11.4
72	34.7	27.8	41.6





#31

2,2-Dichloropropane

Concen: 14.990 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 111728

Ion Ratio Lower Upper

77 100

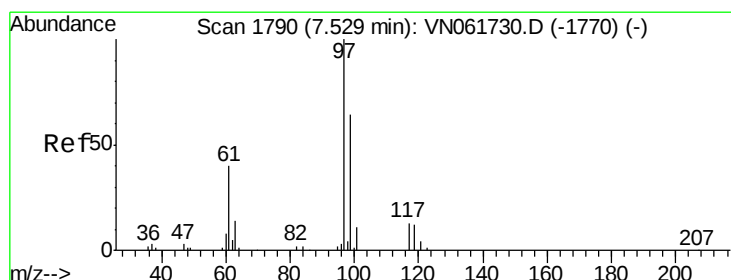
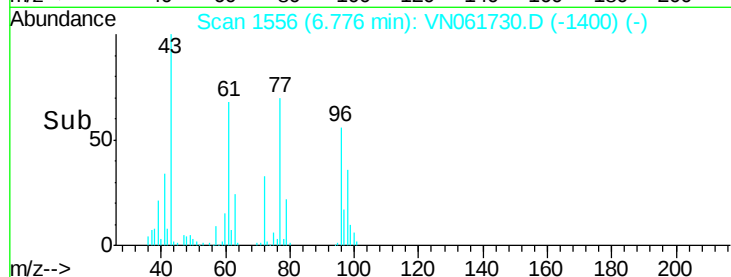
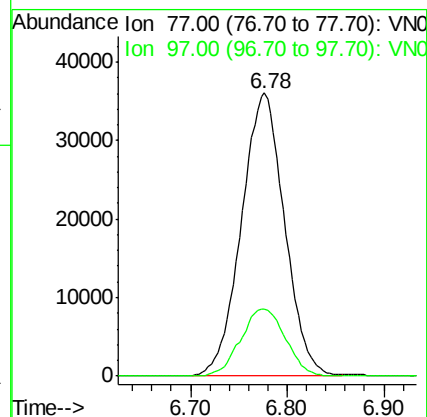
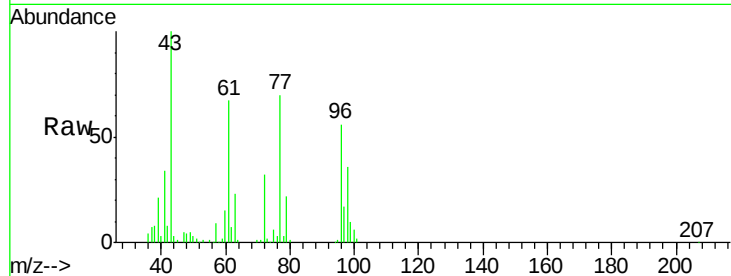
97 24.5 19.6 29.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 16.651 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

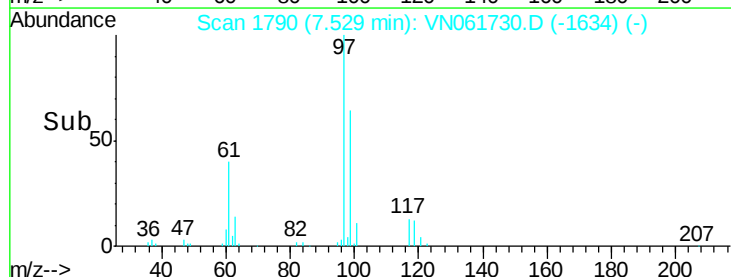
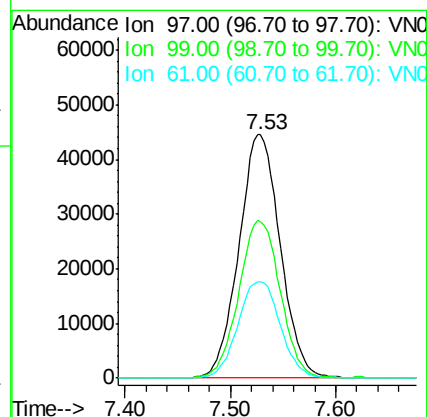
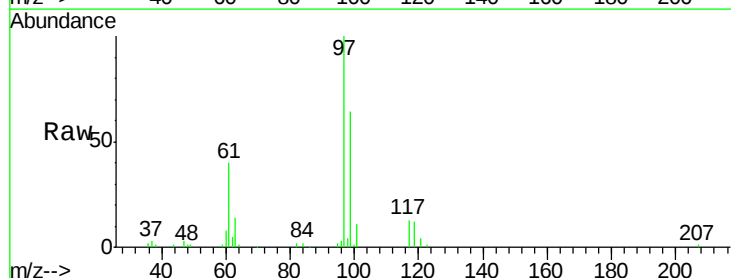
Tgt Ion: 97 Resp: 121354

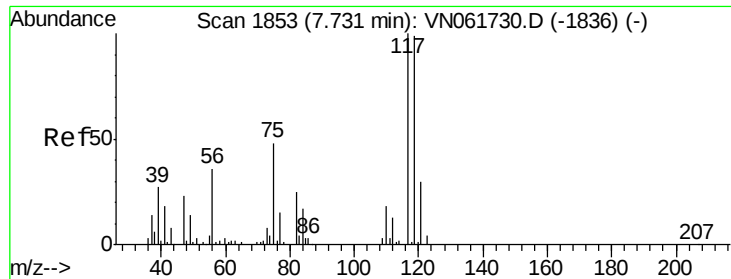
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 40.4 32.3 48.5





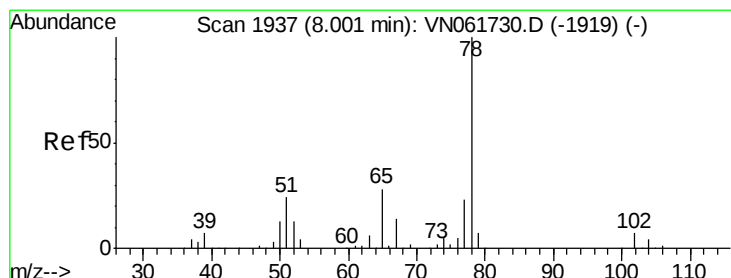
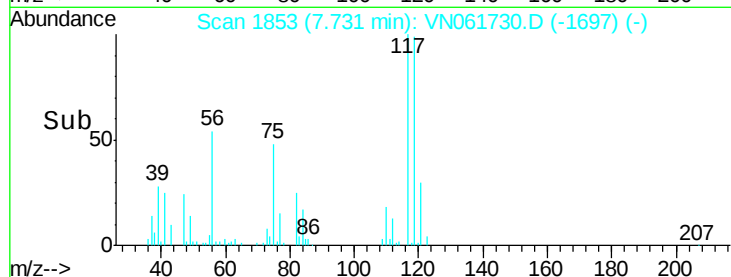
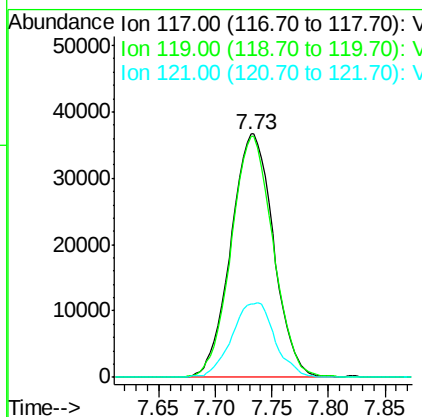
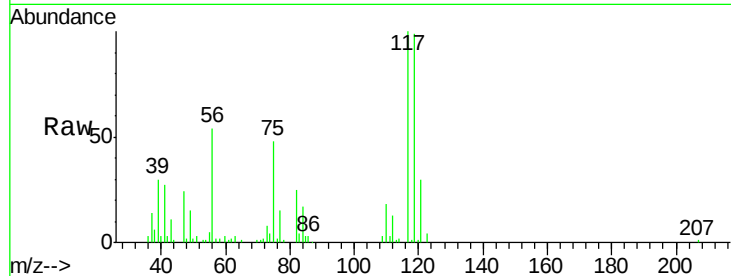
#33
Carbon Tetrachloride
Concen: 17.011 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.3	118.9
121	30.3	24.2	36.4

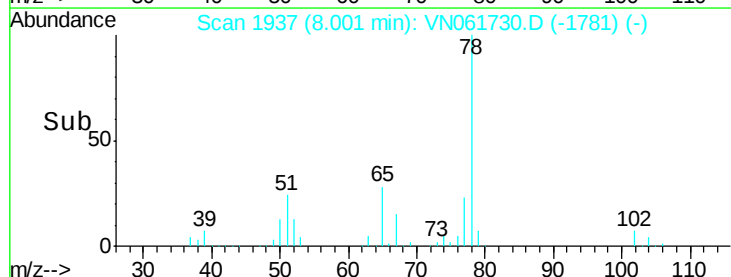
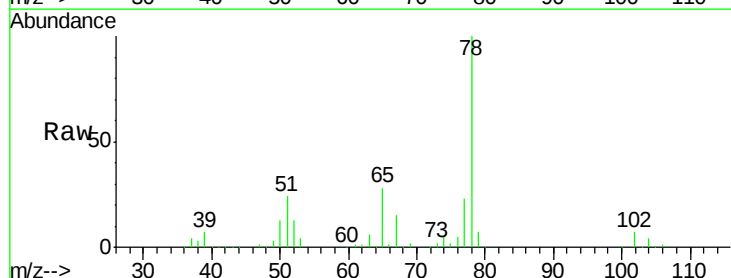
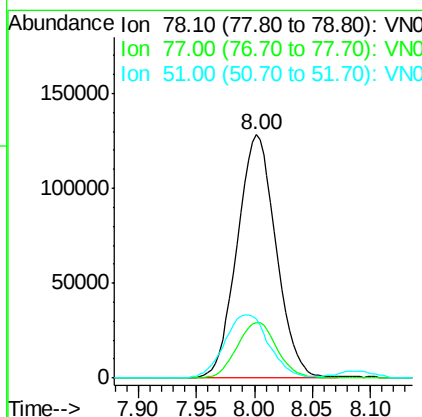
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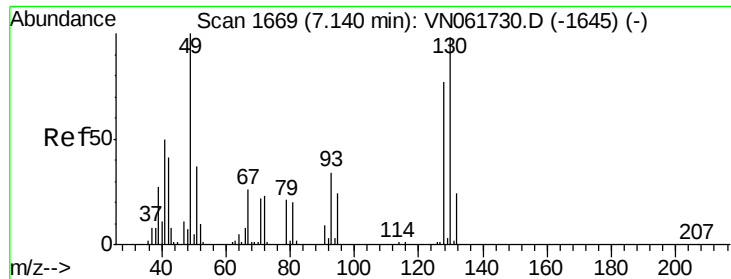
MMDadoda
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#34
Benzene
Concen: 16.372 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
51	23.9	19.1	28.7





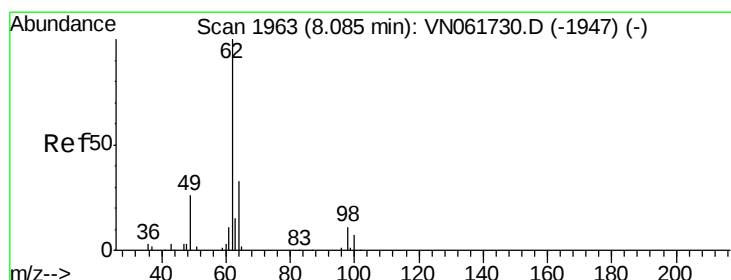
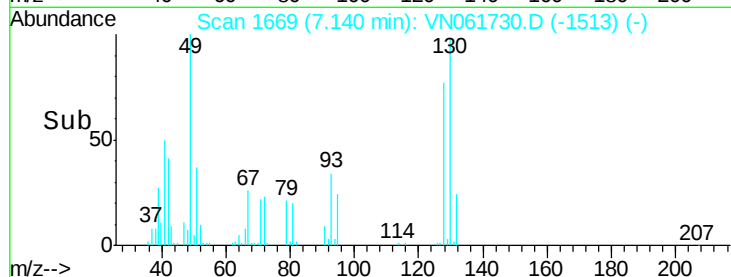
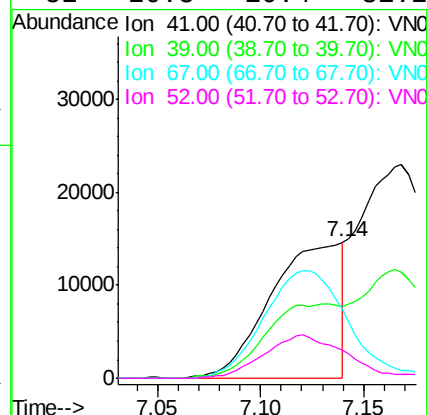
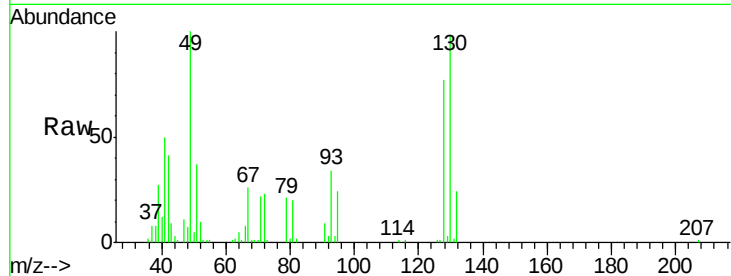
#35
Methacrylonitrile
Concen: 14.021 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	41	Resp	35105
Ion	Ratio	Lower	Upper
41	100		
39	53.0	26.5	79.5
67	50.8	25.4	76.2
52	20.8	10.4	31.2

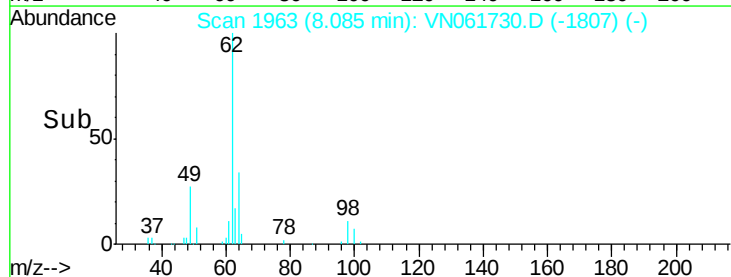
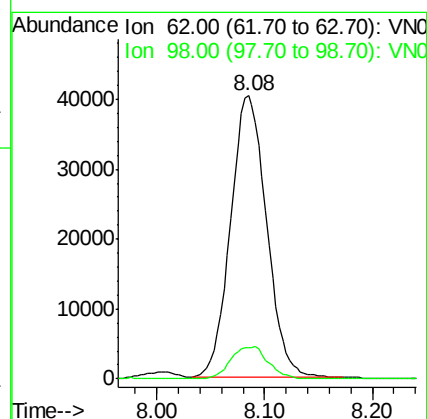
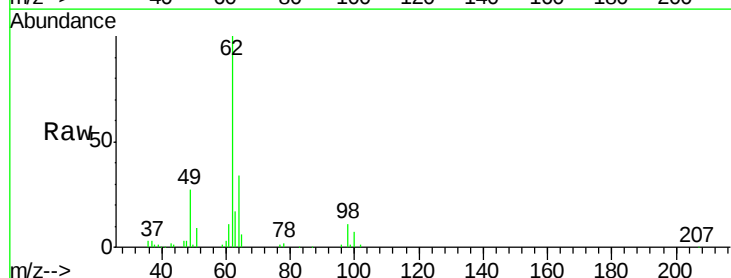
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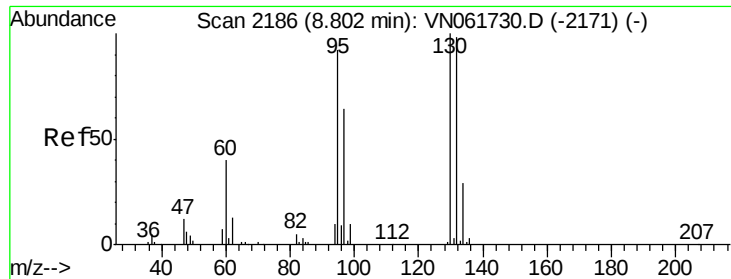
MMDadoda
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#36
1,2-Dichloroethane
Concen: 13.804 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	62	Resp	93888
Ion	Ratio	Lower	Upper
62	100		
98	11.8	9.4	14.2





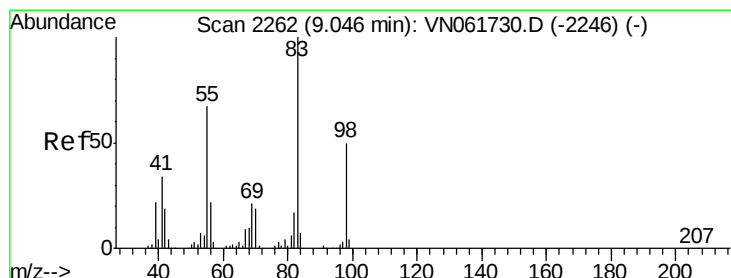
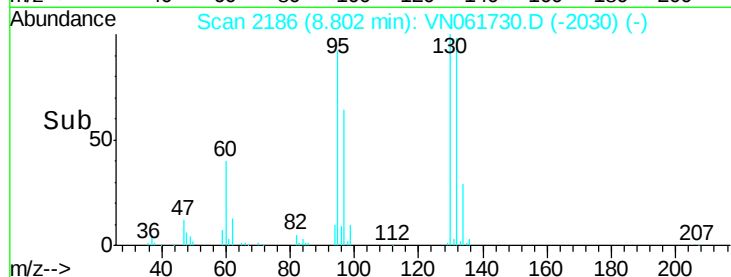
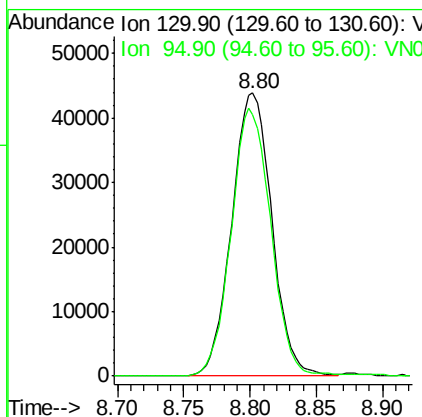
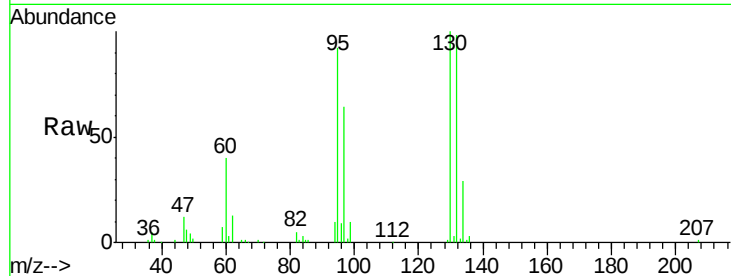
#37
 Trichloroethene
 Concen: 19.579 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	92.4	73.9	110.9

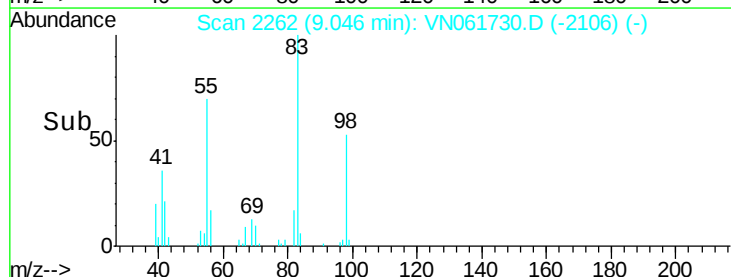
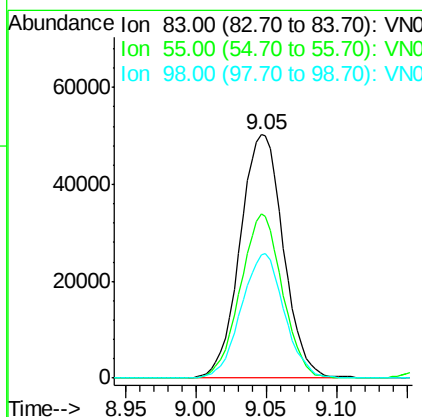
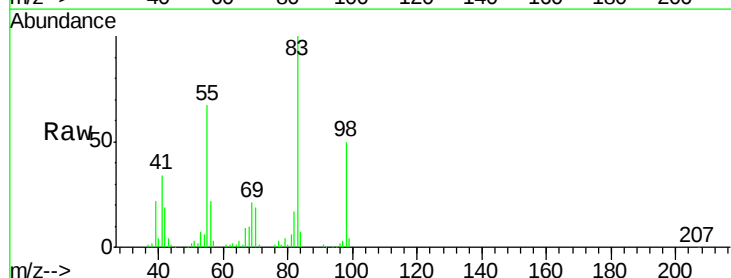
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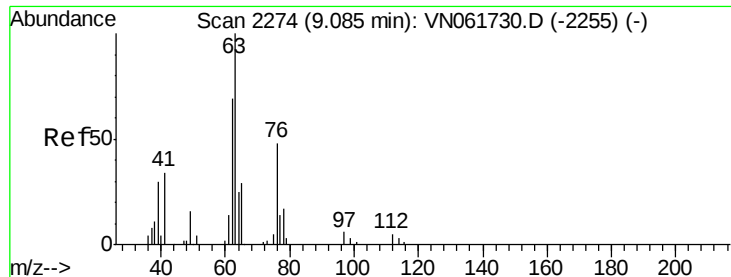
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#38
 Methylcyclohexane
 Concen: 14.230 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	65.4	32.7	98.1
98	50.9	25.4	76.4





