

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055724.D
 Acq On : 22 May 2019 17:22
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:30:56 PM

Quant Time: May 23 05:45:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:31:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	310340	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269720	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	111817	25.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.90%
60) 4-Bromofluorobenzene	12.40	95	124488	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	376273	29.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49607	16.609	ug/l 100
3) Chloromethane	2.06	50	72647	17.205	ug/l 100
4) Vinyl Chloride	2.18	62	73674	20.657	ug/l 100
5) Bromomethane	2.55	94	45799	22.535	ug/l 100
6) Chloroethane	2.69	64	43749	21.671	ug/l 100
7) Trichlorofluoromethane	3.01	101	90808	17.875	ug/l 100
8) Diethyl Ether	3.40	74	40170	19.043	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57973	17.944	ug/l 100
10) 1,1-Dichloroethene	3.73	96	60680	19.703	ug/l 100
11) Methyl Iodide	3.94	142	84510	17.766	ug/l 100
12) Methyl Acetate	4.33	43	73071	16.982	ug/l 100
13) Acrolein	3.60	56	49173	188.593	ug/l 100
14) Acrylonitrile	4.99	53	171087	106.501	ug/l 100
15) Acetone	3.82	58	55235	133.897	ug/l 100
16) Carbon Disulfide	4.04	76	173690	20.363	ug/l 100
17) Allyl chloride	4.32	41	108516	16.768	ug/l 100
18) Methylene Chloride	4.55	84	69443	18.520	ug/l 100
19) trans-1,2-Dichloroethene	5.03	96	65773	19.658	ug/l 100
20) Diisopropyl ether	5.95	45	209888	16.287	ug/l 100
21) 1,1-Dichloroethane	5.85	63	120213	17.623	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	75837	19.444	ug/l 100
23) tert-Butyl Alcohol	4.81	59	74838	167.571	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	206342	20.352	ug/l 100
25) Chloroform	7.37	83	118282	18.293	ug/l 100
26) Cyclohexane	7.65	56	109686	18.198	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	87428	18.169	ug/l 100
30) 2-Butanone	6.84	43	238582	116.074	ug/l 100
31) 2,2-Dichloropropane	6.82	77	104792	22.009	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	104367	19.286	ug/l 100
33) Carbon Tetrachloride	7.77	117	93717	20.354	ug/l 100
34) Benzene	8.04	78	270872	18.723	ug/l 100
35) Methacrylonitrile	7.17	41	42438	19.314	ug/l 100
36) 1,2-Dichloroethane	8.12	62	88885	17.526	ug/l 100
37) Trichloroethene	8.83	130	75389	20.235	ug/l 100
38) Methylcyclohexane	9.08	83	108820	20.470	ug/l 100
39) 1,2-Dichloropropane	9.12	63	72977	17.867	ug/l 100
40) Dibromomethane	9.21	93	46389	19.320	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	96390	19.461	ug/l	100
42) Vinyl Acetate	5.90	43	919026	96.730	ug/l	100
43) Ethyl Acetate	6.93	43	93812	22.126	ug/l #	100
44) Isopropyl Acetate	8.17	43	151147	20.023	ug/l	100
45) 1,4-Dioxane	9.20	88	28509	630.442	ug/l	100
46) Methyl methacrylate	9.20	41	71184	19.979	ug/l	100
47) n-amyl Acetate	12.07	43	125822	22.268	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	104571	20.897	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	115983	20.257	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	68587	20.580	ug/l	100
51) Ethyl methacrylate	10.43	69	109826	23.024	ug/l	100
52) 1,3-Dichloropropane	10.71	76	113928	19.473	ug/l	100
53) Dibromochloromethane	10.90	129	79410	22.273	ug/l	100
54) 1,2-Dibromoethane	11.00	107	70399	21.337	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	209154	136.702	ug/l	100
56) Bromoform	12.13	173	65857	26.606	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	461690	107.880	ug/l	100
59) 2-Hexanone	10.75	43	326778	116.566	ug/l	100
61) Tetrachloroethene	10.63	164	76216	21.662	ug/l	100
62) Toluene	10.16	91	297183	19.622	ug/l	100
64) Chlorobenzene	11.43	112	178805	19.828	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72401	21.115	ug/l	100
66) Ethyl Benzene	11.51	91	323583	19.918	ug/l	100
67) m/p-Xylenes	11.62	106	246356	41.292	ug/l	100
68) o-Xylene	11.95	106	122596	20.681	ug/l	100
69) Styrene	11.96	104	196535	21.000	ug/l	100
70) Isopropylbenzene	12.25	105	319003	20.449	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	99416	22.434	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	87167m	22.512	ug/l	
73) Bromobenzene	12.53	156	82871	21.793	ug/l	100
74) n-propylbenzene	12.59	91	338316	19.554	ug/l	100
75) 2-Chlorotoluene	12.67	91	210126	19.787	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	264205	20.528	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	32048	28.139	ug/l	100
78) 4-Chlorotoluene	12.77	91	193709	19.241	ug/l	100
79) tert-butylbenzene	12.99	119	234796	21.090	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	259362	20.879	ug/l	100
81) sec-Butylbenzene	13.17	105	293975	20.170	ug/l	100
82) p-Isopropyltoluene	13.29	119	268349	21.685	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	128184	20.877	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	119554	20.643	ug/l	100
85) n-Butylbenzene	13.61	91	198198	20.805	ug/l	100
86) Hexachloroethane	13.87	117	53175	24.149	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	131094	21.321	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18446	26.447	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	60839	23.323	ug/l	100
90) Hexachlorobutadiene	15.01	225	53504	24.853	ug/l	100
91) Naphthalene	15.13	128	170353	26.711	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	68115	24.816	ug/l	100

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Manual Integrations
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QLast Update : Thu May 23 05:31:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

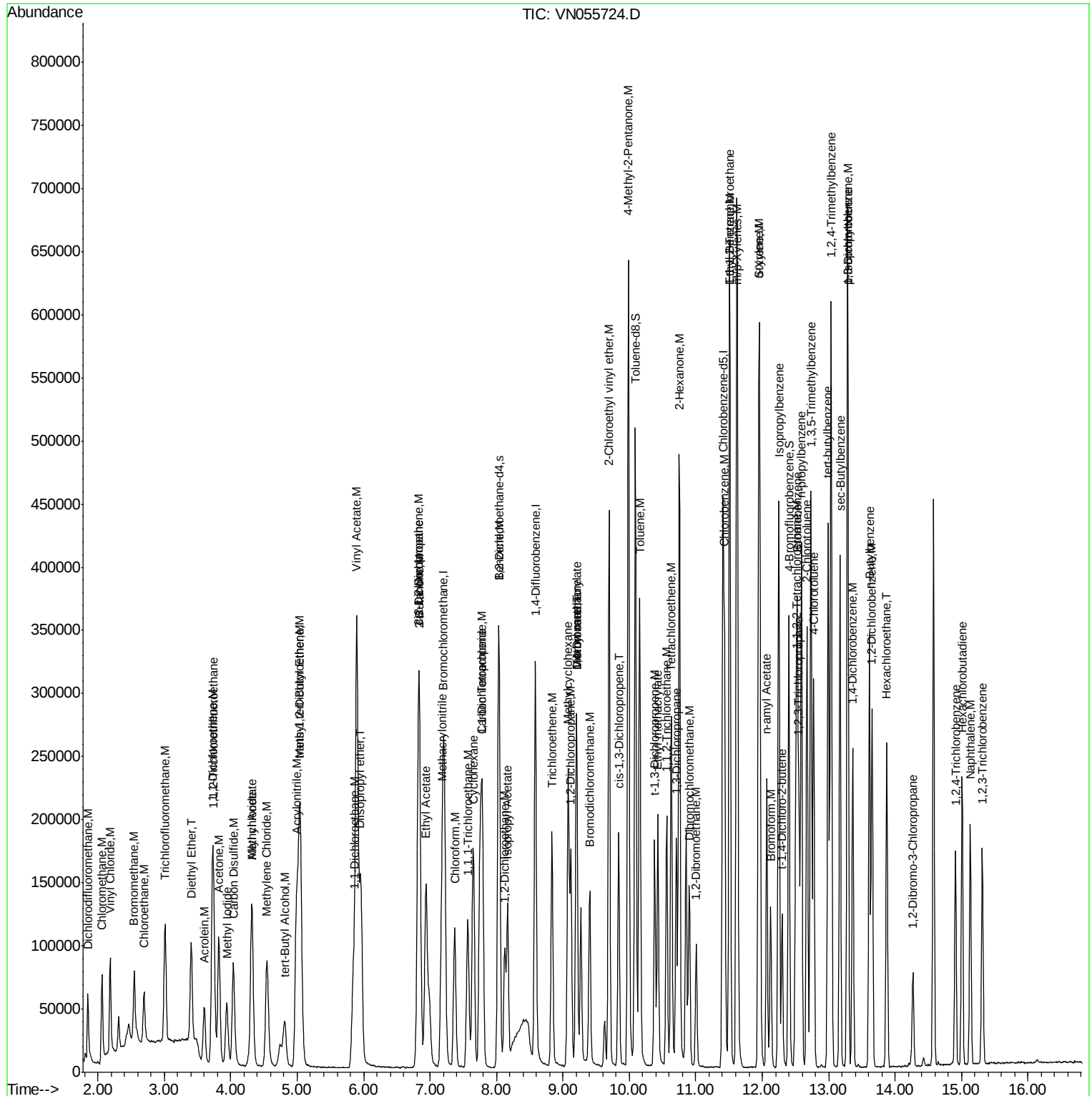
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
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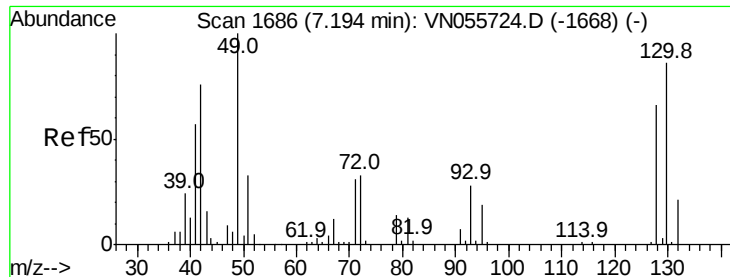
Instrument :
 MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 56933

Ion Ratio Lower Upper

128 100

49 153.3 0.0 383.2

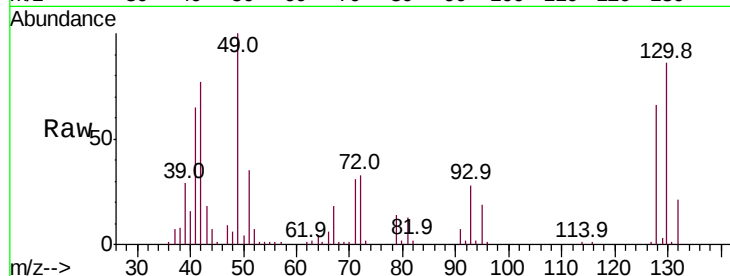
130 130.5 0.0 326.3

Manual Integrations

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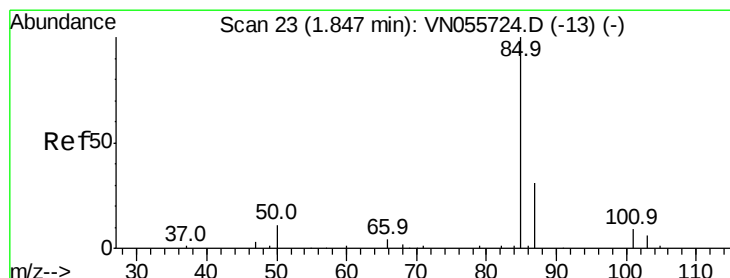
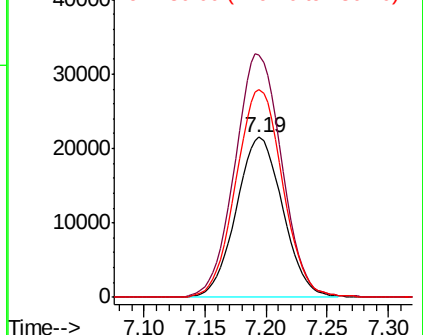
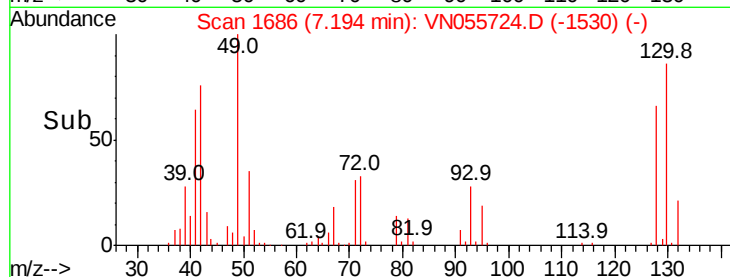
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.609 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055724.D

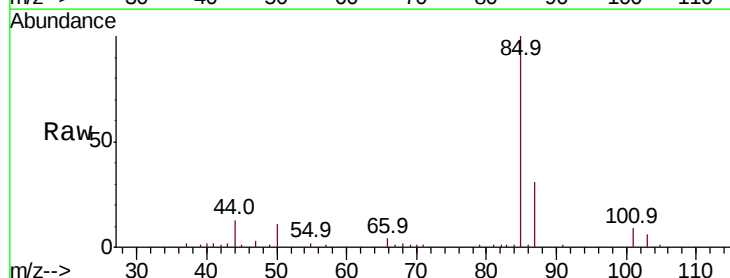
Acq: 22 May 2019 17:22

Tgt Ion: 85 Resp: 49607

Ion Ratio Lower Upper

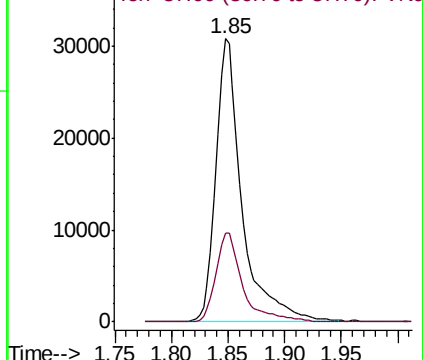
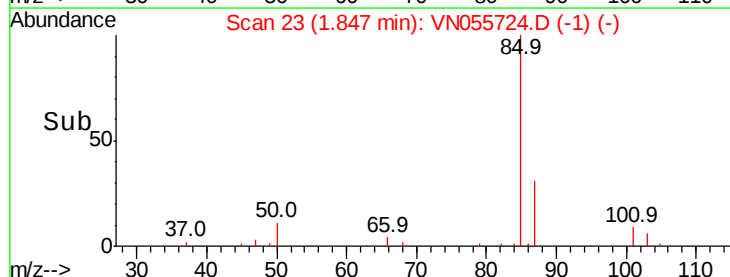
85 100

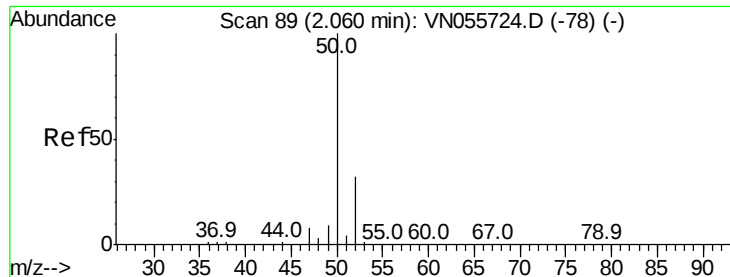
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.205 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 72647

Ion Ratio Lower Upper

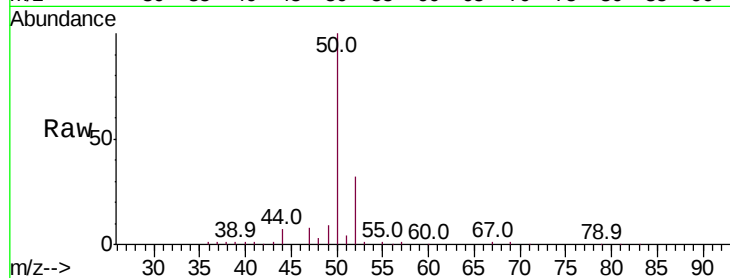
50 100

52 31.8 25.4 38.2

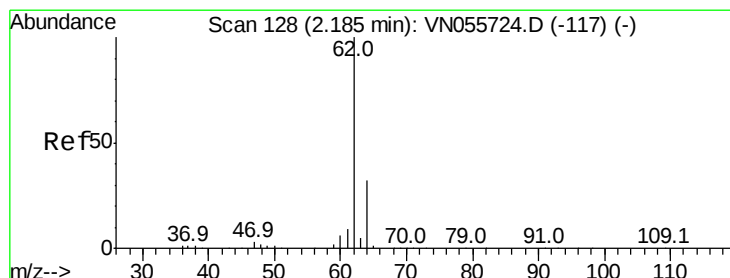
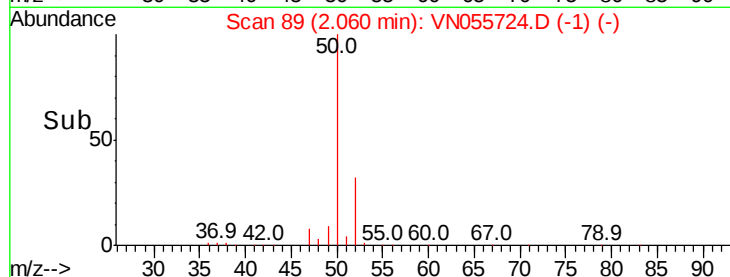
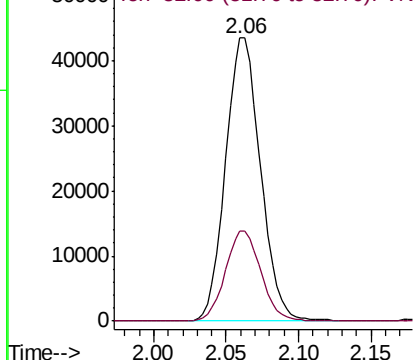
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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.657 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055724.D

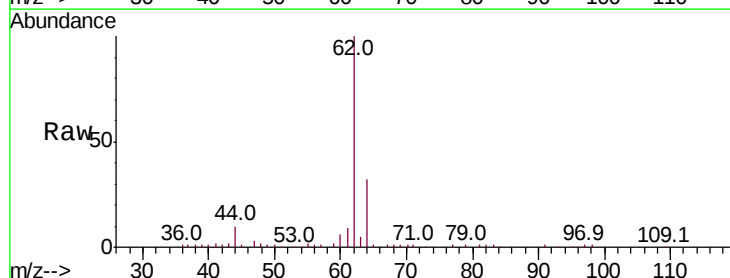
Acq: 22 May 2019 17:22

Tgt Ion: 62 Resp: 73674

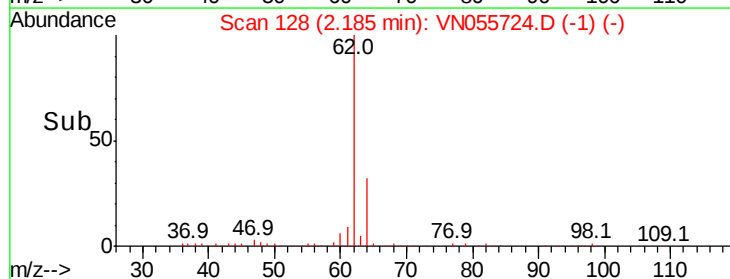
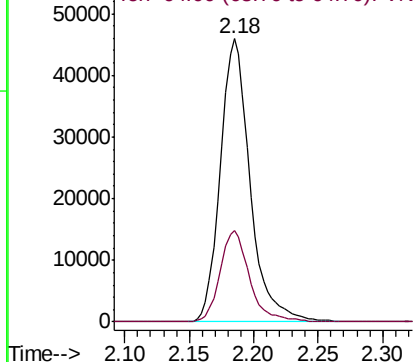
Ion Ratio Lower Upper

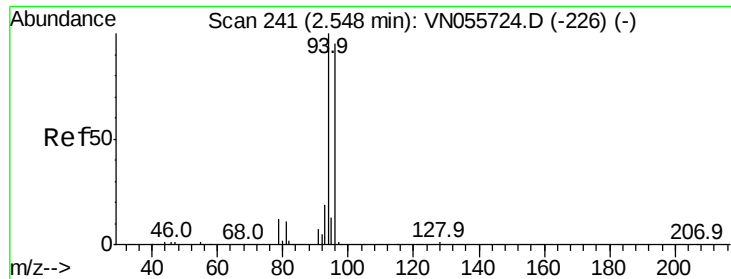
62 100

64 32.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





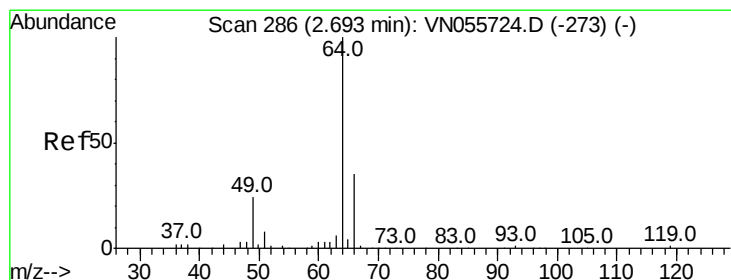
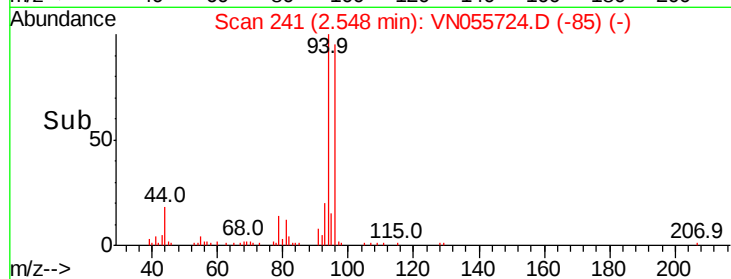
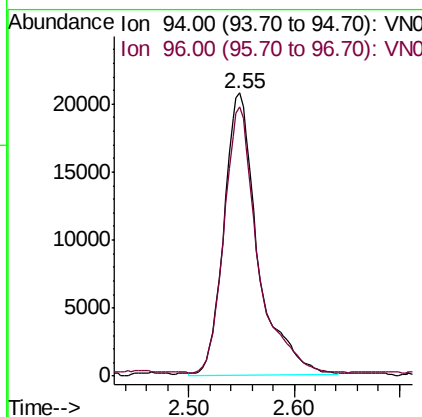
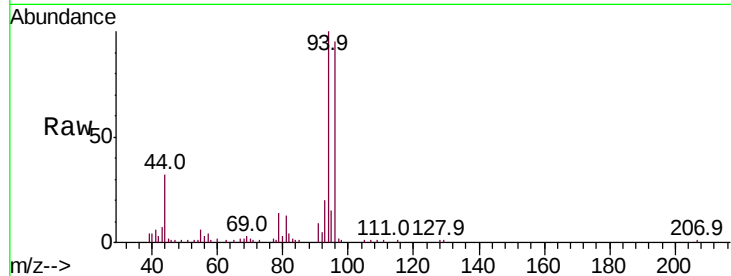
#5
Bromomethane
Concen: 22.535 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
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Tot Ion	94	Resp	45799
Ion Ratio	100	Lower	Upper
96	94.8	75.8	113.8

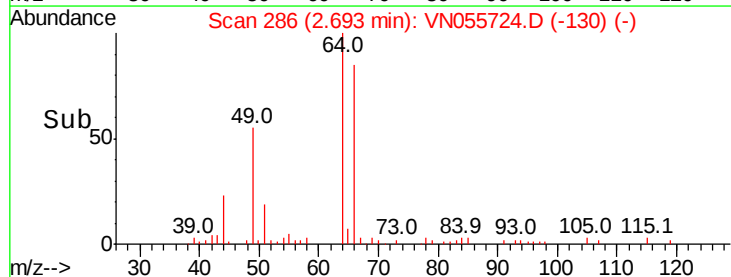
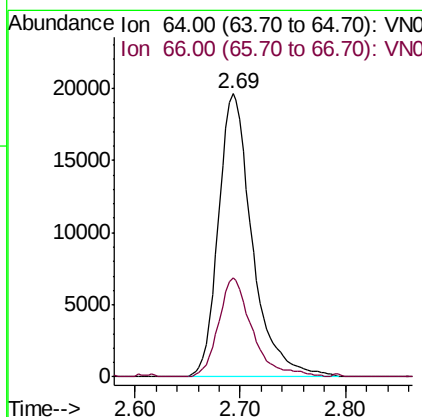
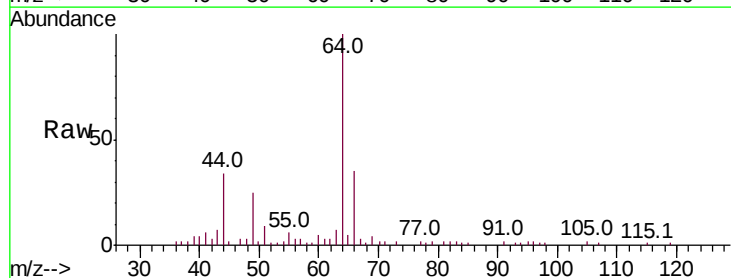
Manual Integrations
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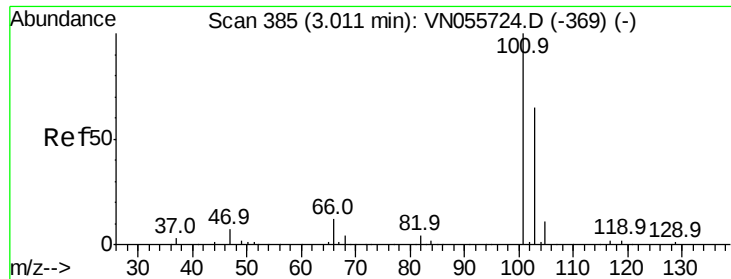
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#6
Chloroethane
Concen: 21.671 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	64	Resp	43749
Ion Ratio	100	Lower	Upper
66	34.9	27.9	41.9





#7

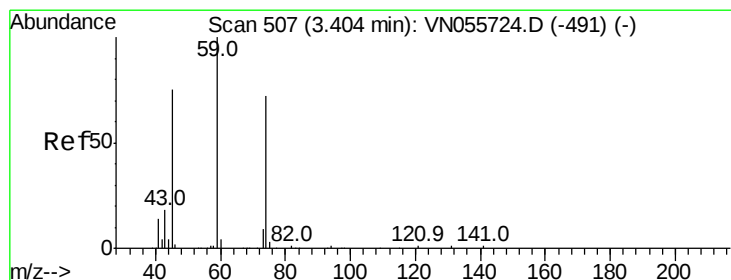
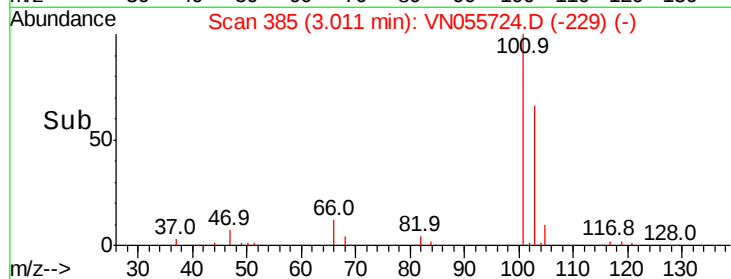
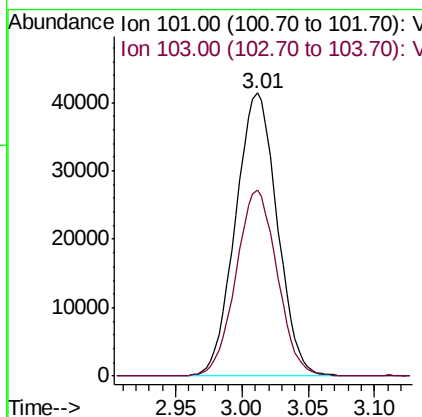
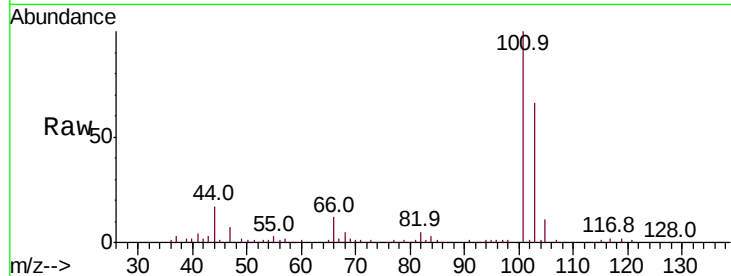
Trichlorofluoromethane
 Concen: 17.875 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

Manual Integrations
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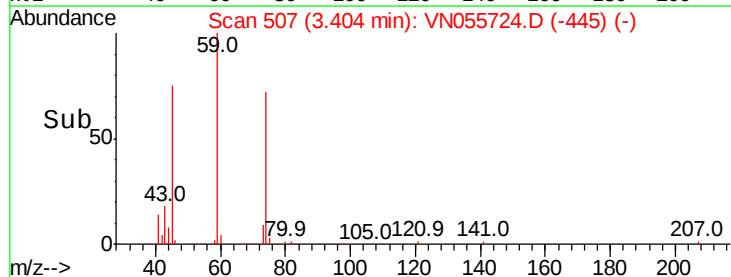
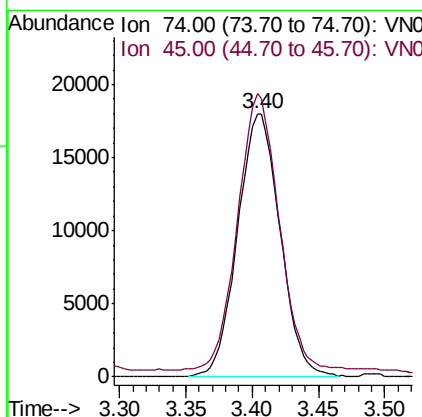
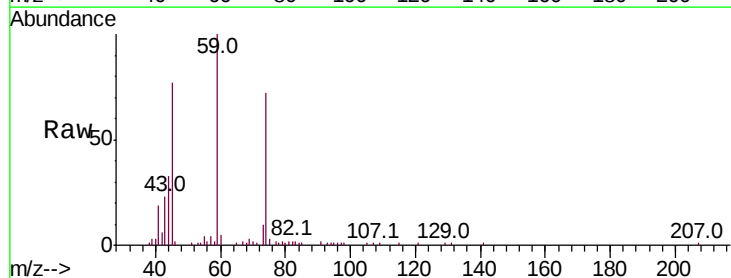
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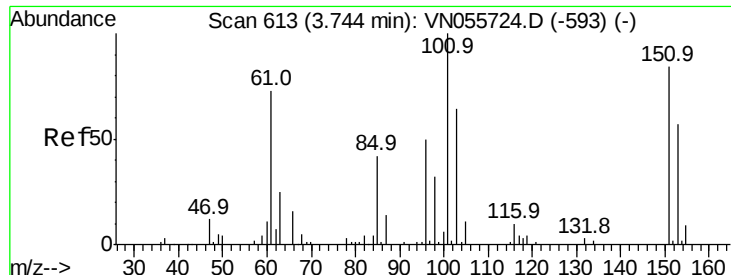


#8

Diethyl Ether
 Concen: 19.043 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055724.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	20.4	184.0





