

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055728.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:31:31 PM

Quant Time: May 23 06:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57129	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	308336	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	268751	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110829	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.40	95	122263	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	374539	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48078	19.194	ug/l 97
3) Chloromethane	2.06	50	71121	19.962	ug/l 97
4) Vinyl Chloride	2.18	62	73384	20.181	ug/l 98
5) Bromomethane	2.54	94	50434	23.689	ug/l 99
6) Chloroethane	2.69	64	44849	21.113	ug/l 96
7) Trichlorofluoromethane	3.01	101	91094	19.968	ug/l 97
8) Diethyl Ether	3.41	74	41703	20.794	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56562	19.622	ug/l 99
10) 1,1-Dichloroethene	3.72	96	61200	20.296	ug/l 99
11) Methyl Iodide	3.94	142	79082	18.384	ug/l 98
12) Methyl Acetate	4.33	43	72361	19.621	ug/l 98
13) Acrolein	3.60	56	49287	96.182	ug/l 100
14) Acrylonitrile	4.99	53	168919	100.464	ug/l 99
15) Acetone	3.82	58	49409	94.620	ug/l 87
16) Carbon Disulfide	4.04	76	178479	20.644	ug/l 100
17) Allyl chloride	4.31	41	109767	20.212	ug/l 99
18) Methylene Chloride	4.55	84	70568	20.433	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	65322	20.137	ug/l 96
20) Diisopropyl ether	5.96	45	210244	19.956	ug/l 96
21) 1,1-Dichloroethane	5.85	63	120733	20.277	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	76424	20.201	ug/l 97
23) tert-Butyl Alcohol	4.81	59	69677	94.358	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	205087	20.044	ug/l 100
25) Chloroform	7.37	83	119052	20.244	ug/l 100
26) Cyclohexane	7.65	56	109254	19.889	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	90065	20.865	ug/l 98
30) 2-Butanone	6.84	43	229729	99.853	ug/l 99
31) 2,2-Dichloropropane	6.82	77	98738	19.657	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104004	20.329	ug/l 99
33) Carbon Tetrachloride	7.77	117	93562	20.443	ug/l 98
34) Benzene	8.04	78	273839	20.549	ug/l 98
35) Methacrylonitrile	7.18	41	42366	19.951	ug/l 99
36) 1,2-Dichloroethane	8.12	62	89628	20.581	ug/l 100
37) Trichloroethene	8.83	130	74580	20.058	ug/l 99
38) Methylcyclohexane	9.08	83	109292	19.985	ug/l 99
39) 1,2-Dichloropropane	9.12	63	74127	20.692	ug/l 97
40) Dibromomethane	9.21	93	49100	21.225	ug/l 93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	96555	20.365	ug/l	100
42) Vinyl Acetate	5.90	43	912934	102.204	ug/l	100
43) Ethyl Acetate	6.93	43	91323	20.194	ug/l #	100
44) Isopropyl Acetate	8.17	43	150900	20.151	ug/l #	88
45) 1,4-Dioxane	9.20	88	28199	400.270	ug/l	96
46) Methyl methacrylate	9.20	41	69649	19.935	ug/l	98
47) n-amyl Acetate	12.07	43	122883	19.839	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	105401	20.139	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	116758	20.382	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	69485	20.633	ug/l	98
51) Ethyl methacrylate	10.43	69	110930	20.436	ug/l	98
52) 1,3-Dichloropropane	10.71	76	112040	20.184	ug/l	100
53) Dibromochloromethane	10.90	129	79528	19.990	ug/l	98
54) 1,2-Dibromoethane	11.01	107	70322	20.179	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	197960	93.729	ug/l	100
56) Bromoform	12.13	173	63302	19.398	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	456791	102.671	ug/l	100
59) 2-Hexanone	10.75	43	315535	99.204	ug/l	100
61) Tetrachloroethene	10.63	164	73313	20.152	ug/l	97
62) Toluene	10.16	91	302359	20.921	ug/l	99
64) Chlorobenzene	11.43	112	181042	20.651	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	71755	20.314	ug/l	99
66) Ethyl Benzene	11.51	91	324945	20.578	ug/l	100
67) m/p-Xylenes	11.62	106	243204	40.544	ug/l	99
68) o-Xylene	11.95	106	120072	20.228	ug/l	96
69) Styrene	11.96	104	197246	20.141	ug/l	98
70) Isopropylbenzene	12.25	105	320111	20.611	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	98413	20.589	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	88128m	21.423	ug/l	
73) Bromobenzene	12.53	156	80297	19.543	ug/l	98
74) n-propylbenzene	12.59	91	338888	20.231	ug/l	99
75) 2-Chlorotoluene	12.67	91	208018	20.330	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	261377	20.360	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31276	19.140	ug/l	97
78) 4-Chlorotoluene	12.77	91	194231	20.029	ug/l	100
79) tert-butylbenzene	12.99	119	230469	20.420	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	256131	20.098	ug/l	99
81) sec-Butylbenzene	13.17	105	293366	20.458	ug/l	99
82) p-Isopropyltoluene	13.29	119	263287	19.950	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	125198	19.438	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	115978	18.907	ug/l	99
85) n-Butylbenzene	13.61	91	199240	19.406	ug/l	99
86) Hexachloroethane	13.87	117	52411	20.191	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	126081	19.440	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17684	19.521	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	60560	17.298	ug/l	99
90) Hexachlorobutadiene	15.01	225	49239	18.850	ug/l	99
91) Naphthalene	15.13	128	177375	18.543	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66740	18.240	ug/l	99