#39

1,2-Dichloropropane

Concen: 14.308 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 69895

Ion Ratio Lower Upper

63 100

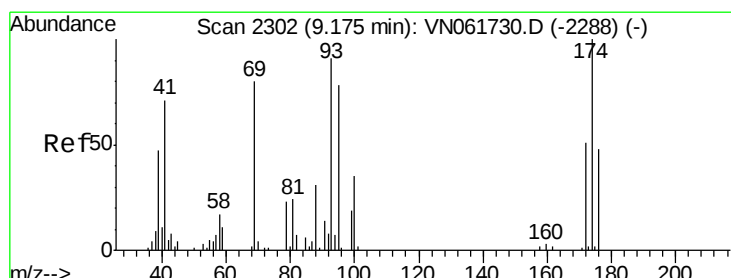
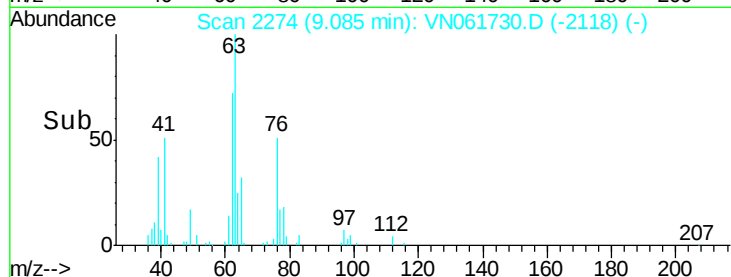
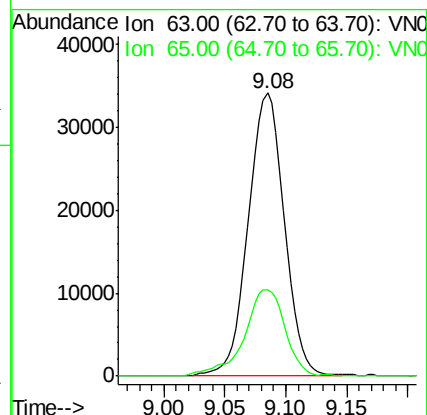
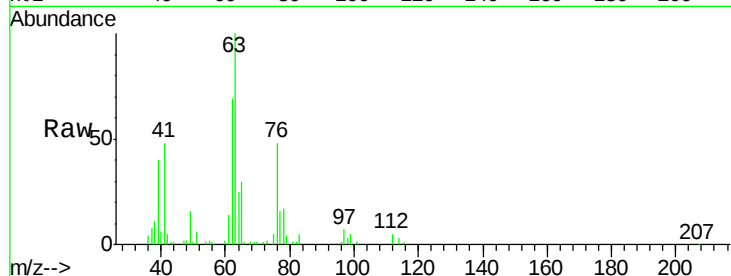
65 30.4 24.3 36.5

Manual Integrations

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#40

Dibromomethane

Concen: 16.803 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

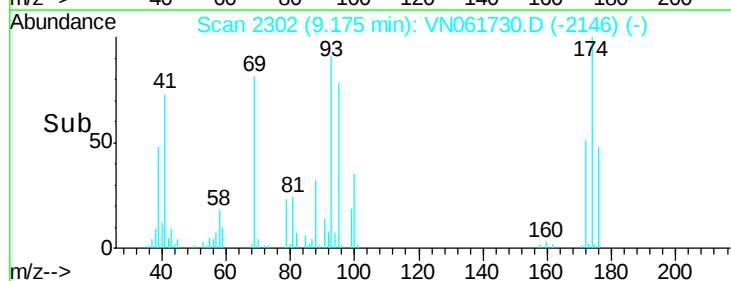
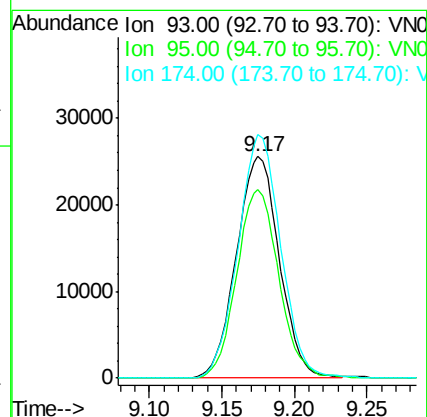
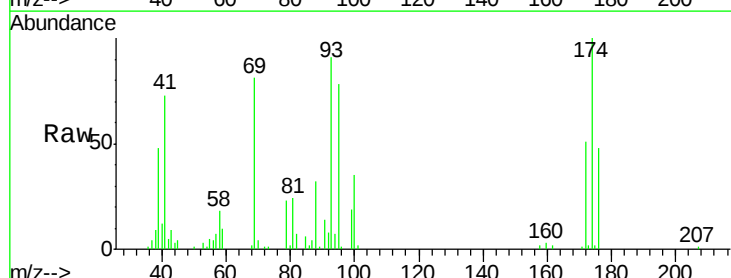
Tgt Ion: 93 Resp: 52757

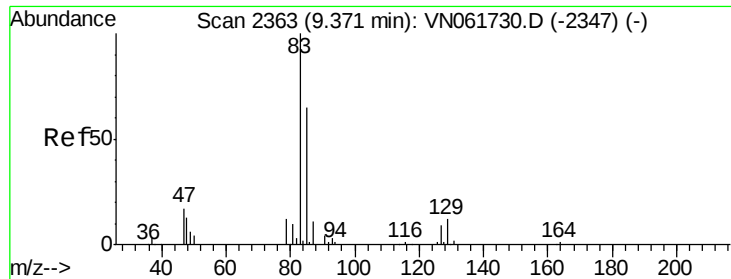
Ion Ratio Lower Upper

93 100

95 82.9 0.0 165.8

174 108.9 0.0 217.8





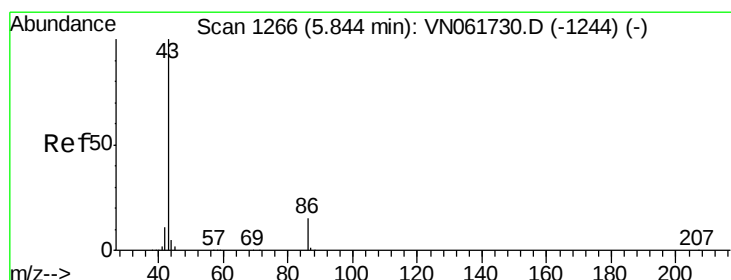
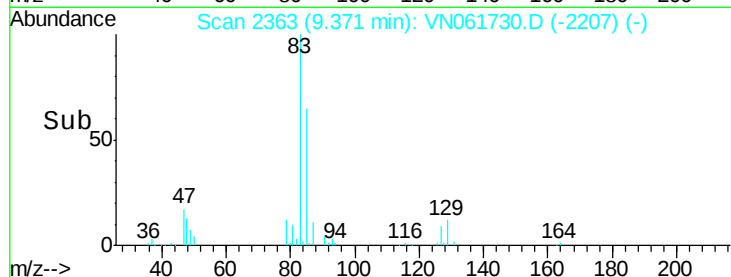
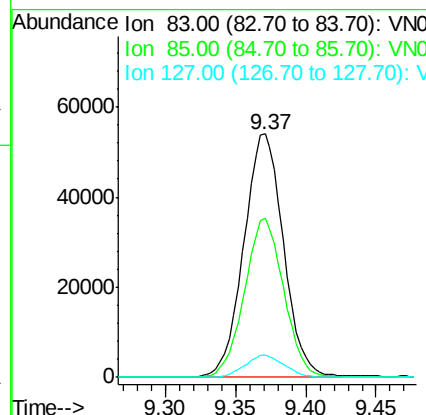
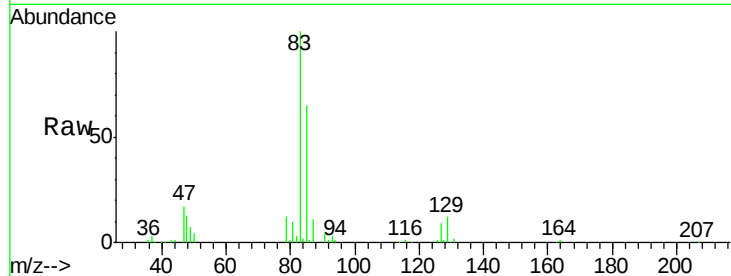
#41
 Bromodichloromethane
 Concen: 15.884 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	106489
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	9.0	7.2	10.8

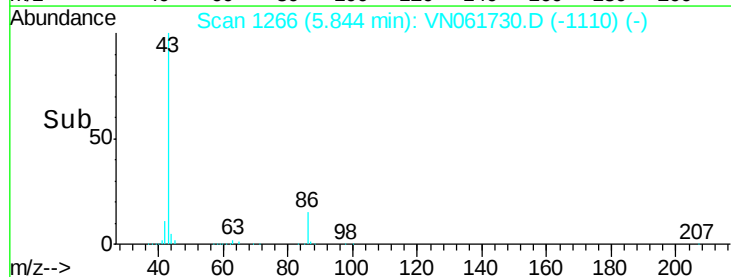
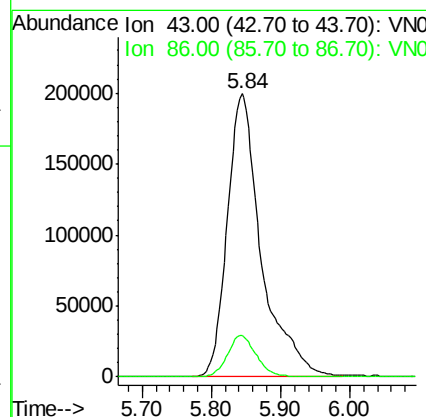
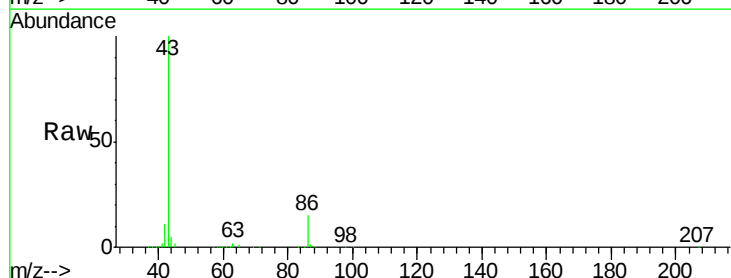
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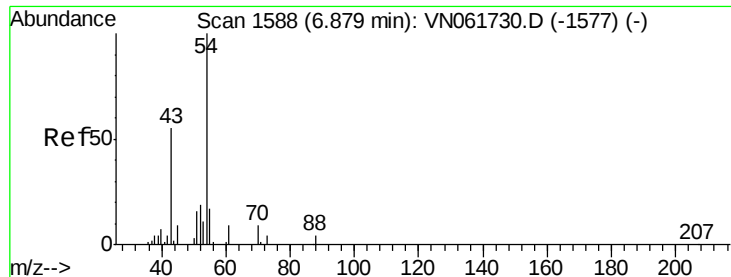
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#42
 Vinyl Acetate
 Concen: 55.890 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	43	Resp	683142
Ion Ratio	100	Lower	Upper
43	100		
86	12.5	10.0	15.0





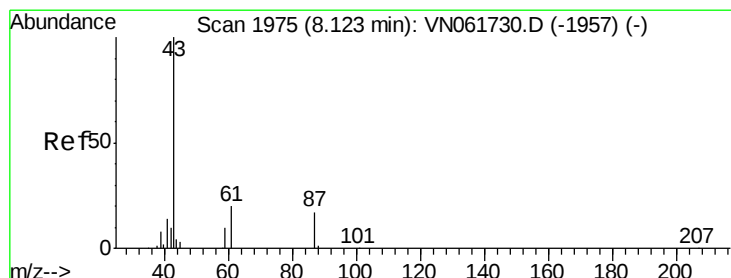
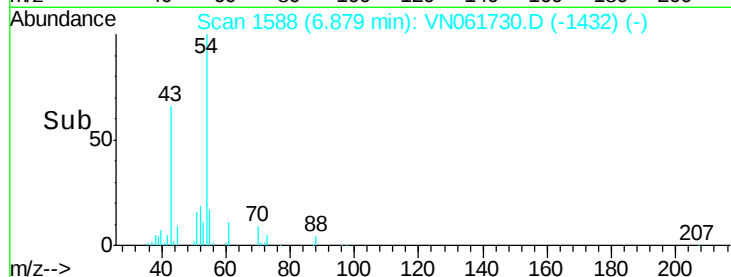
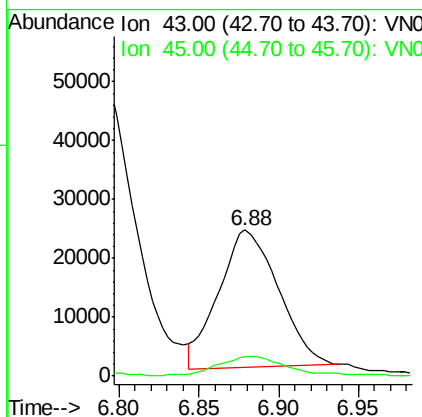
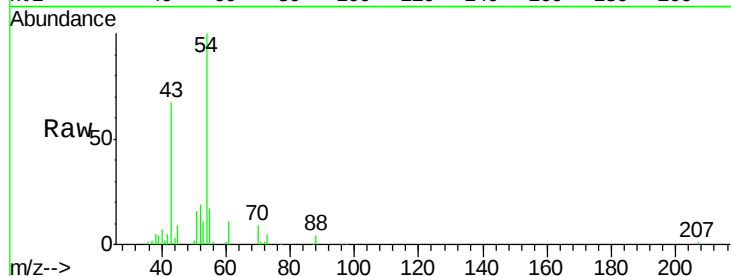
#43
Ethyl Acetate
Concen: 11.138 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	43	Resp	60015
Ion Ratio	100	Lower	Upper
45	14.3	11.4	17.2

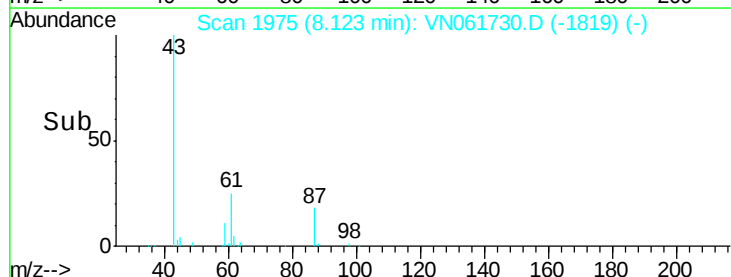
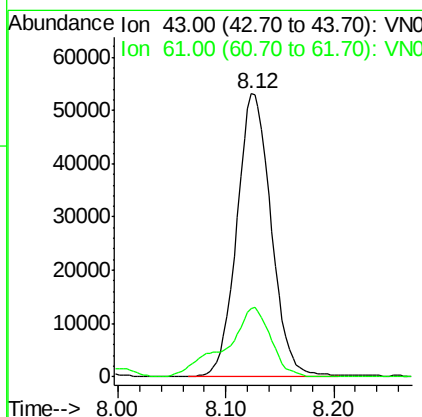
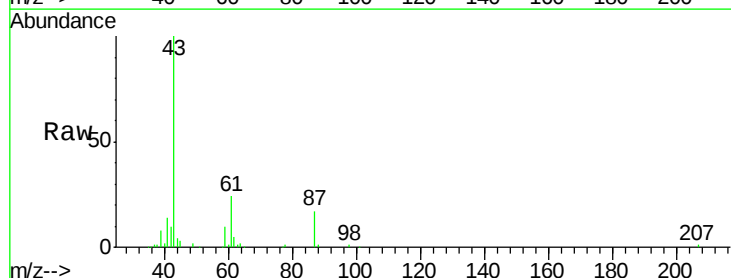
Manual Integrations
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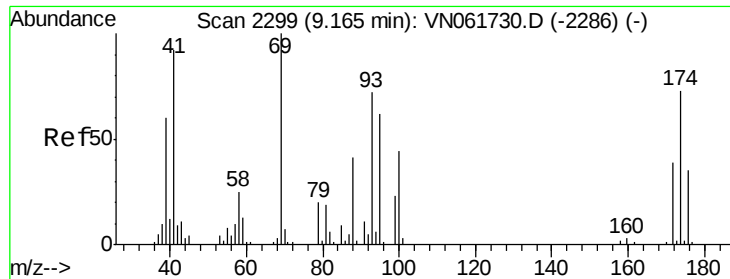
MMDadoda
6/11/2020 12:44:28 PM



#44
Isopropyl Acetate
Concen: 11.103 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	43	Resp	117952
Ion Ratio	100	Lower	Upper
61	23.6	18.9	28.3





#45

1,4-Dioxane

Concen: 474.559 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 88 Resp: 23427

Ion Ratio Lower Upper

88 100

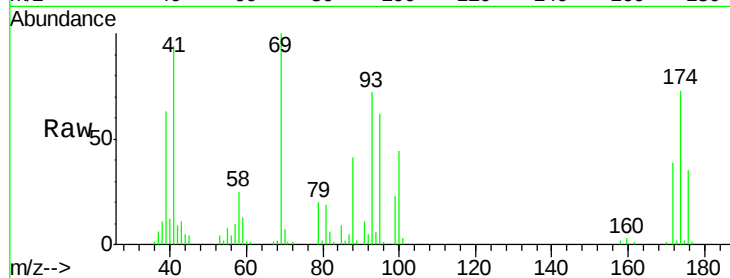
43 27.3 21.8 32.8

58 60.5 48.4 72.6

Manual Integrations
APPROVED

MMDadoda

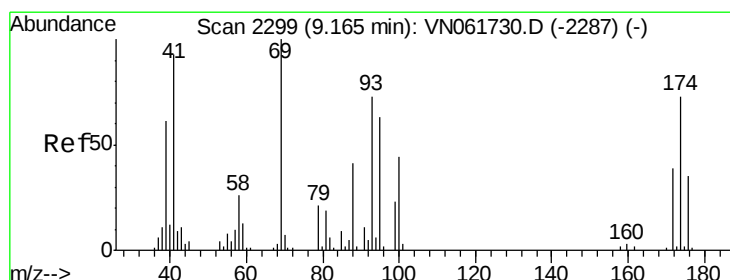
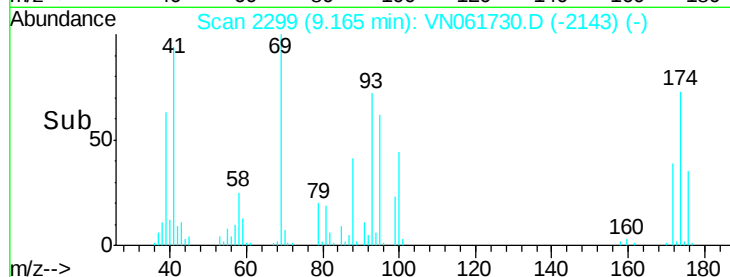
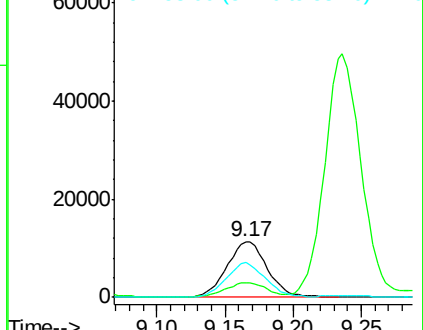
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Abundance Ion 88.00 (87.70 to 88.70): VN061730.D (-2286) (-)

Ion 43.00 (42.70 to 43.70): VN061730.D (-2286) (-)

Ion 58.00 (57.70 to 58.70): VN061730.D (-2286) (-)