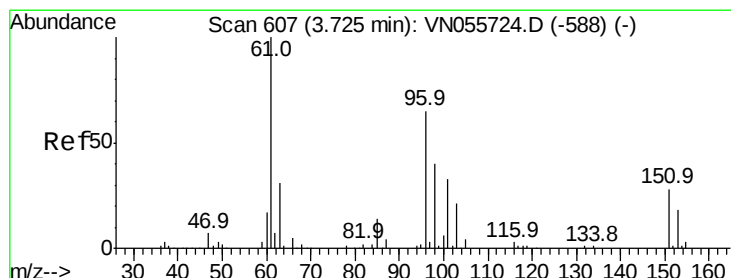
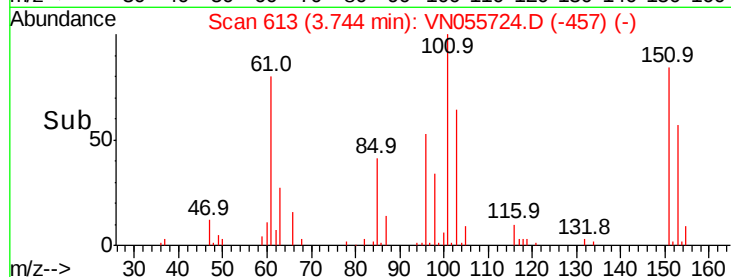
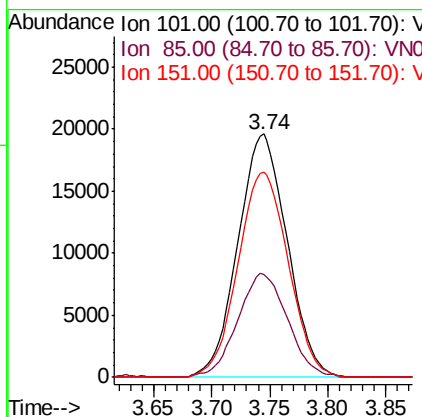
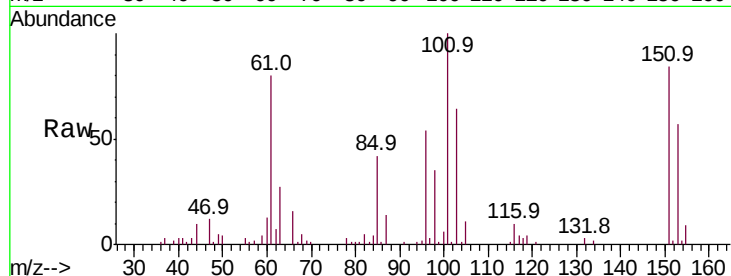
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.944 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	0.0	86.6
151	86.1	0.0	172.2

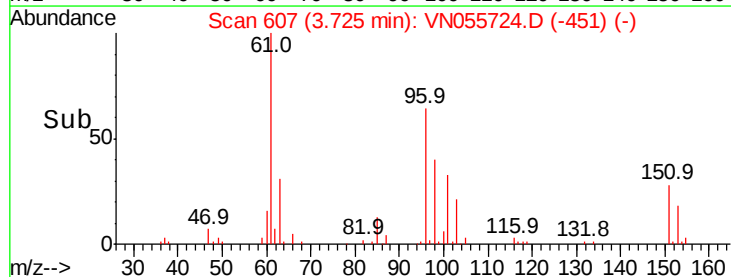
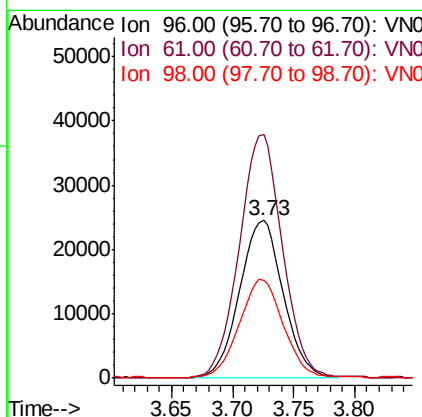
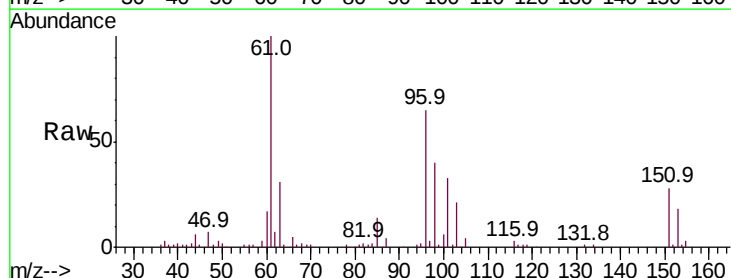
Manual Integrations
 APPROVED

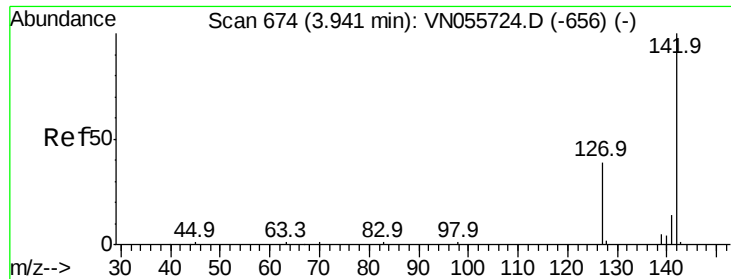
MMDadoda
 5/23/2019 12:30:56 PM



#10
 1,1-Dichloroethene
 Concen: 19.703 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	123.7	185.5
98	62.5	50.0	75.0





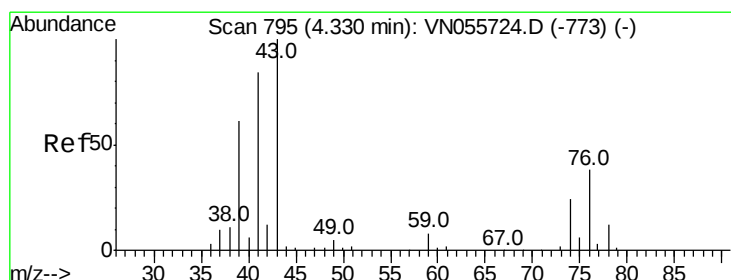
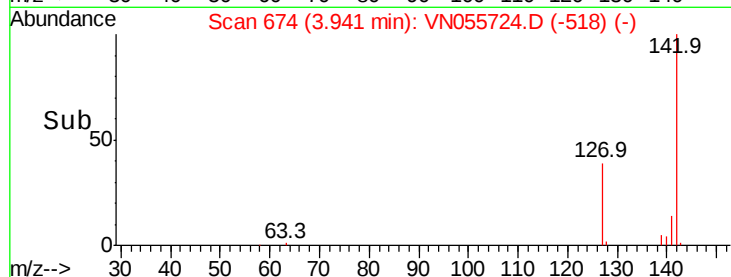
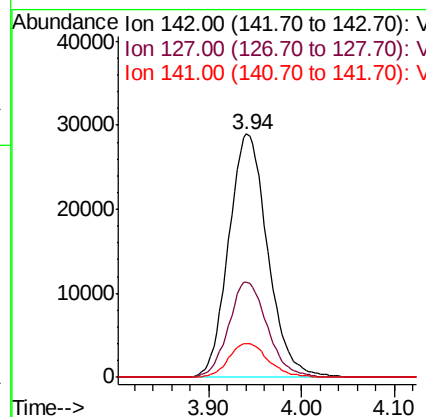
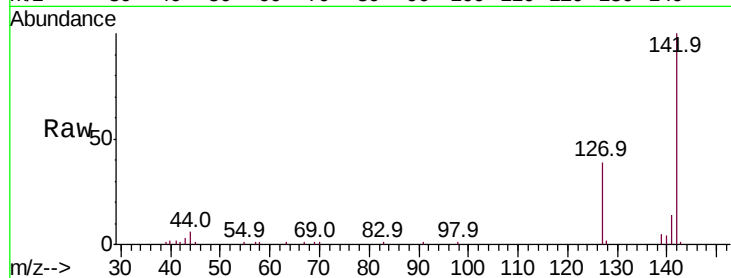
#11
Methyl Iodide
Concen: 17.766 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.6	58.7
141	13.7	6.9	20.6

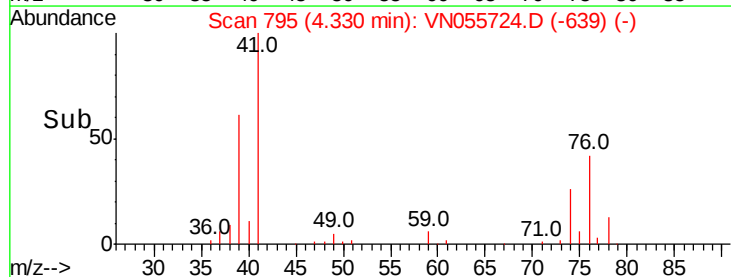
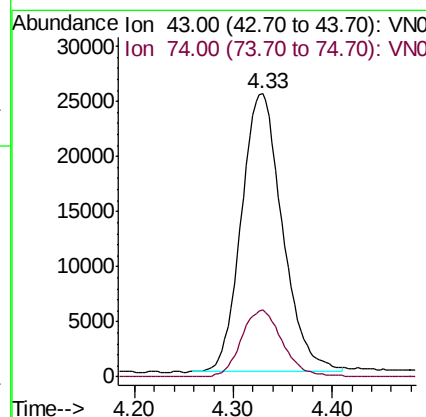
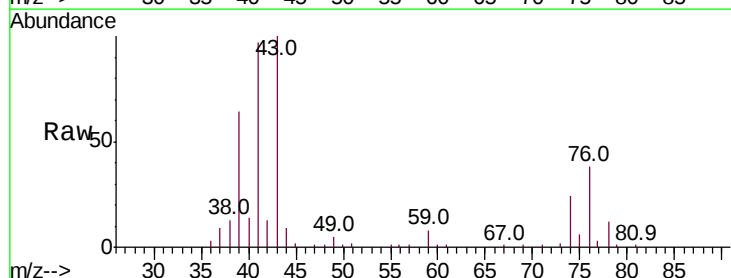
Manual Integrations
APPROVED

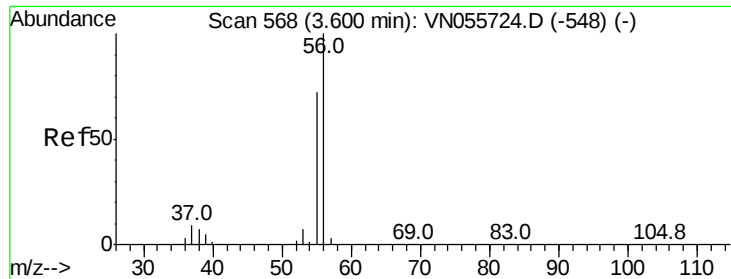
MMDadoda
5/23/2019 12:30:56 PM



#12
Methyl Acetate
Concen: 16.982 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





#13

Acrolein

Concen: 188.593 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 49173

Ion Ratio Lower Upper

56 100

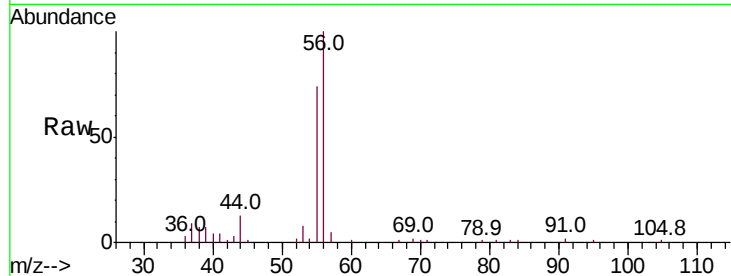
55 71.3 57.0 85.6

Manual Integrations

APPROVED

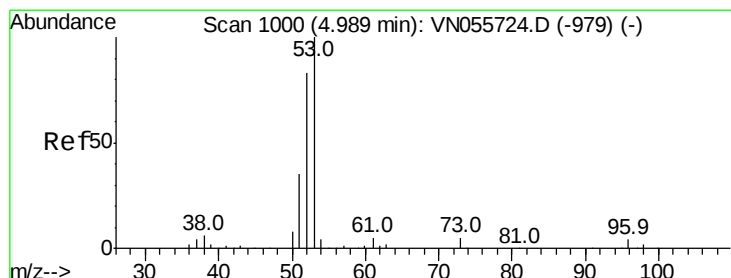
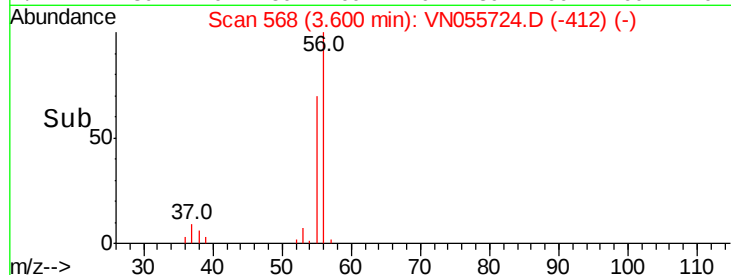
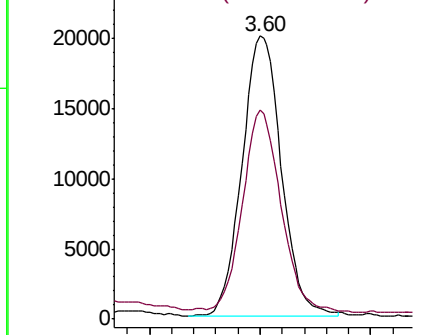
MMDadoda

5/23/2019 12:30:56 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 106.501 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

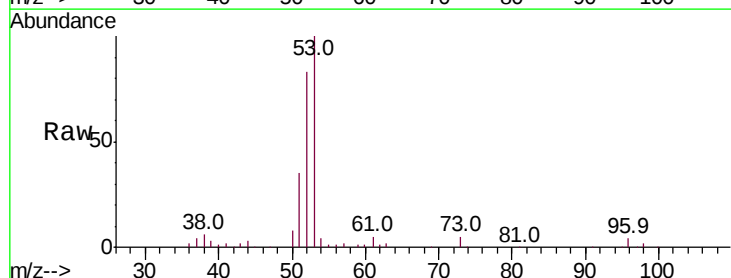
Tgt Ion: 53 Resp: 171087

Ion Ratio Lower Upper

53 100

52 82.3 41.1 123.4

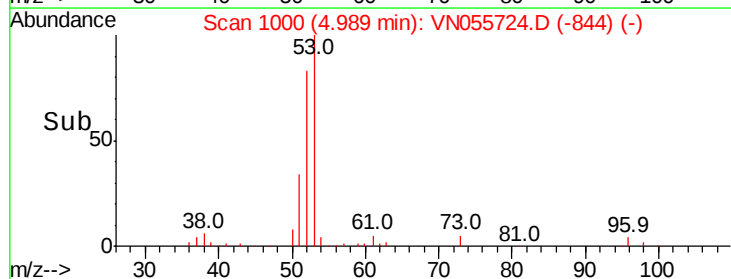
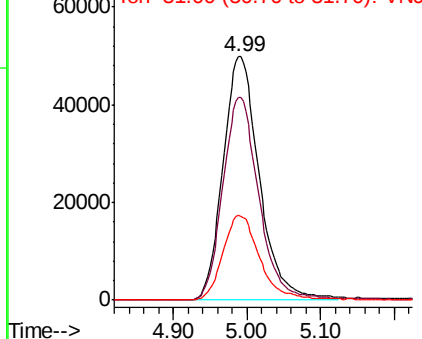
51 35.1 17.5 52.6

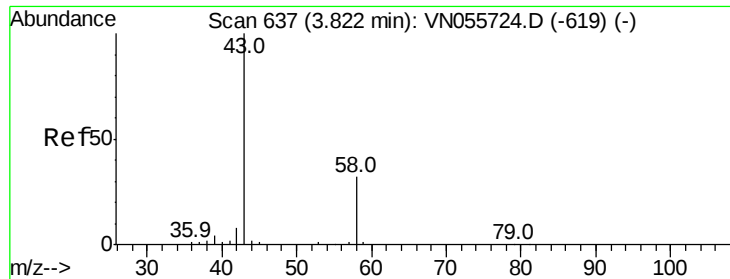


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 133.897 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 55235

Ion Ratio Lower Upper

58 100

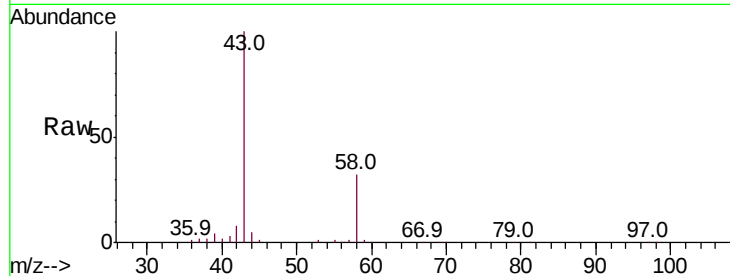
43 311.0 248.8 373.2

Manual Integrations

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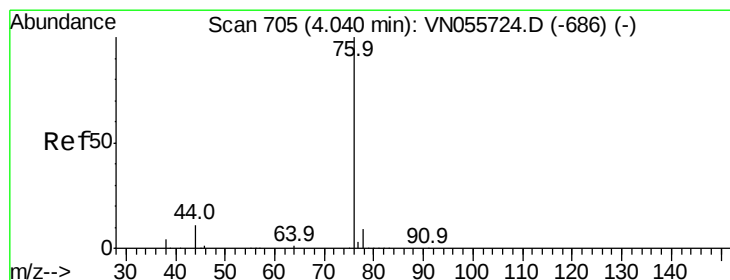
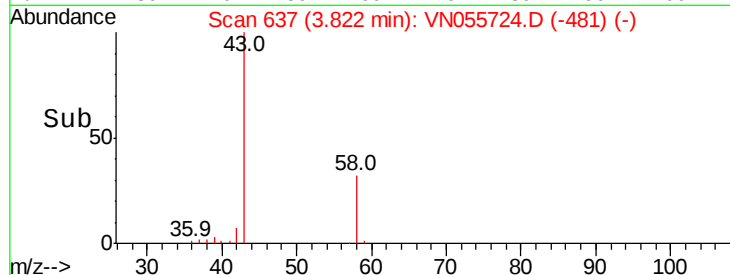
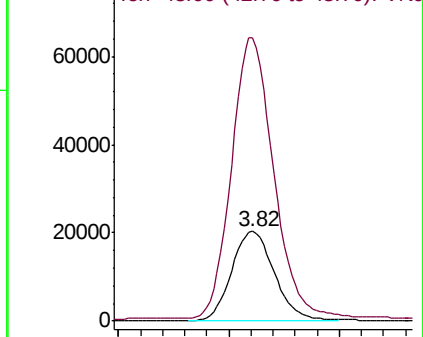
MMDadoda

5/23/2019 12:30:56 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.363 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055724.D

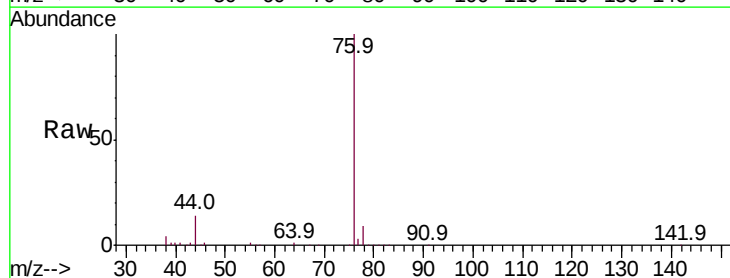
Acq: 22 May 2019 17:22

Tgt Ion: 76 Resp: 173690

Ion Ratio Lower Upper

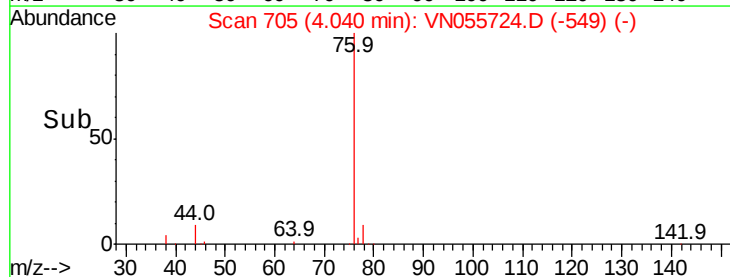
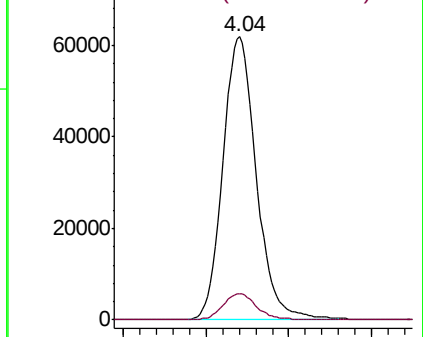
76 100

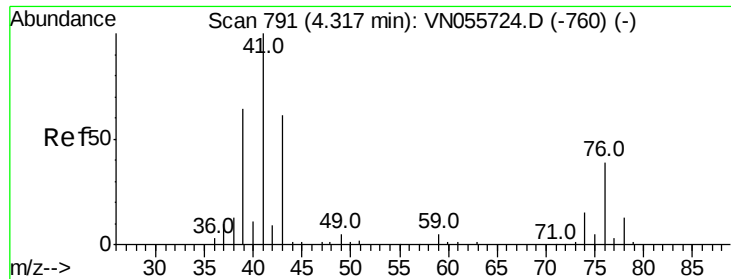
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





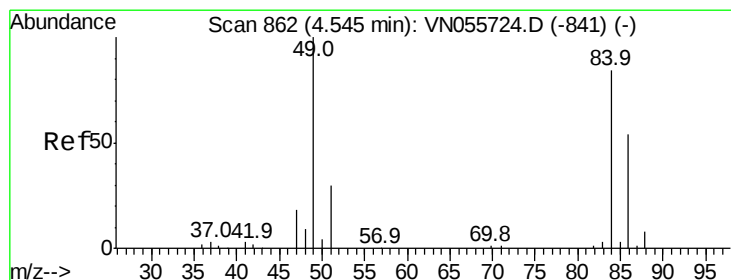
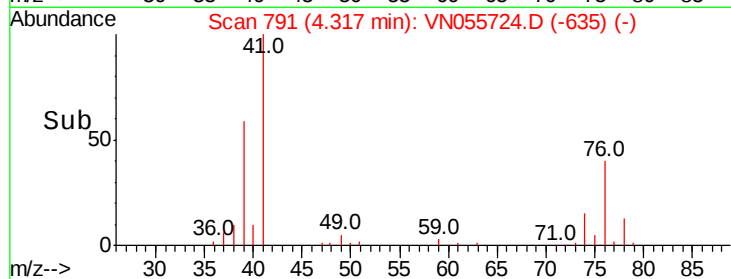
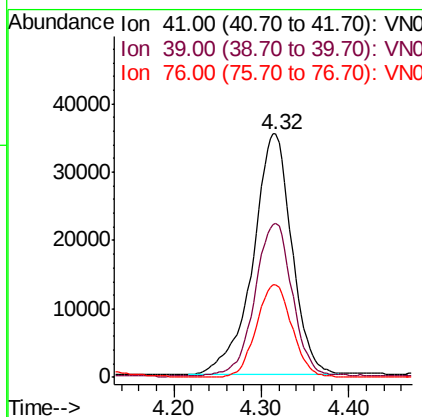
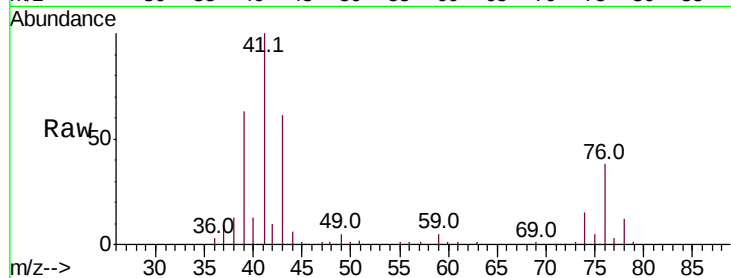
#17
Allvl chloride
Concen: 16.768 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	63.5	31.8	95.3	
76	38.6	19.3	57.9	

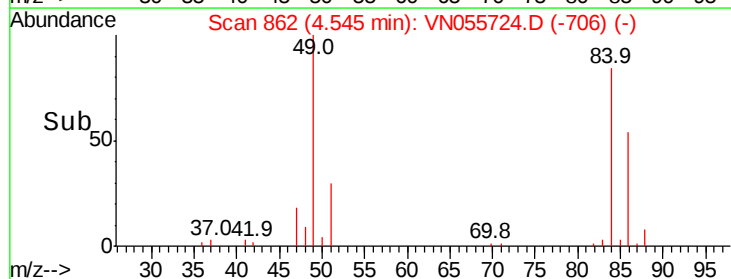
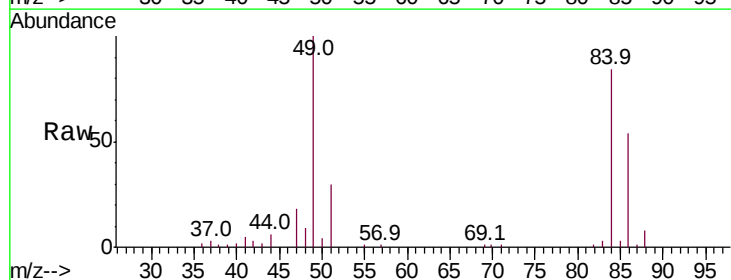
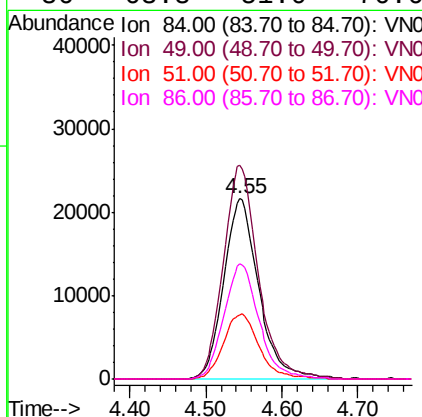
Manual Integrations
APPROVED

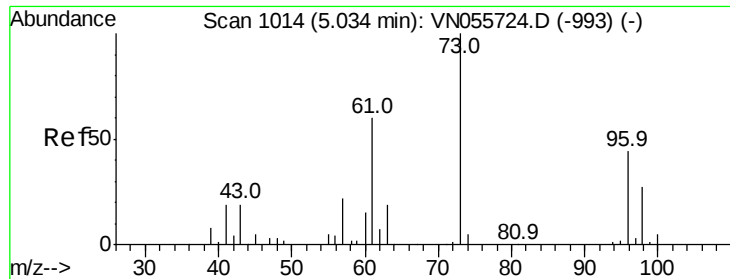
MMDadoda
5/23/2019 12:30:56 PM



#18
Methylene Chloride
Concen: 18.520 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	118.4	94.7	142.1	
51	35.8	28.6	43.0	
86	63.8	51.0	76.6	





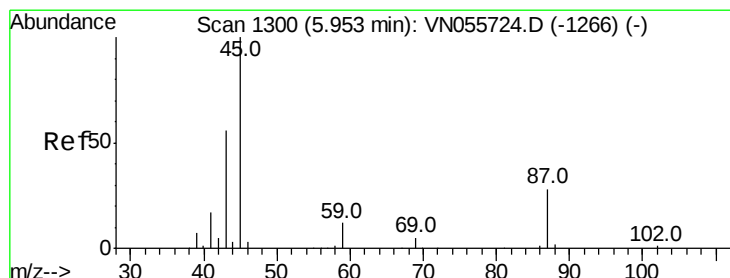
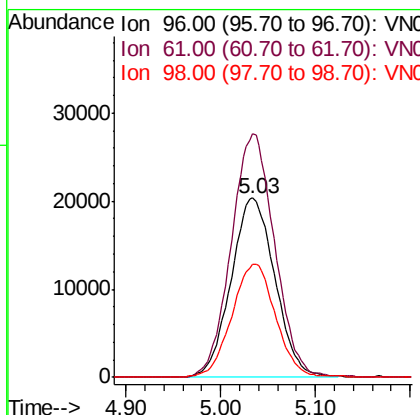
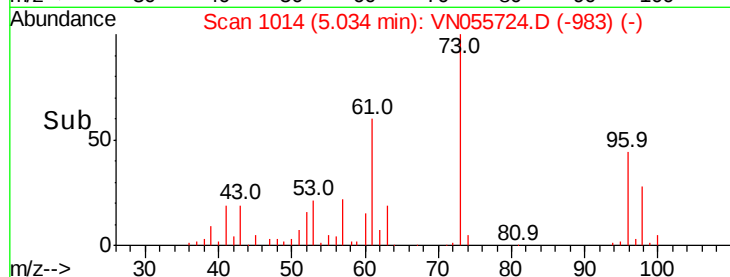
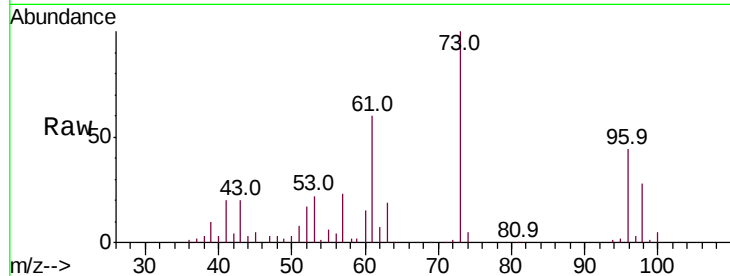
#19
trans-1,2-Dichloroethene
Concen: 19.658 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 65773
Ion Ratio Lower Upper
96 100
61 135.6 108.5 162.7
98 61.8 49.4 74.2

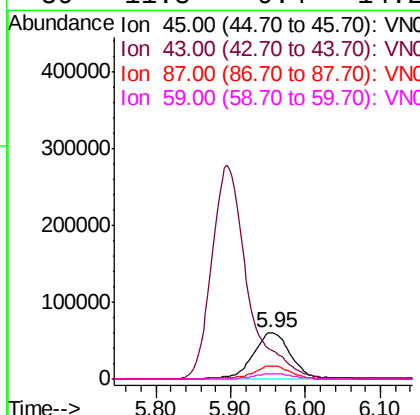
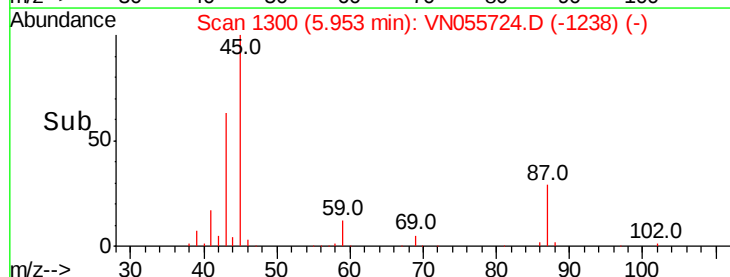
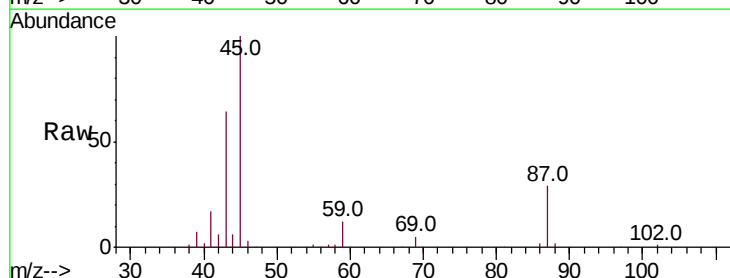
Manual Integrations
APPROVED

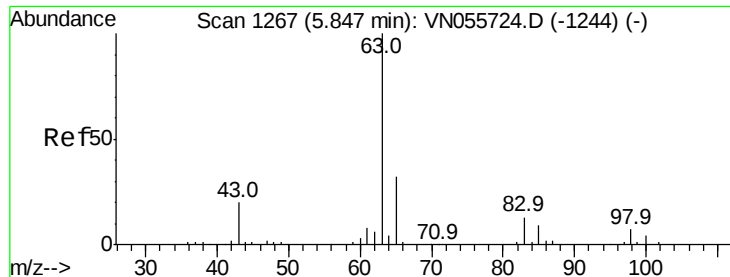
MMDadoda
5/23/2019 12:30:56 PM



#20
Diisopropyl ether
Concen: 16.287 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 45 Resp: 209888
Ion Ratio Lower Upper
45 100
43 60.8 48.6 73.0
87 28.3 22.6 34.0
59 11.8 9.4 14.2