#46

Methyl methacrylate

Concen: 9.822 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

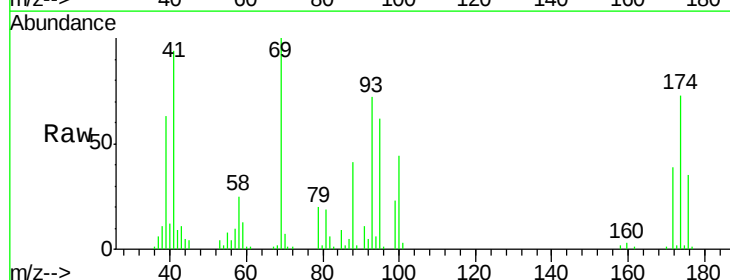
Tgt Ion: 41 Resp: 48471

Ion Ratio Lower Upper

41 100

69 107.6 53.8 161.4

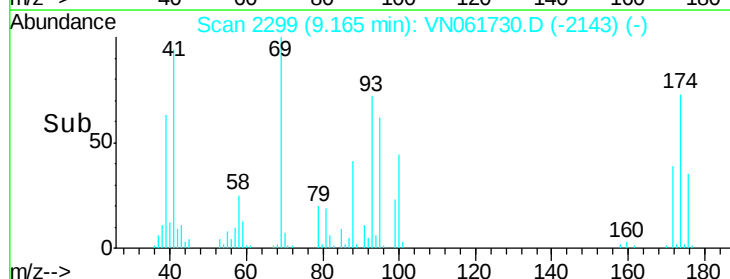
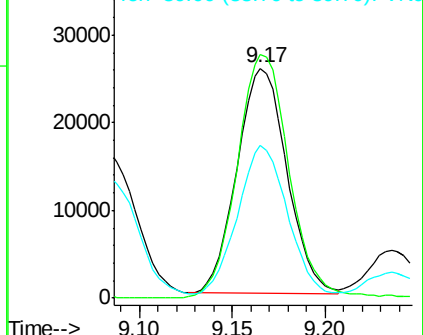
39 65.9 33.0 98.9

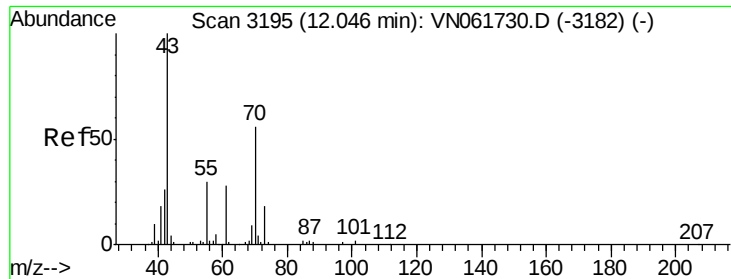


Abundance Ion 41.00 (40.70 to 41.70): VN061730.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061730.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061730.D (-2287) (-)





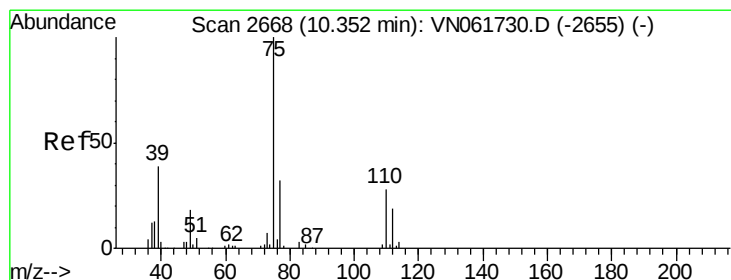
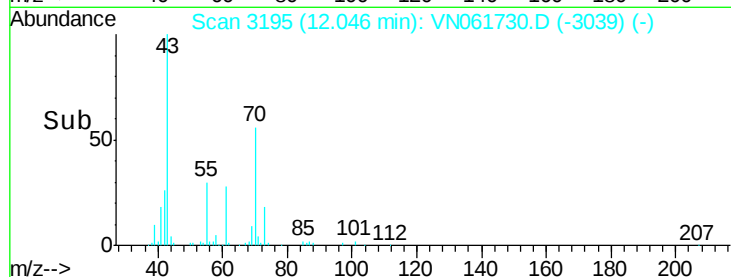
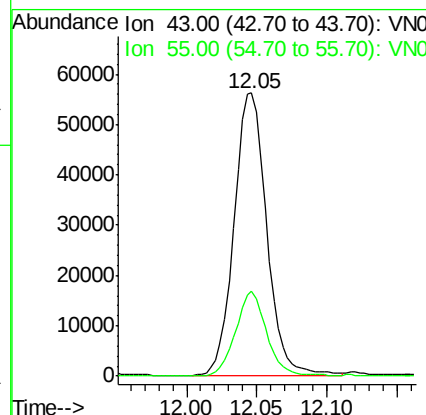
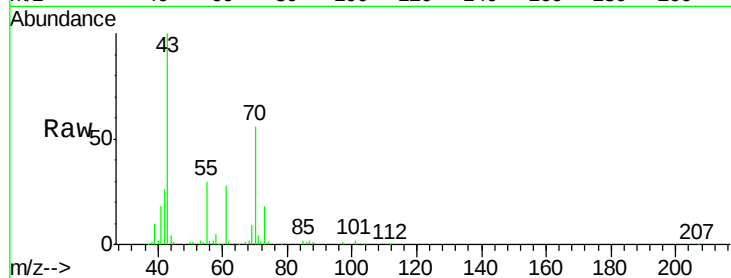
#47
n-amvl Acetate
Concen: 9.756 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 91534
Ion Ratio Lower Upper
43 100
55 28.4 22.7 34.1

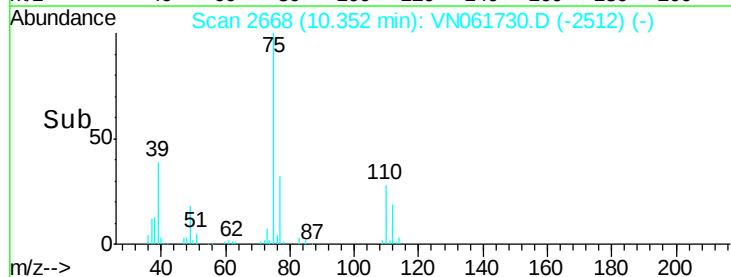
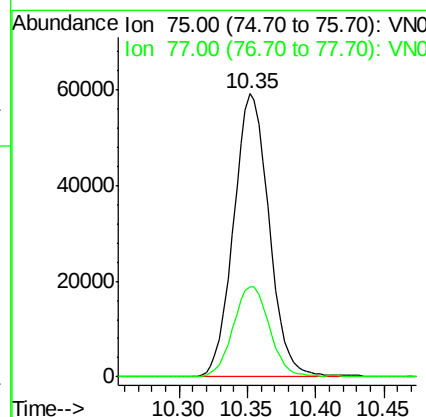
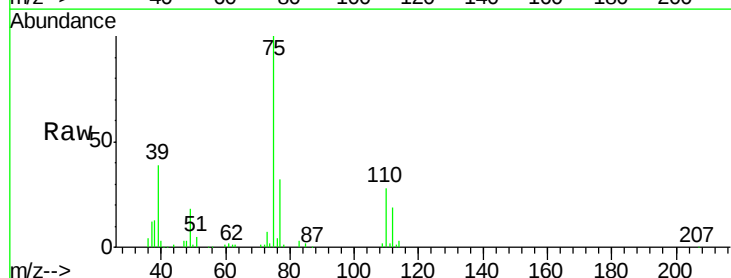
Manual Integrations
APPROVED

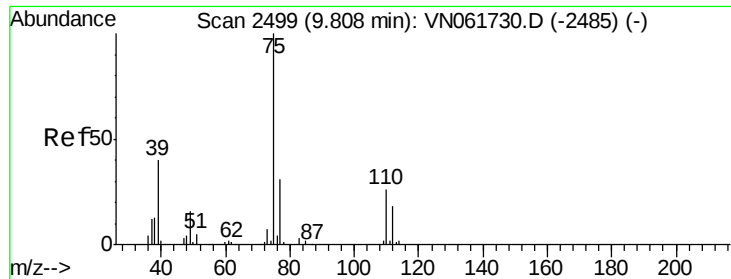
MMDadoda
6/11/2020 12:44:28 PM



#48
t-1,3-Dichloropropene
Concen: 13.813 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 75 Resp: 106749
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2





#49

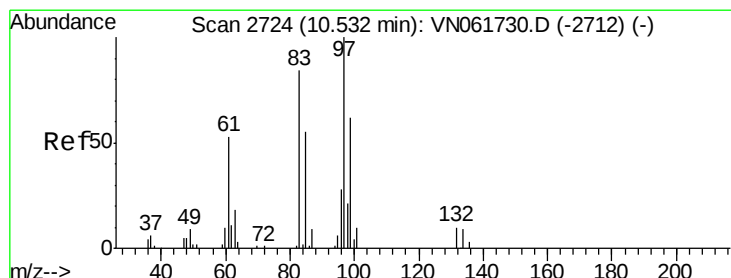
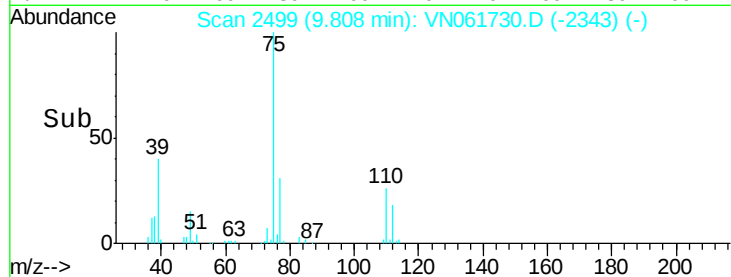
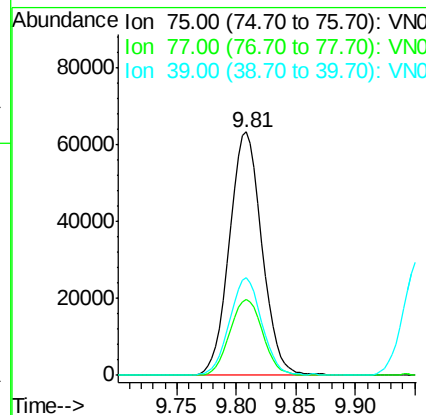
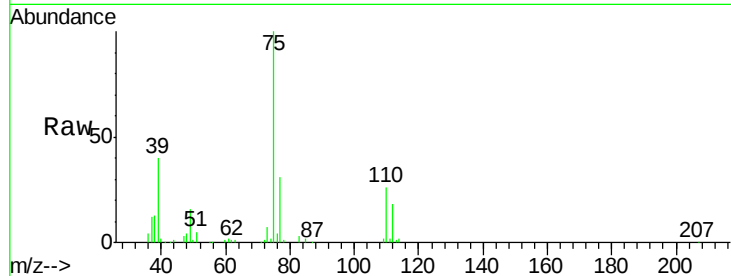
cis-1,3-Dichloropropene
 Concen: 14.514 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	39.7	31.8	47.6

Manual Integrations
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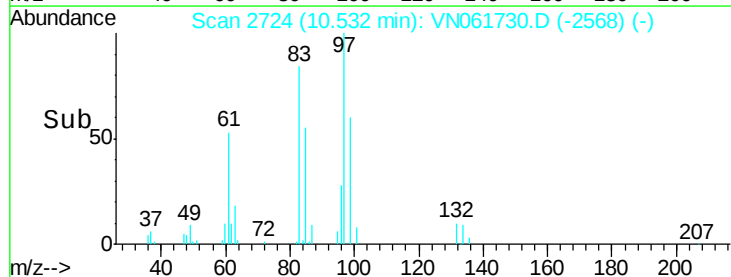
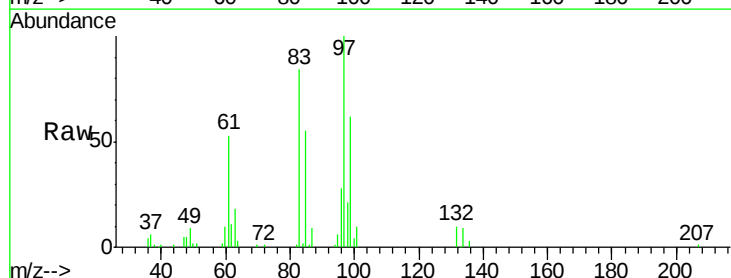
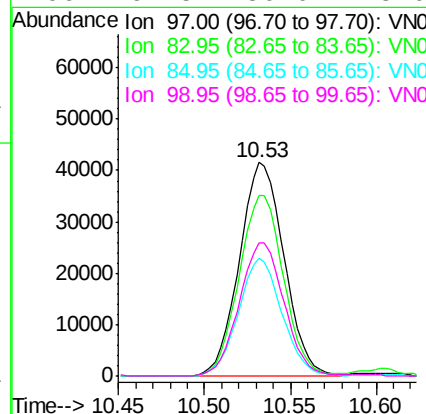
MMDadoda
 6/11/2020 12:44:28 PM

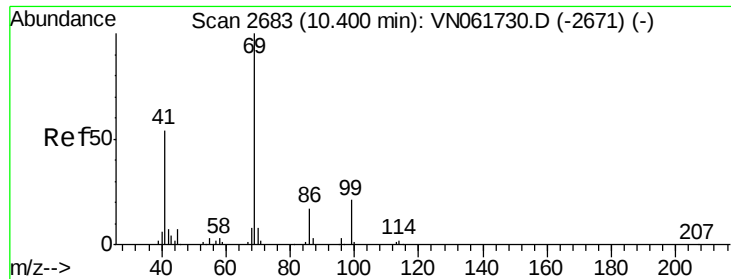


#50

1,1,2-Trichloroethane
 Concen: 17.169 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.6	101.4
85	55.0	44.0	66.0
99	62.5	50.0	75.0





#51

Ethyl methacrylate

Concen: 13.111 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

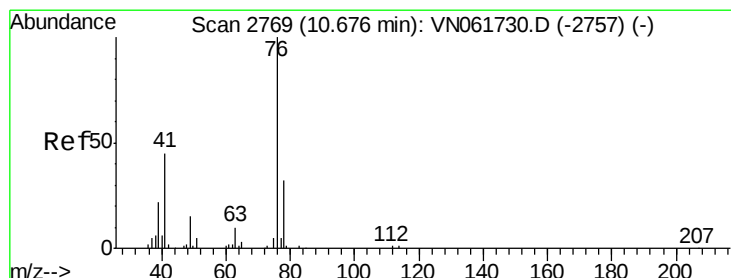
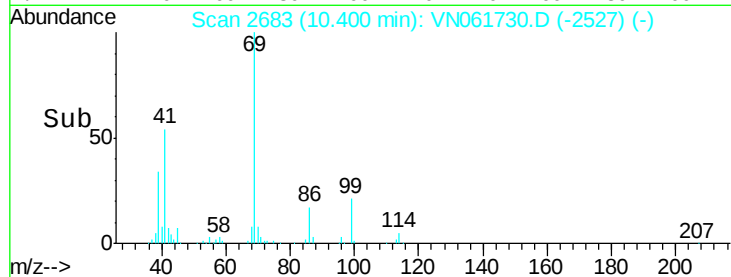
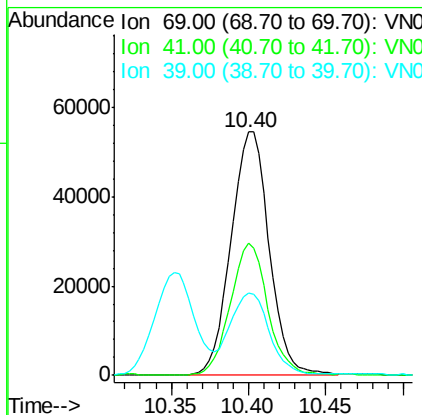
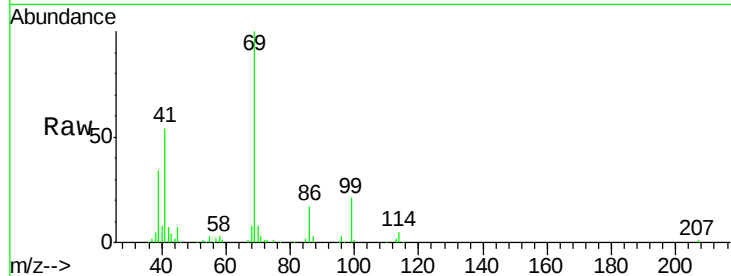
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	93604
Ion	Ratio	Lower	Upper
69	100		
41	53.8	26.9	80.7
39	33.4	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 15.443 ug/l

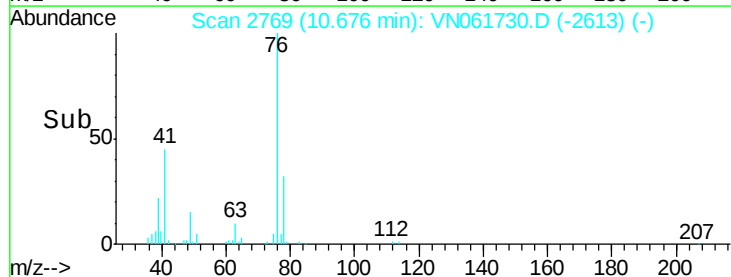
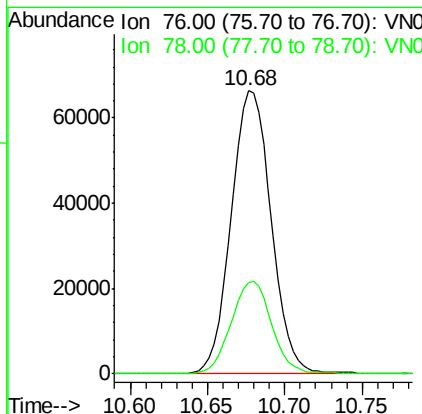
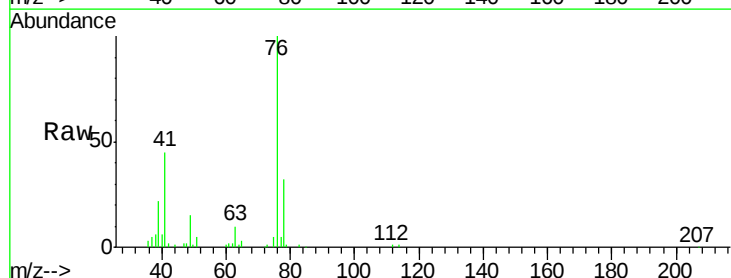
RT: 10.68 min Scan# 2769

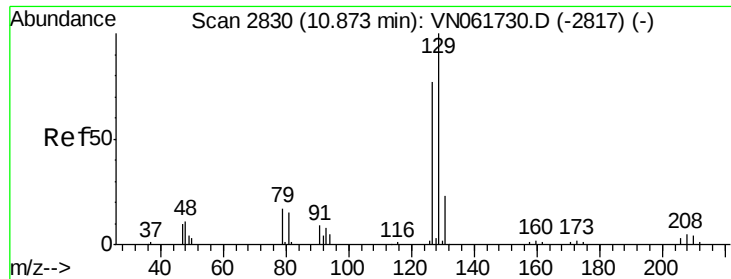
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	76	Resp:	119224
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	65.8





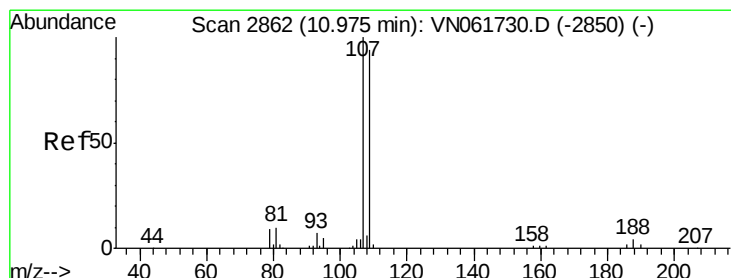
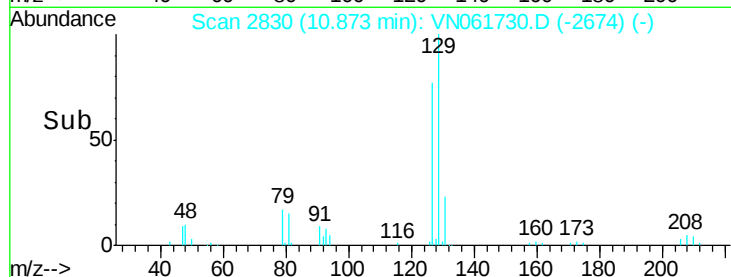
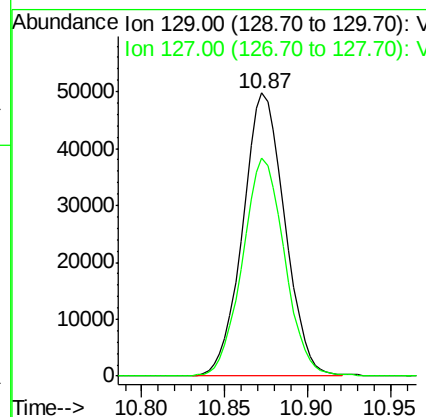
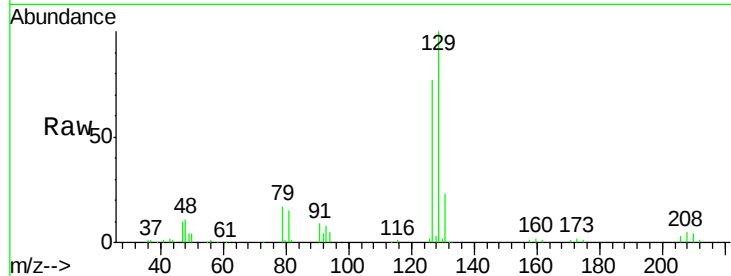
#53
 Dibromochloromethane
 Concen: 18.151 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	116.0