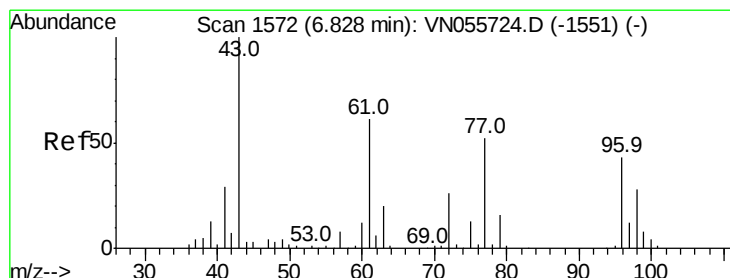
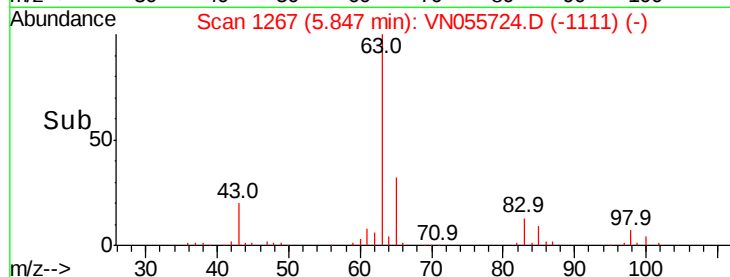
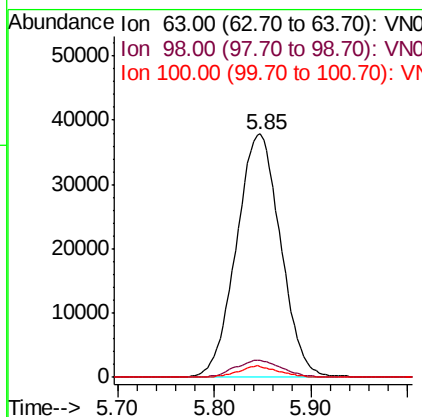
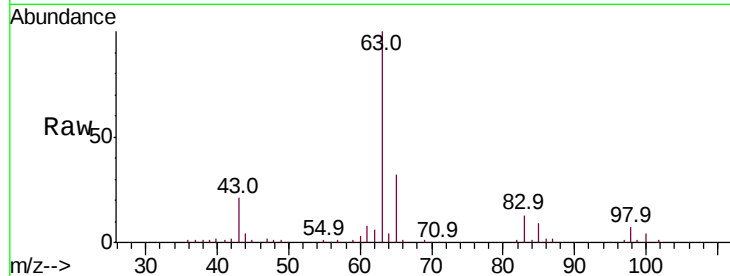
#21
 1,1-Dichloroethane
 Concen: 17.623 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tot Ion	63	Resp	120213
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	4.4	2.2	6.6

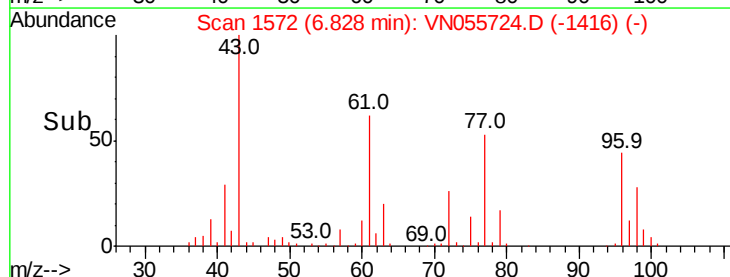
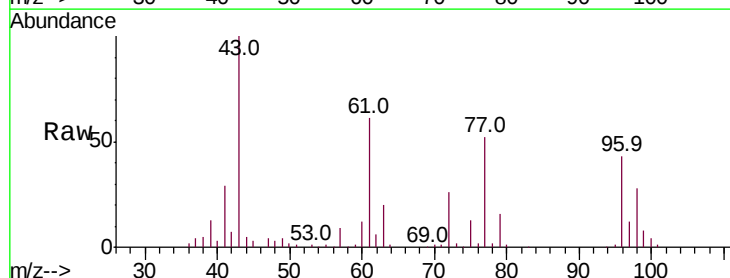
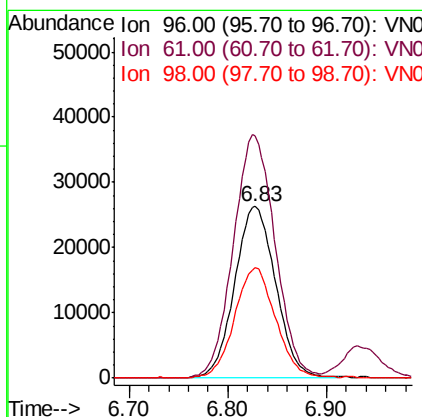
Manual Integrations
 APPROVED

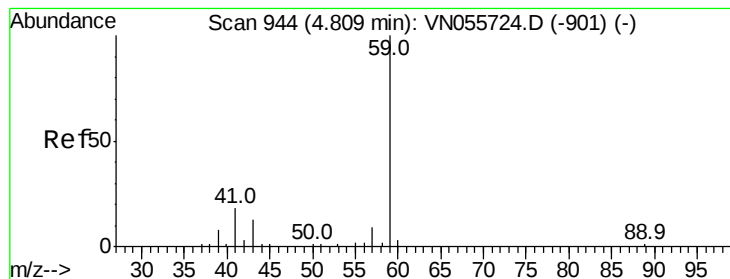
MMDadoda
 5/23/2019 12:30:56 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.444 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	96	Resp	75837
Ion Ratio	Lower	Upper	
96	100		
61	144.6	115.7	173.5
98	64.4	51.5	77.3





#23

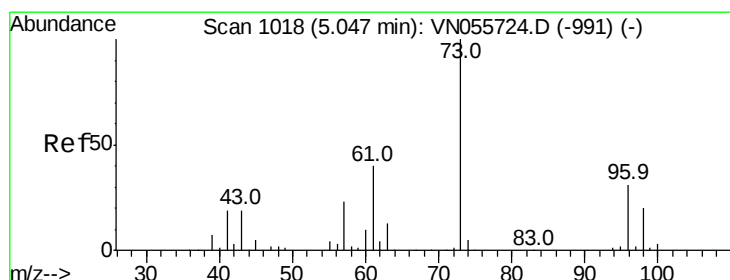
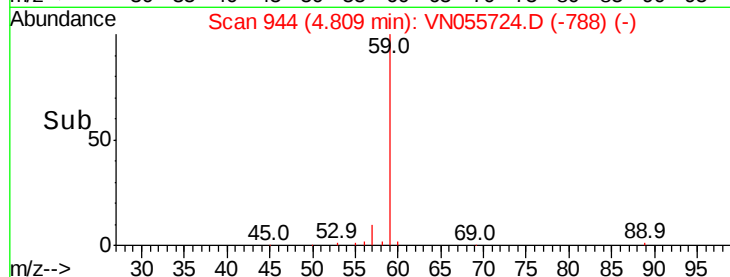
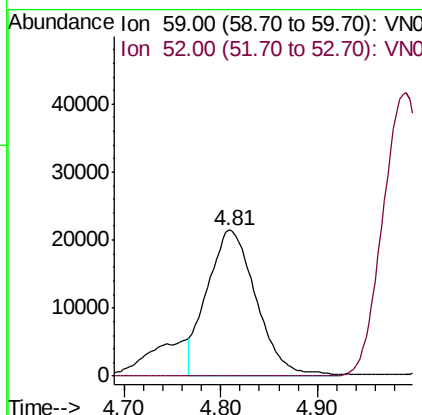
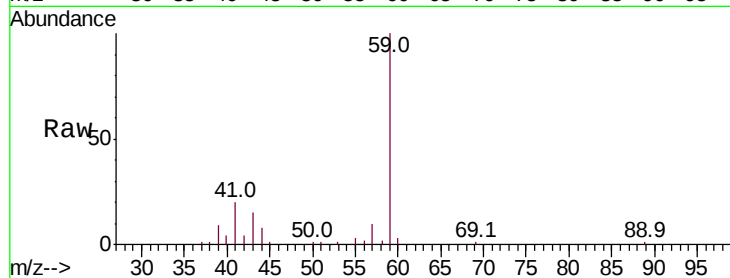
tert-Butyl Alcohol
 Concen: 167.571 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	0.0

Manual Integrations
 APPROVED

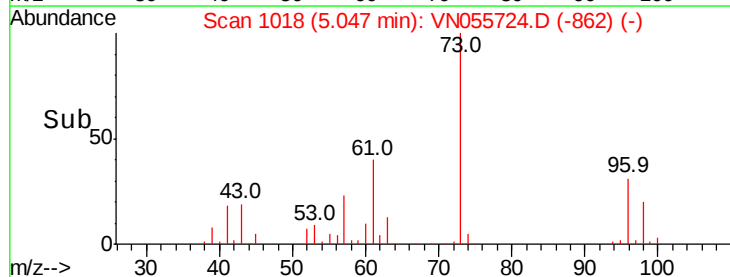
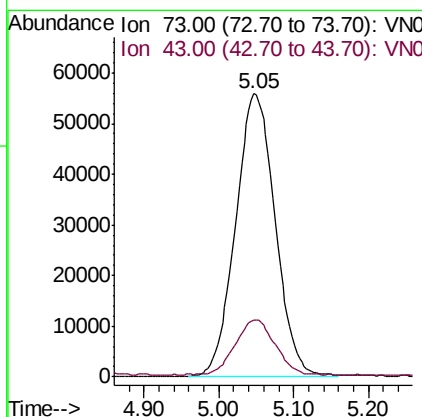
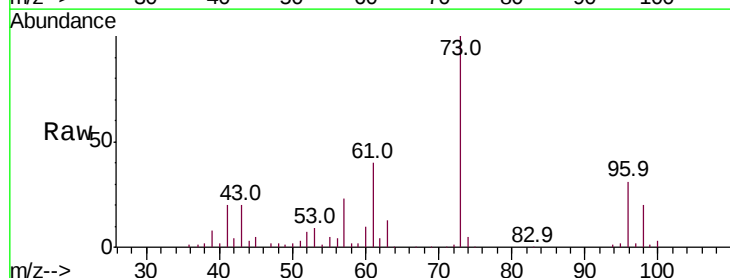
MMDadoda
 5/23/2019 12:30:56 PM

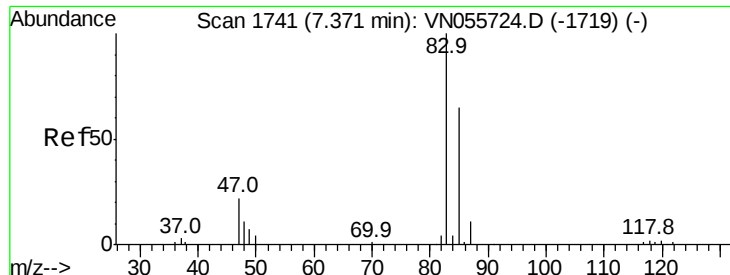


#24

Methyl tert-Butyl Ether
 Concen: 20.352 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	19.6	15.7	23.5	





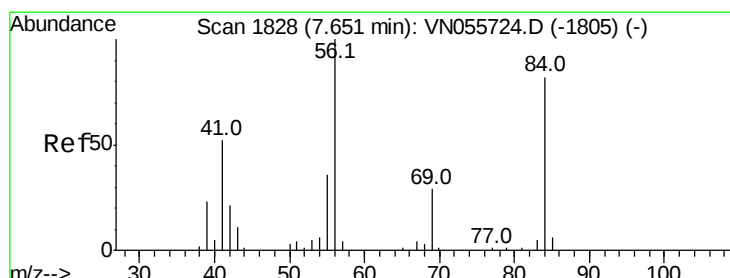
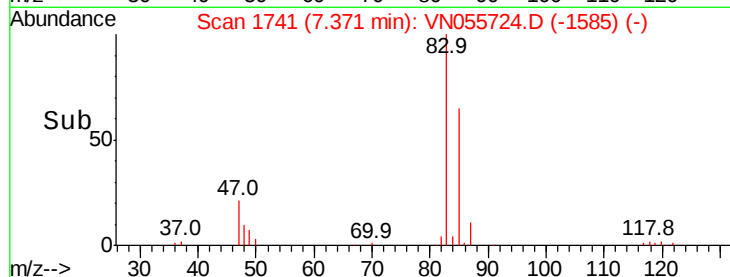
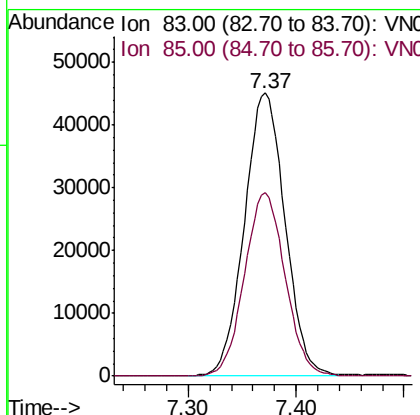
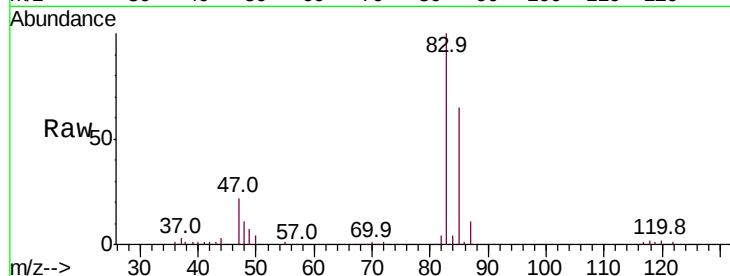
#25
Chloroform
Concen: 18.293 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	118282
Ion Ratio	100	Lower	Upper
85	64.6	51.7	77.5

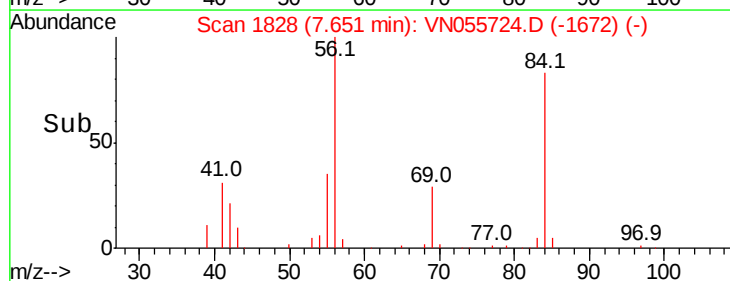
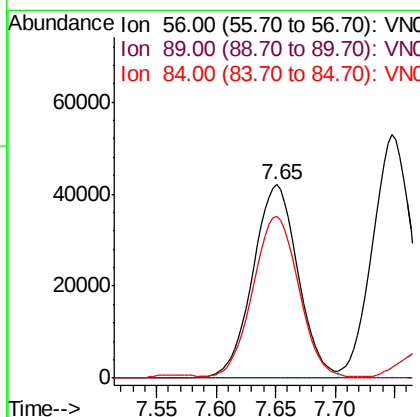
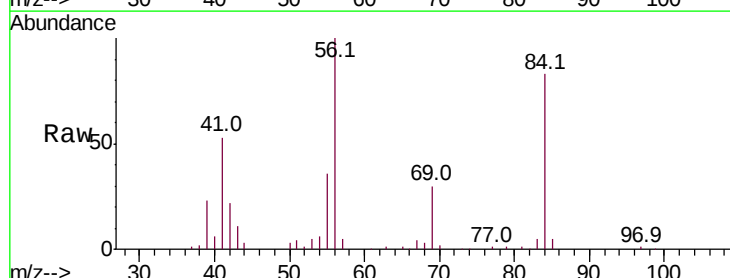
Manual Integrations
APPROVED

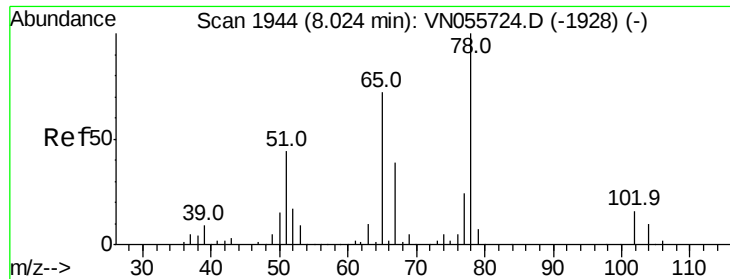
MMDadoda
5/23/2019 12:30:56 PM



#26
Cyclohexane
Concen: 18.198 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	56	Resp	109686
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	84.0	67.2	100.8





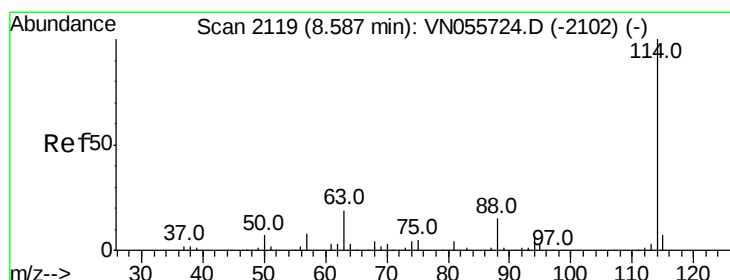
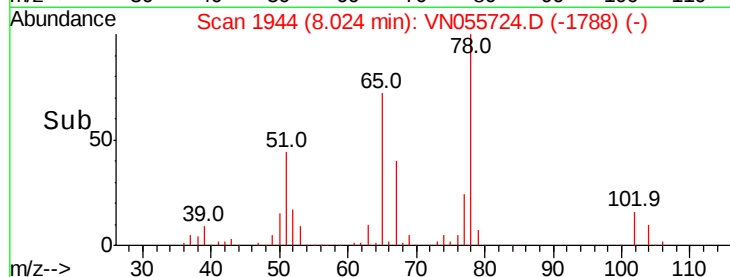
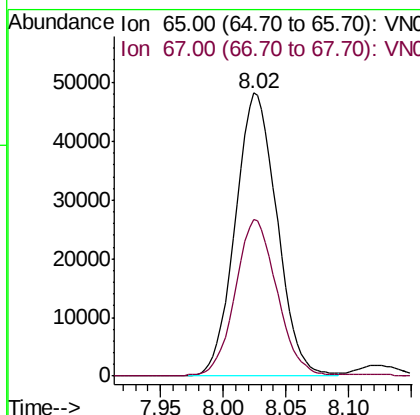
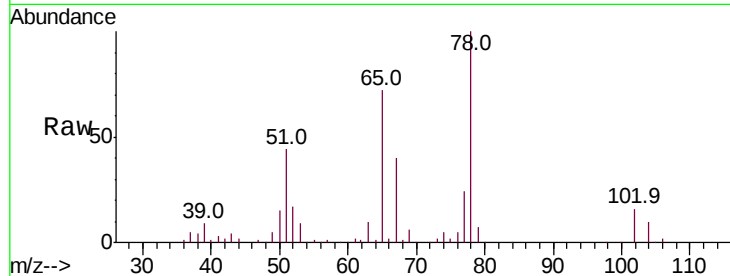
#27
 1,2-Dichloroethane-d4
 Concen: 25.768 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111817		
67	54.4	43.5	65.3	

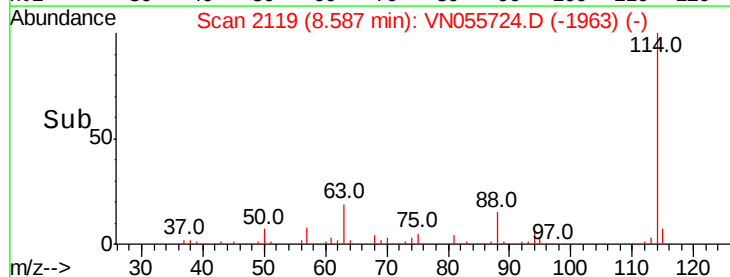
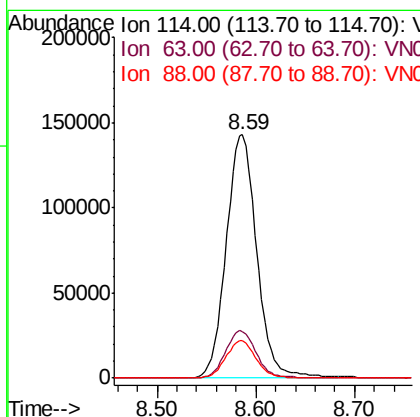
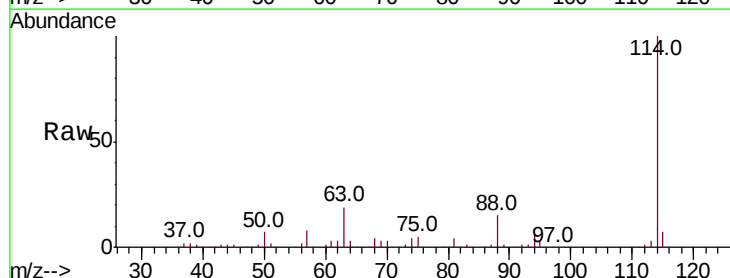
Manual Integrations
 APPROVED

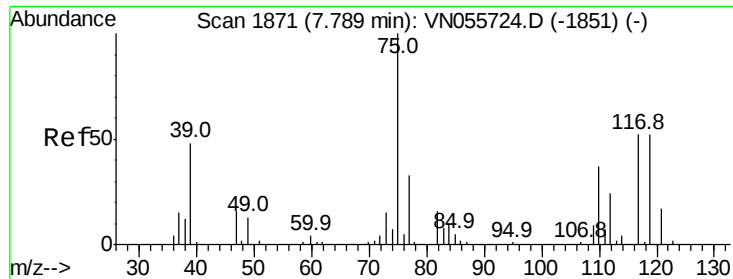
MMDadoda
 5/23/2019 12:30:56 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310340		
63	19.5	15.6	23.4	
88	15.4	12.3	18.5	





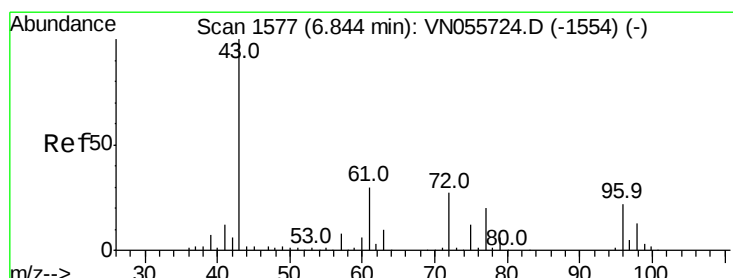
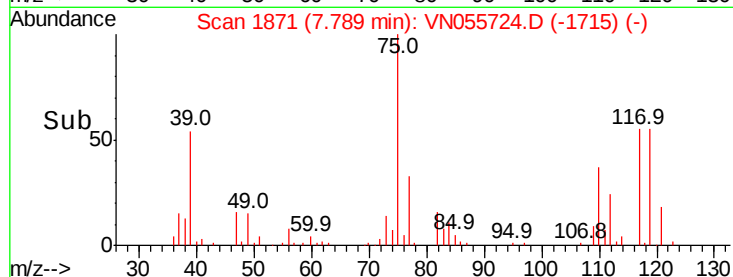
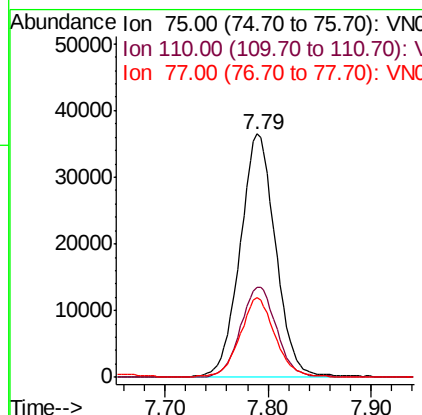
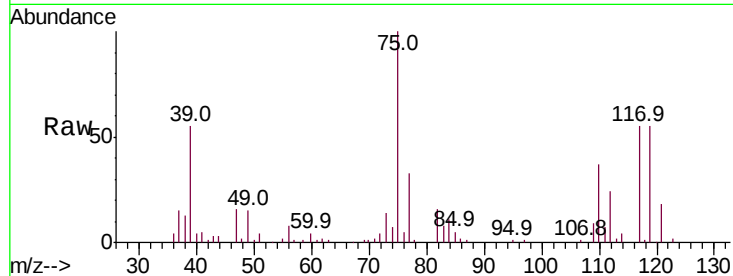
#29
 1,1-Dichloropropene
 Concen: 18.169 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	74.8
77	32.6	0.0	65.2

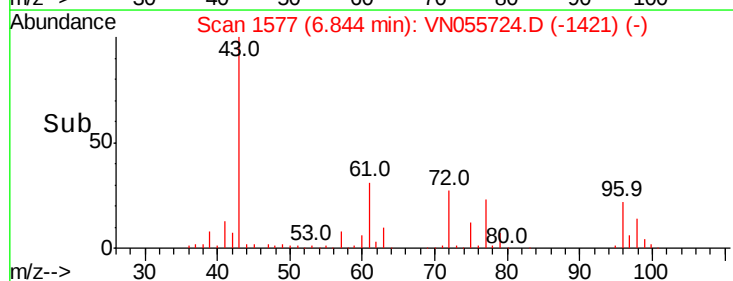
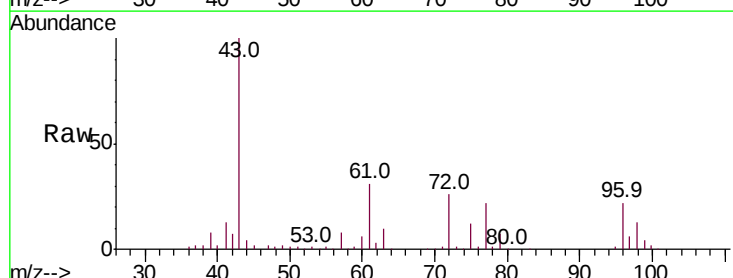
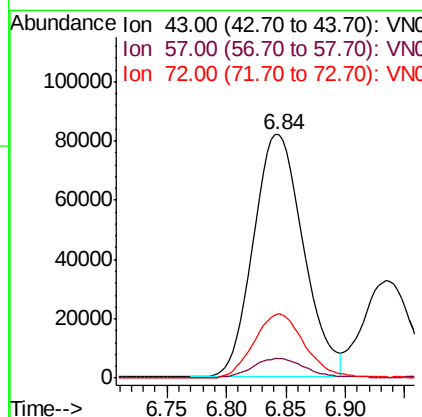
Manual Integrations
 APPROVED

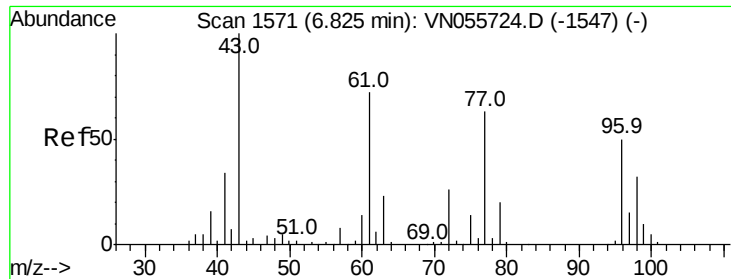
MMDadoda
 5/23/2019 12:30:56 PM



#30
 2-Butanone
 Concen: 116.074 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	10.0
72	27.1	21.7	32.5





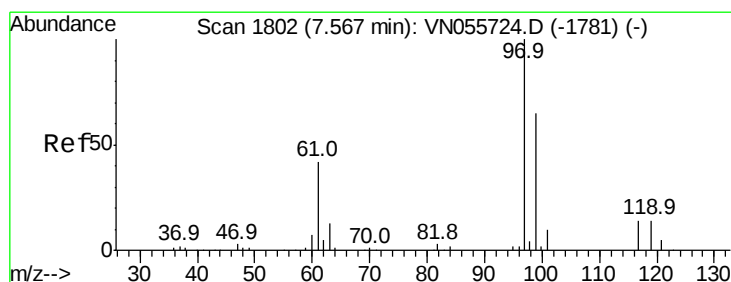
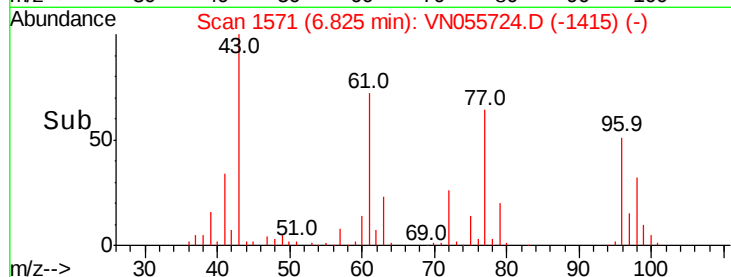
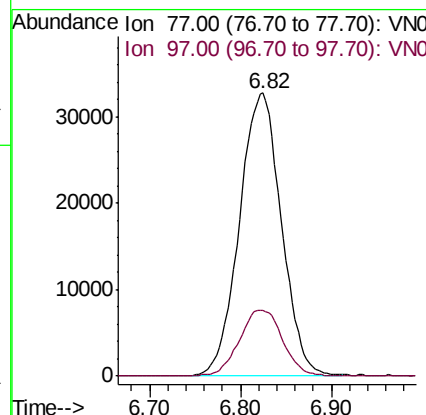
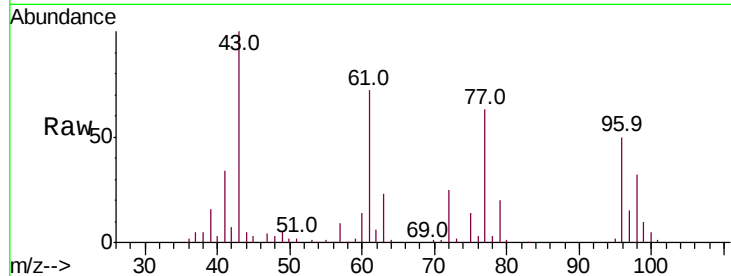
#31
 2,2-Dichloropropane
 Concen: 22.009 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 104792
 Ion Ratio Lower Upper
 77 100
 97 24.0 19.2 28.8

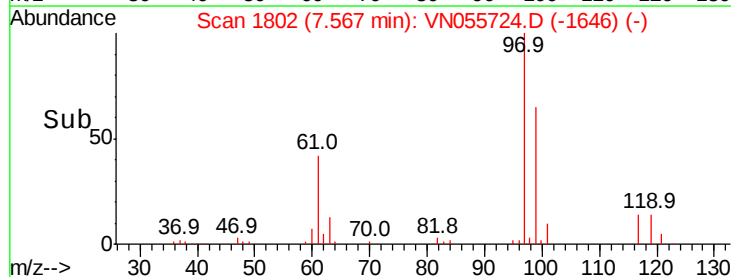
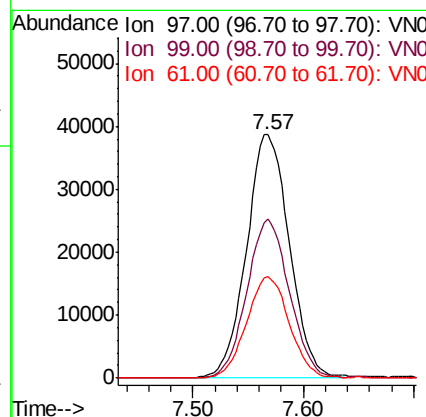
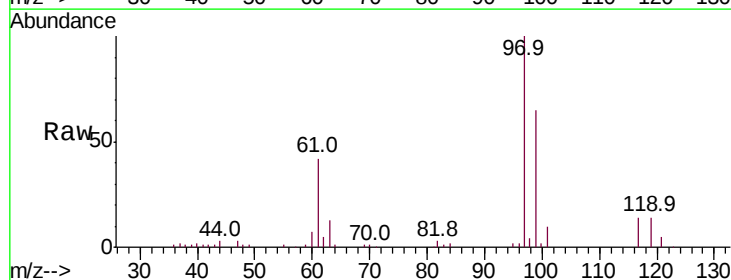
Manual Integrations
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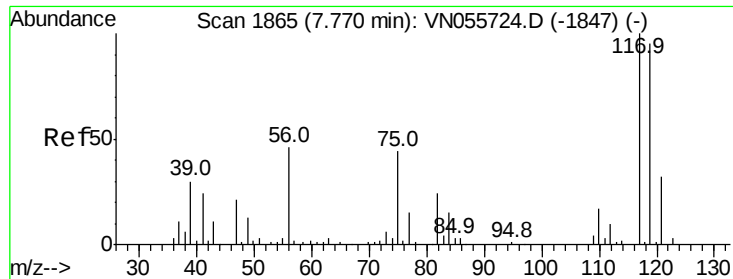
MMDadoda
 5/23/2019 12:30:56 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.286 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 97 Resp: 104367
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 41.4 33.1 49.7





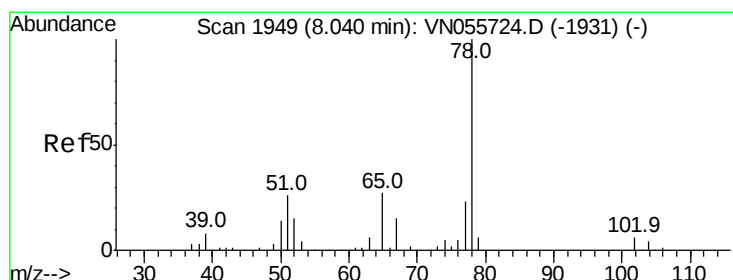
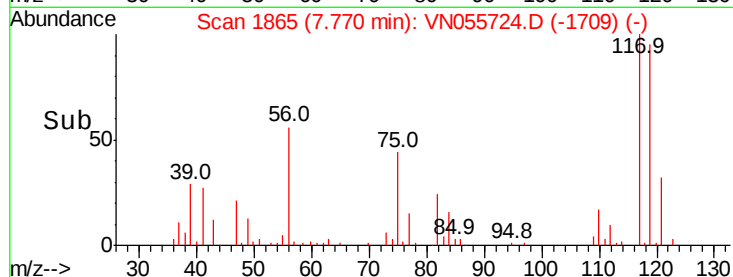
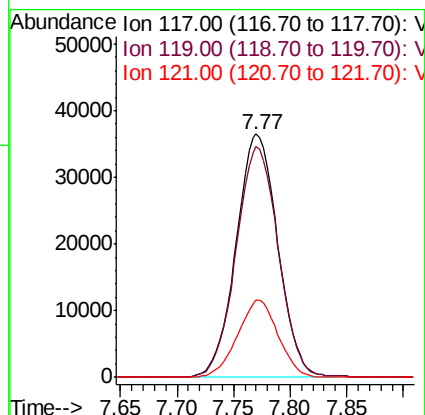
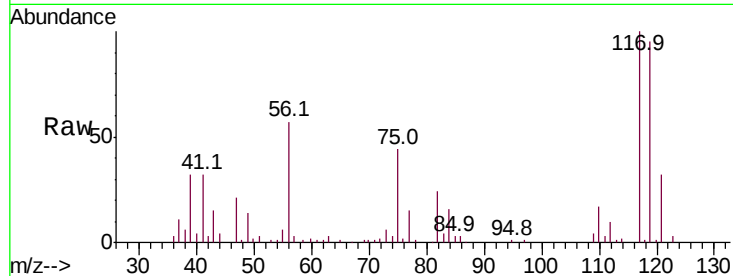
#33
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	31.7	25.4	38.0

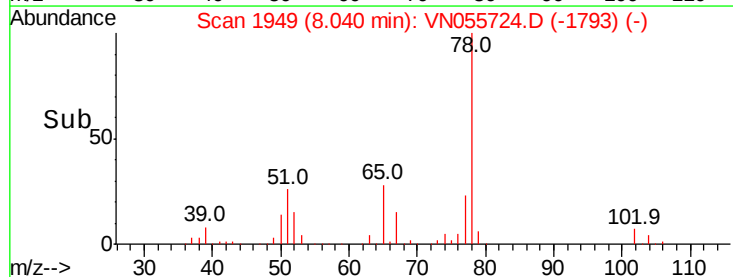
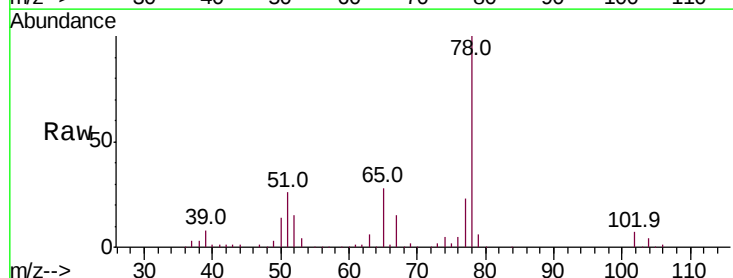
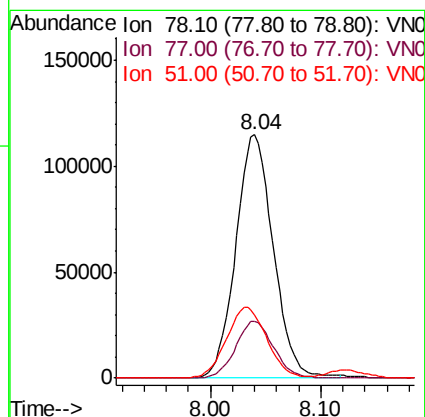
Manual Integrations
APPROVED

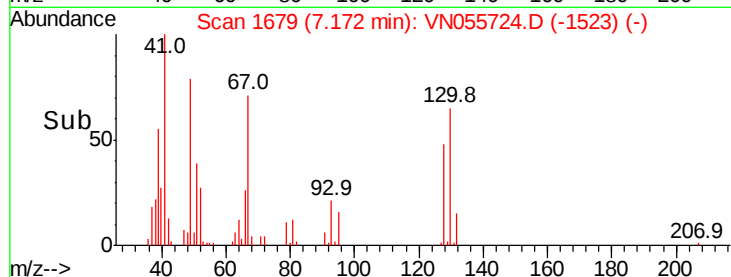
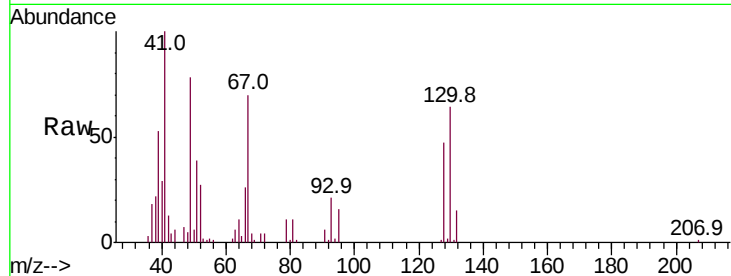
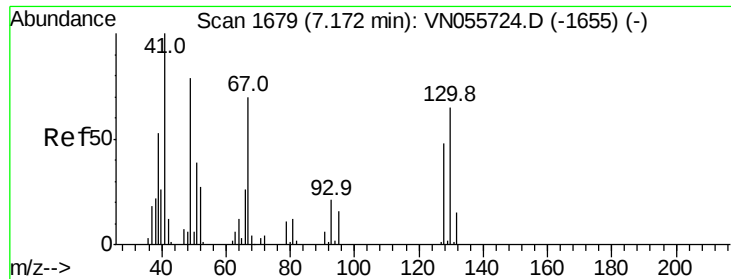
MMDadoda
5/23/2019 12:30:56 PM



#34
Benzene
Concen: 18.723 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	25.8	20.6	31.0





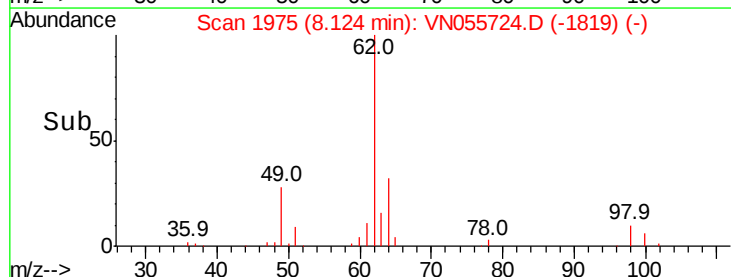
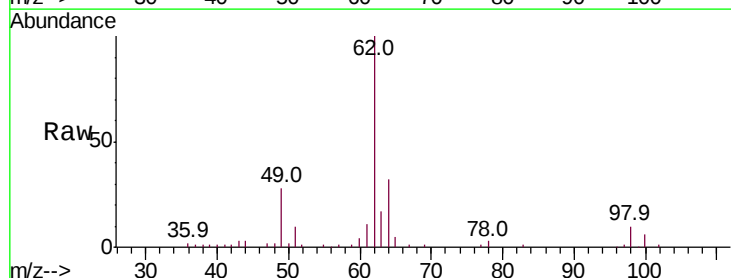
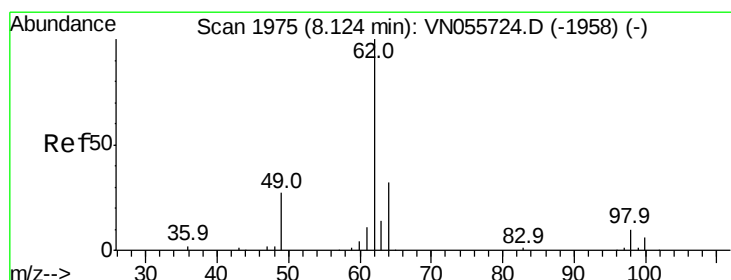
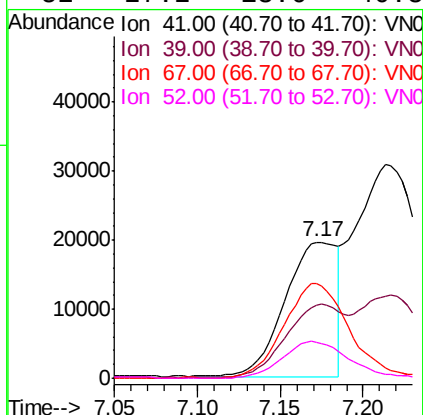
#35
Methacrylonitrile
Concen: 19.314 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tot Ion: 41 Resp: 42438
Ion Ratio Lower Upper
41 100
39 53.4 26.7 80.1
67 69.8 34.9 104.7
52 27.2 13.6 40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

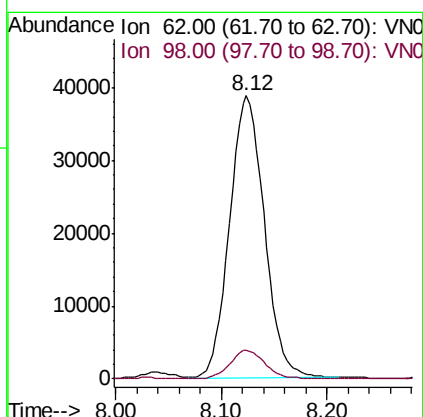
Manual Integrations
APPROVED

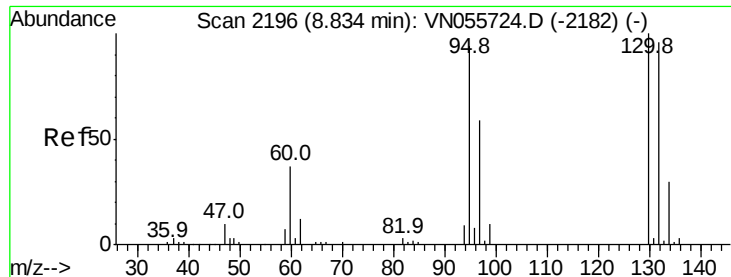
MMDadoda
5/23/2019 12:30:56 PM



#36
1,2-Dichloroethane
Concen: 17.526 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 62 Resp: 88885
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2





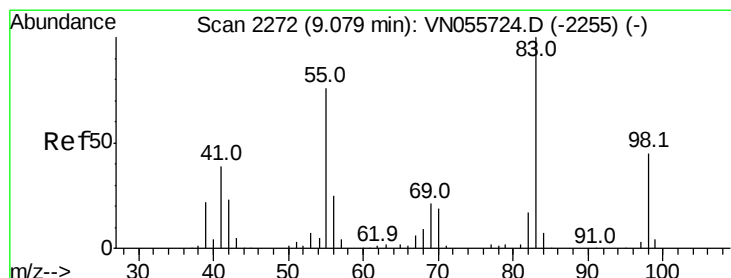
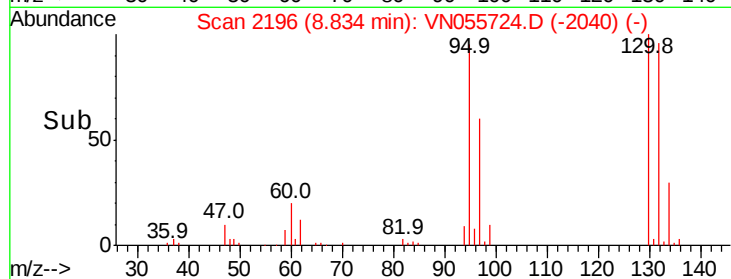
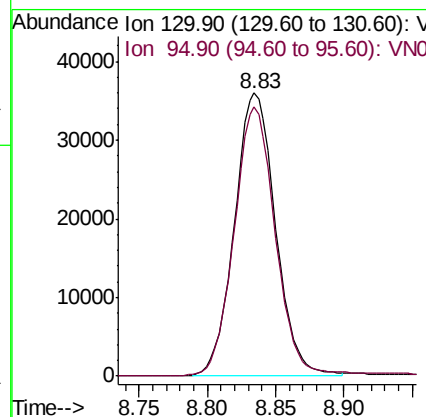
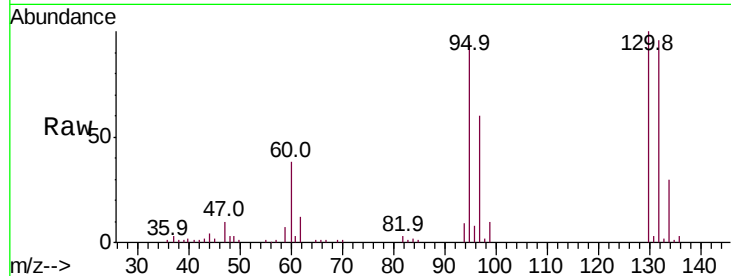
#37
 Trichloroethene
 Concen: 20.235 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 75389
 Ion Ratio Lower Upper
 130 100
 95 94.5 75.6 113.4

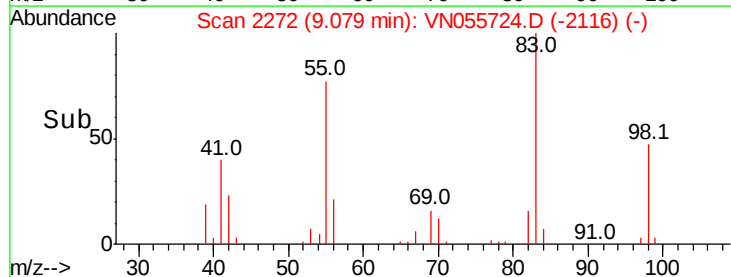
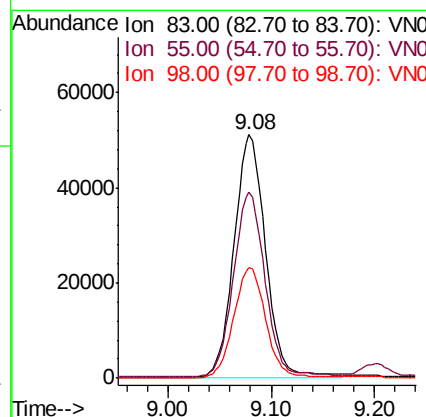
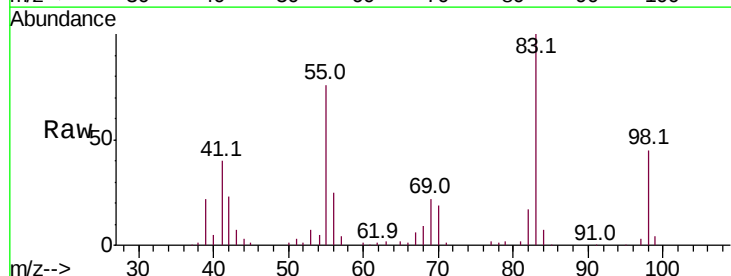
Manual Integrations
 APPROVED

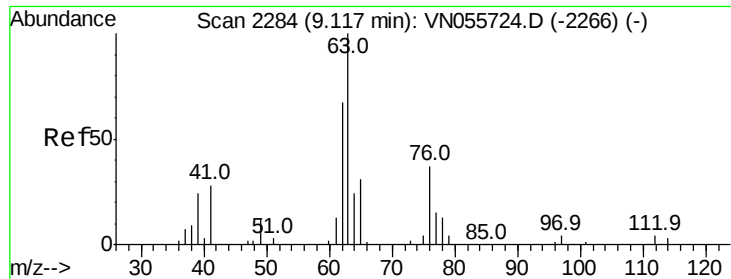
MMDadoda
 5/23/2019 12:30:56 PM



#38
 Methylcyclohexane
 Concen: 20.470 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 83 Resp: 108820
 Ion Ratio Lower Upper
 83 100
 55 75.6 37.8 113.4
 98 45.2 22.6 67.8





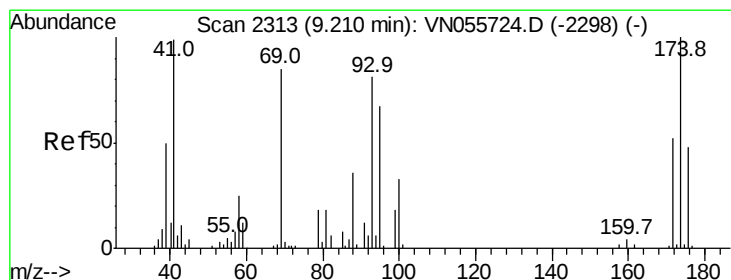
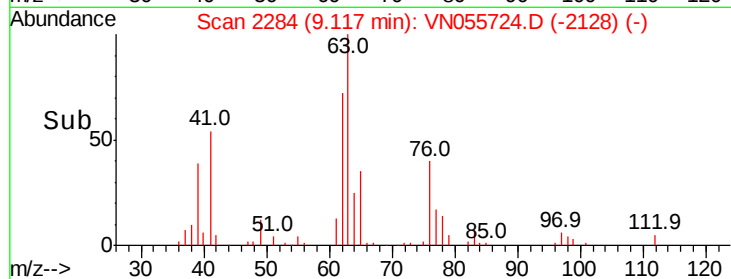
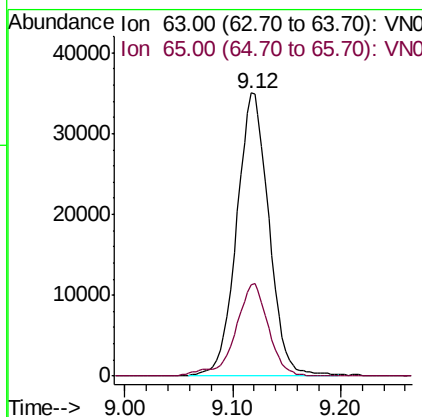
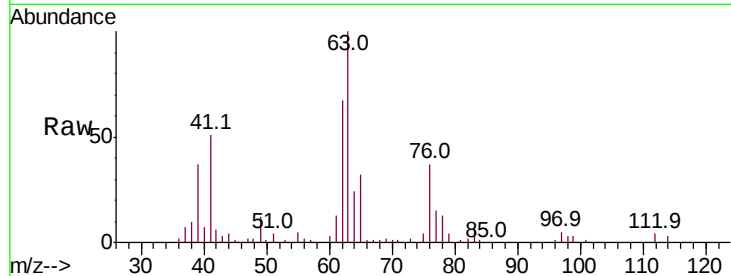
#39
 1,2-Dichloropropane
 Concen: 17.867 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8

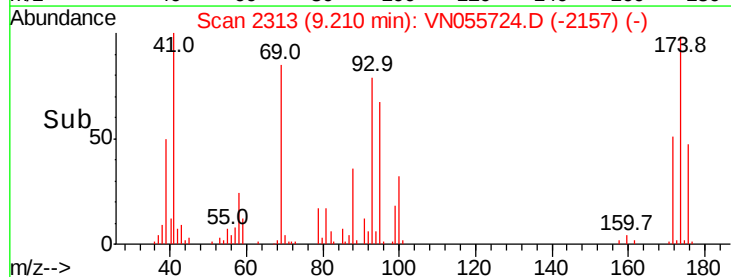
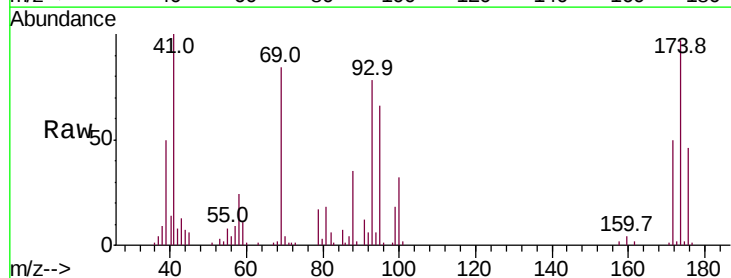
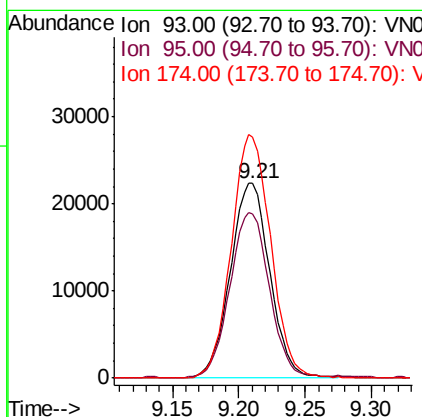
Manual Integrations
 APPROVED

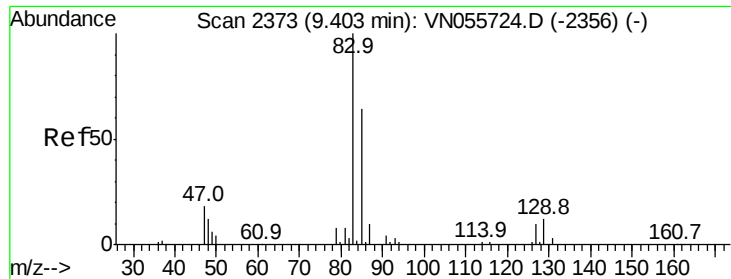
MMDadoda
 5/23/2019 12:30:56 PM



#40
 Dibromomethane
 Concen: 19.320 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.3	0.0	170.6
174	124.2	0.0	248.4





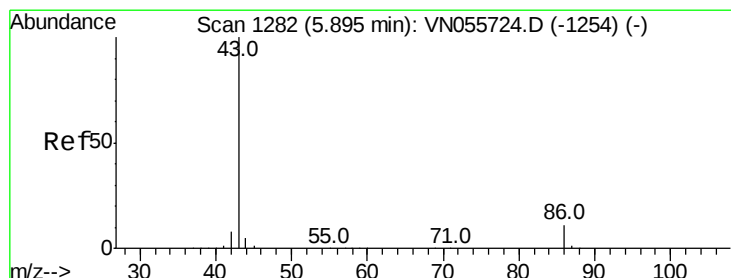
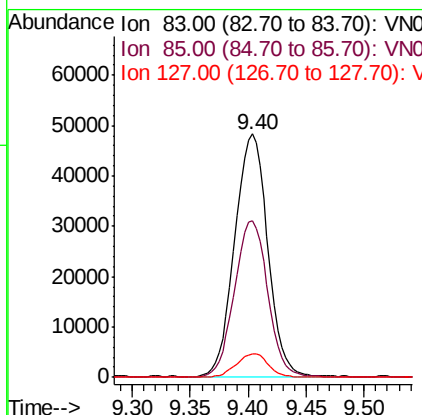
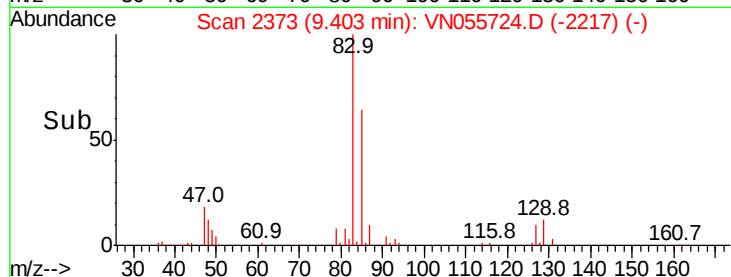
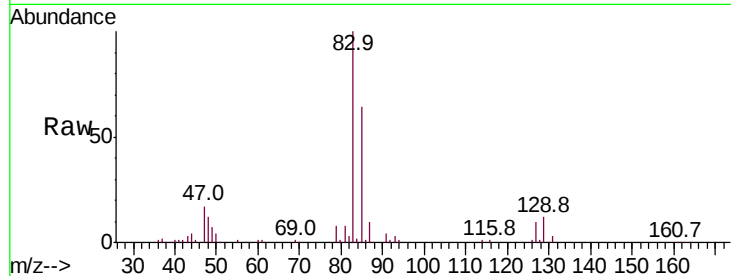
#41
 Bromodichloromethane
 Concen: 19.461 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	96390
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	9.6	7.7	11.5

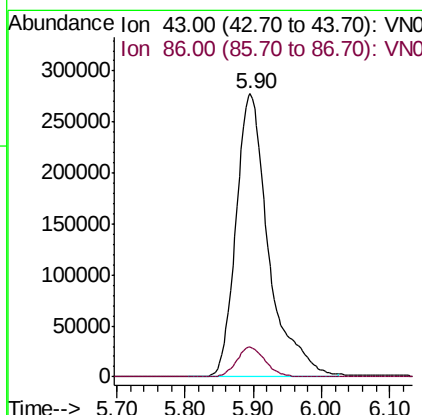
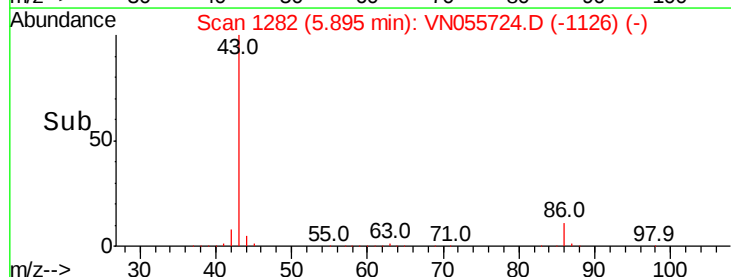
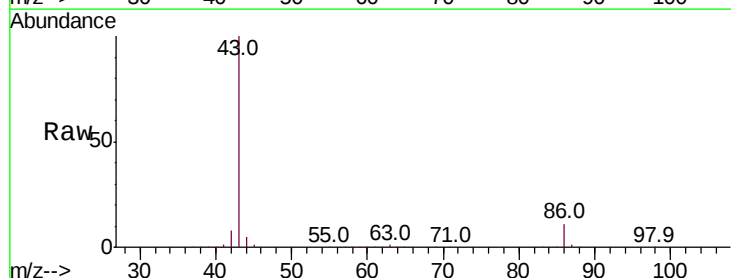
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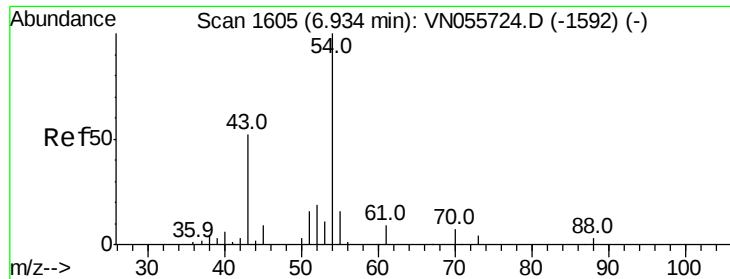
MMDadoda
 5/23/2019 12:30:56 PM



#42
 Vinyl Acetate
 Concen: 96.730 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	43	Resp	919026
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.4	11.2





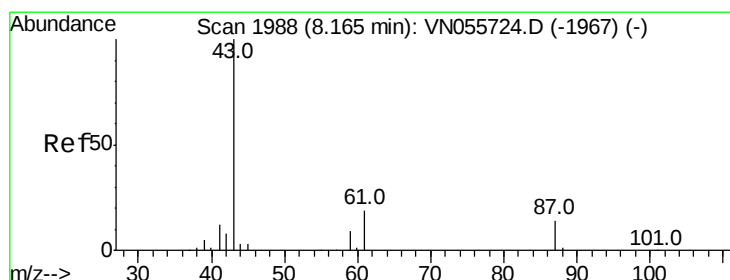
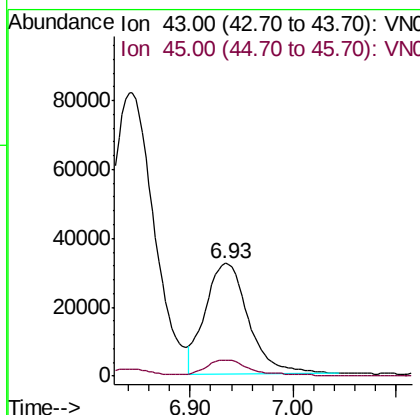
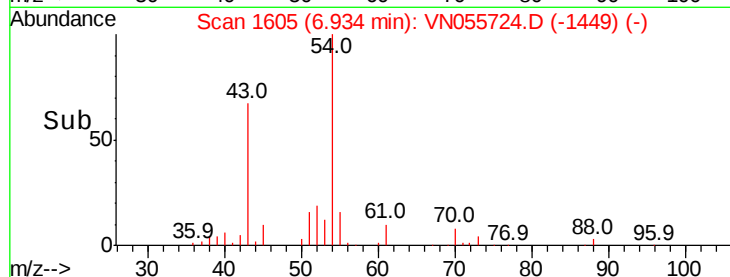
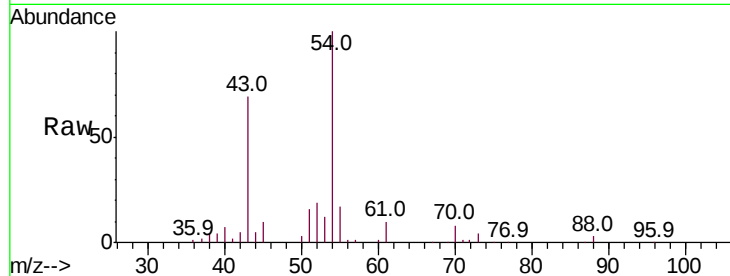
#43
Ethyl Acetate
Concen: 22.126 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 93812
Ion Ratio Lower Upper
43 100
45 14.4 0.0 0.0#