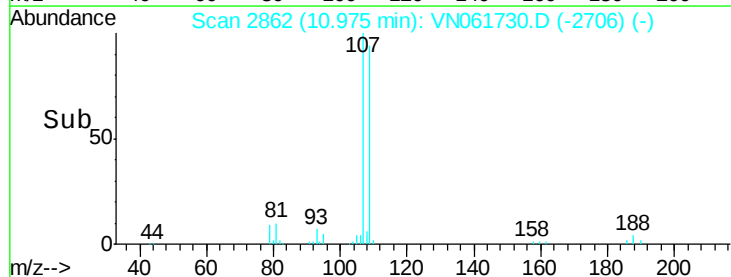
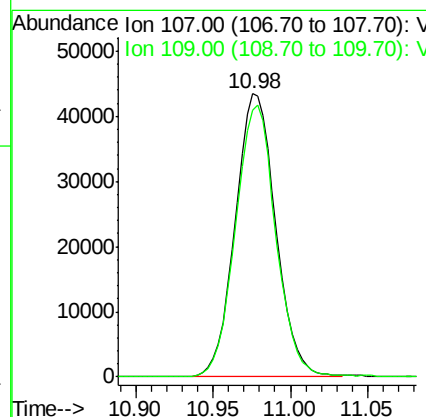
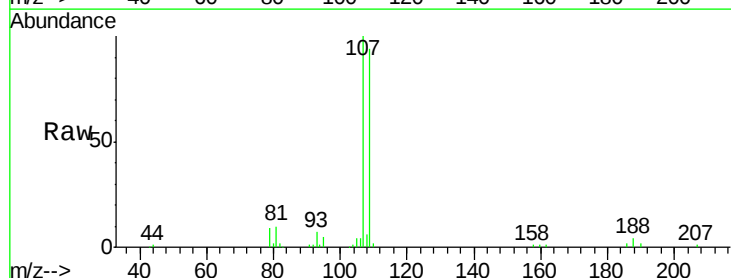
Manual Integrations
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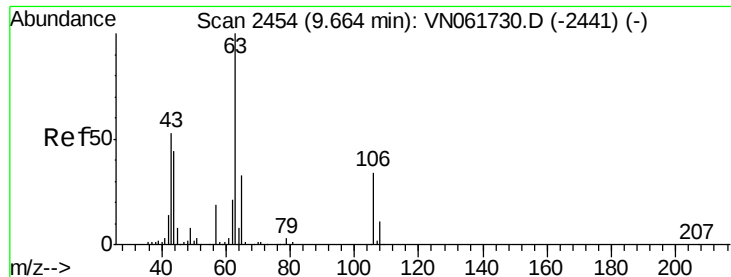
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#54
 1,2-Dibromoethane
 Concen: 17.490 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.6	114.8





#55

2-Chloroethyl vinyl ether

Concen: 53.291 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

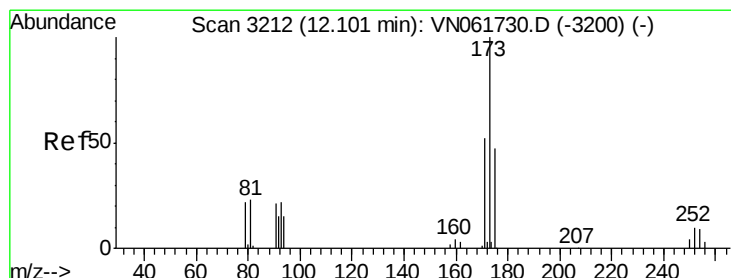
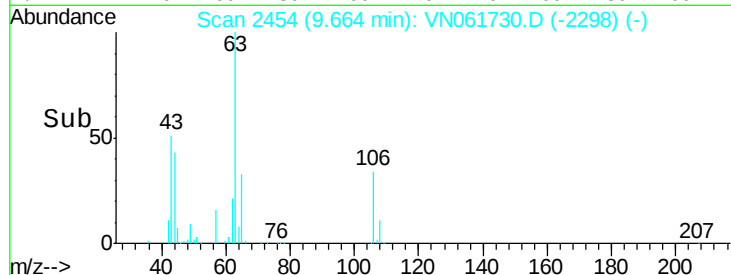
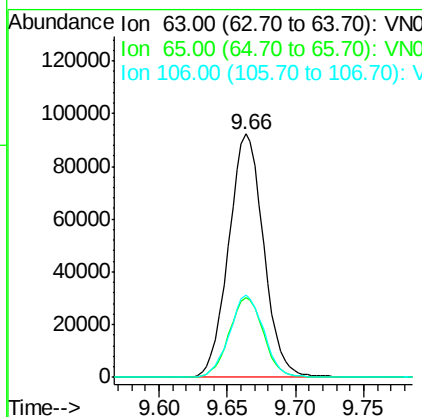
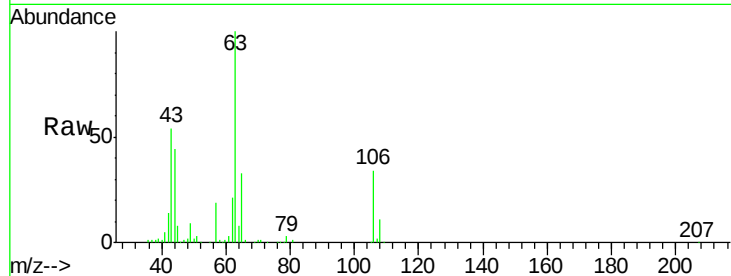
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	164307
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.8	38.8
106	33.1	26.5	39.7

Manual Integrations
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#56

Bromoform

Concen: 18.900 ug/l

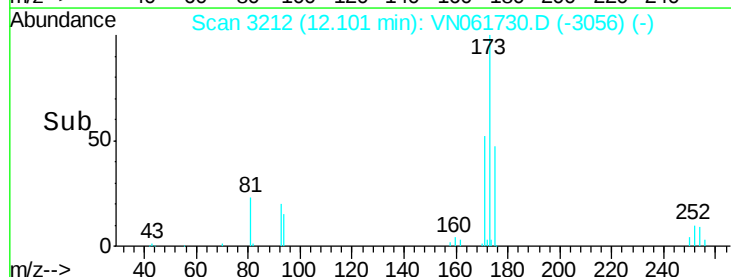
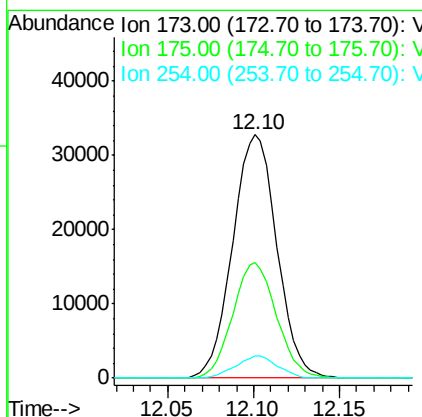
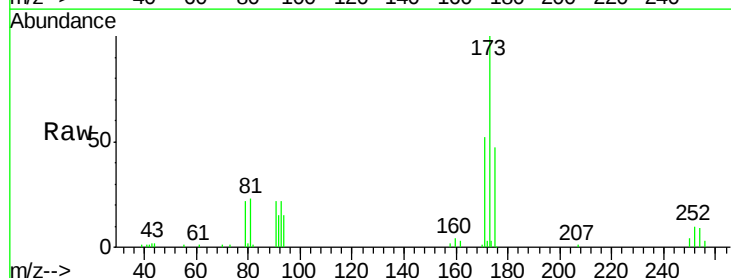
RT: 12.10 min Scan# 3212

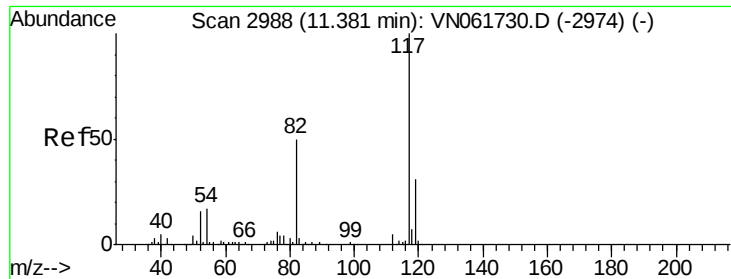
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	173	Resp:	58450
Ion Ratio	Lower	Upper	
173	100		
175	46.9	37.5	56.3
254	8.6	6.9	10.3





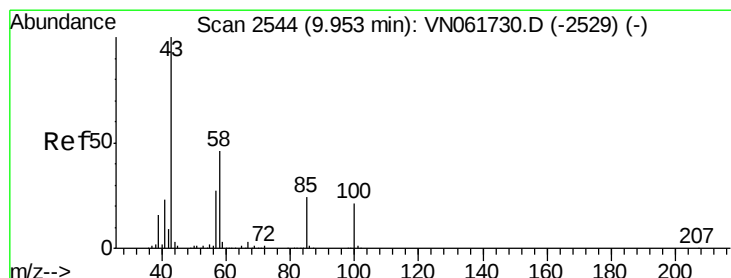
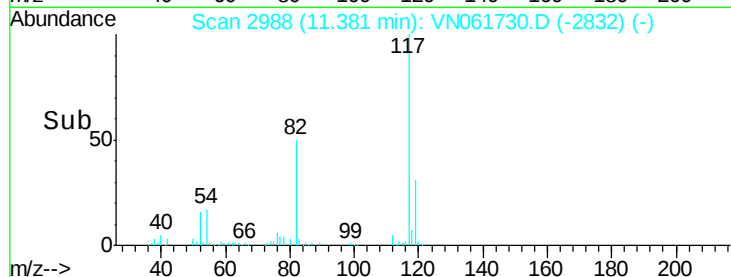
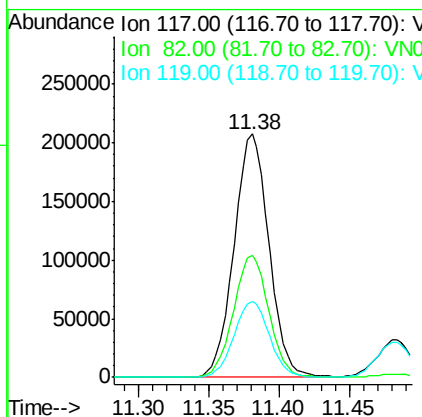
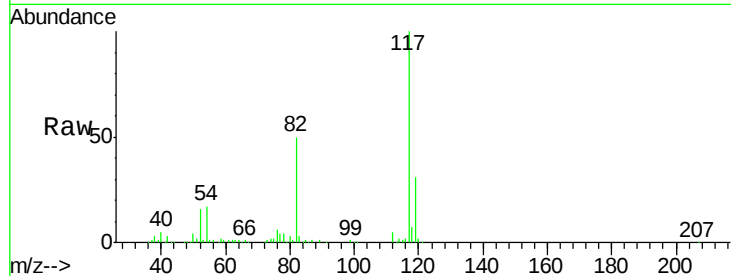
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	360753		
82	50.7		40.6	60.8
119	31.8		25.4	38.2

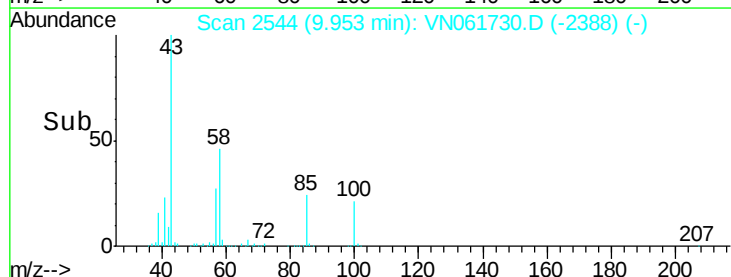
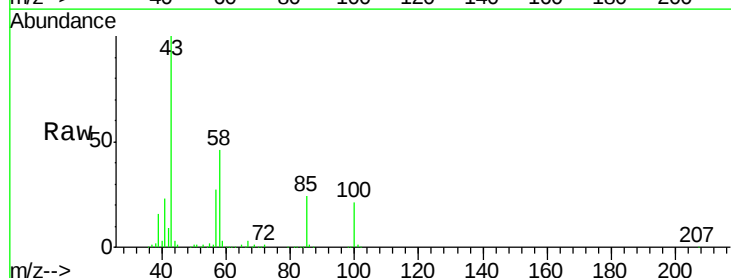
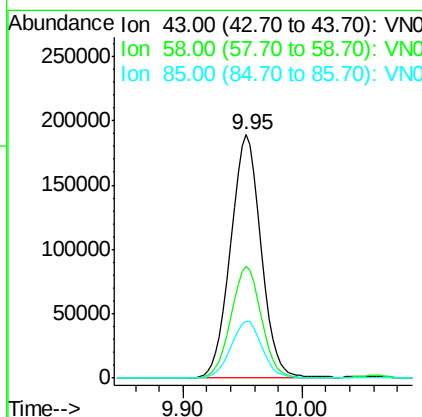
Manual Integrations
APPROVED

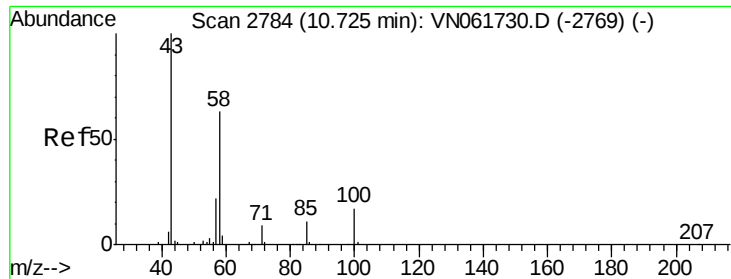
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 56.631 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	336189		
58	45.7		36.6	54.8
85	23.8		19.0	28.6





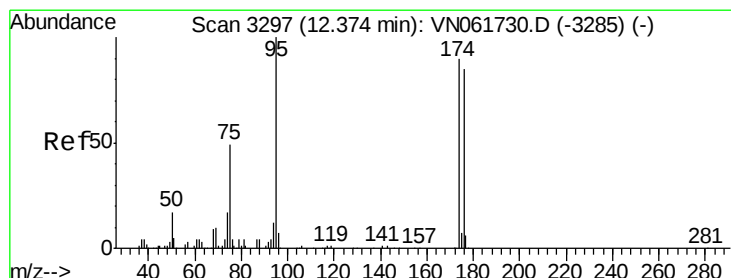
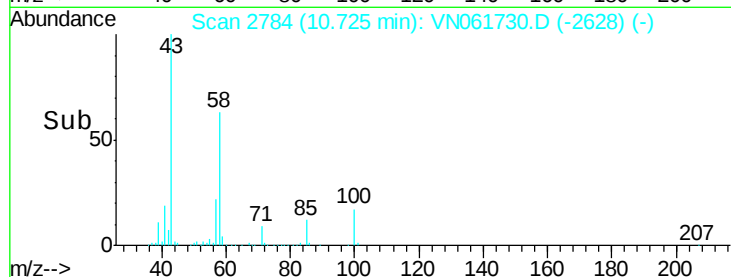
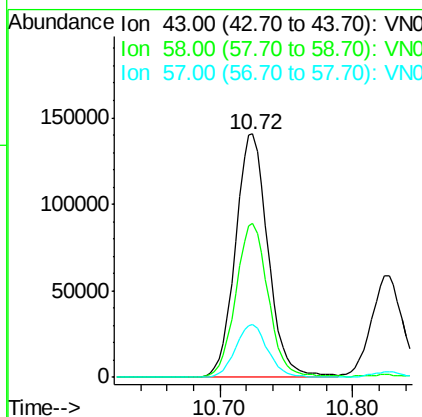
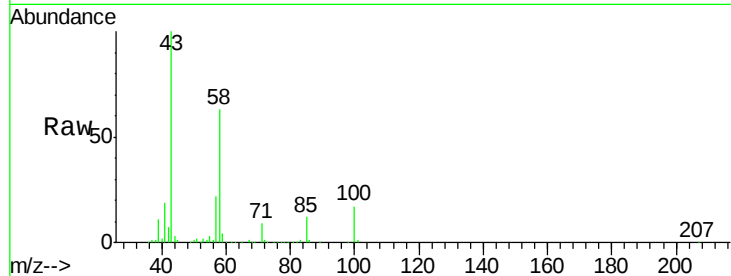
#59
2-Hexanone
Concen: 57.179 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	63.0	50.4	75.6
57	21.5	17.2	25.8

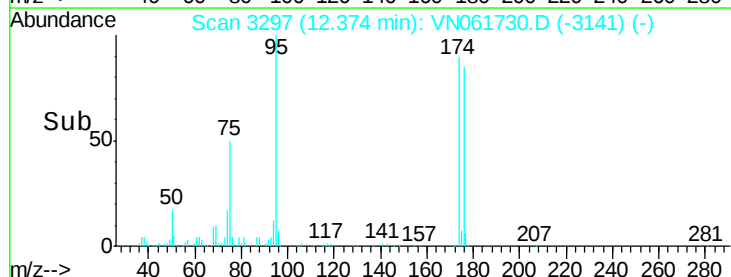
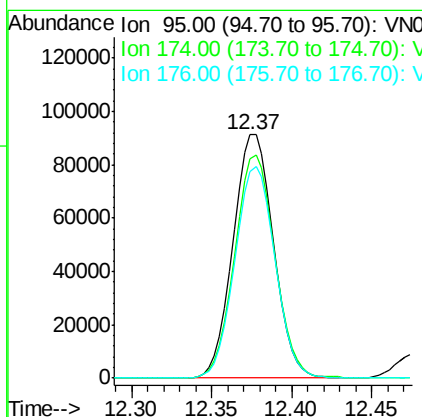
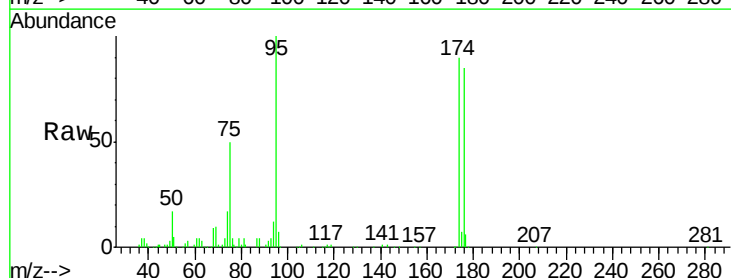
Manual Integrations
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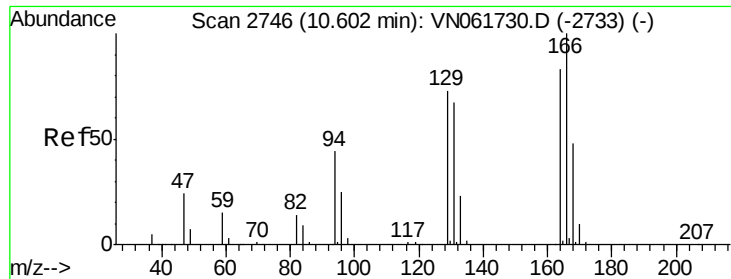
MMDadoda
6/11/2020 12:44:28 PM



#60
4-Bromofluorobenzene
Concen: 26.137 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	72.8	109.2
176	86.5	69.2	103.8