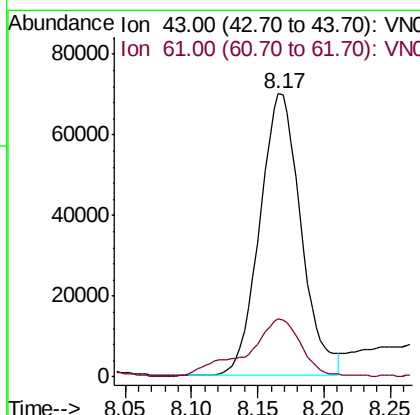
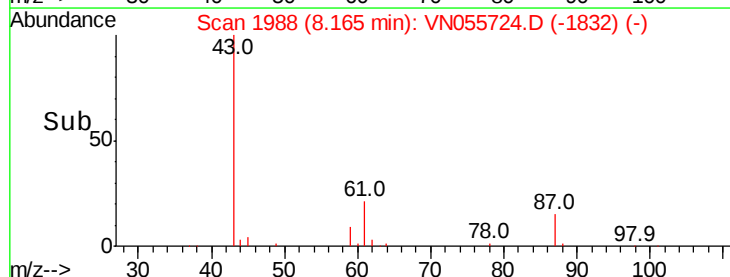
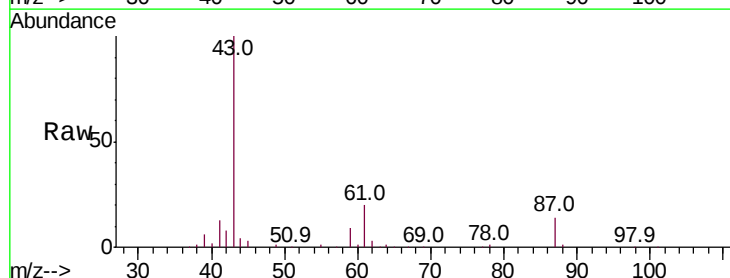
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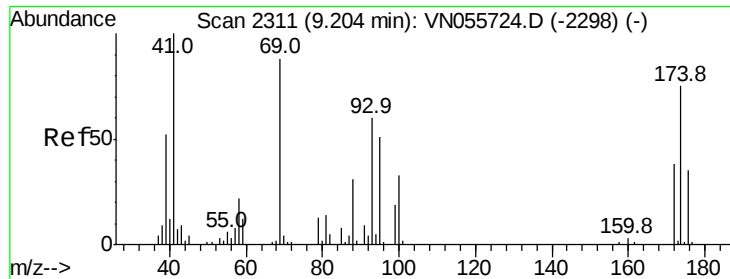
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.023 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 43 Resp: 151147
Ion Ratio Lower Upper
43 100
61 27.6 22.1 33.1





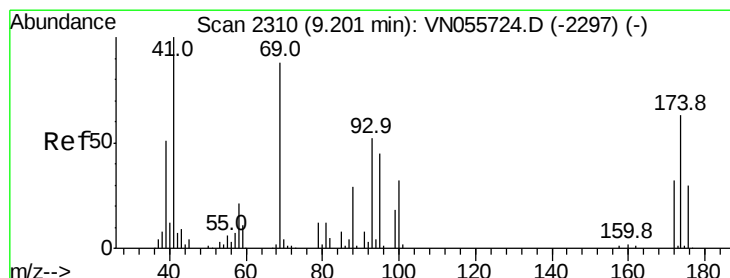
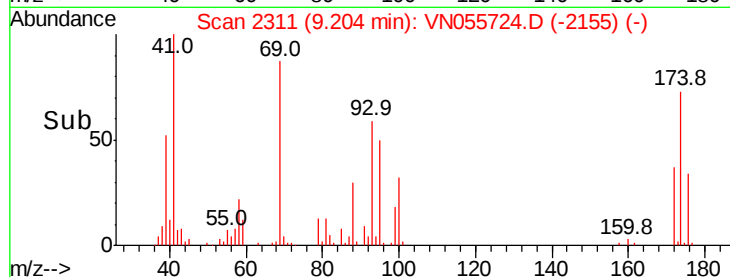
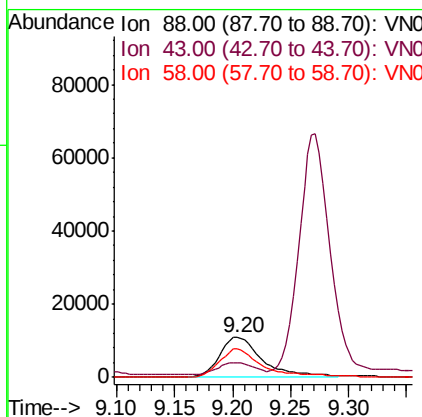
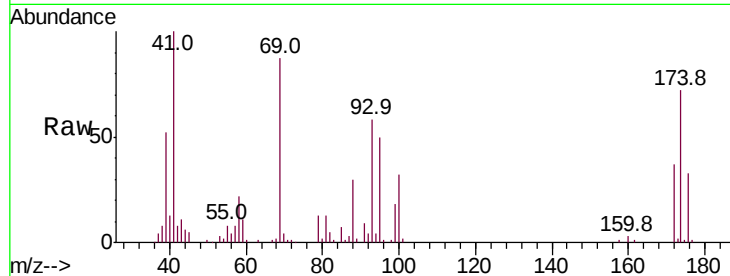
#45
 1,4-Dioxane
 Concen: 630.442 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	20.5	30.7
58	70.1	56.1	84.1

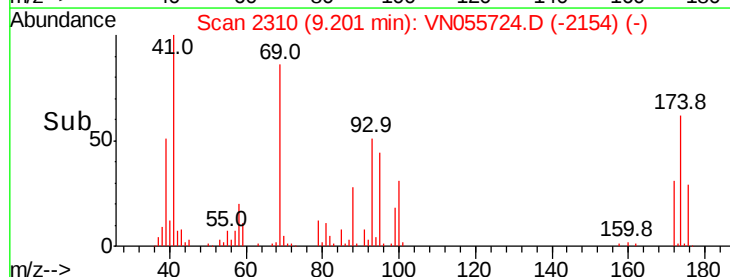
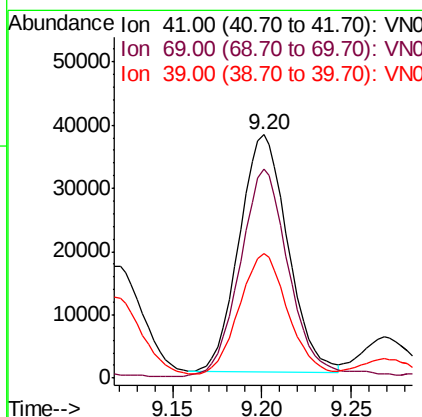
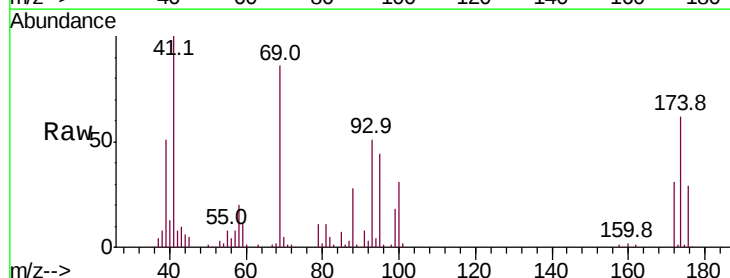
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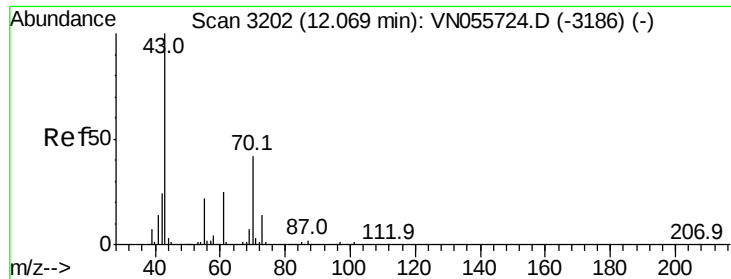
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#46
 Methyl methacrylate
 Concen: 19.979 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.6	43.8	131.4
39	51.1	25.6	76.6





#47

n-amvl Acetate

Concen: 22.268 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

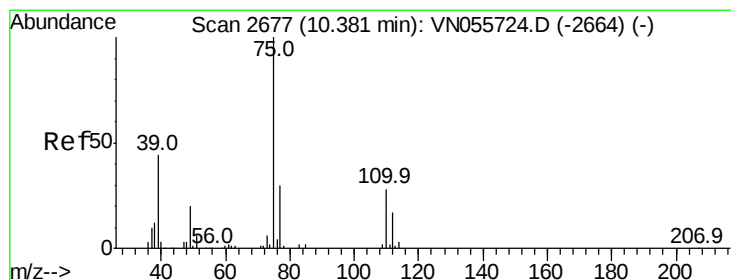
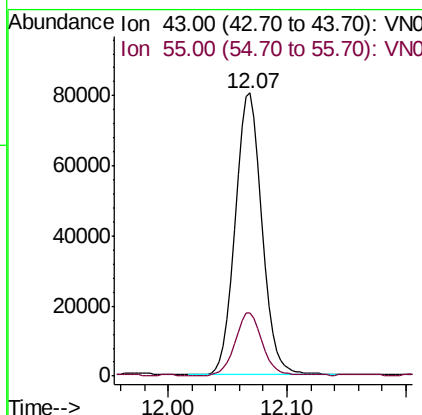
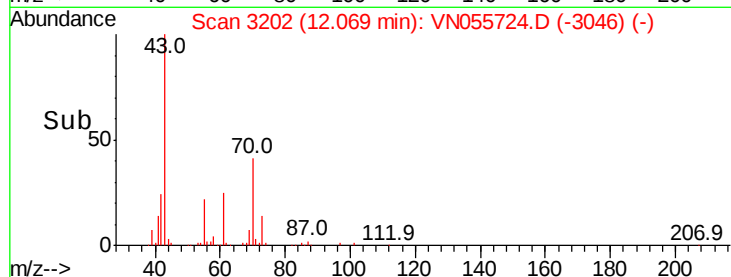
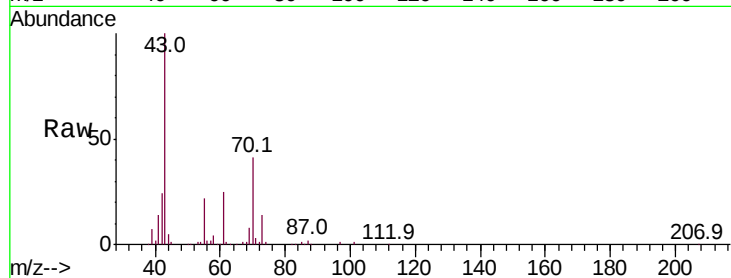
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 125822

Ion	Ratio	Lower	Upper
43	100		
55	22.2	17.8	26.6

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 20.897 ug/l

RT: 10.38 min Scan# 2677

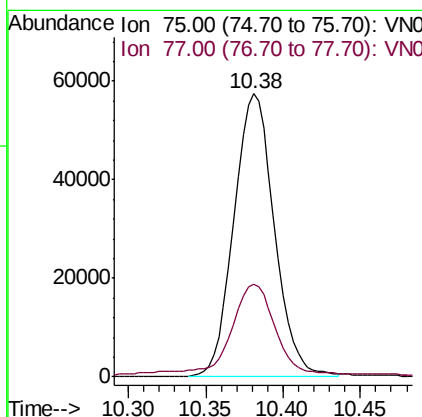
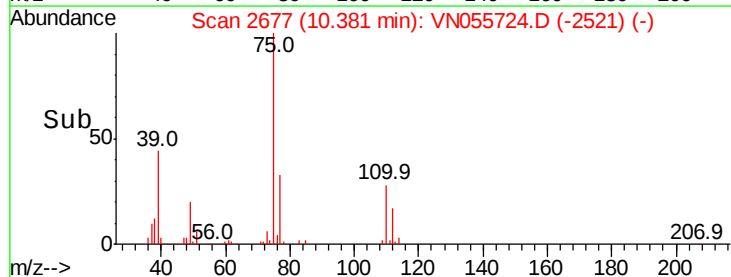
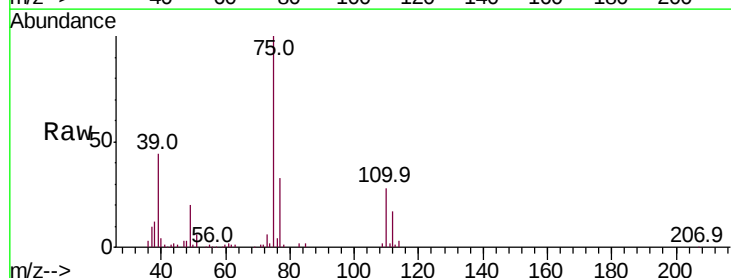
Delta R.T. 0.00 min

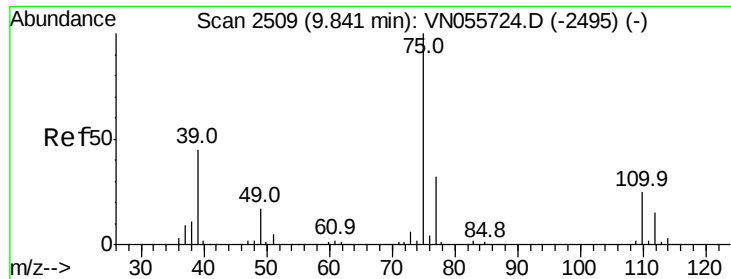
Lab File: VN055724.D

Acq: 22 May 2019 17:22

Tgt Ion: 75 Resp: 104571

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8





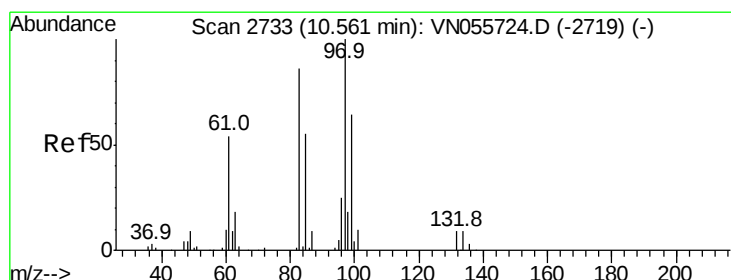
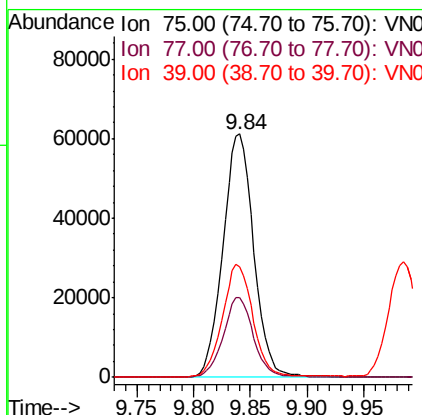
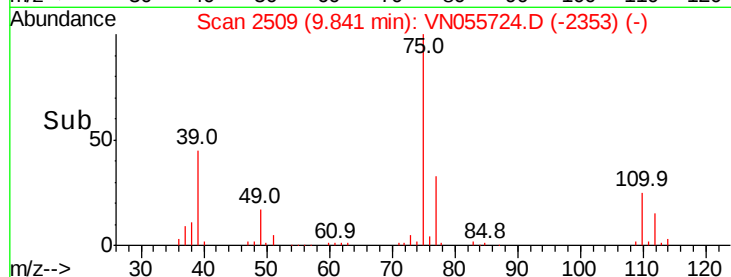
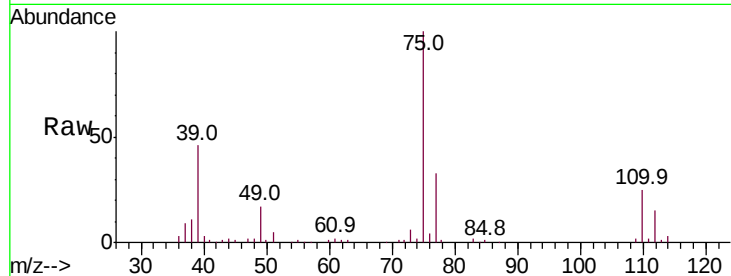
#49
 cis-1,3-Dichloropropene
 Concen: 20.257 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.5	26.0	39.0	
39	45.3	36.2	54.4	

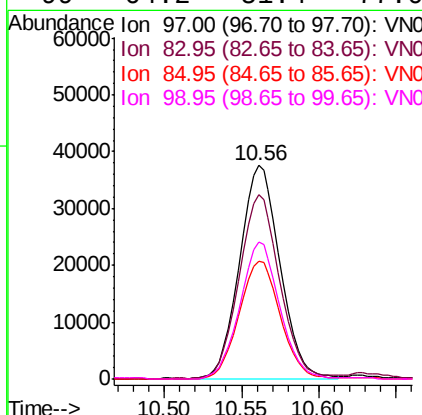
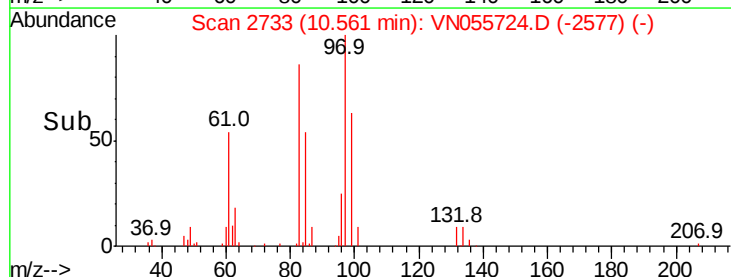
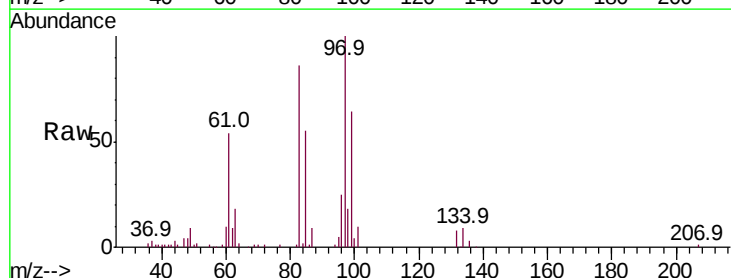
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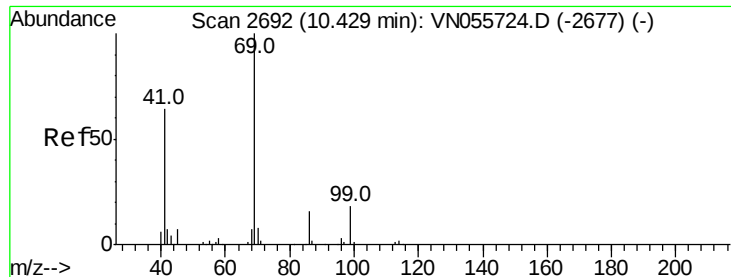
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#50
 1,1,2-Trichloroethane
 Concen: 20.580 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.1	68.9	103.3	
85	55.4	44.3	66.5	
99	64.2	51.4	77.0	





#51

Ethyl methacrylate

Concen: 23.024 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

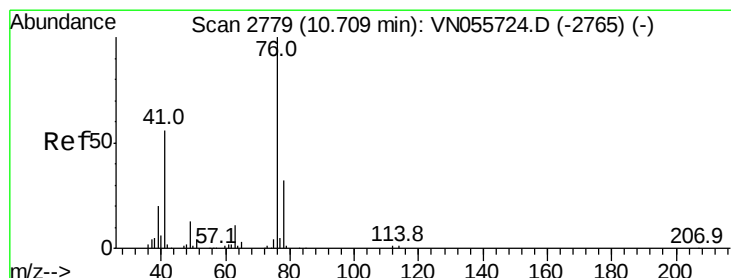
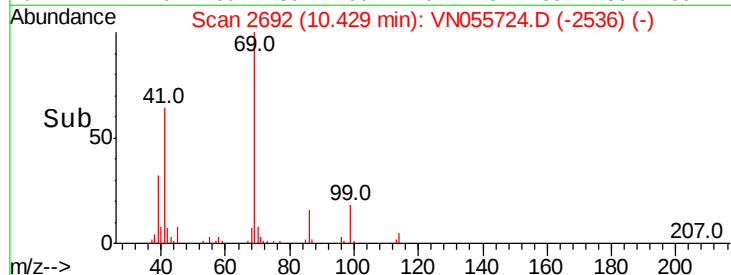
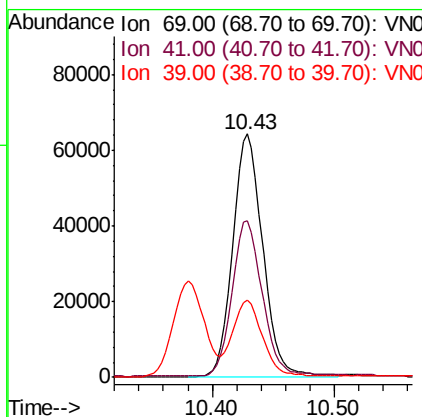
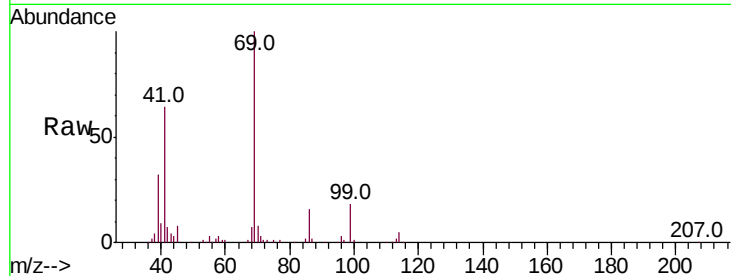
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	109826
Ion	Ratio	Lower	Upper
69	100		
41	63.8	31.9	95.7
39	31.3	15.7	47.0

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#52

1,3-Dichloropropane

Concen: 19.473 ug/l

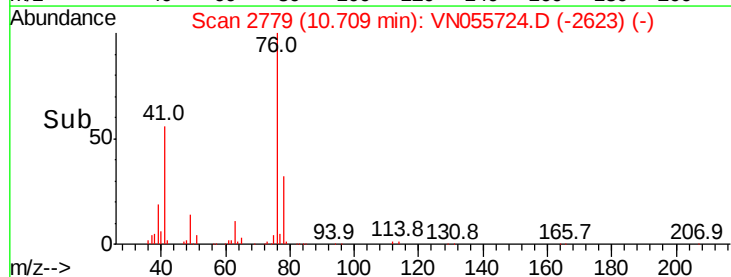
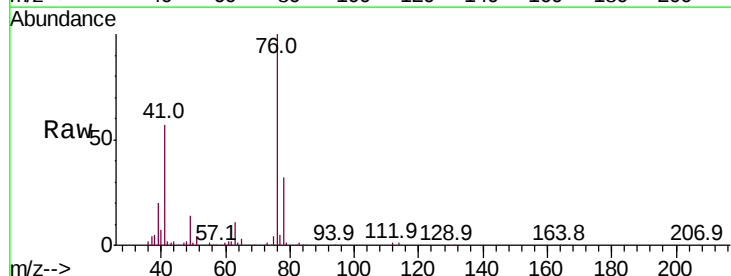
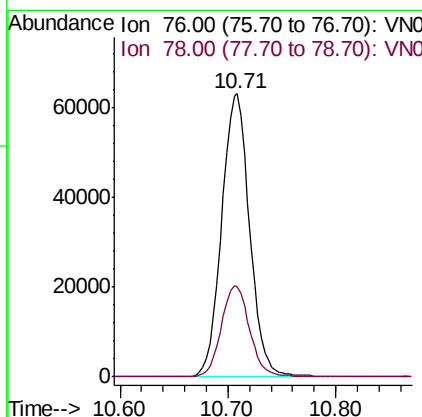
RT: 10.71 min Scan# 2779

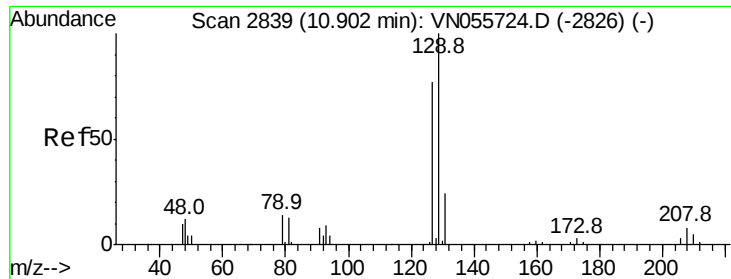
Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Tgt Ion:	76	Resp:	113928
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.0





#53

Dibromochloromethane

Concen: 22.273 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 79410

Ion Ratio Lower Upper

129 100

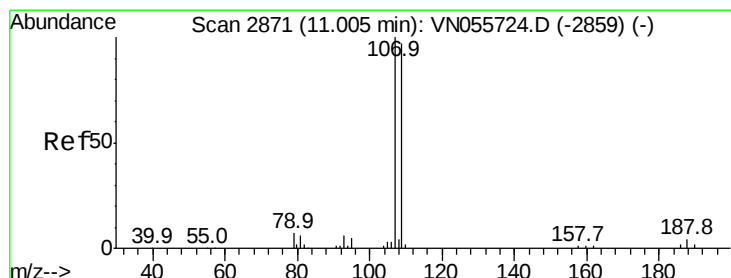
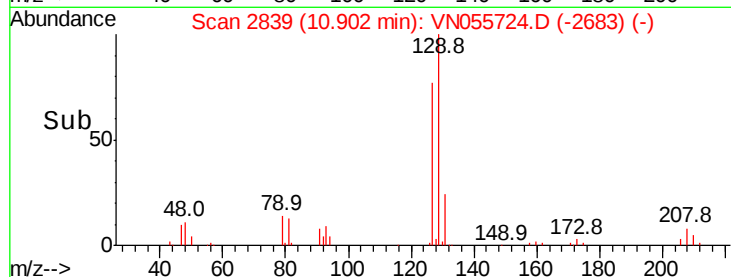
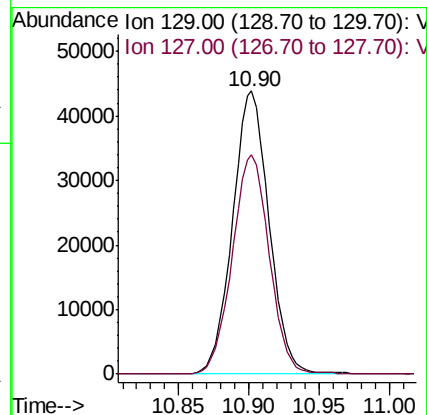
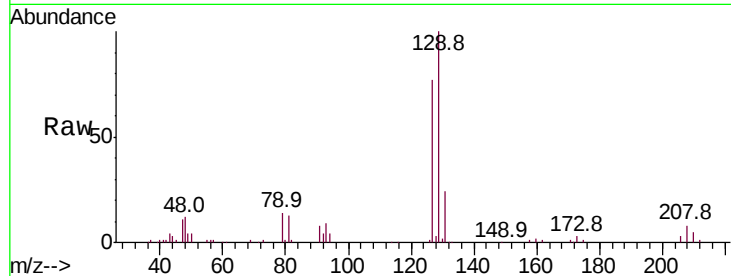
127 78.4 39.2 117.6

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#54

1,2-Dibromoethane

Concen: 21.337 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055724.D

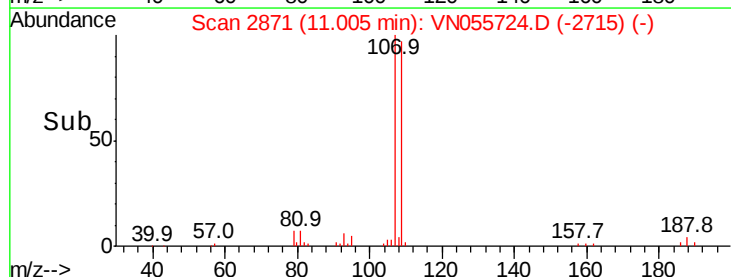
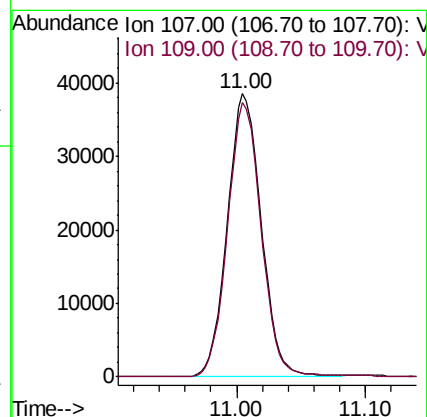
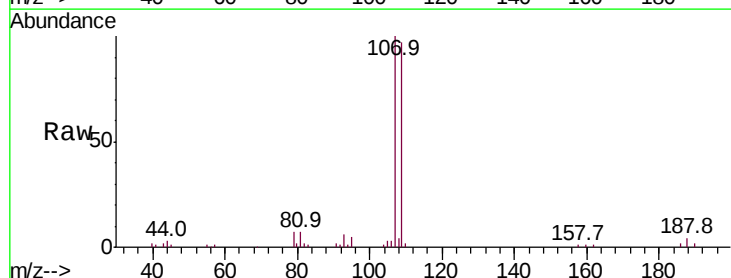
Acq: 22 May 2019 17:22

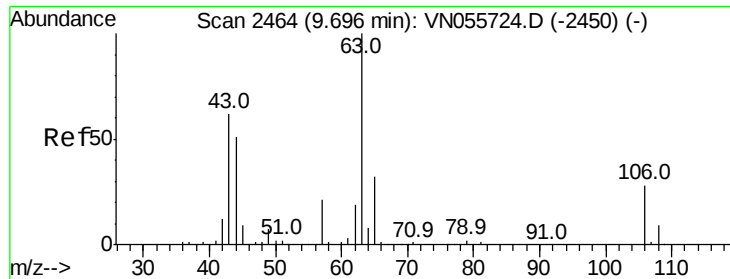
Tgt Ion:107 Resp: 70399

Ion Ratio Lower Upper

107 100

109 95.8 76.6 115.0





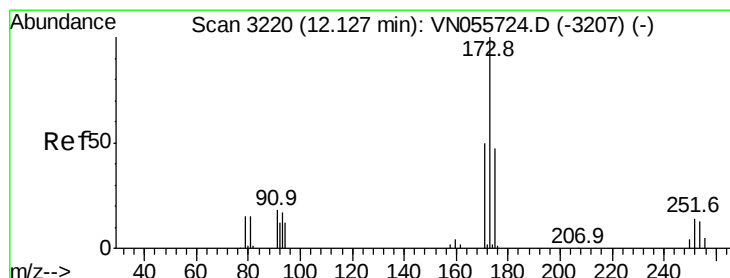
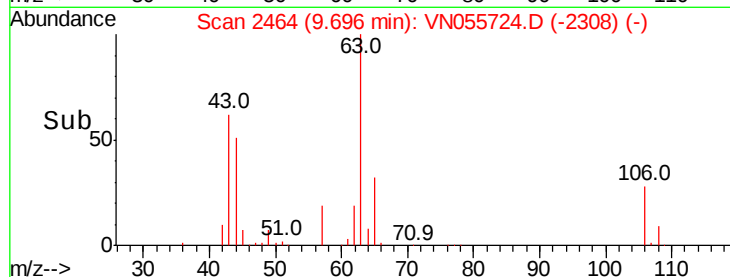
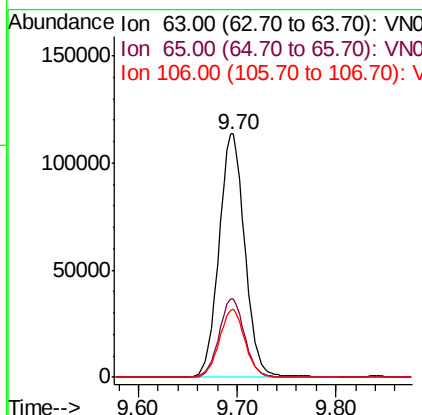
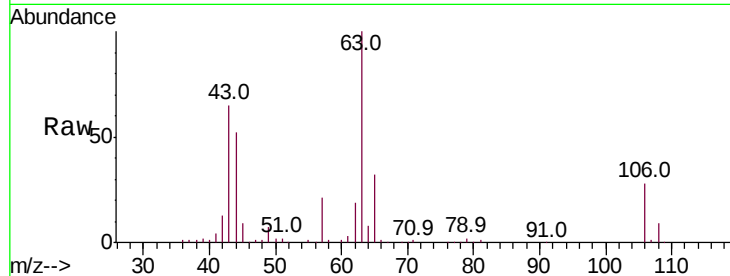
#55
2-Chloroethyl vinyl ether
Concen: 136.702 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.0
106	27.6	22.1	33.1

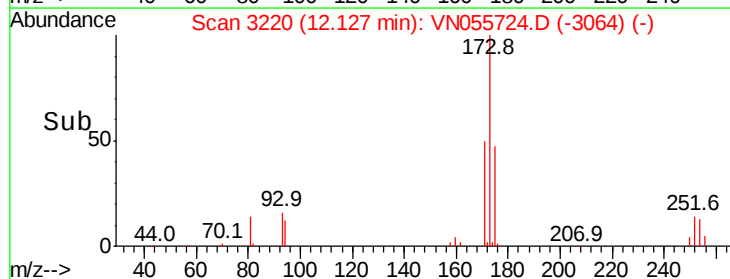
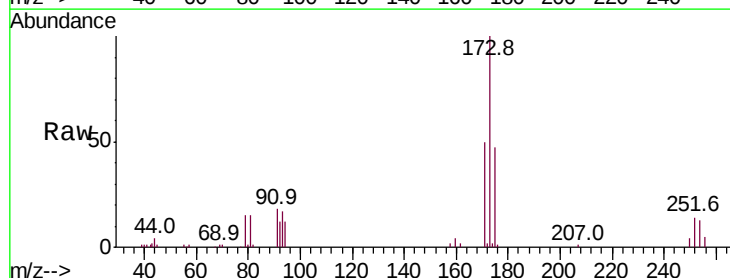
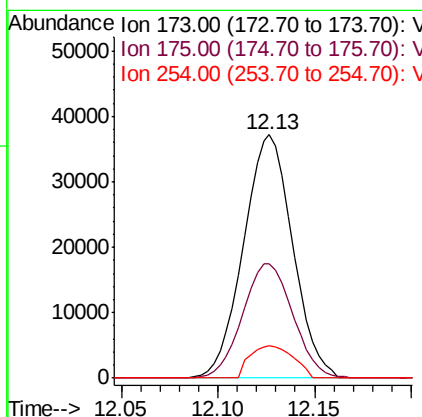
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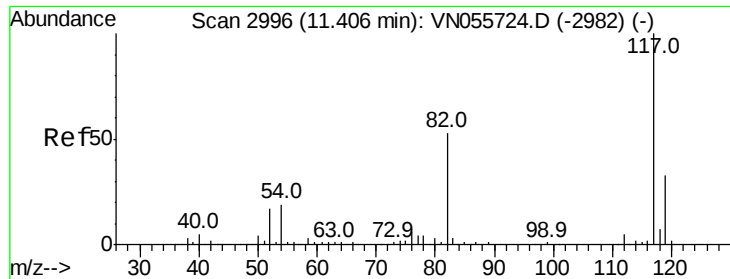
MMDadoda
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#56
Bromoform
Concen: 26.606 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.5	57.7
254	11.7	9.4	14.0





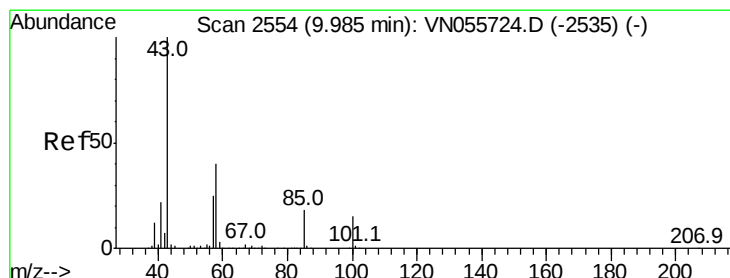
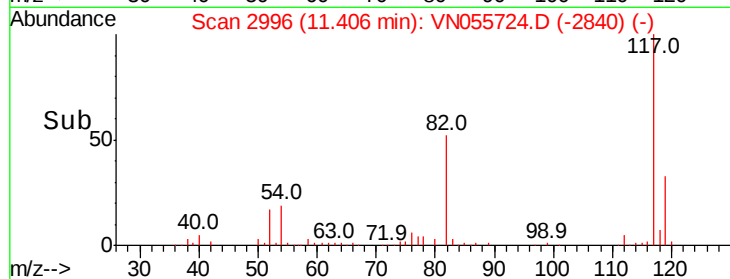
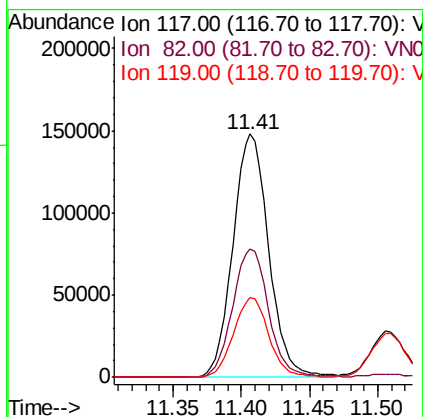
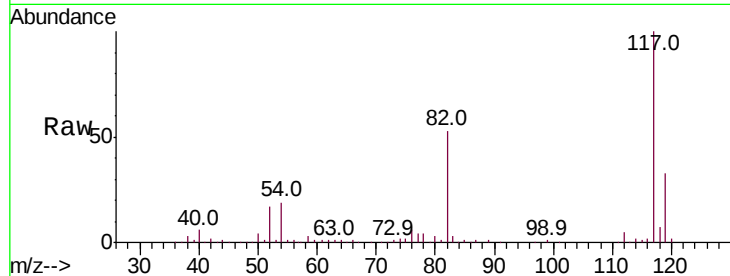
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.4	25.9	38.9

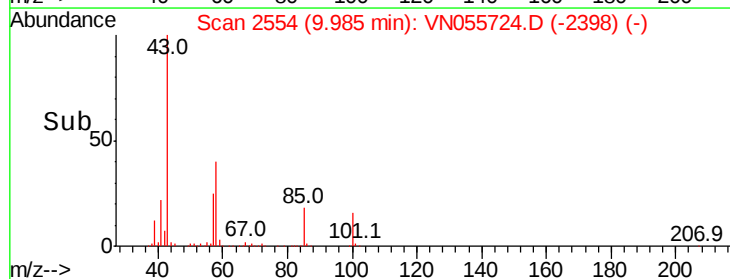
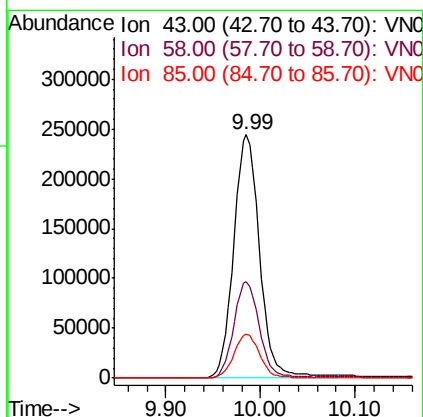
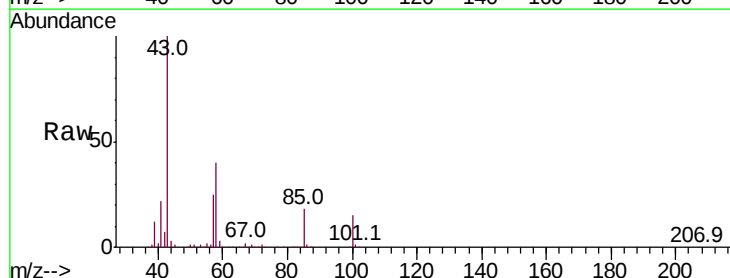
Manual Integrations
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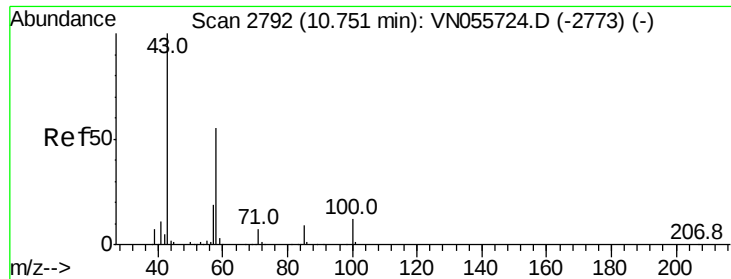
MMDadoda
5/23/2019 12:30:56 PM



#58
4-Methyl-2-Pentanone
Concen: 107.880 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.7	47.5
85	18.1	14.5	21.7





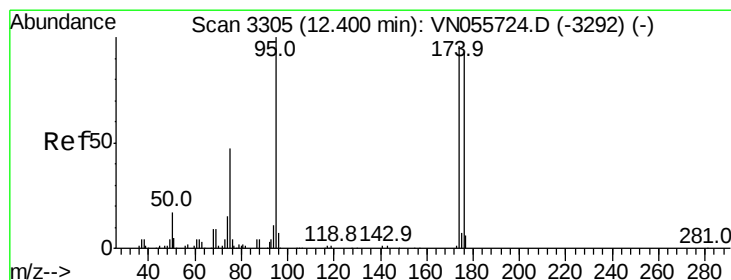
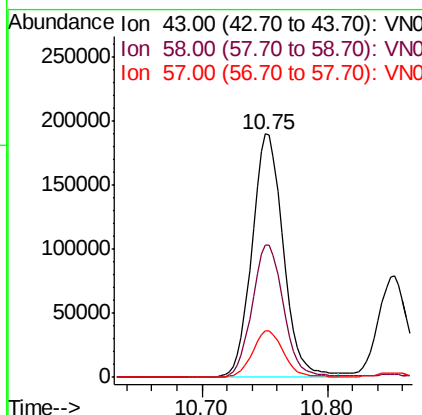
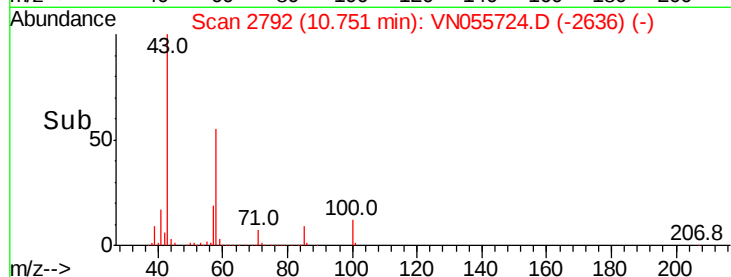
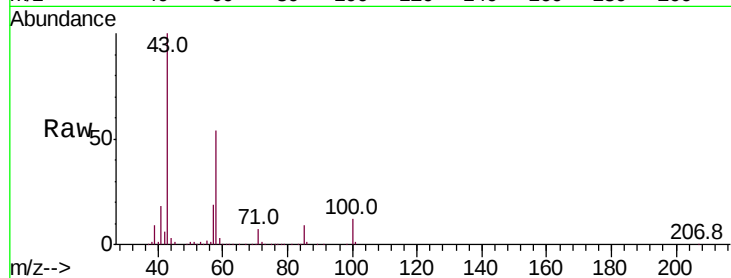
#59
2-Hexanone
Concen: 116.566 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	44.8	67.2
57	19.1	15.3	22.9

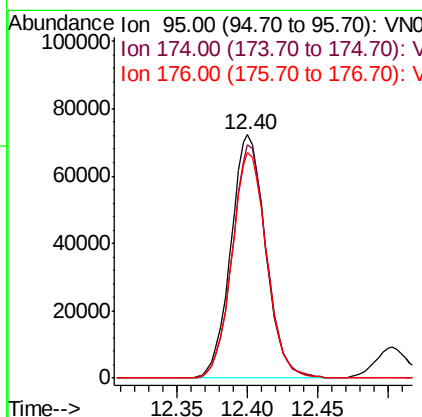
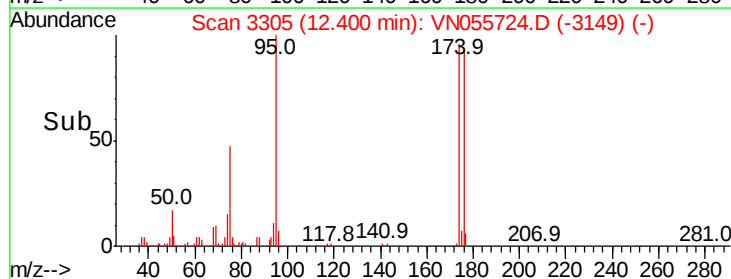
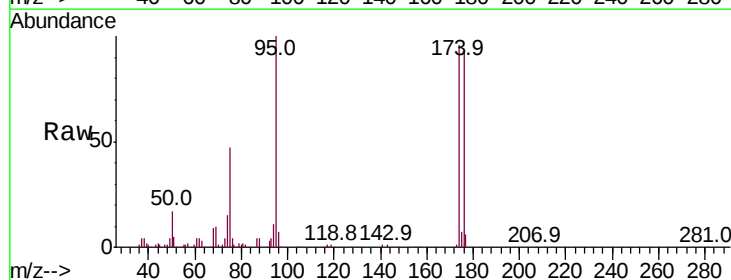
Manual Integrations
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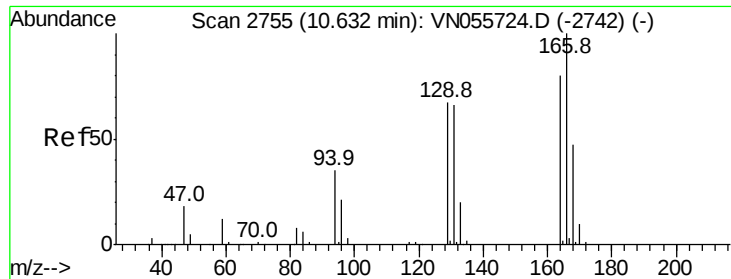
MMDadoda
5/23/2019 12:30:56 PM



#60
4-Bromofluorobenzene
Concen: 29.880 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	75.7	113.5
176	92.6	74.1	111.1





#61

Tetrachloroethene

Concen: 21.662 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 76216

Ion Ratio Lower Upper

164 100

166 125.7 100.6 150.8

129 84.3 67.4 101.2

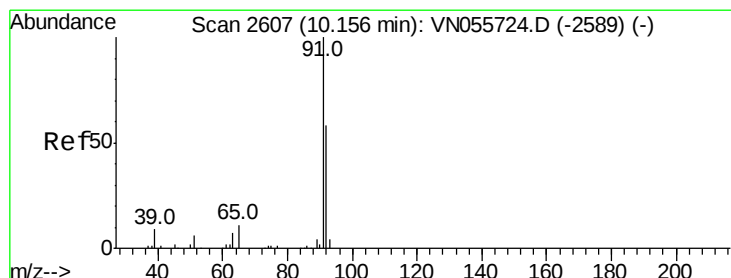
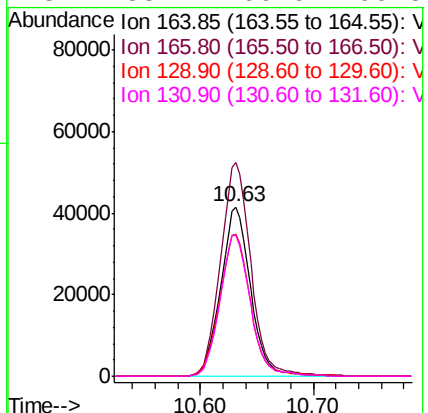
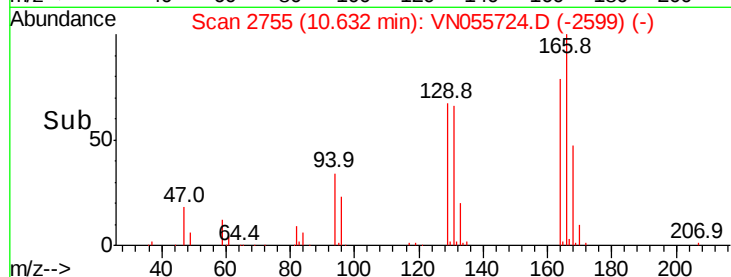
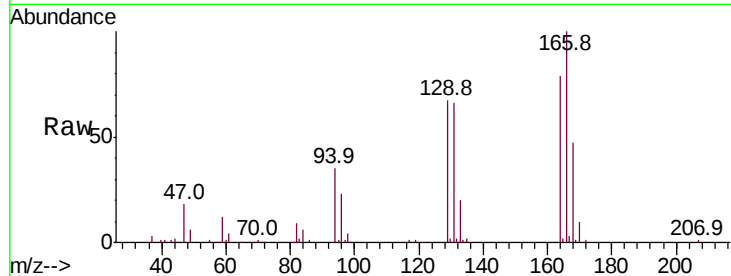
131 83.2 66.6 99.8

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#62

Toluene

Concen: 19.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055724.D

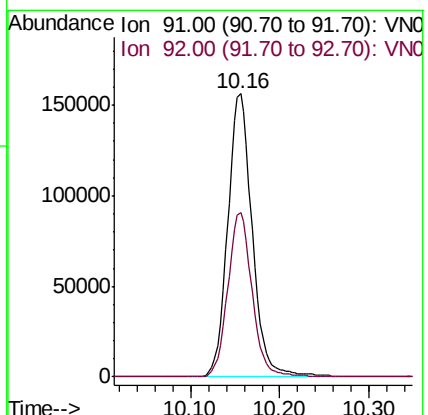
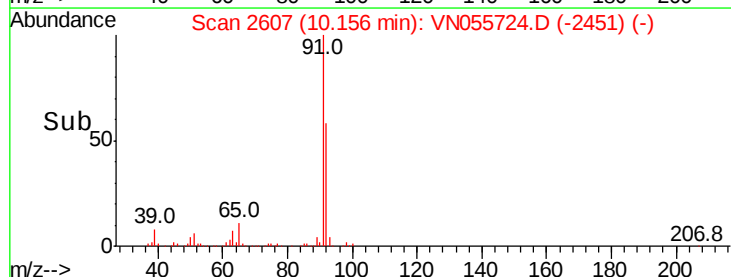
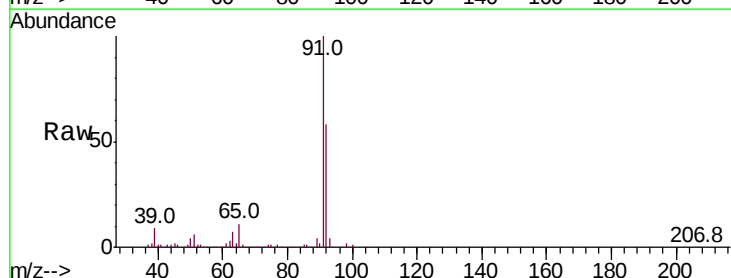
Acq: 22 May 2019 17:22

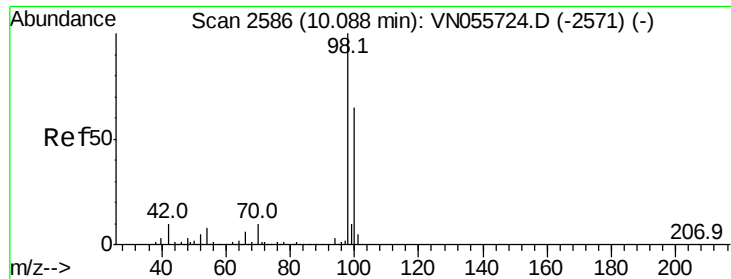
Tgt Ion: 91 Resp: 297183

Ion Ratio Lower Upper

91 100

92 57.0 45.6 68.4





#63

Toluene-d8

Concen: 29.553 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 376273

Ion Ratio Lower Upper

98 100

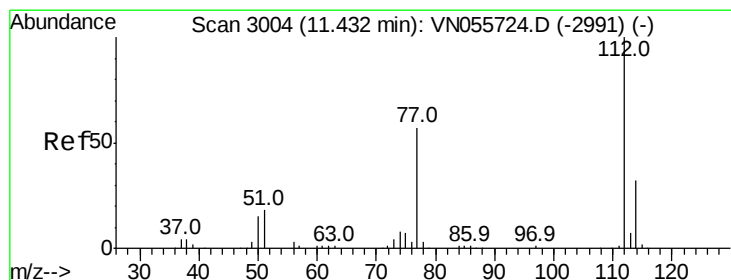
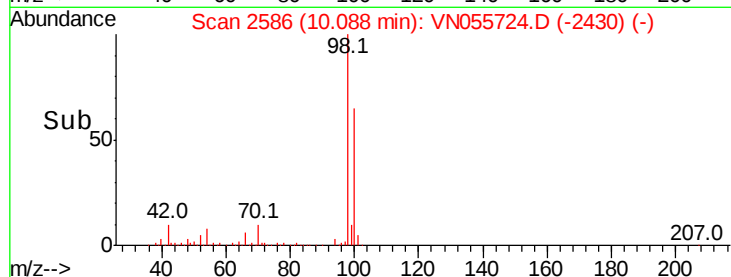
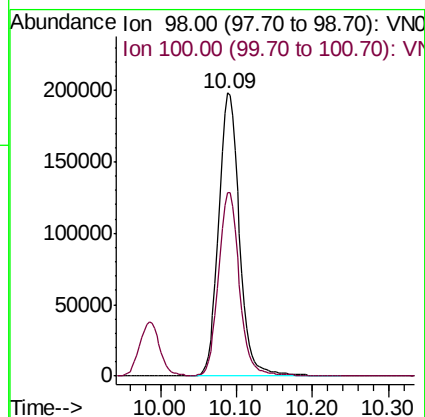
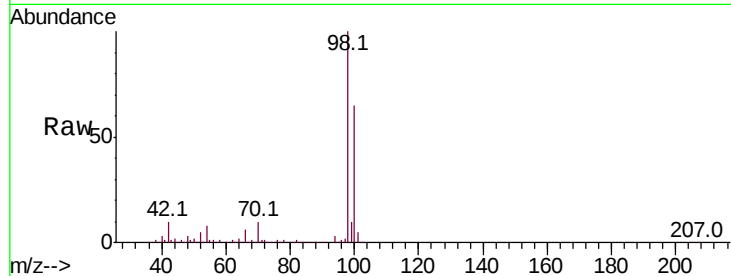
100 64.5 51.6 77.4

Manual Integrations

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#64

Chlorobenzene

Concen: 19.828 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055724.D

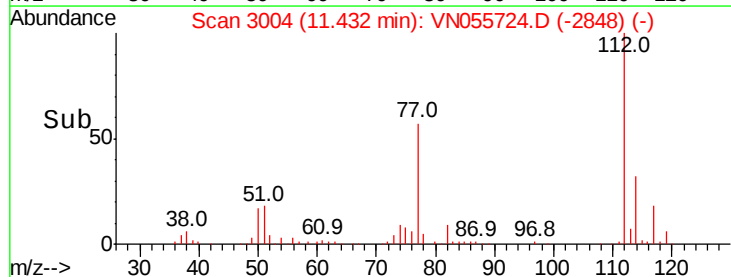
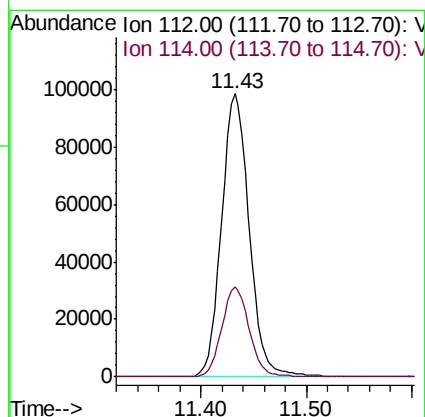
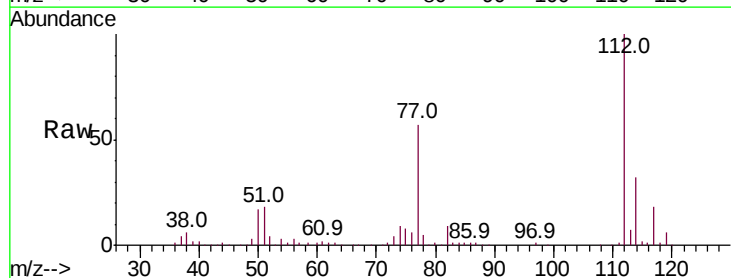
Acq: 22 May 2019 17:22

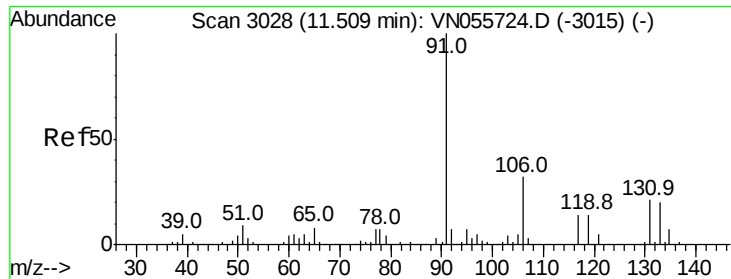
Tgt Ion: 112 Resp: 178805

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

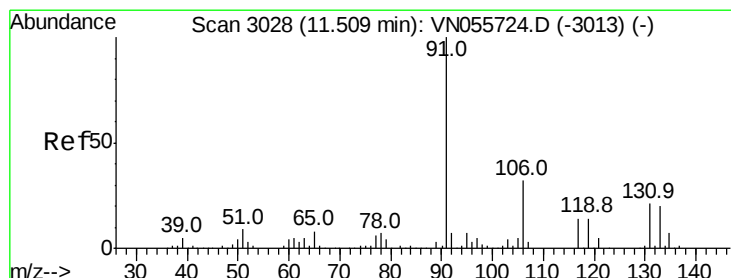
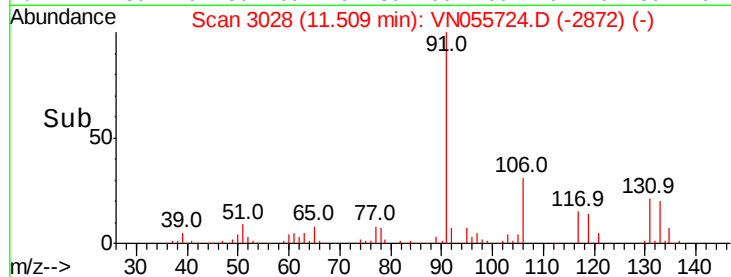
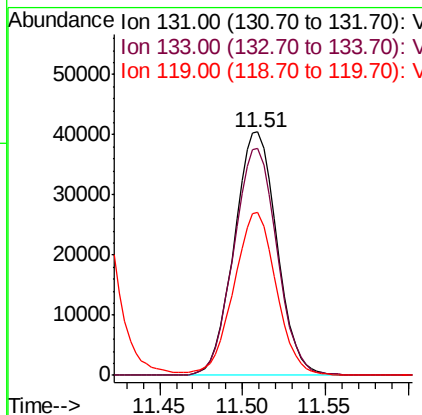
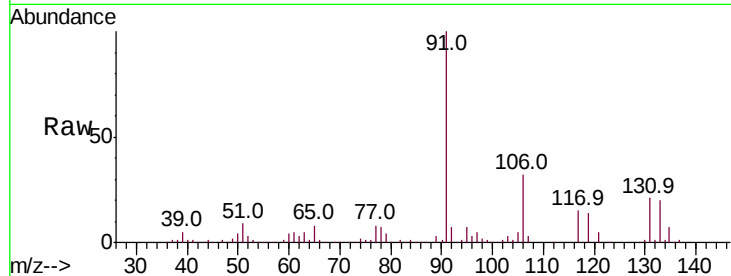
ClientSampled :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.4	0.0	188.8
119	66.8	0.0	133.6

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#66

Ethyl Benzene

Concen: 19.918 ug/l

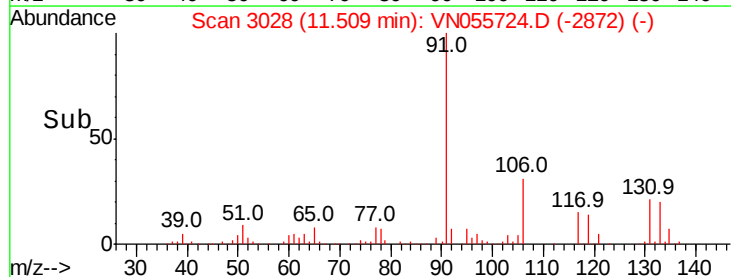
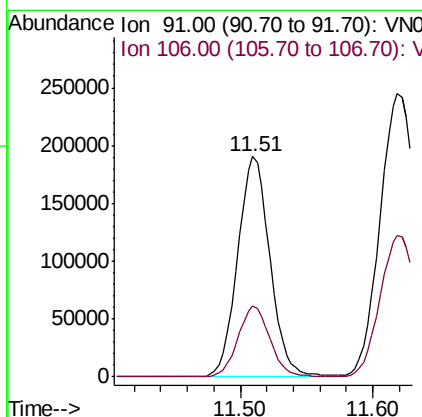
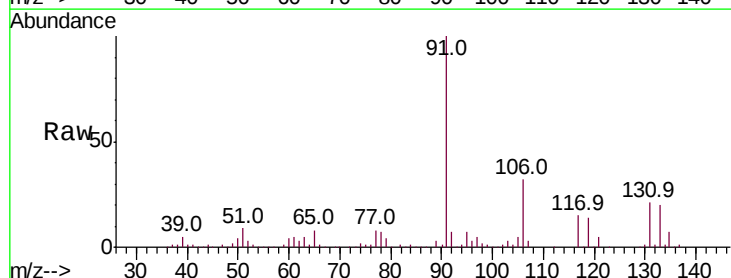
RT: 11.51 min Scan# 3028

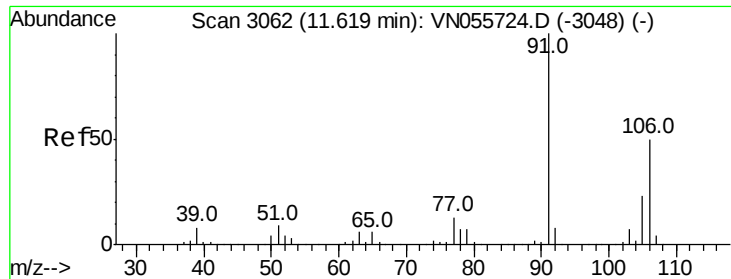
Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.6	38.4





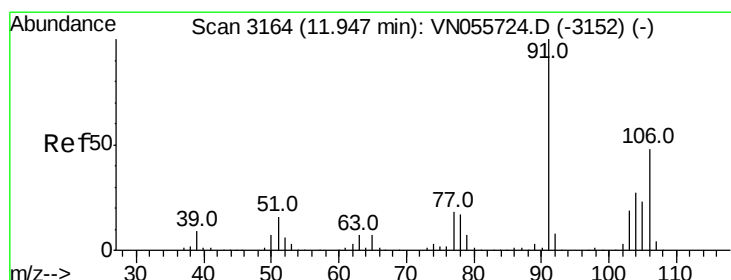
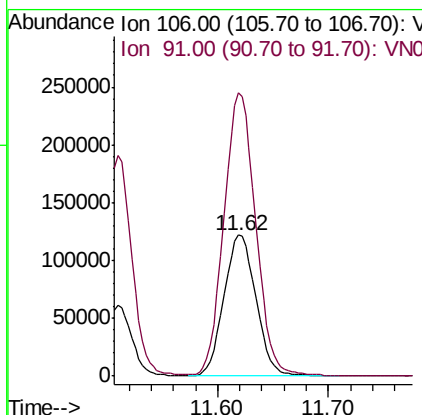
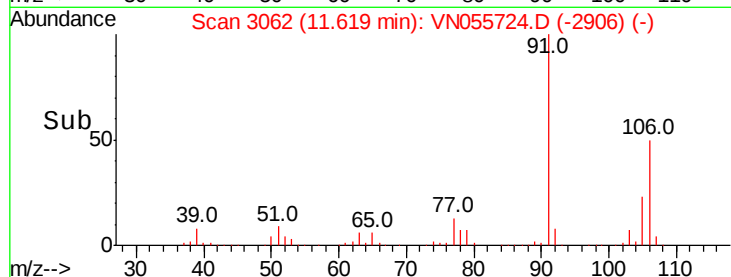
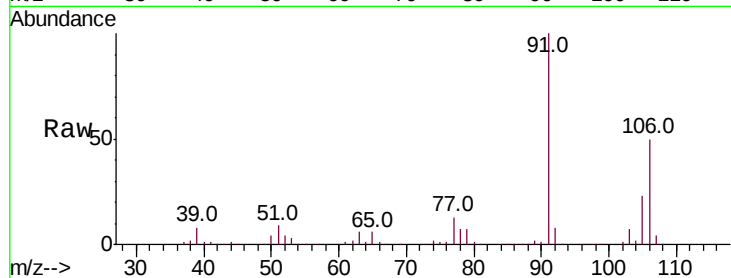
#67
m/p-Xylenes
Concen: 41.292 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 246356
Ion Ratio Lower Upper
106 100
91 199.4 159.5 239.3