#61

Tetrachloroethene

Concen: 22.119 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 103240

Ion Ratio Lower Upper

164 100

166 120.7 96.6 144.8

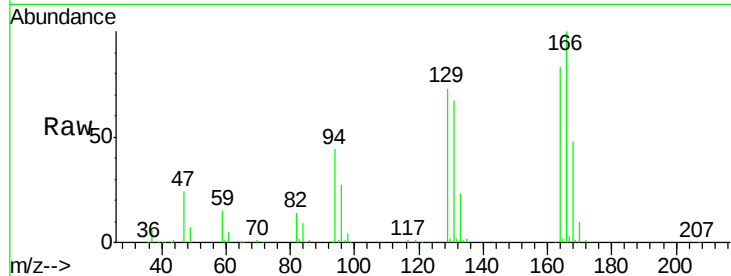
129 87.6 70.1 105.1

131 80.7 64.6 96.8

Manual Integrations
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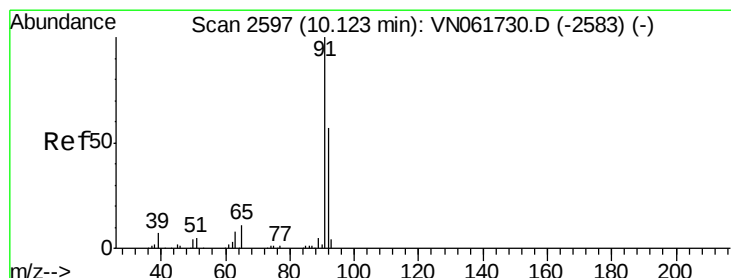
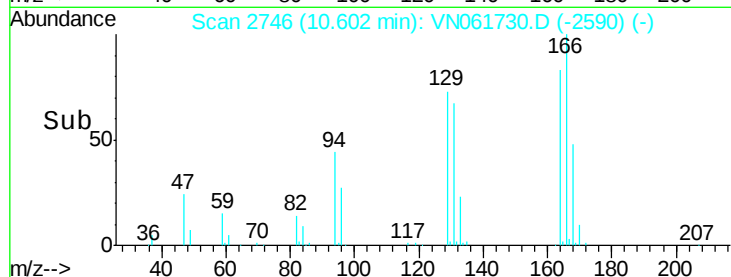
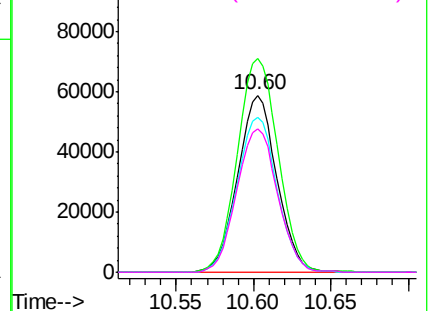


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 16.713 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061730.D

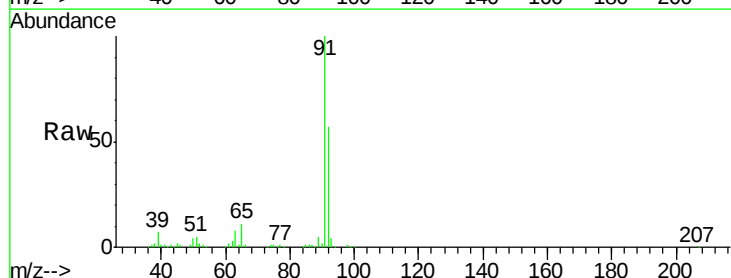
Acq: 10 Jun 2020 10:54

Tgt Ion: 91 Resp: 338149

Ion Ratio Lower Upper

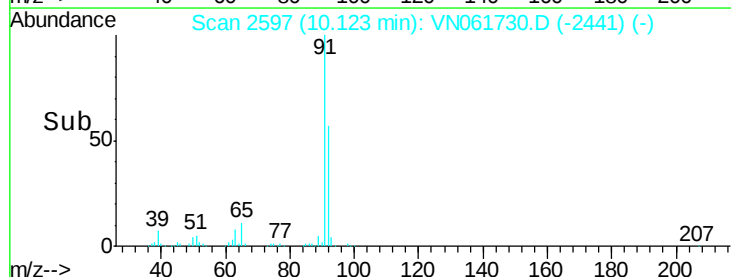
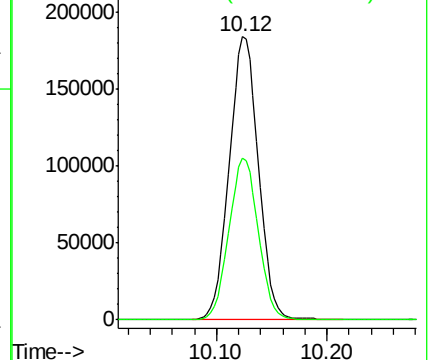
91 100

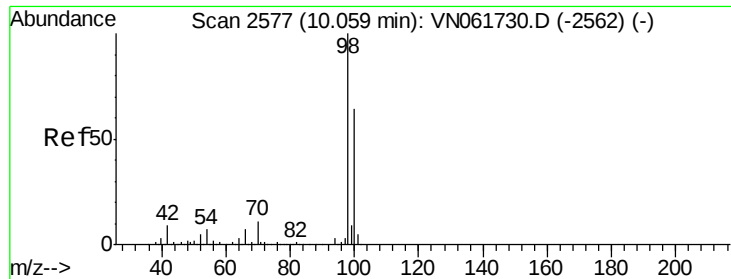
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.367 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 466988

Ion Ratio Lower Upper

98 100

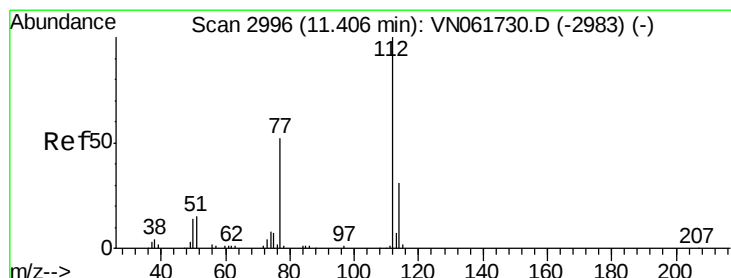
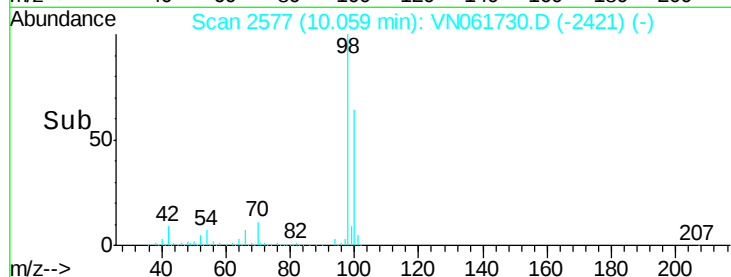
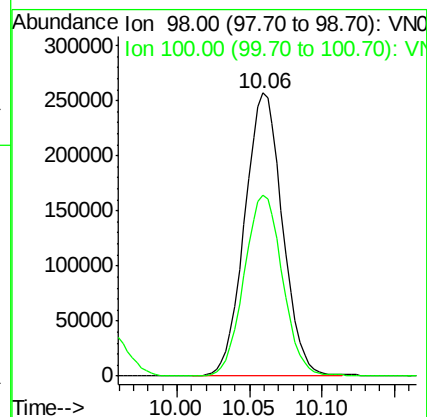
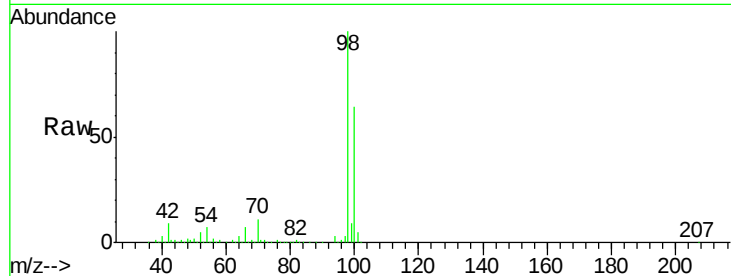
100 65.3 52.2 78.4

Manual Integrations

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#64

Chlorobenzene

Concen: 17.562 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061730.D

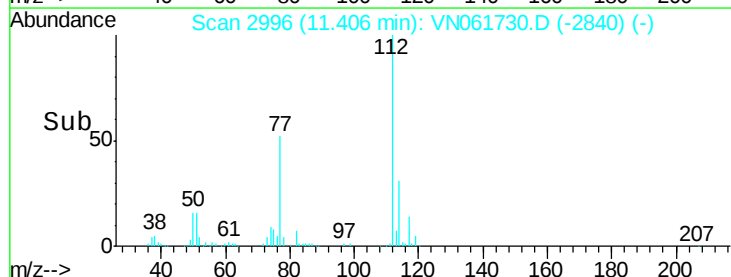
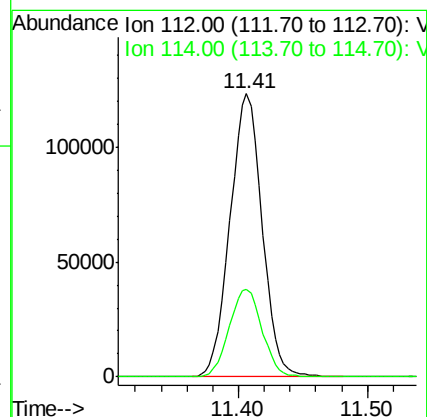
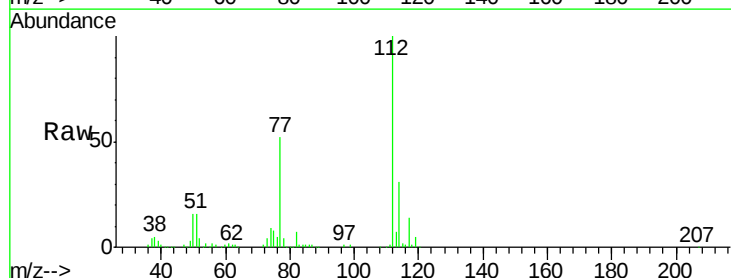
Acq: 10 Jun 2020 10:54

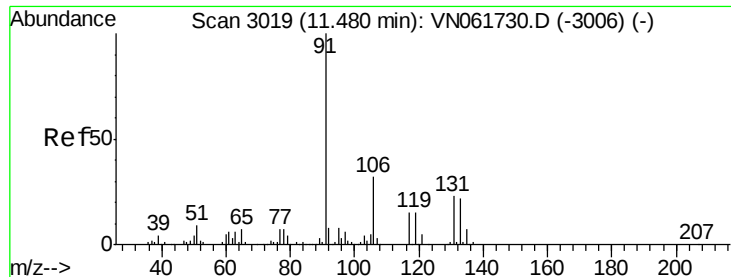
Tgt Ion: 112 Resp: 212959

Ion Ratio Lower Upper

112 100

114 31.1 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.057 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

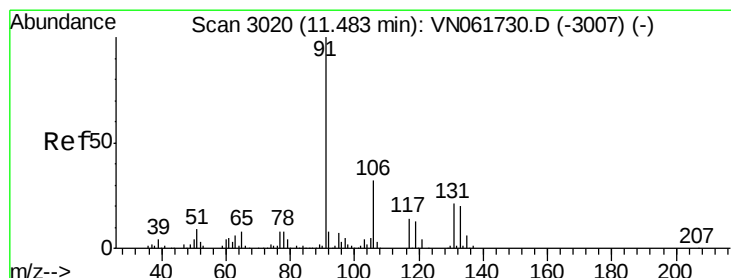
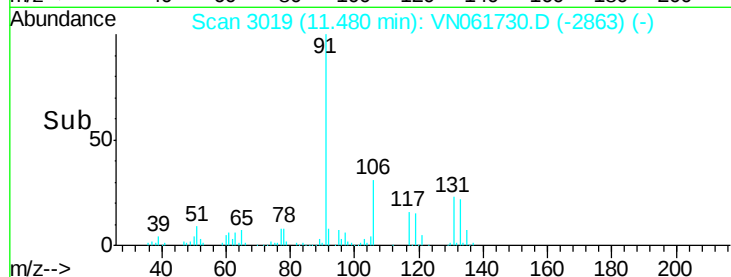
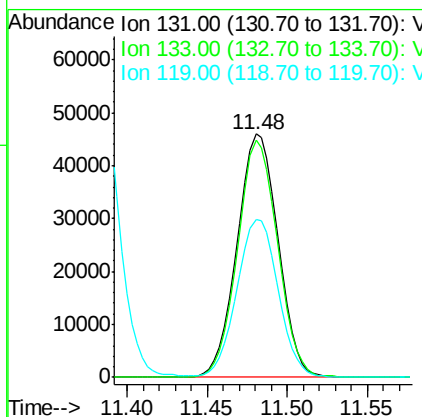
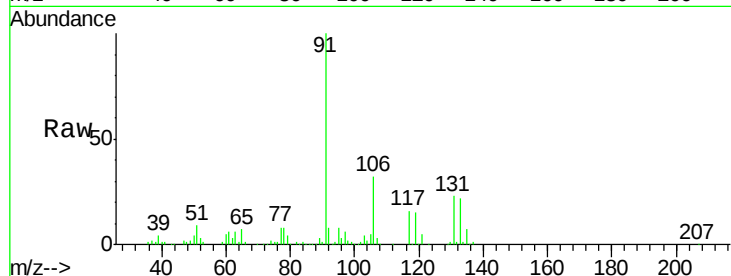
ClientSampled :

VSTDICCC020

Tot Ion:	131	Resp:	80470
Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	189.4
119	65.4	0.0	130.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 15.609 ug/l

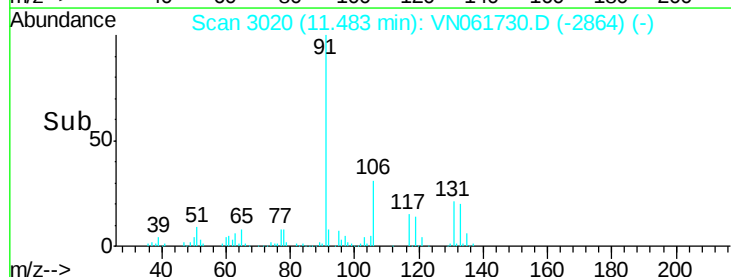
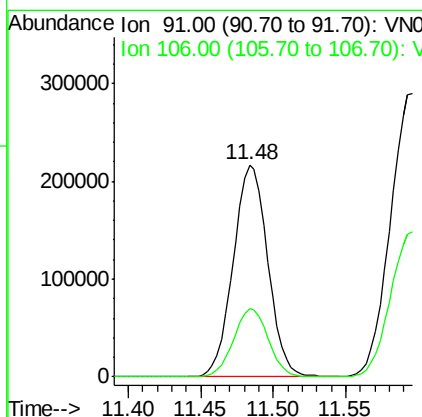
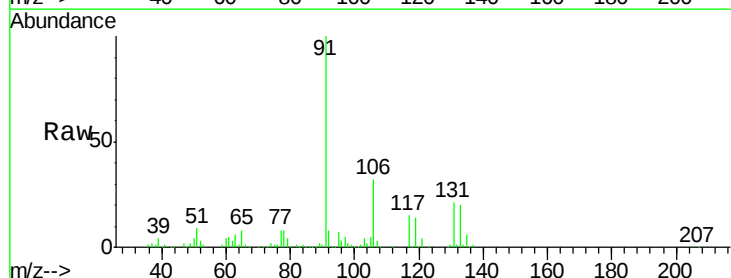
RT: 11.48 min Scan# 3020

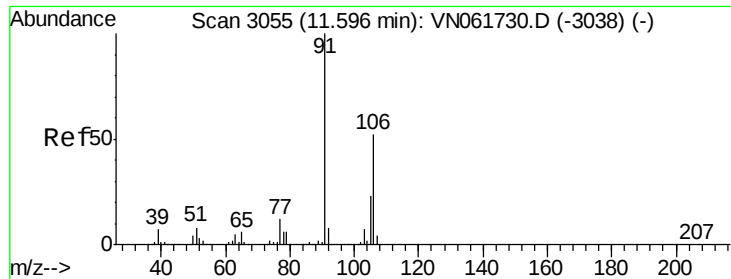
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	91	Resp:	358678
Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5





#67

m/p-Xylenes

Concen: 33.303 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 286508

Ion Ratio Lower Upper

106 100

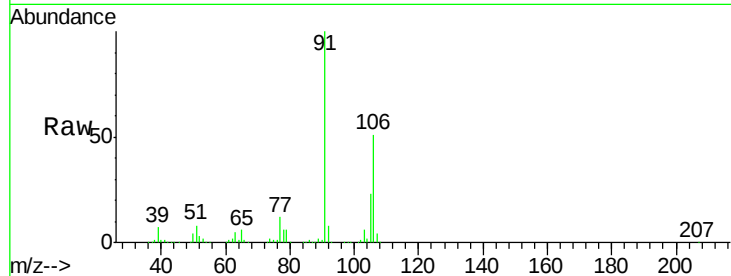
91 195.3 156.2 234.4

Manual Integrations

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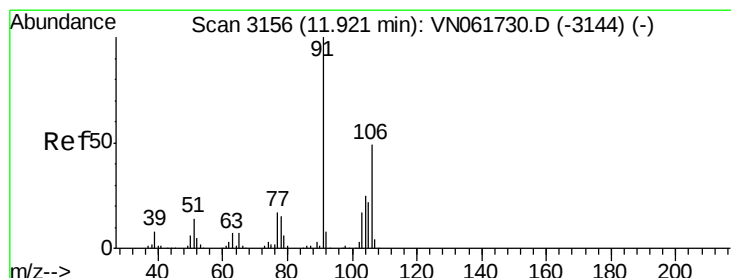
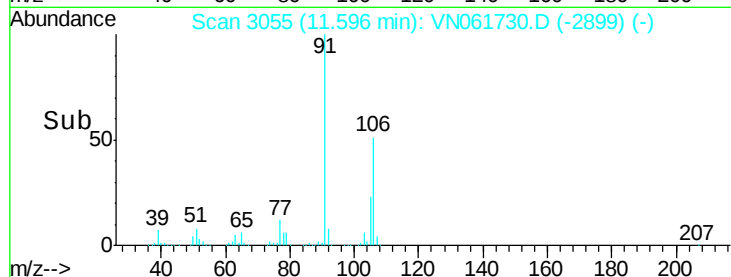
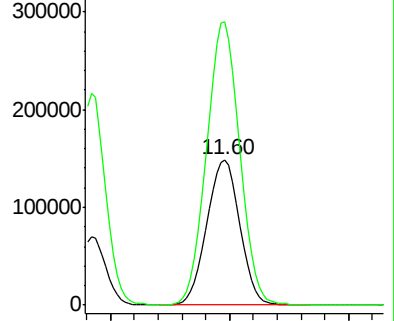
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 16.641 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061730.D

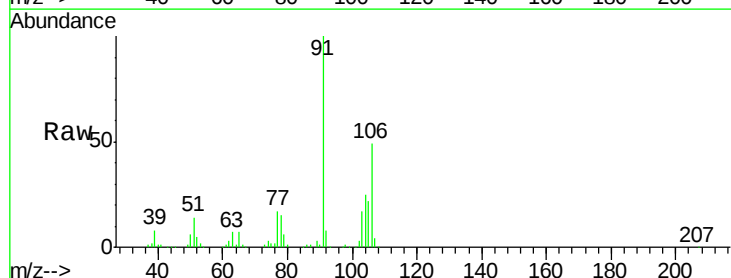
Acq: 10 Jun 2020 10:54

Tgt Ion:106 Resp: 136176

Ion Ratio Lower Upper

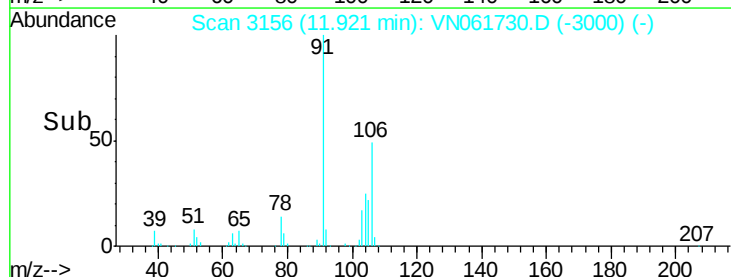
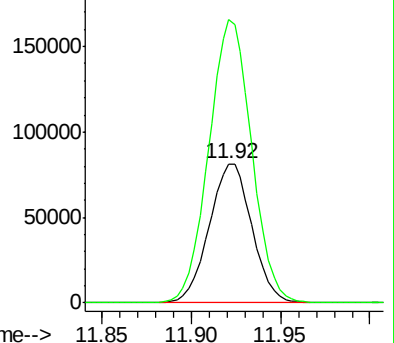
106 100

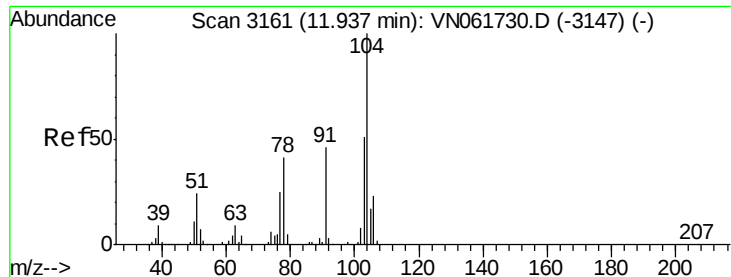
91 203.8 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