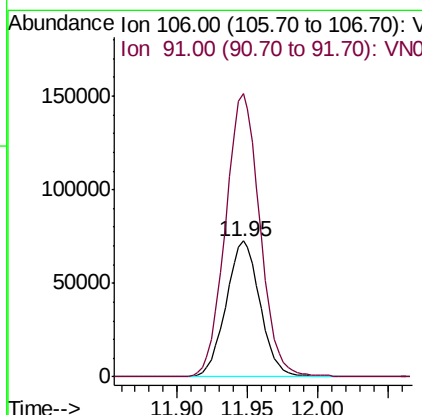
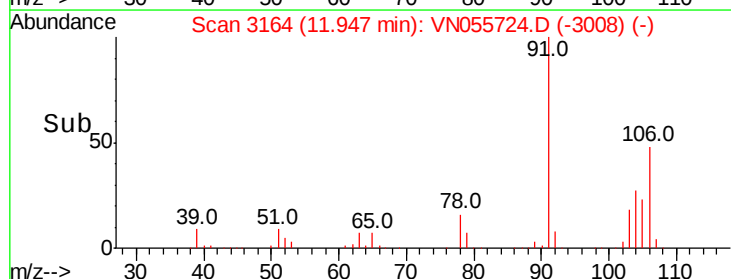
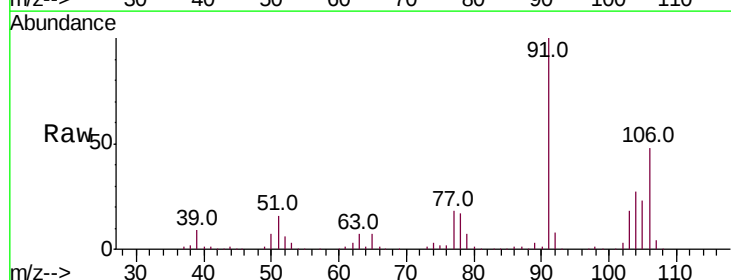
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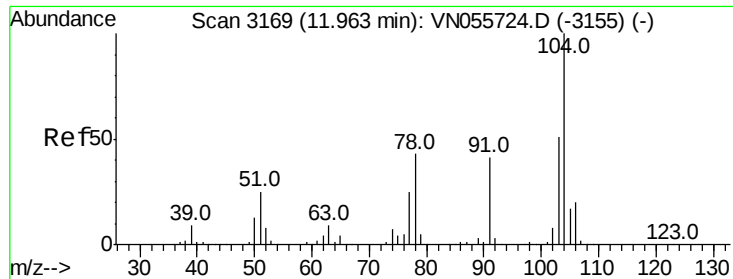
MMDadoda
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#68
o-Xylene
Concen: 20.681 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion:106 Resp: 122596
Ion Ratio Lower Upper
106 100
91 210.7 105.4 316.1





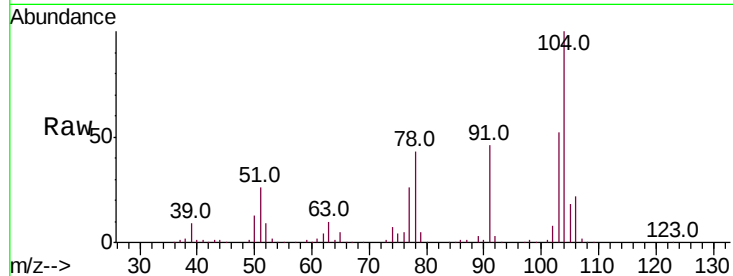
#69
Stvrene
Concen: 21.000 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

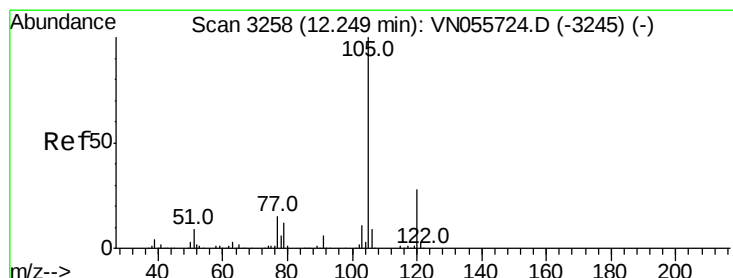
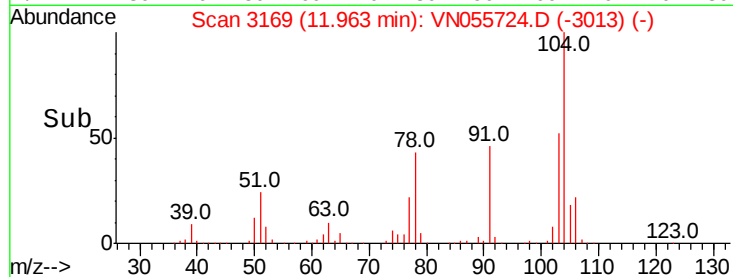
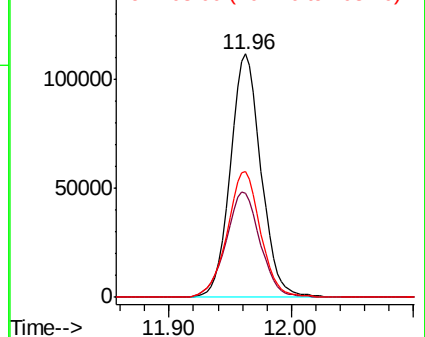
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.7	58.1
103	56.3	45.0	67.6

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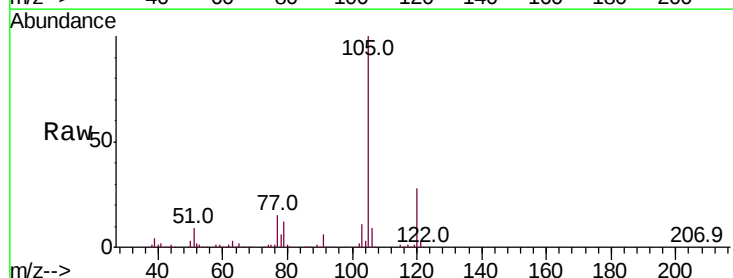


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

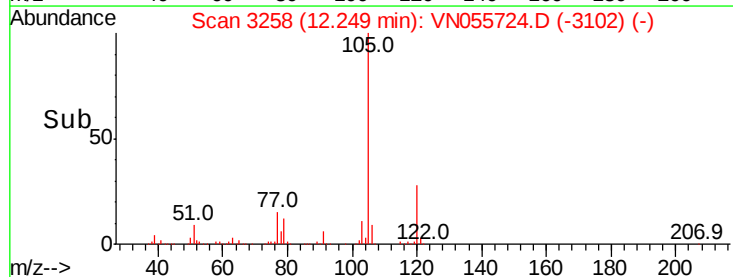
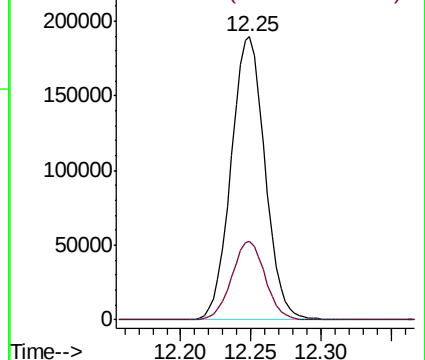


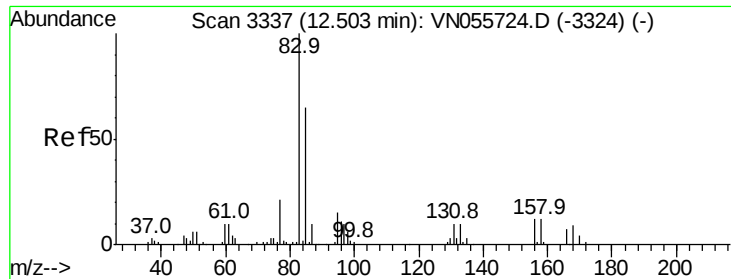
#70
Isopropylbenzene
Concen: 20.449 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.2	35.6



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





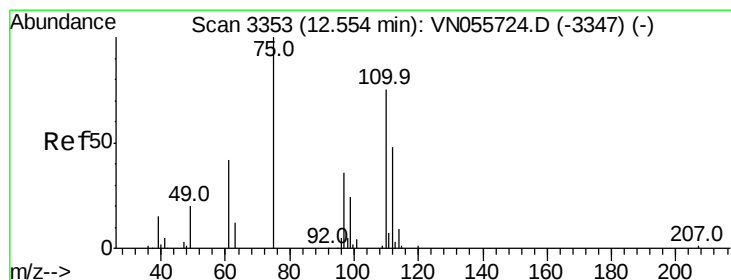
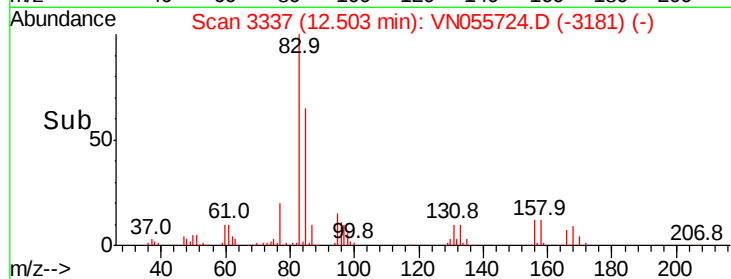
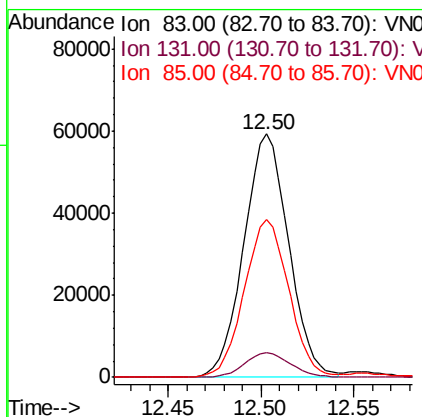
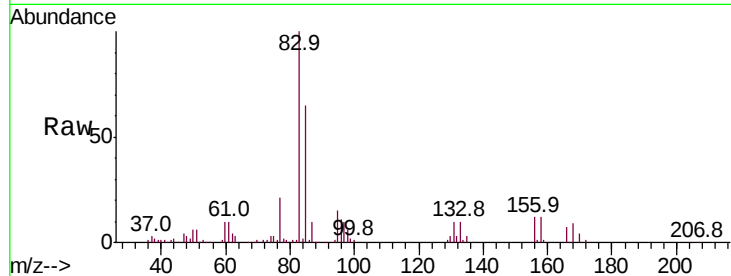
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.434 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	99416
Ion Ratio	100	Lower	Upper
131	10.5	5.3	15.8
85	64.6	32.3	96.9

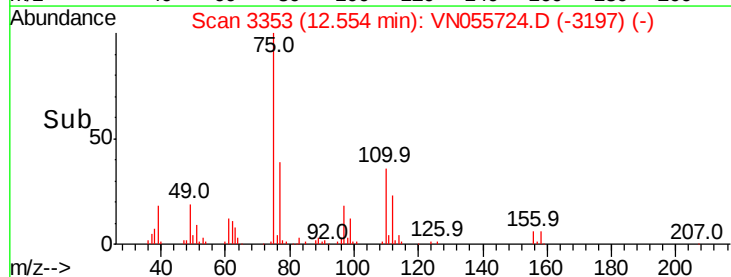
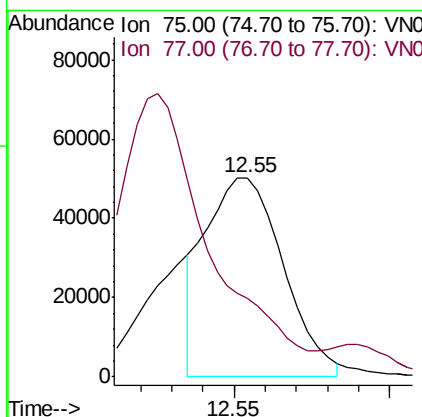
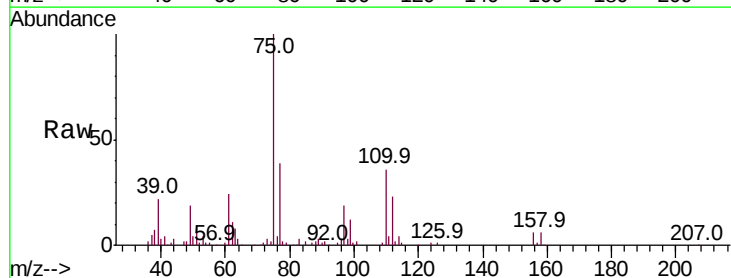
Manual Integrations
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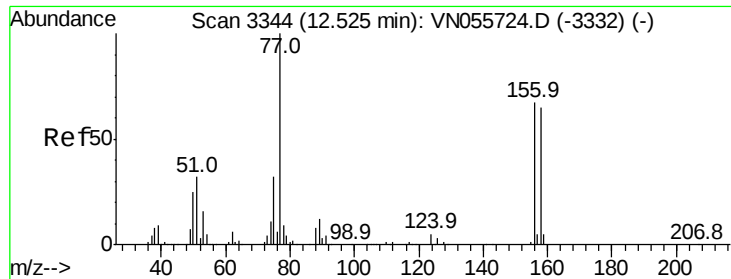
MMDadoda
 5/23/2019 12:30:56 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.512 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	75	Resp	87167
Ion Ratio	100	Lower	Upper
77	174.9	0.0	349.8





#73

Bromobenzene

Concen: 21.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

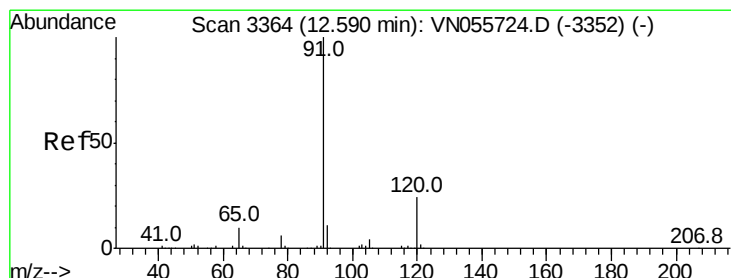
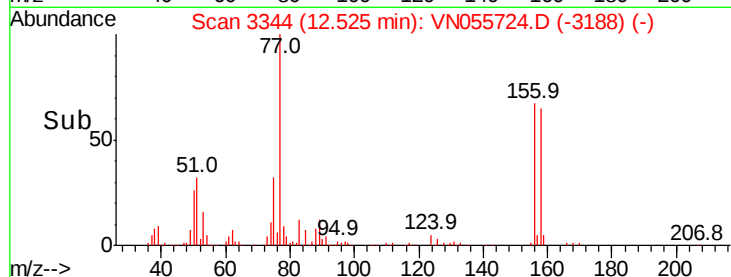
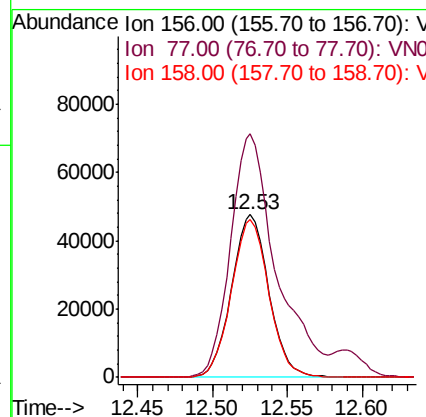
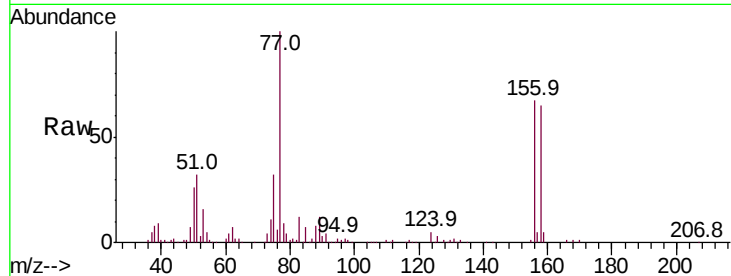
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	82871
Ion Ratio	Lower	Upper	
156	100		
77	184.0	0.0	368.0
158	97.5	0.0	195.0

Manual Integrations
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5/23/2019 12:30:56 PM



#74

n-propylbenzene

Concen: 19.554 ug/l

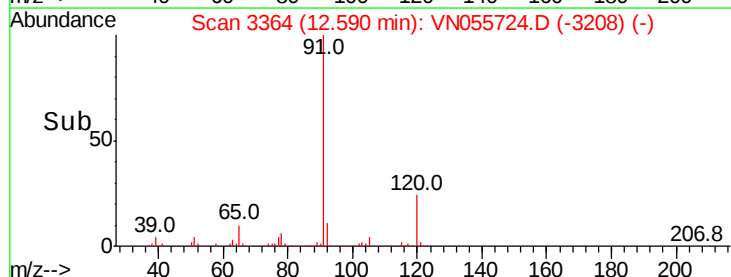
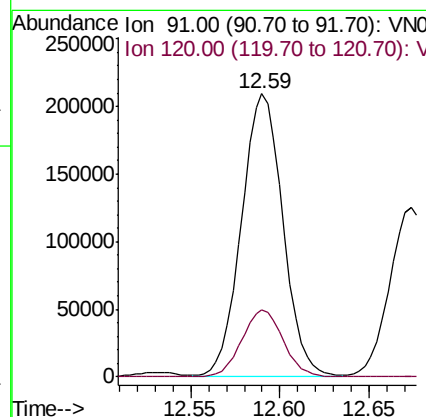
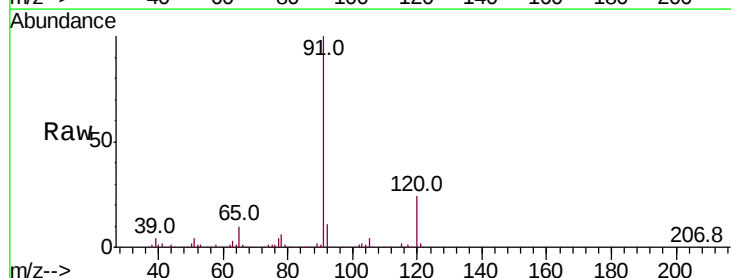
RT: 12.59 min Scan# 3364

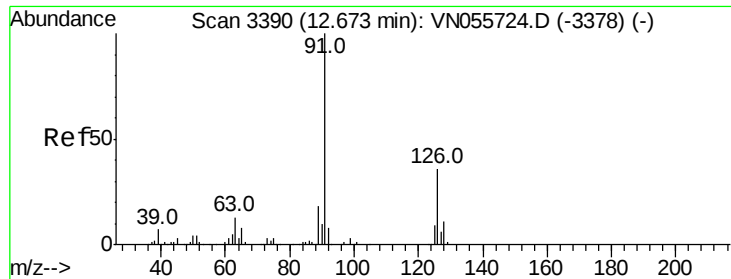
Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Tgt Ion:	91	Resp:	338316
Ion Ratio	Lower	Upper	
91	100		
120	23.7	0.0	47.4





#75

2-Chlorotoluene

Concen: 19.787 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 210126

Ion Ratio Lower Upper

91 100

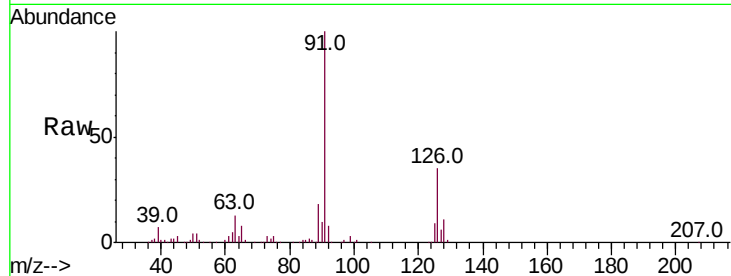
126 35.5 0.0 71.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

150000

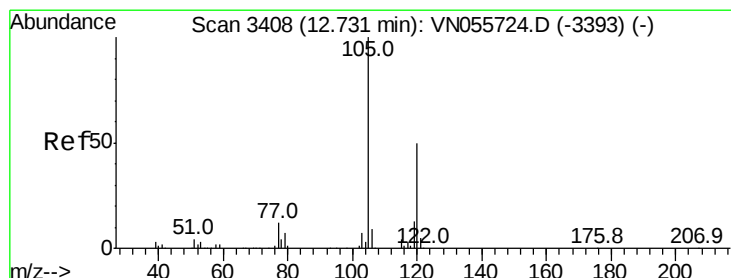
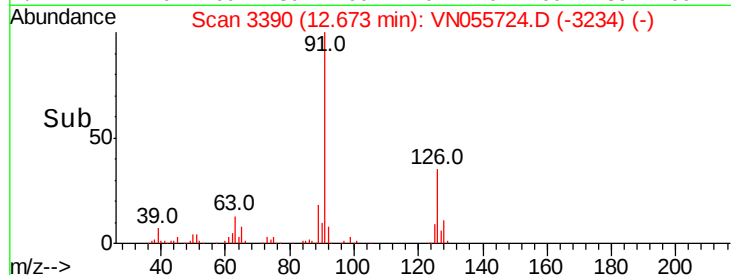
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.528 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055724.D

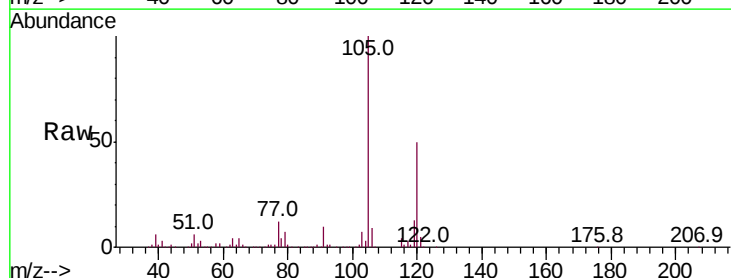
Acq: 22 May 2019 17:22

Tgt Ion:105 Resp: 264205

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

150000

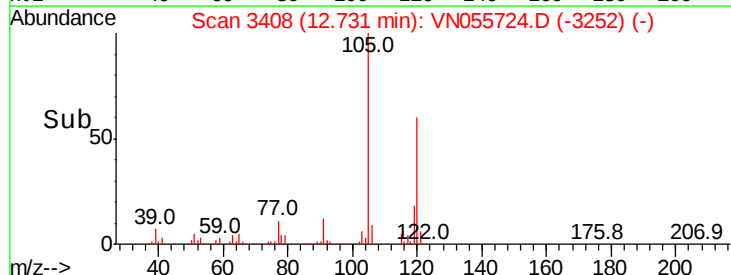
100000

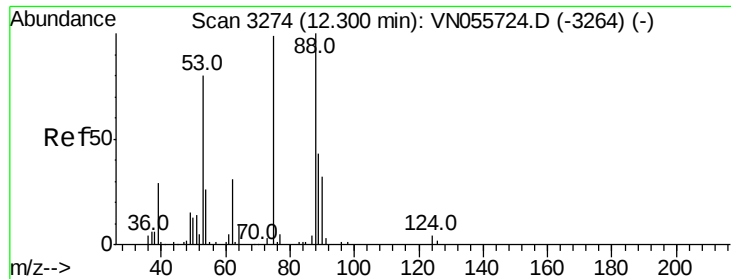
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 28.139 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

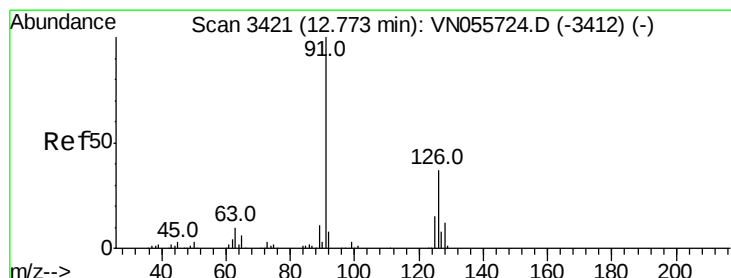
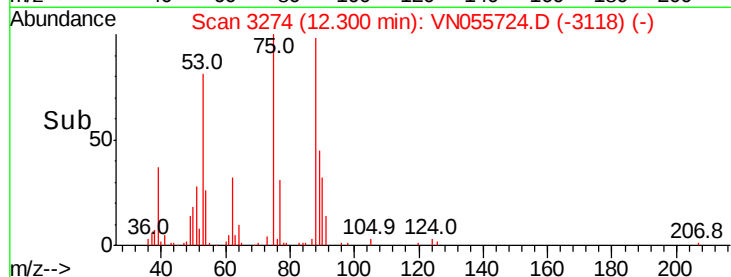
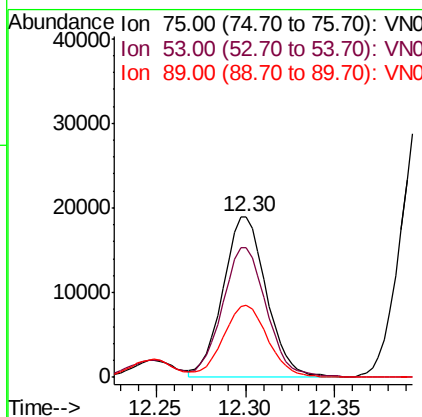
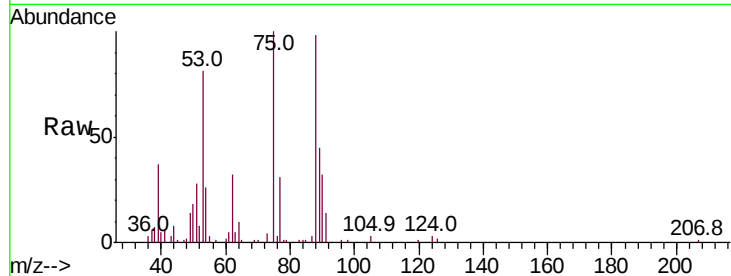
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	32048
Ion	Ratio	Lower	Upper
75	100		
53	80.2	40.1	120.3
89	45.2	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.241 ug/l

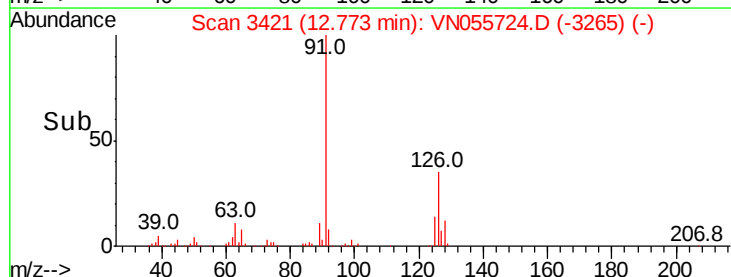
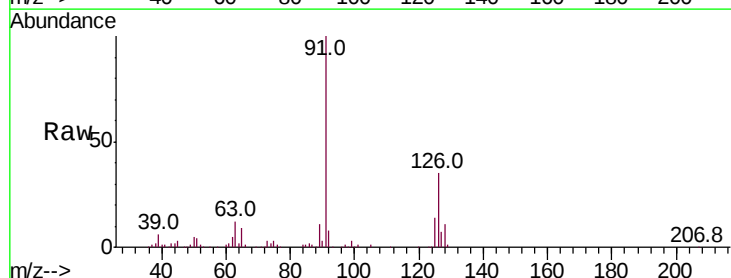
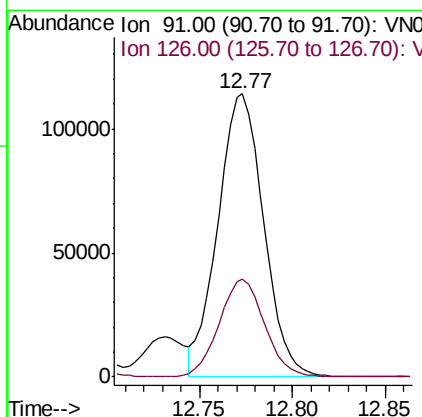
RT: 12.77 min Scan# 3421

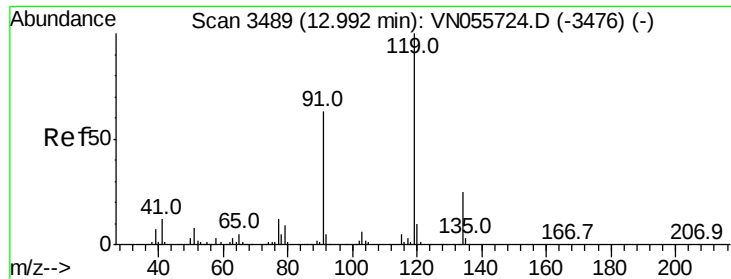
Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Tgt Ion:	91	Resp:	193709
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	69.0





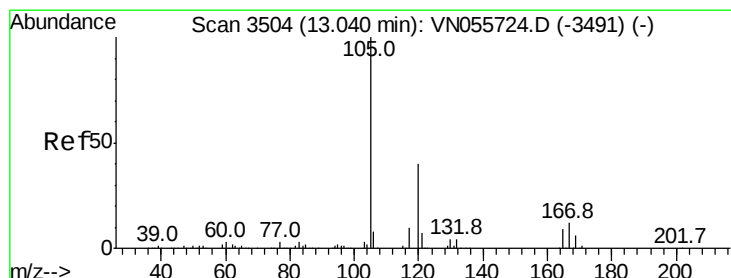
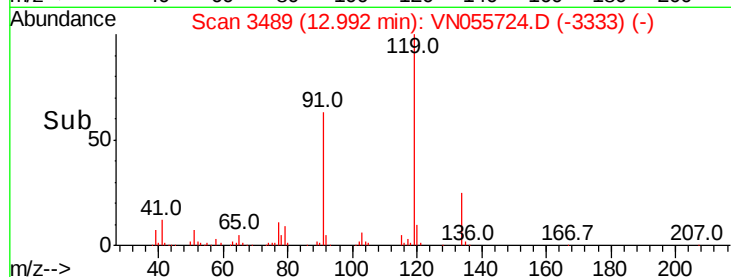
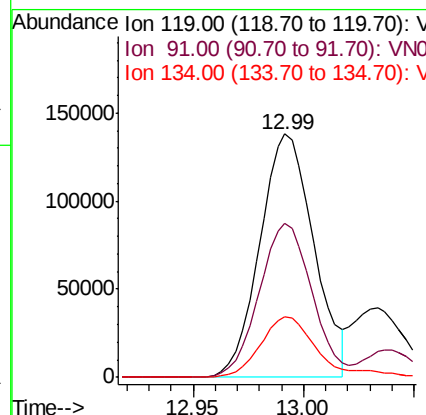
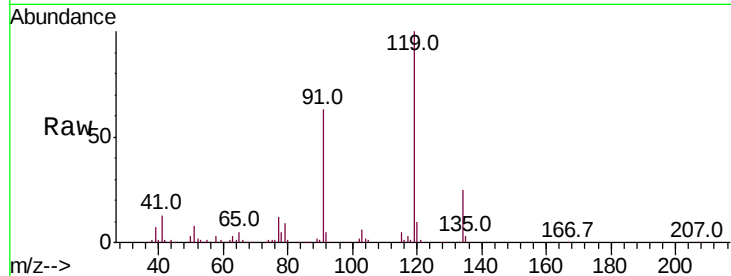
#79
tert-butylbenzene
Concen: 21.090 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234796		
91	61.9	0.0	123.8	
134	26.3	0.0	52.6	

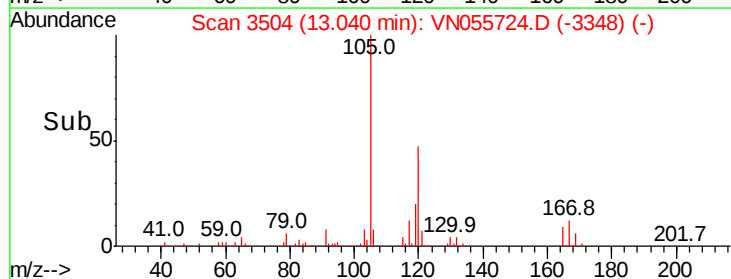
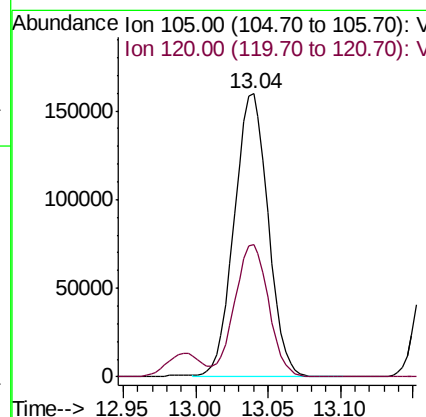
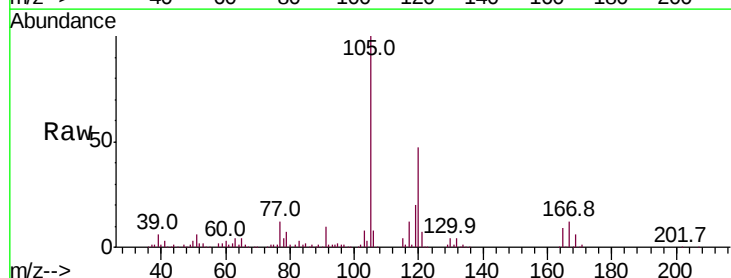
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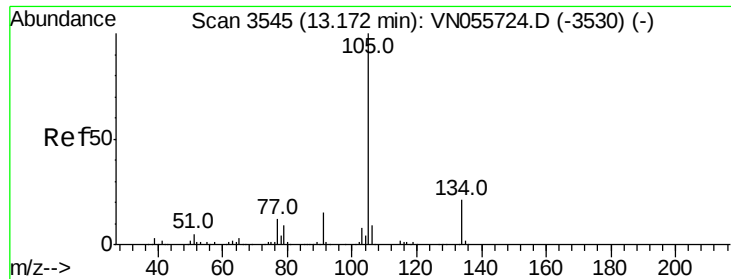
MMDadoda
5/23/2019 12:30:56 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.879 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259362		
120	46.8	0.0	93.6	





#81

sec-Butylbenzene

Concen: 20.170 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 293975

Ion Ratio Lower Upper

105 100

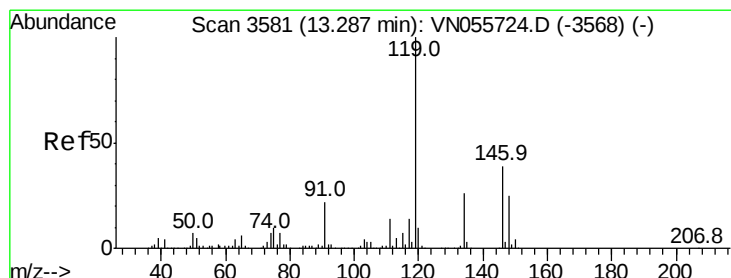
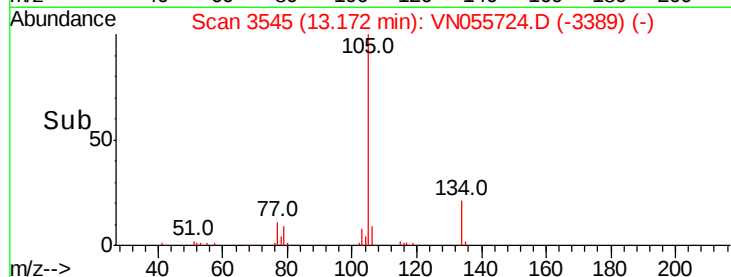
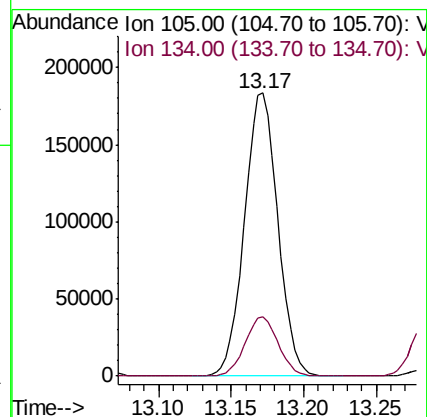
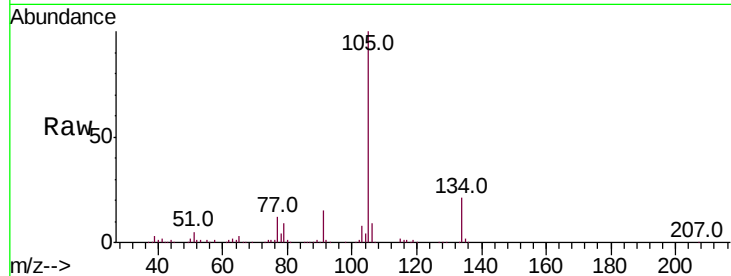
134 20.7 0.0 41.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 21.685 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

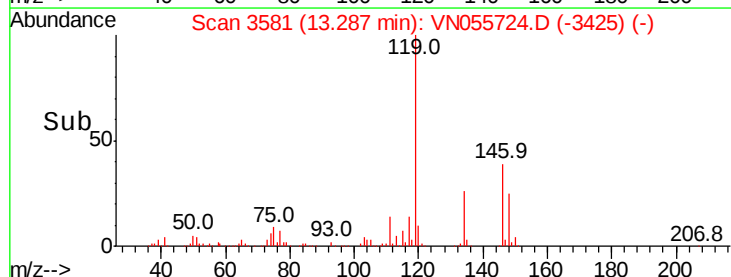
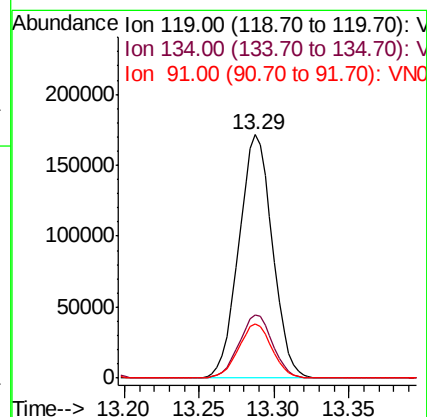
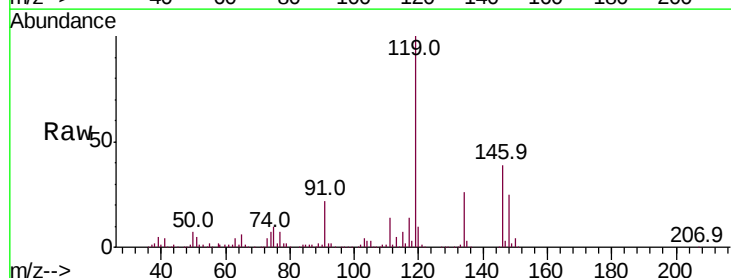
Tgt Ion:119 Resp: 268349

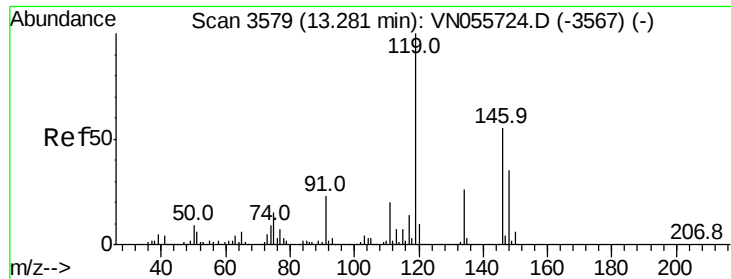
Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.0

91 22.2 0.0 44.4





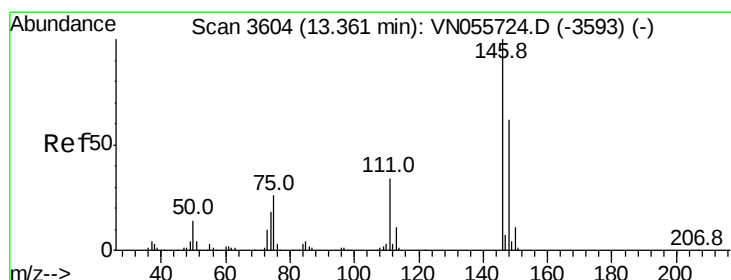
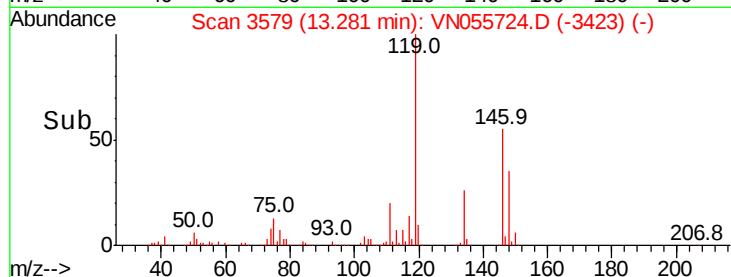
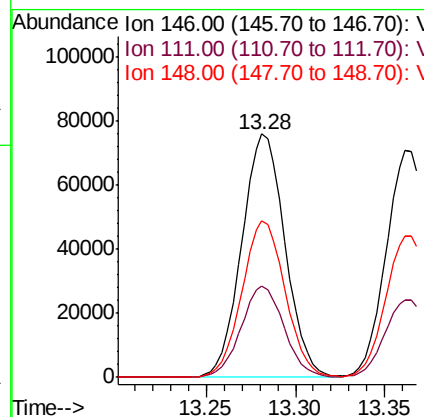
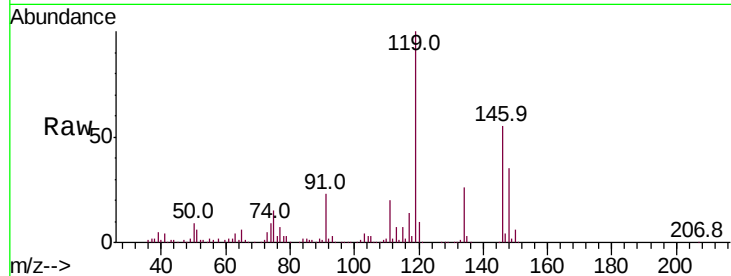
#83
1,3-Dichlorobenzene
Concen: 20.877 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.4	32.2	96.6

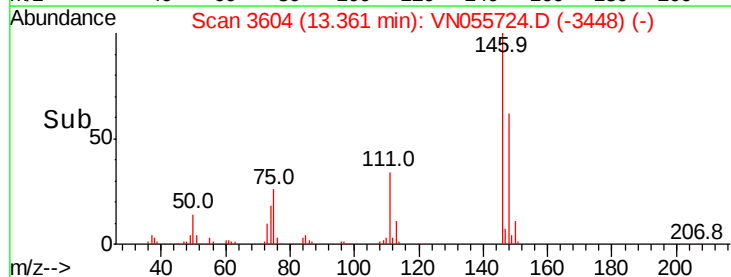
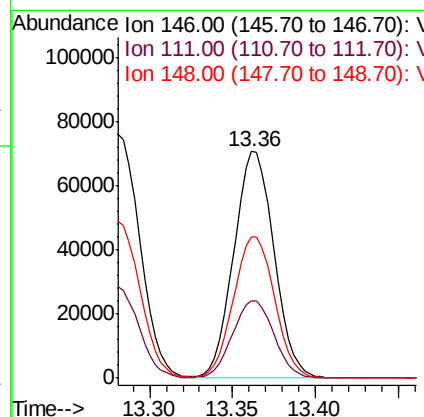
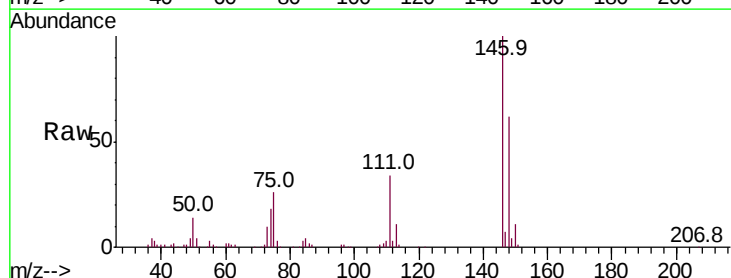
Manual Integrations
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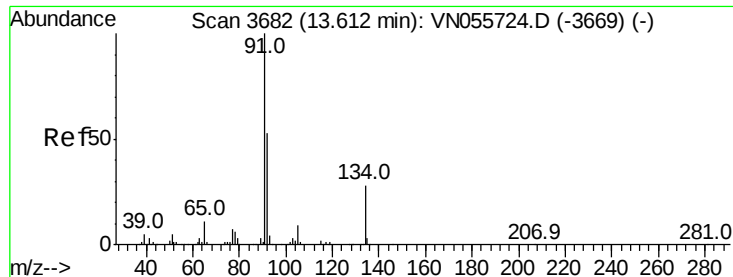
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5/23/2019 12:30:56 PM



#84
1,4-Dichlorobenzene
Concen: 20.643 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.5	52.6
148	63.6	31.8	95.4





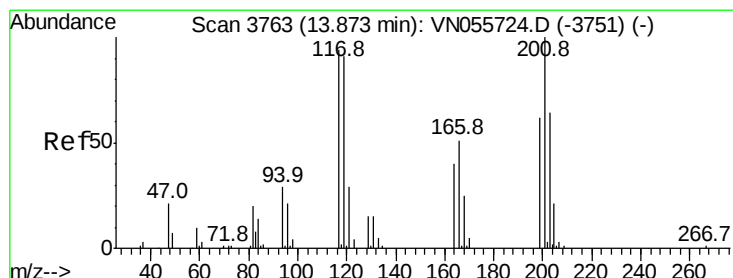
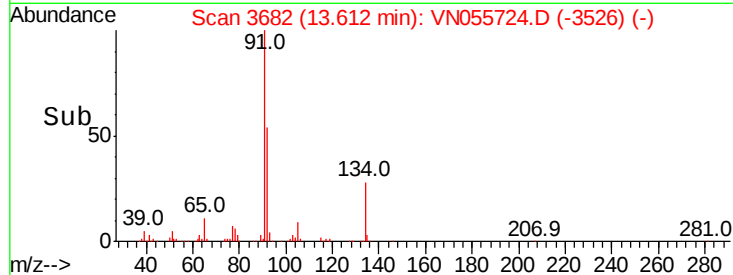
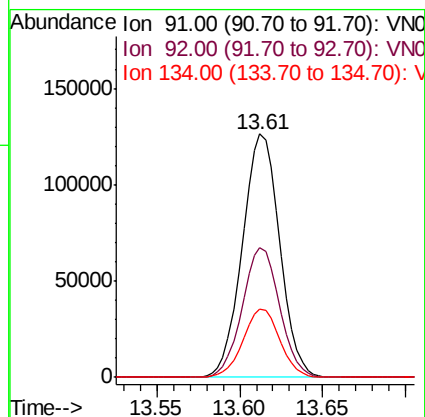
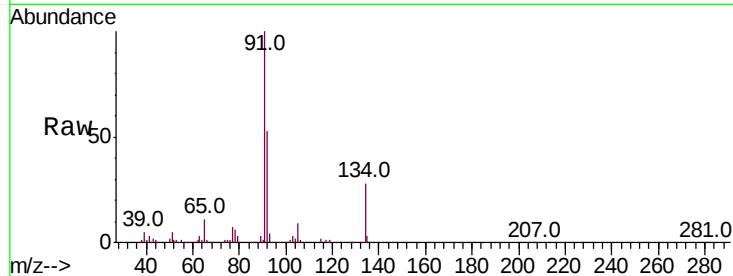
#85
n-Butylbenzene
Concen: 20.805 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198198		
92	53.4	0.0	106.8	
134	27.6	0.0	55.2	

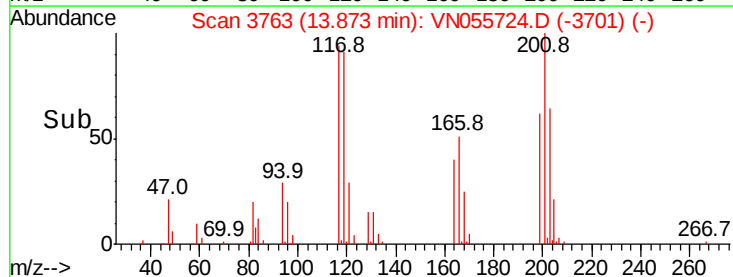
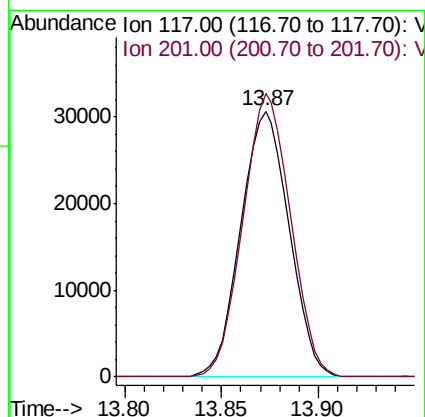
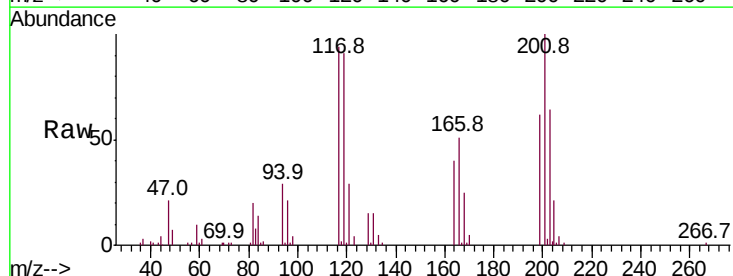
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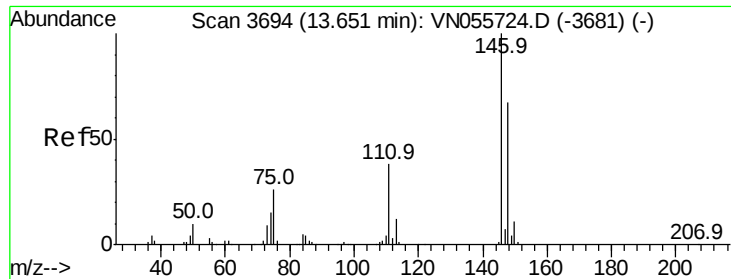
MMDadoda
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#86
Hexachloroethane
Concen: 24.149 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	53175		
201	105.1	52.5	157.6	





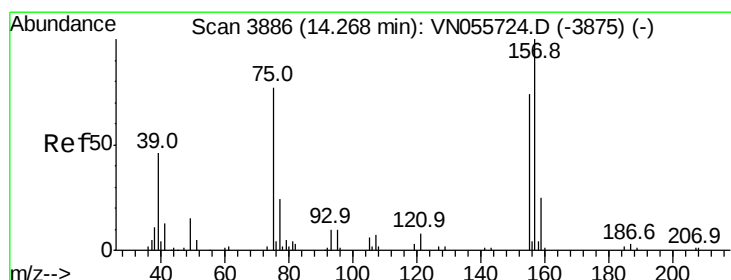
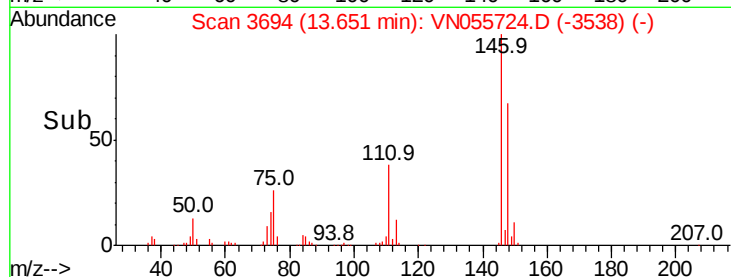
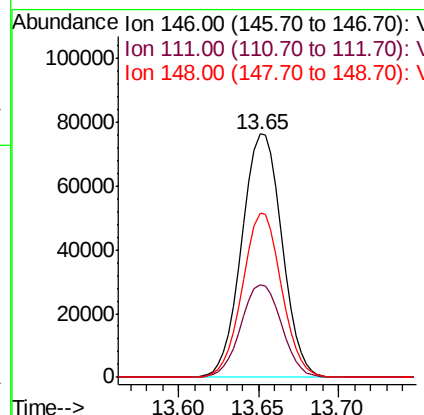
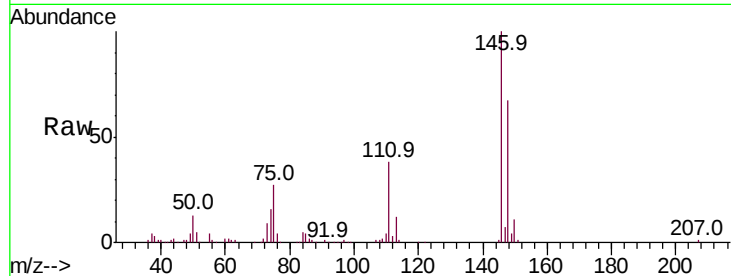
#87
 1,2-Dichlorobenzene
 Concen: 21.321 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	65.4	32.7	98.1

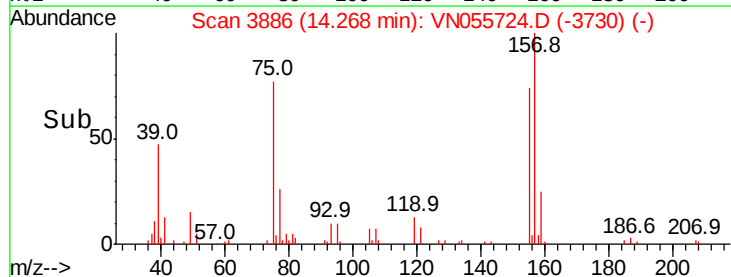
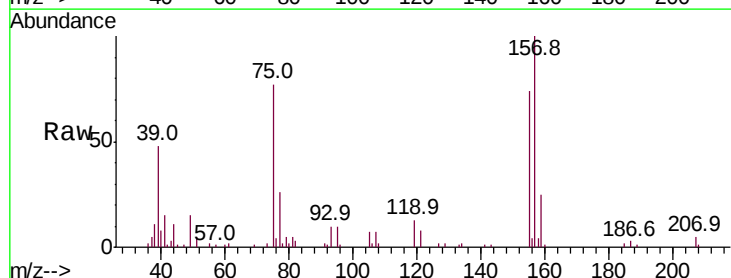
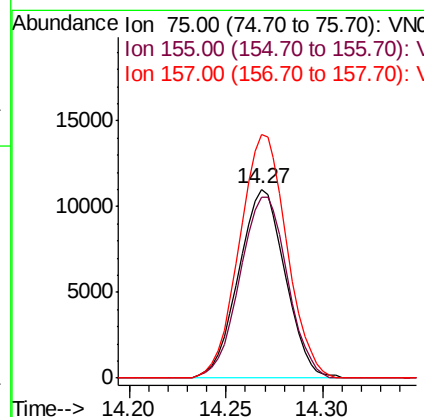
Manual Integrations
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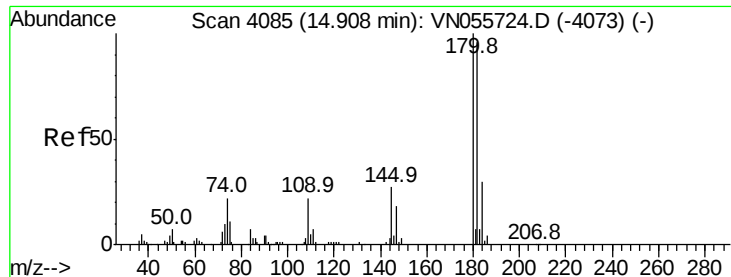
MMDadoda
 5/23/2019 12:30:56 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 26.447 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	78.4	117.6
157	131.2	105.0	157.4





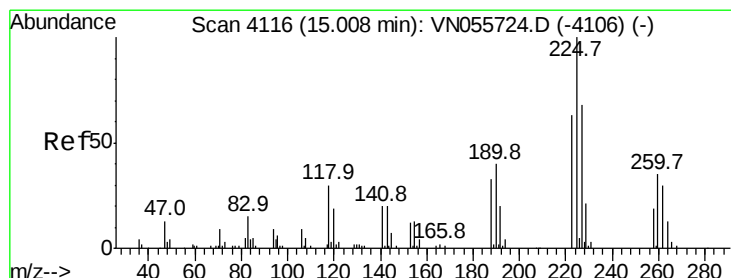
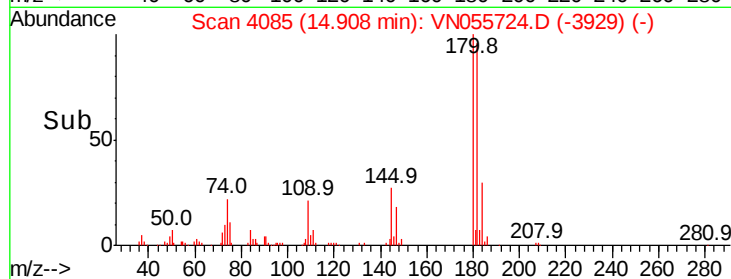
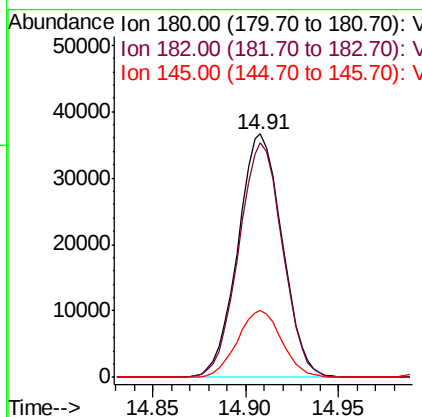
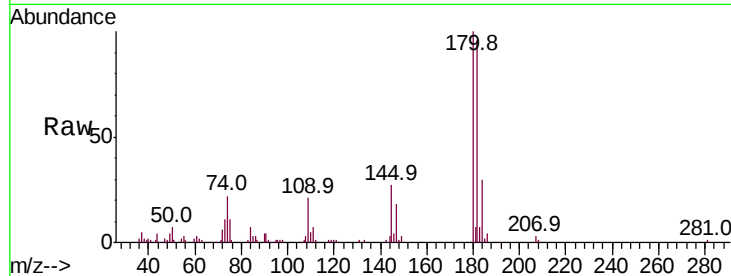
#89
 1,2,4-Trichlorobenzene
 Concen: 23.323 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60839		
182	95.1	76.1	114.1	
145	27.3	21.8	32.8	

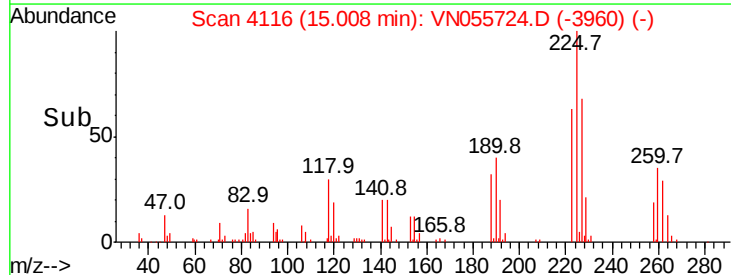
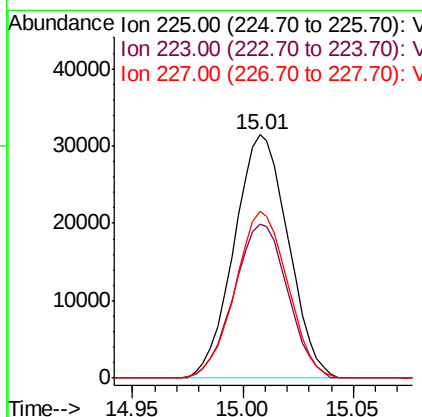
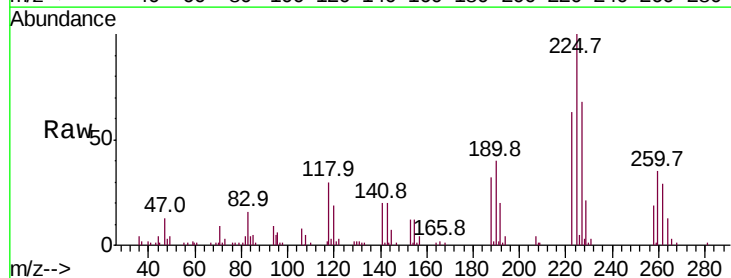
Manual Integrations
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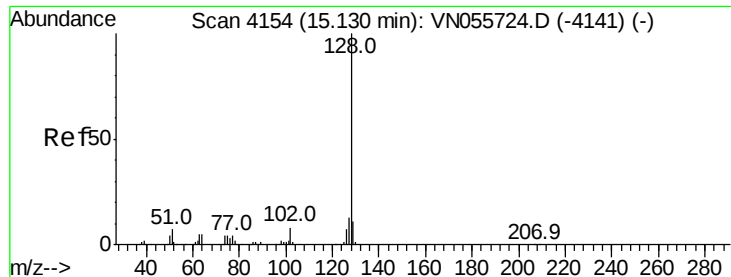
MMDadoda
 5/23/2019 12:30:56 PM



#90
 Hexachlorobutadiene
 Concen: 24.853 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53504		
223	63.0	0.0	126.0	
227	66.5	0.0	133.0	





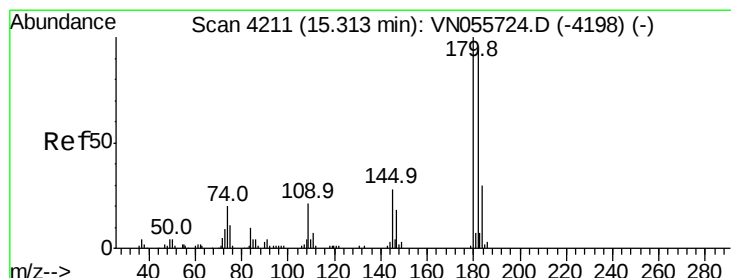
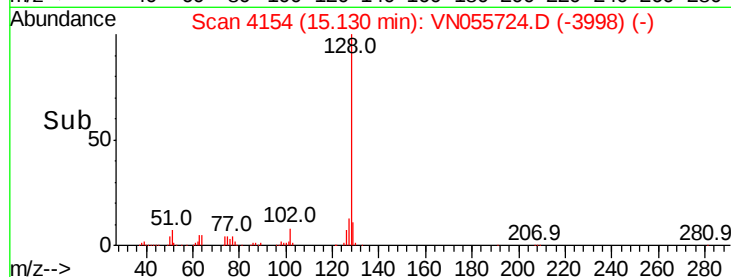
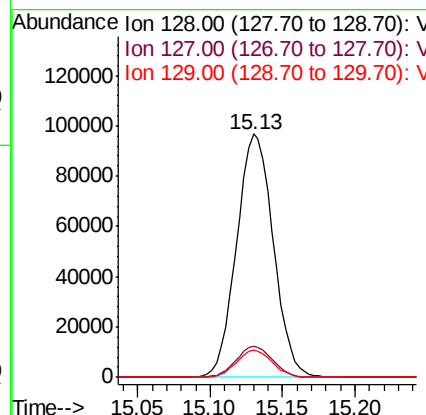
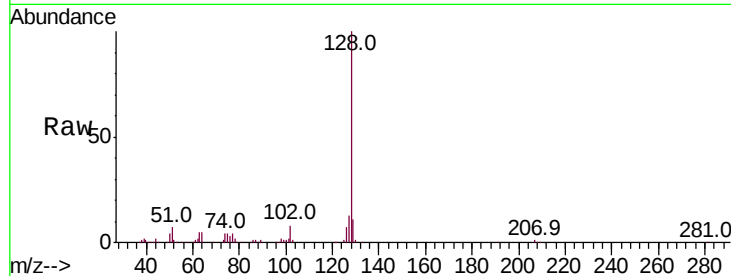
#91
Naphthalene
Concen: 26.711 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	128	Resp:	170353
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:30:56 PM



#92
1,2,3-Trichlorobenzene
Concen: 24.816 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion:	180	Resp:	68115
Ion Ratio	Lower	Upper	
180	100		
182	94.3	0.0	188.6
145	28.4	0.0	56.8