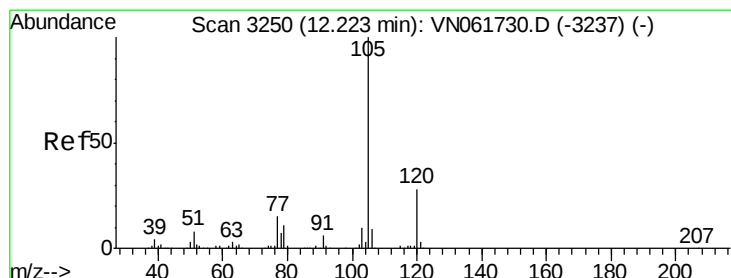
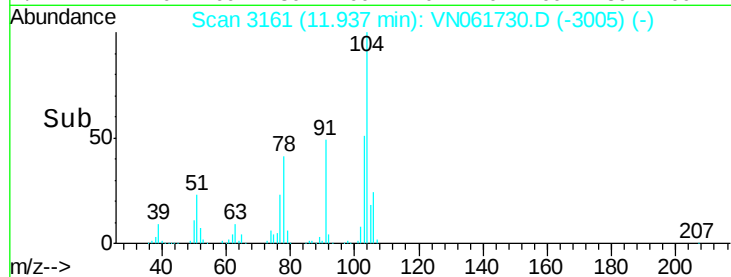
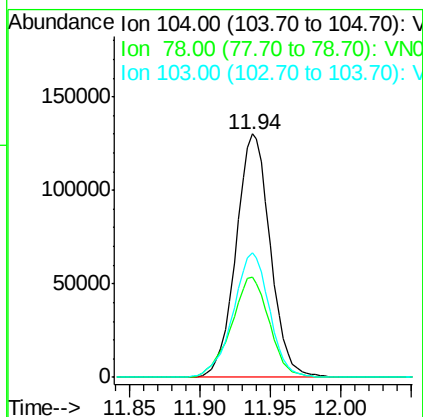
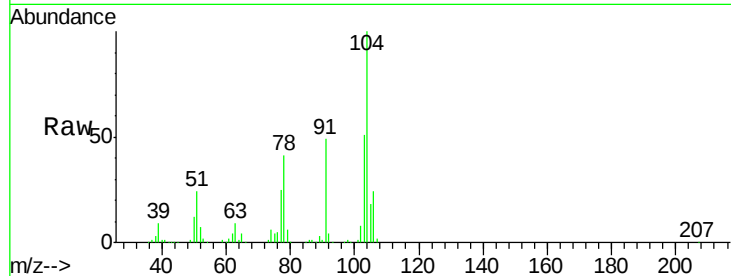
#69
Stvrene
Concen: 15.811 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	222095		
78	45.6	36.5	54.7	
103	54.3	43.4	65.2	

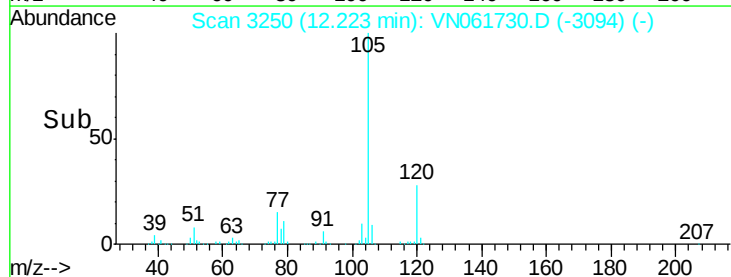
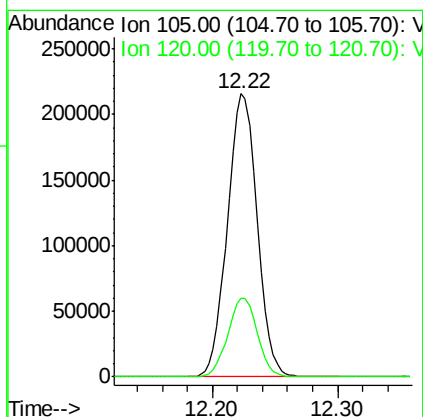
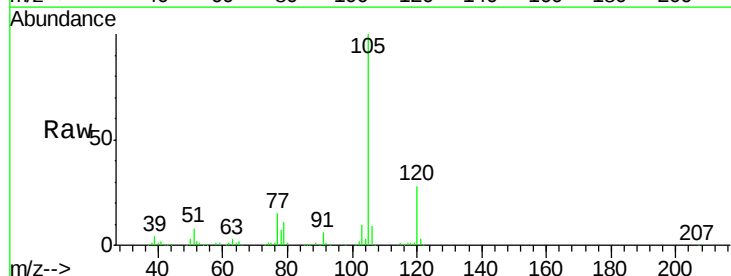
Manual Integrations
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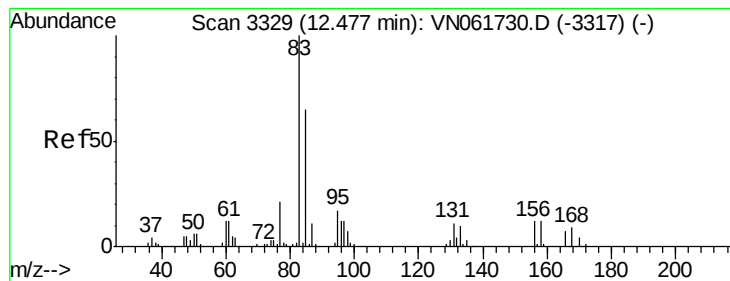
MMDadoda
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#70
Isopropylbenzene
Concen: 16.086 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355733		
120	27.5	19.3	35.8	





#71

1,1,2,2-Tetrachloroethane

Concen: 15.657 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

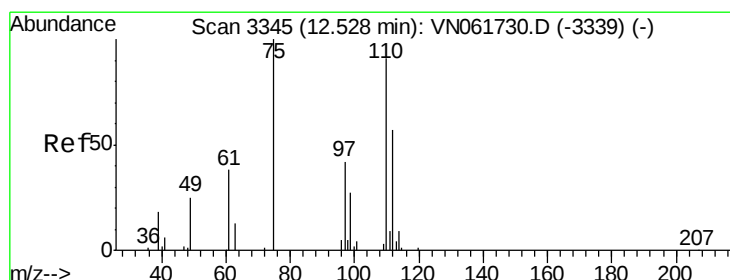
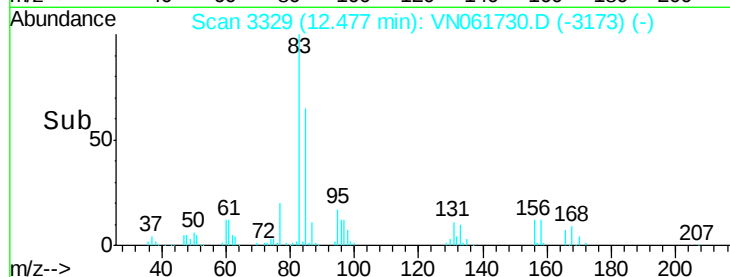
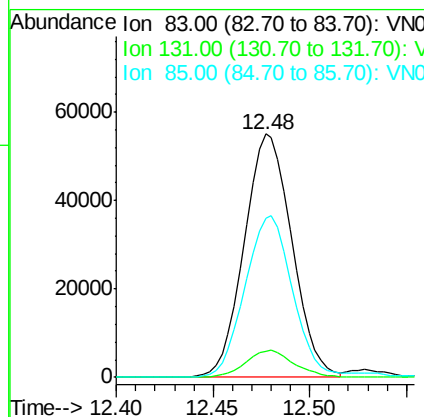
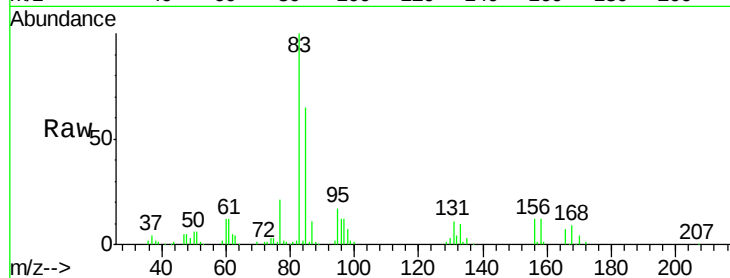
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	94516
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	65.9	33.0	98.9

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 15.596 ug/l m

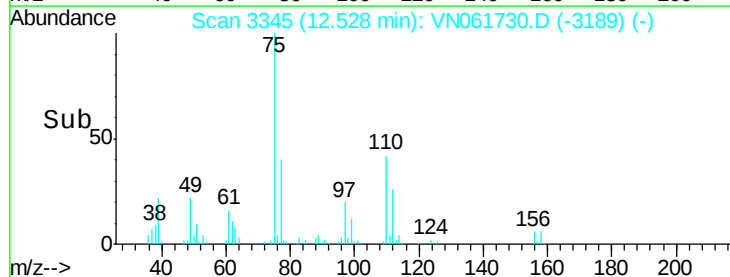
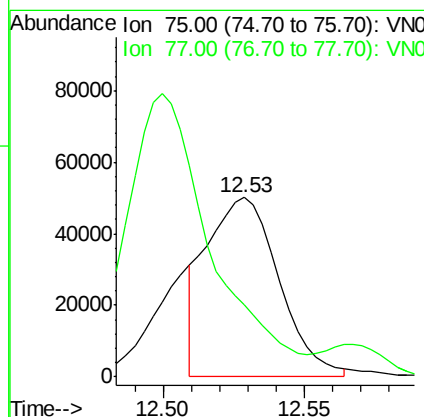
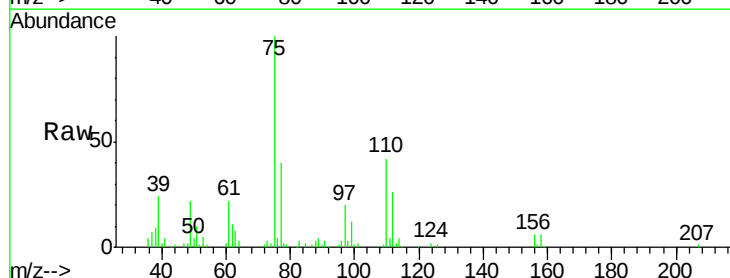
RT: 12.53 min Scan# 3345

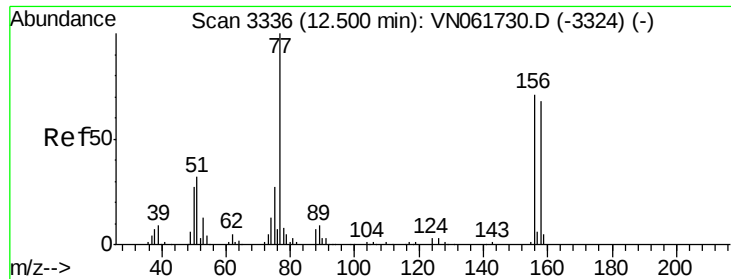
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	75	Resp:	88945
Ion Ratio	Lower	Upper	
75	100		
77	185.9	0.0	371.8





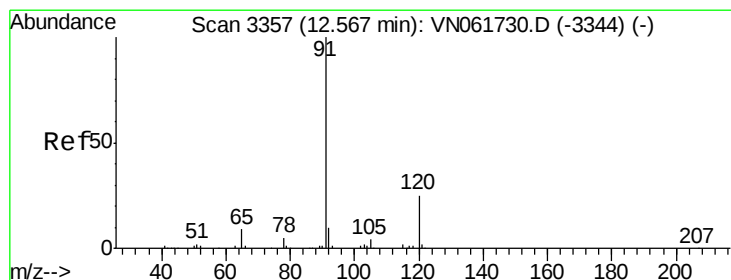
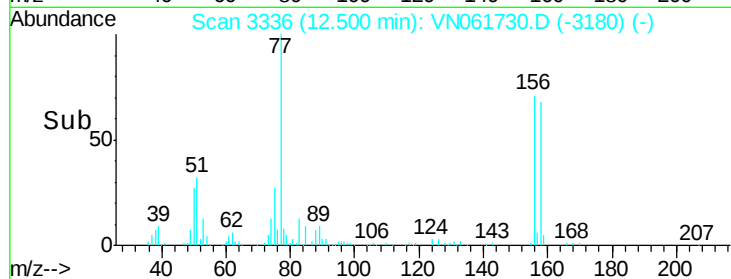
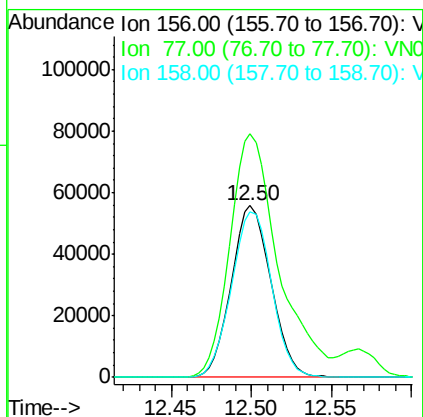
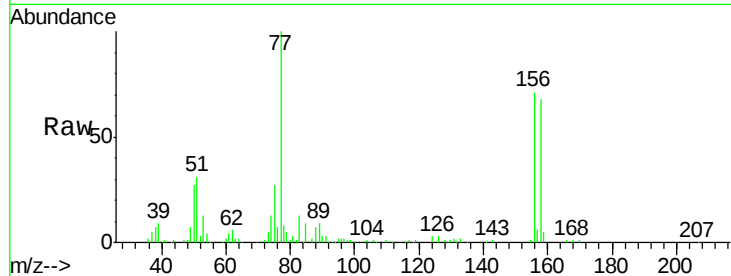
#73
Bromobenzene
Concen: 19.622 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	0.0	350.0
158	97.7	0.0	195.4

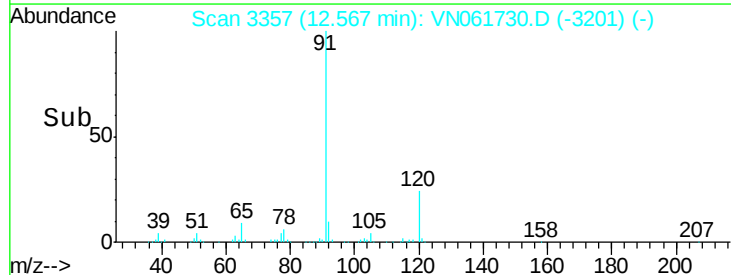
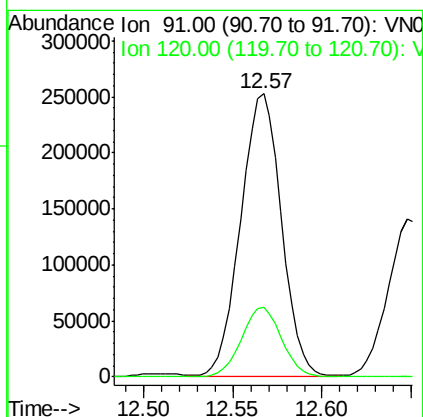
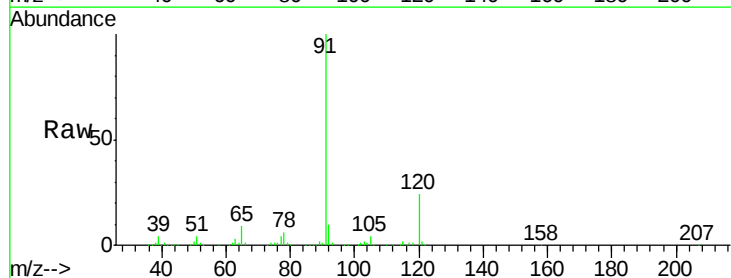
Manual Integrations
APPROVED

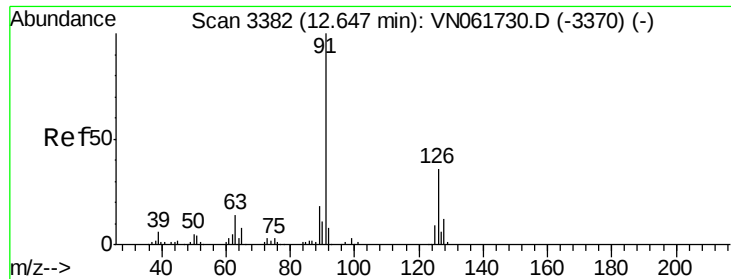
MMDadoda
6/11/2020 12:44:28 PM



#74
n-propylbenzene
Concen: 15.466 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	48.4





#75

2-Chlorotoluene

Concen: 15.644 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 234059

Ion Ratio Lower Upper

91 100

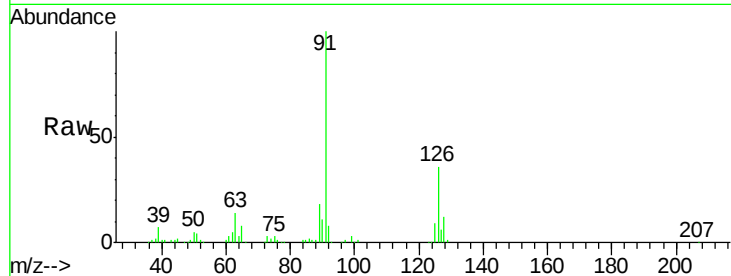
126 36.0 0.0 72.0

Manual Integrations

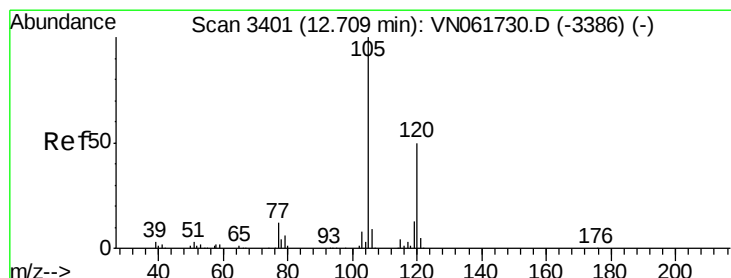
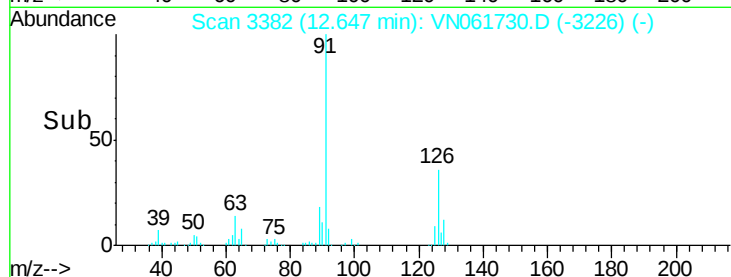
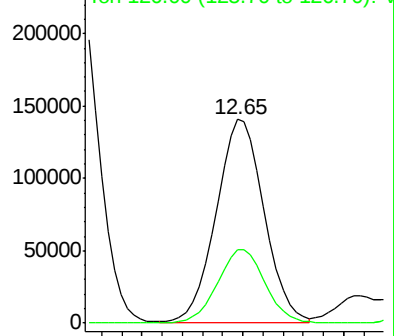
APPROVED

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6/11/2020 12:44:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 15.935 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061730.D

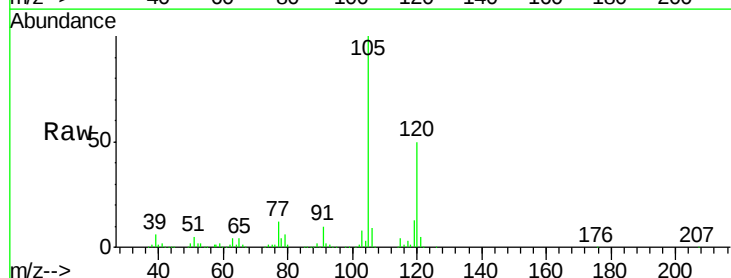
Acq: 10 Jun 2020 10:54

Tgt Ion: 105 Resp: 295259

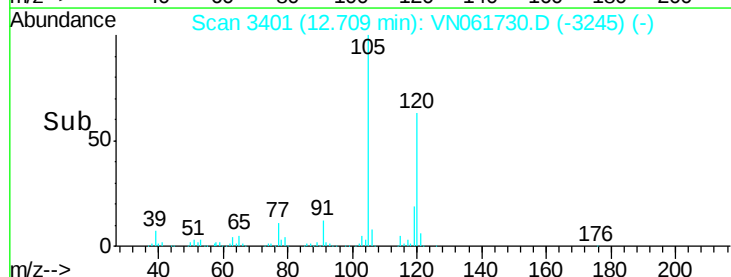
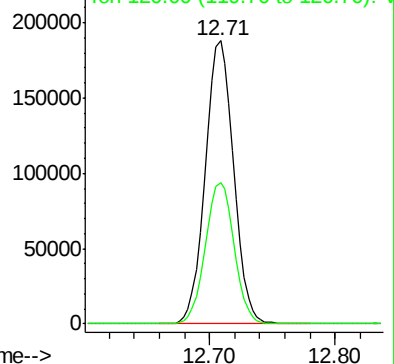
Ion Ratio Lower Upper

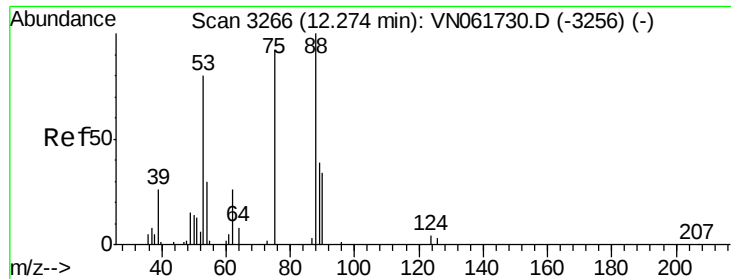
105 100

120 50.8 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061730.D (-3386) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 13.331 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

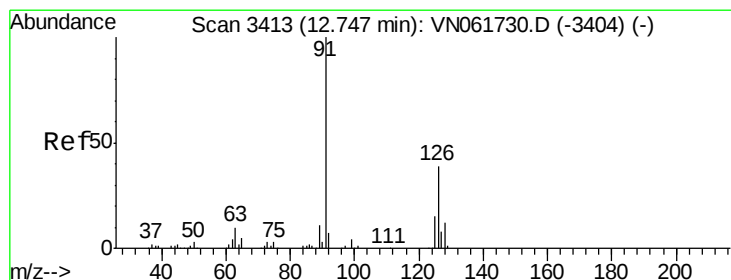
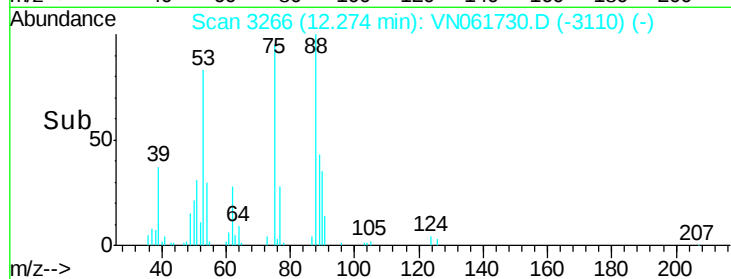
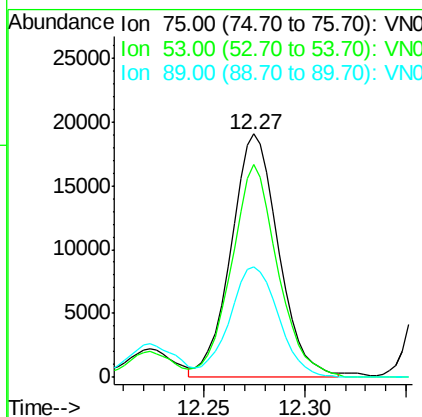
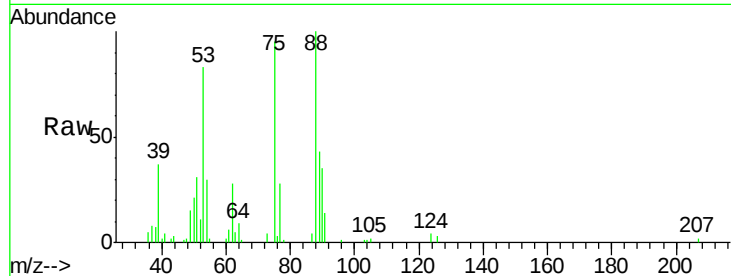
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	31397
Ion Ratio	Lower	Upper	
75	100		
53	87.6	43.8	131.4
89	46.1	23.1	69.2

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#78

4-Chlorotoluene

Concen: 15.534 ug/l

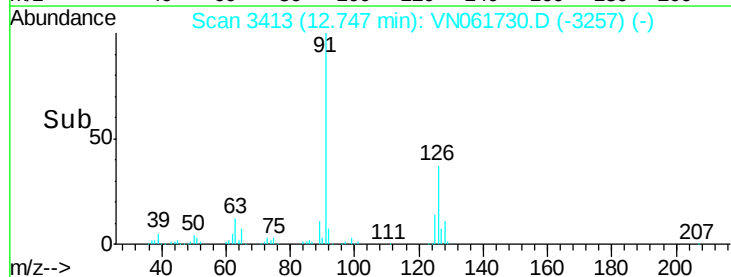
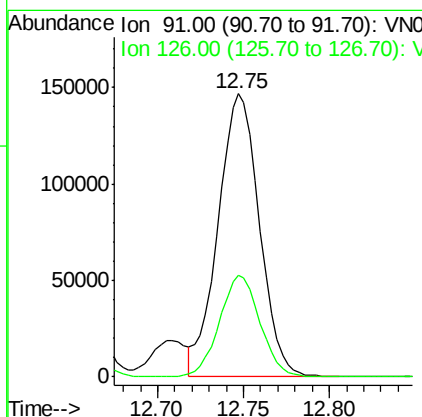
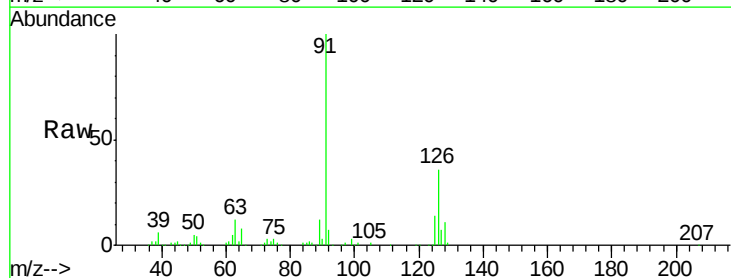
RT: 12.75 min Scan# 3413

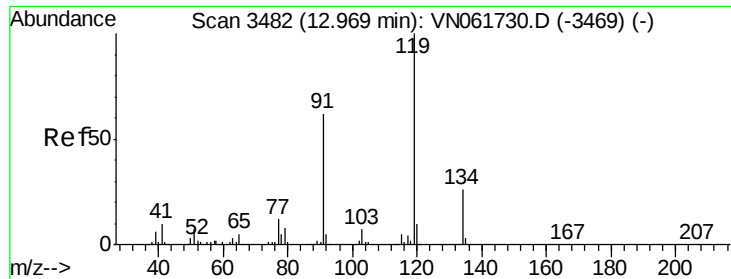
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	91	Resp:	243914
Ion Ratio	Lower	Upper	
91	100		
126	35.2	0.0	70.4





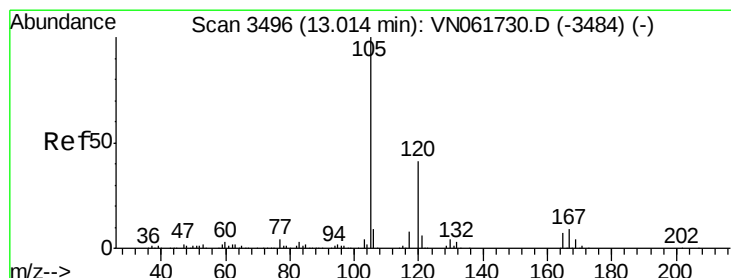
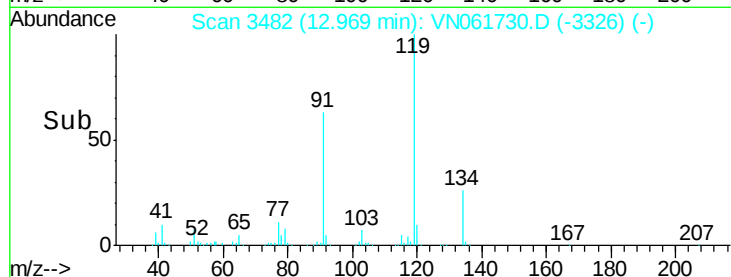
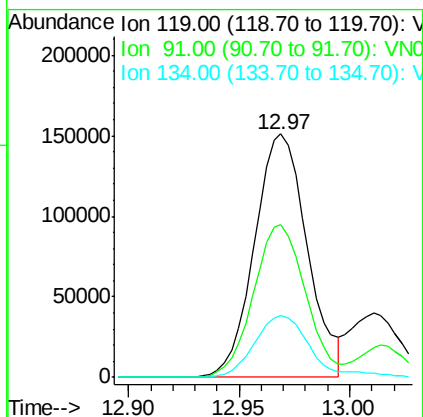
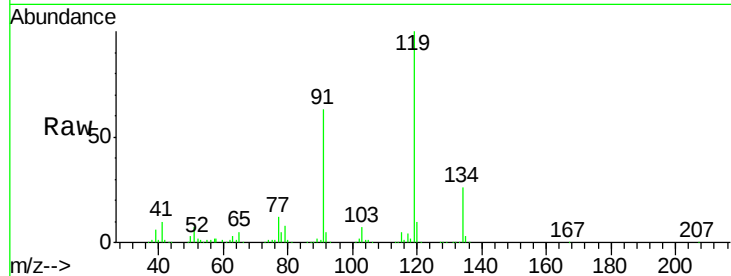
#79
tert-butylbenzene
Concen: 16.247 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250683		
91	62.3		0.0	124.6
134	25.7		0.0	51.4

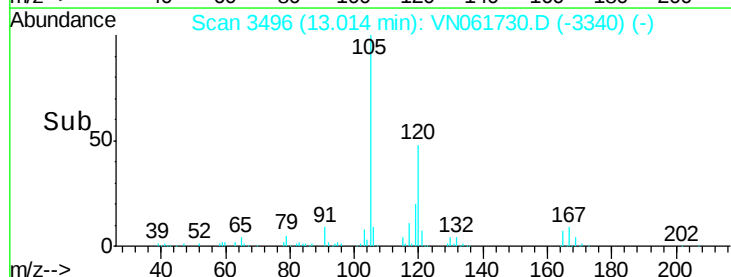
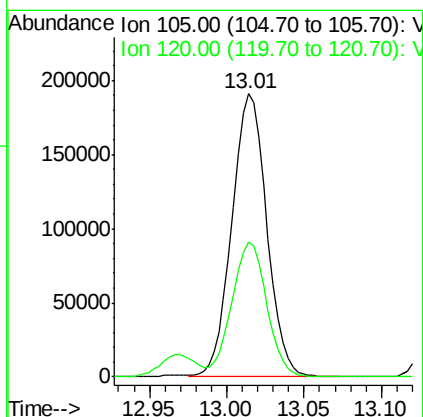
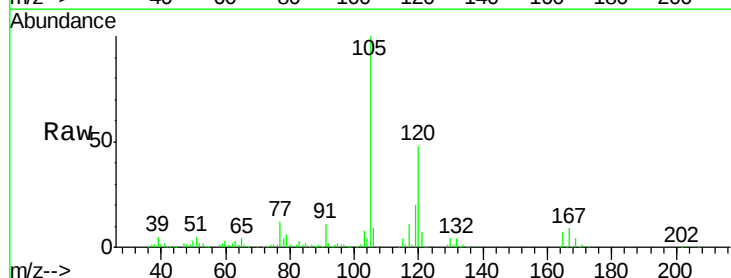
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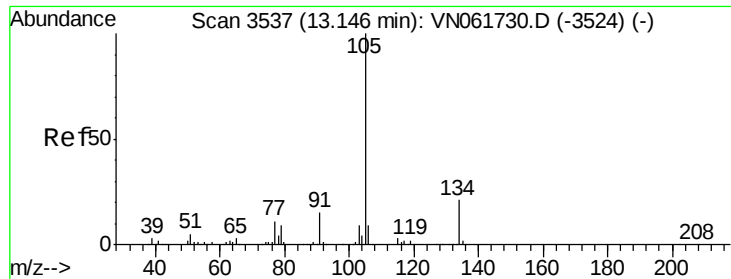
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#80
1,2,4-Trimethylbenzene
Concen: 16.046 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298069		
120	47.7		0.0	95.4





#81

sec-Butylbenzene

Concen: 15.699 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 331420

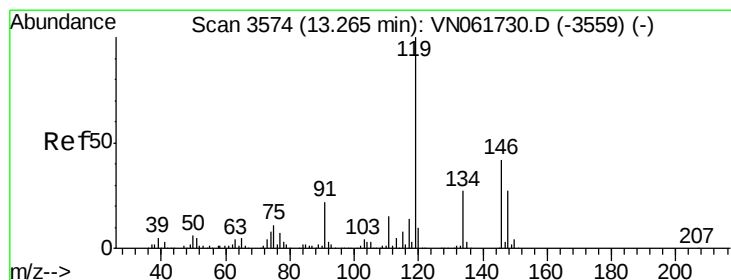
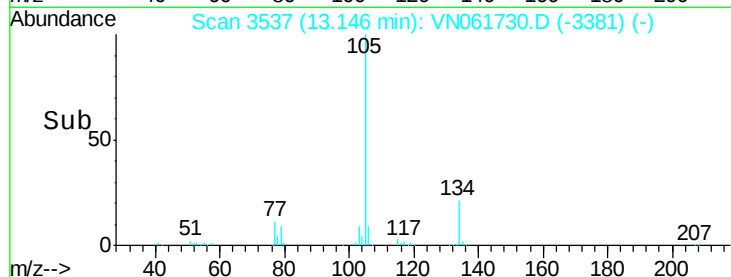
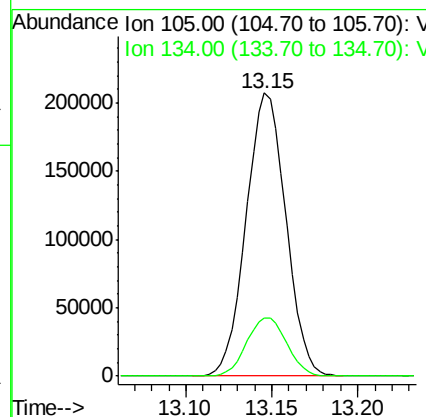
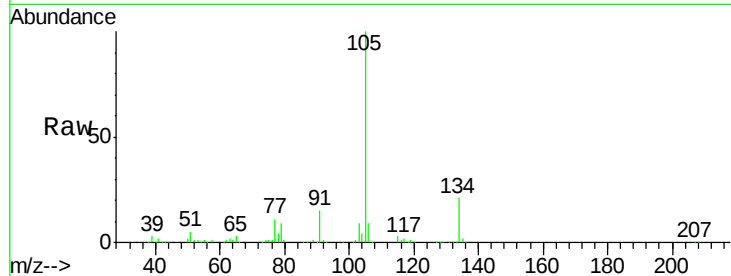
Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 15.886 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

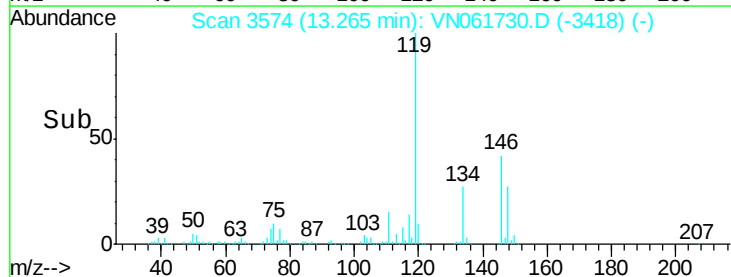
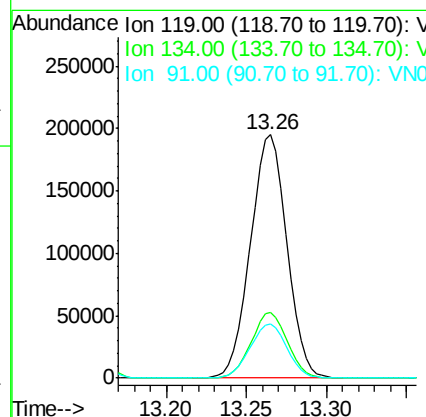
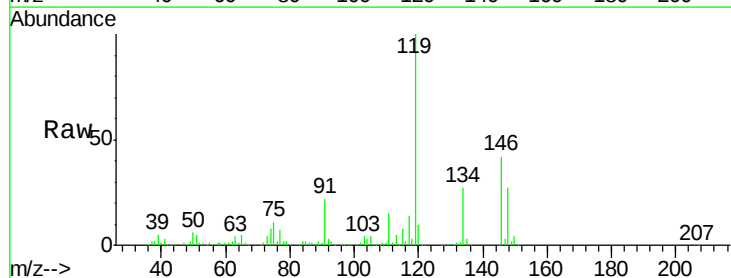
Tgt Ion:119 Resp: 303396

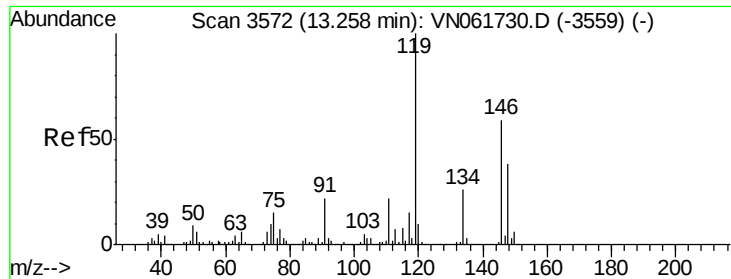
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

91 22.6 0.0 45.2





#83

1,3-Dichlorobenzene

Concen: 18.906 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

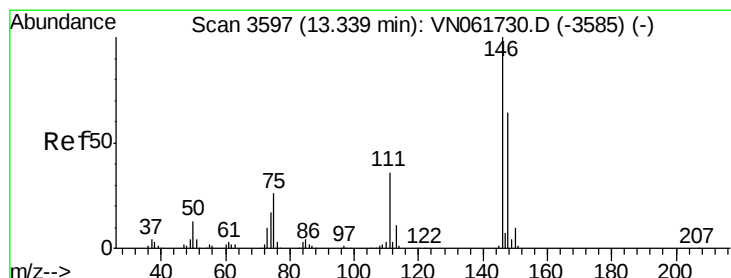
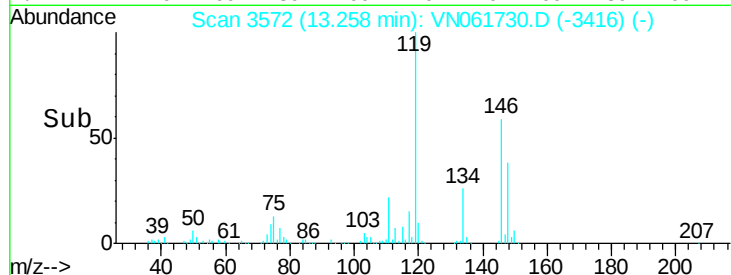
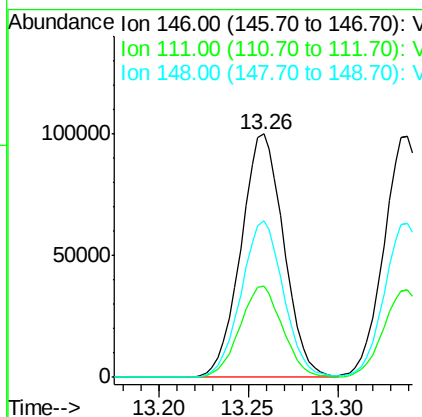
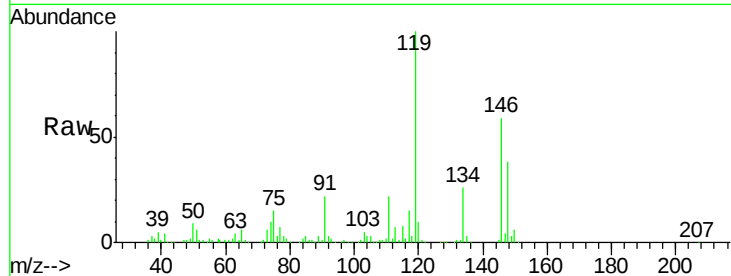
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	168248
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	63.7	31.9	95.5

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.716 ug/l

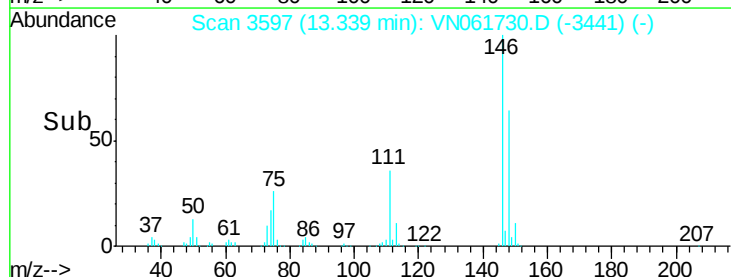
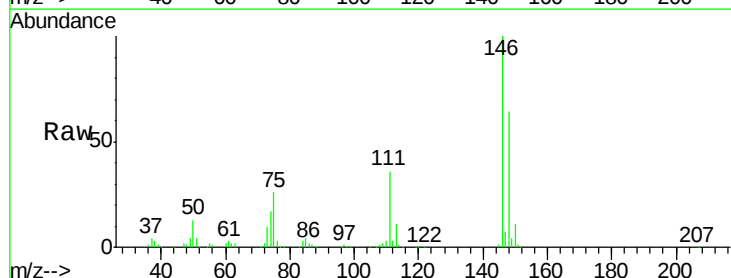
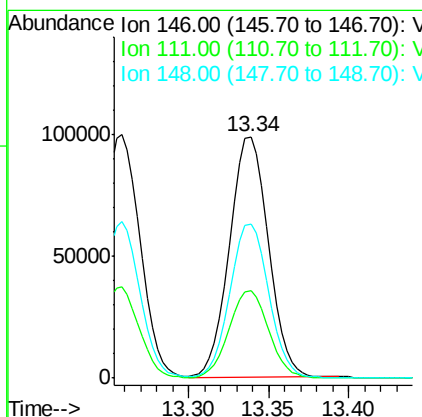
RT: 13.34 min Scan# 3597

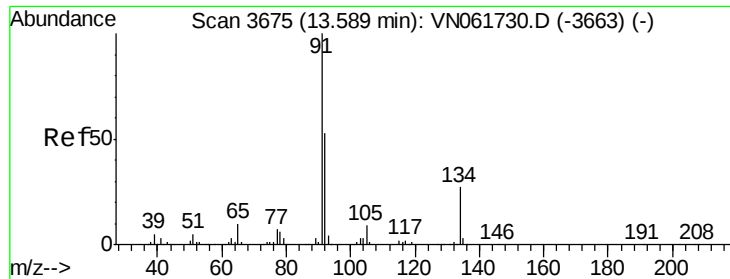
Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion:	146	Resp:	163941
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.6	55.8
148	64.4	32.2	96.6





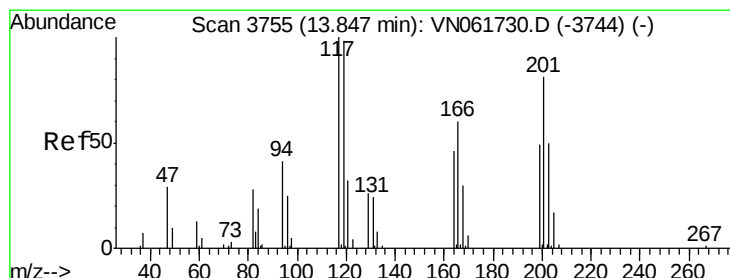
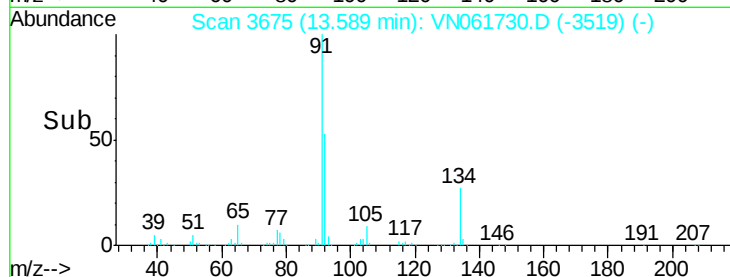
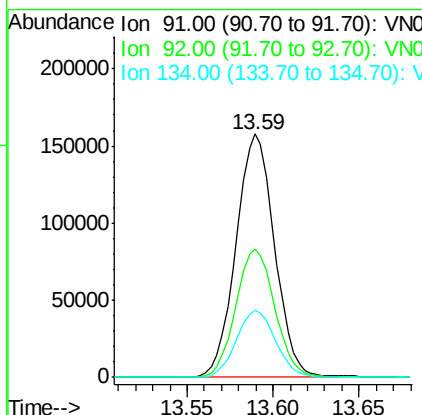
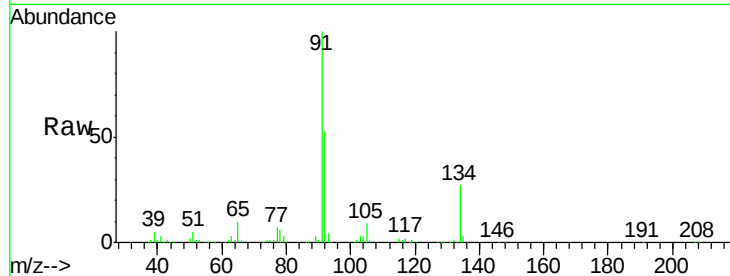
#85
n-Butylbenzene
Concen: 14.178 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	0.0	107.2
134	27.9	0.0	55.8

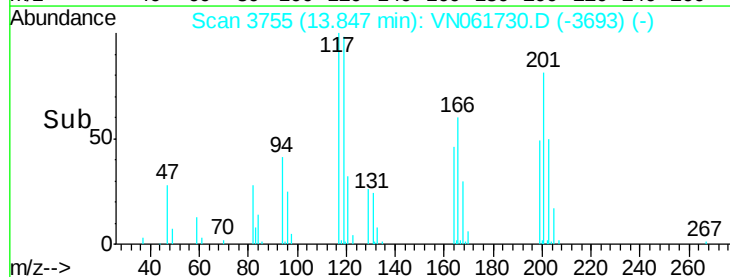
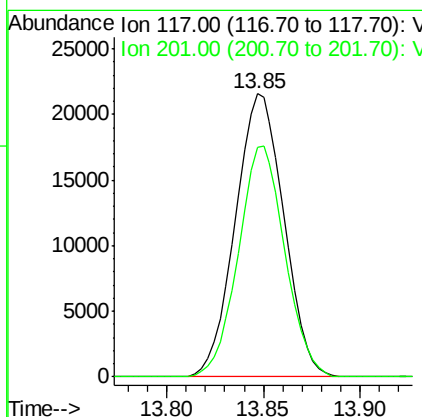
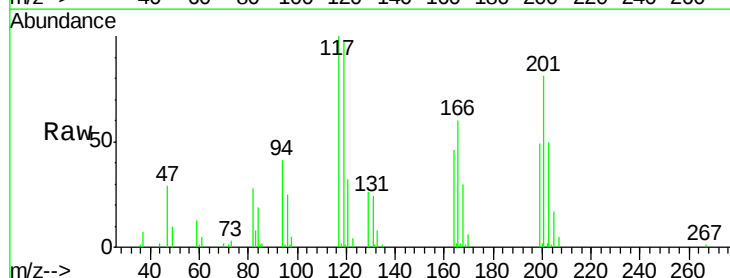
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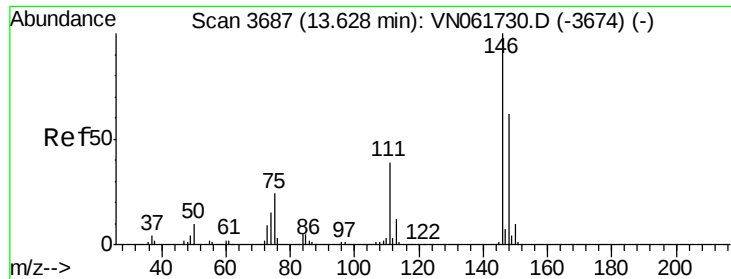
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#86
Hexachloroethane
Concen: 14.249 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.5





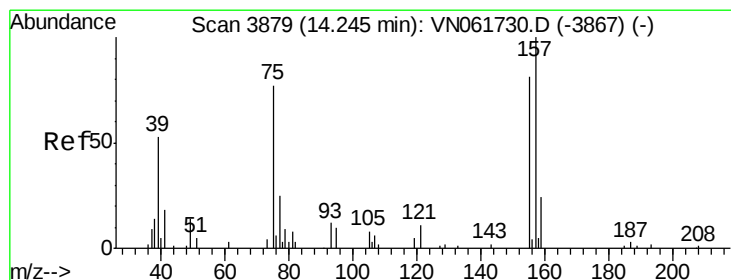
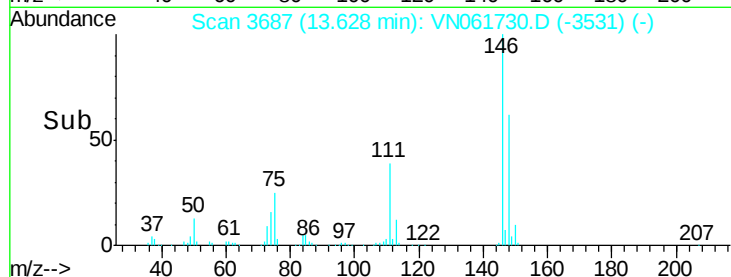
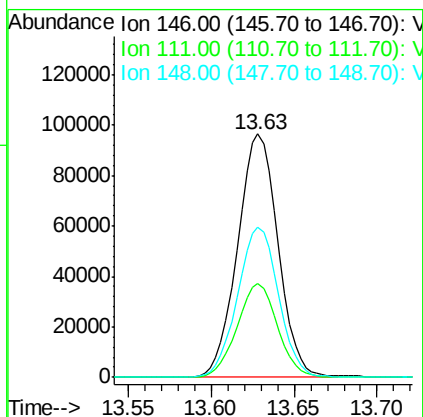
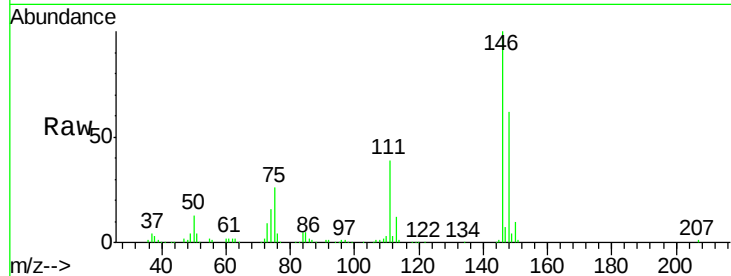
#87
 1,2-Dichlorobenzene
 Concen: 19.392 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	62.7	31.4	94.0

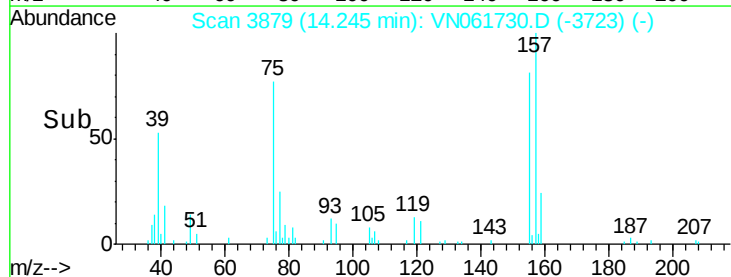
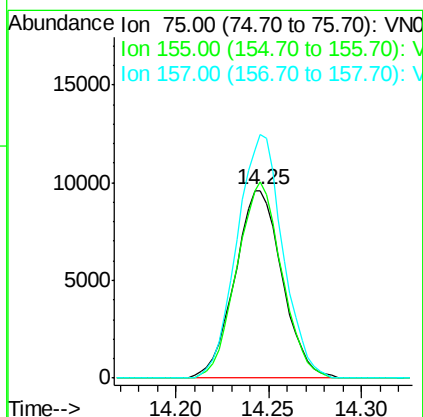
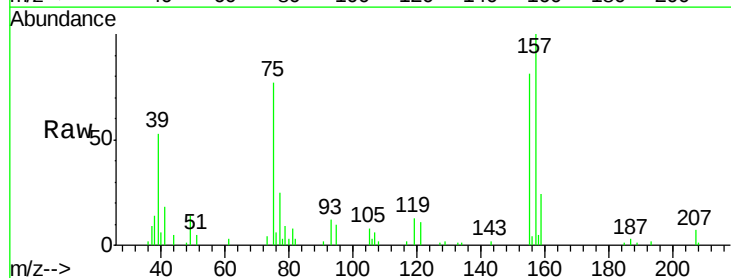
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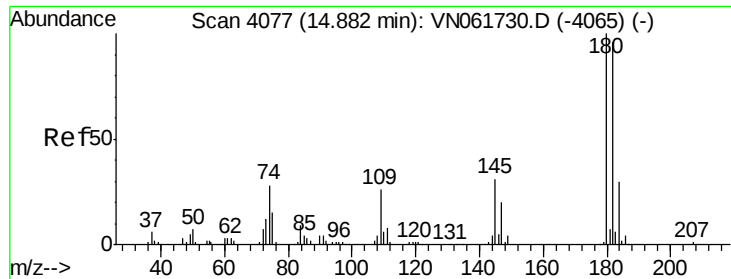
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.634 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	79.6	119.4
157	126.0	100.8	151.2





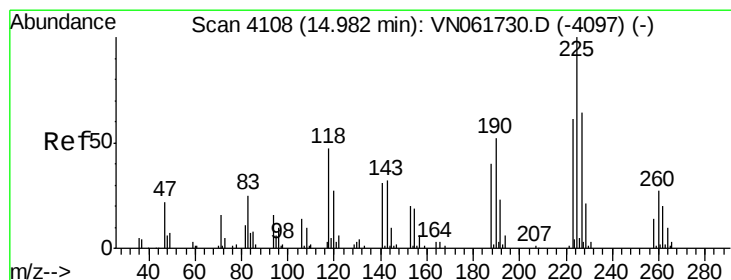
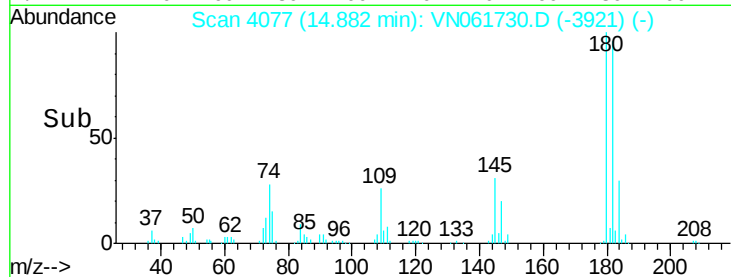
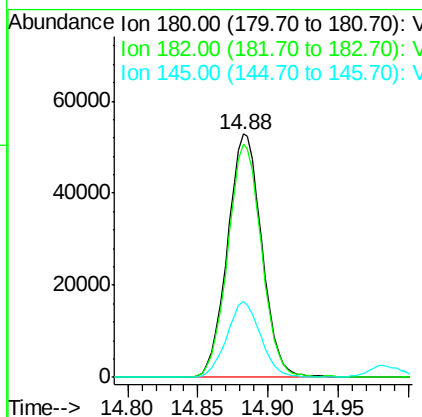
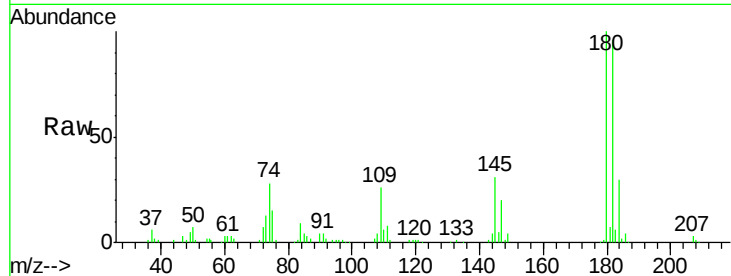
#89
 1,2,4-Trichlorobenzene
 Concen: 18.675 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	30.6	24.5	36.7

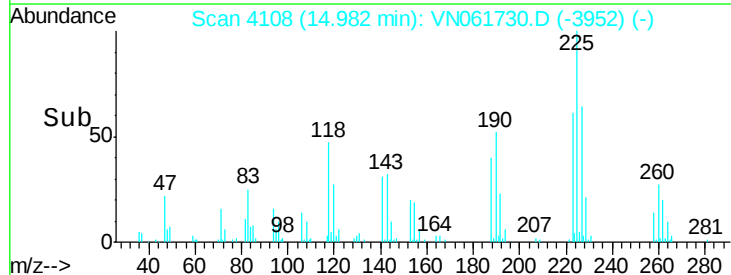
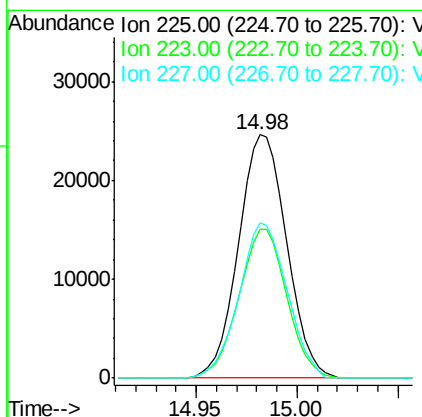
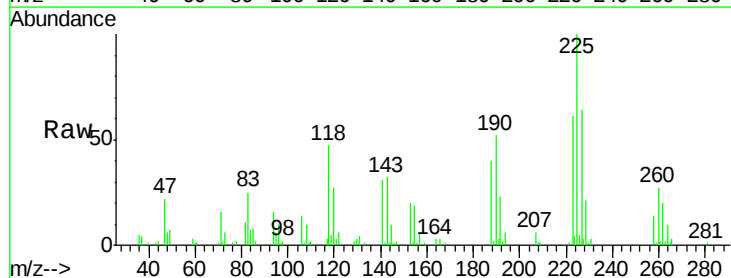
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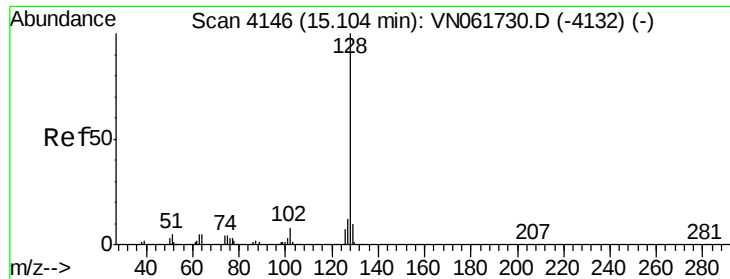
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#90
 Hexachlorobutadiene
 Concen: 20.503 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	0.0	121.6
227	63.4	0.0	126.8





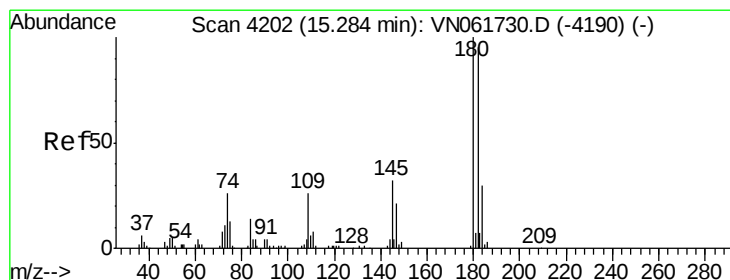
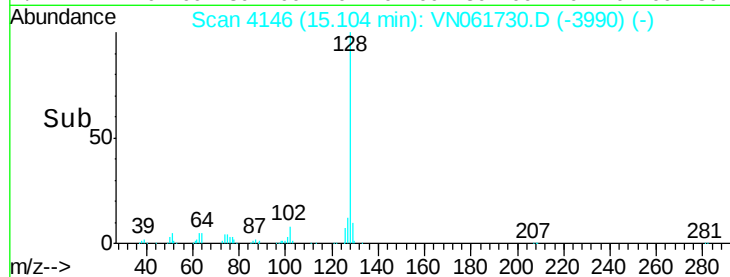
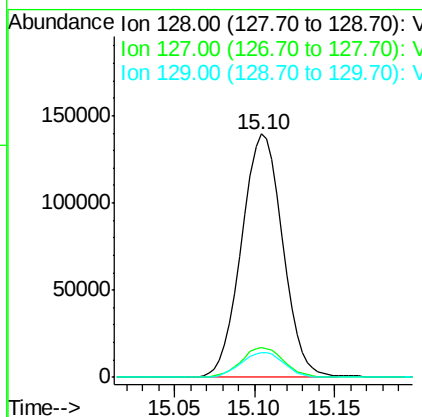
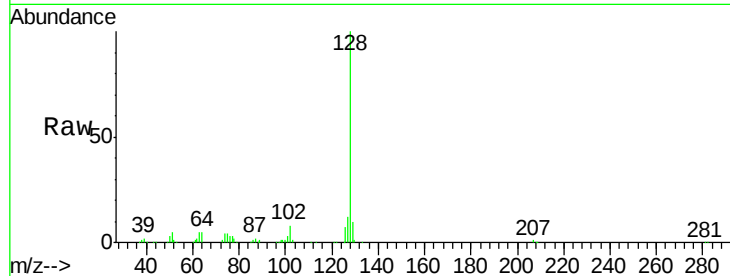
#91
Naphthalene
Concen: 16.607 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	128	Resp:	245692
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.179 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion:	180	Resp:	90162
Ion Ratio	Lower	Upper	
180	100		
182	95.5	0.0	191.0
145	32.3	0.0	64.6