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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

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

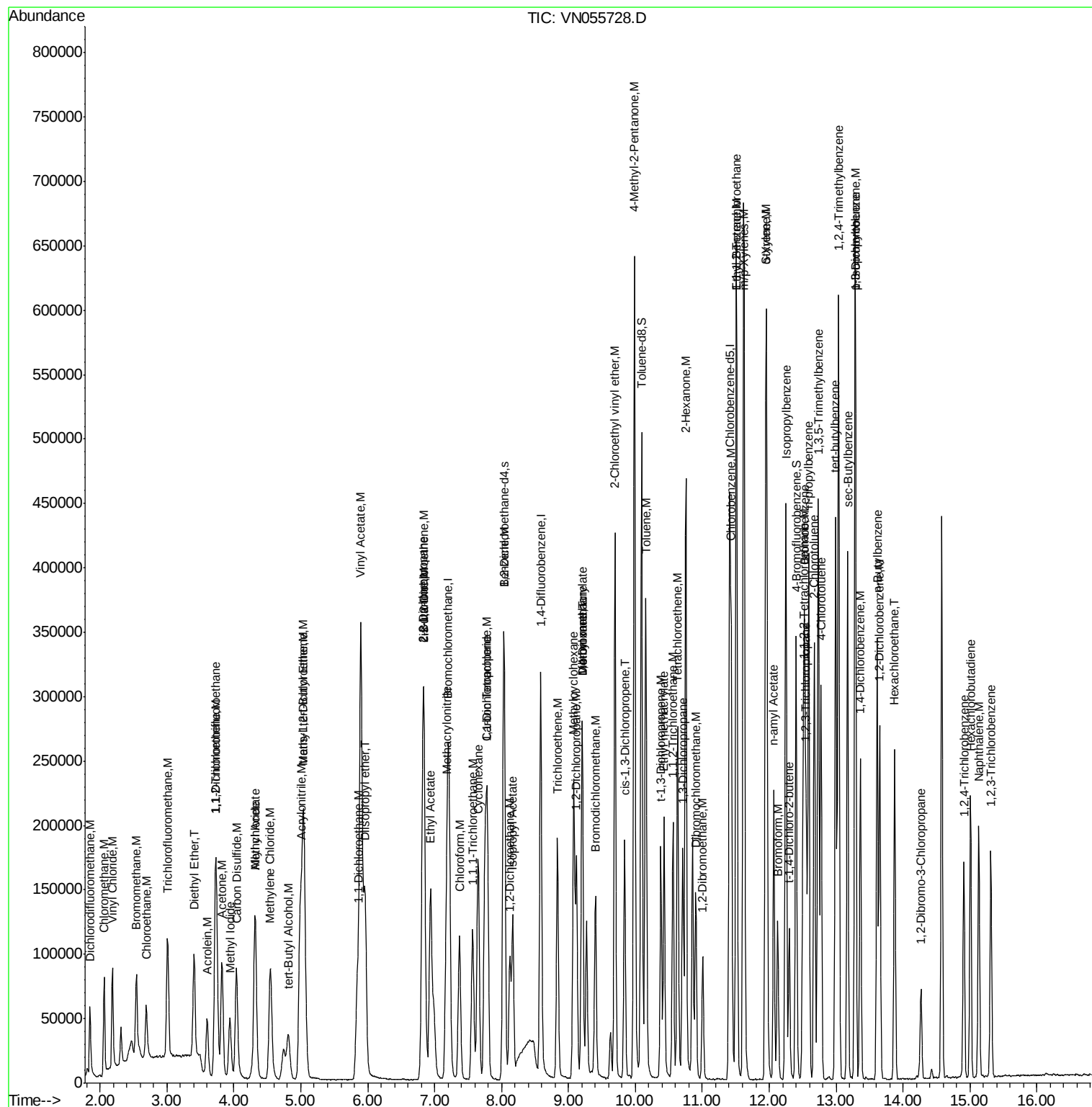
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 Data File : VN055728.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
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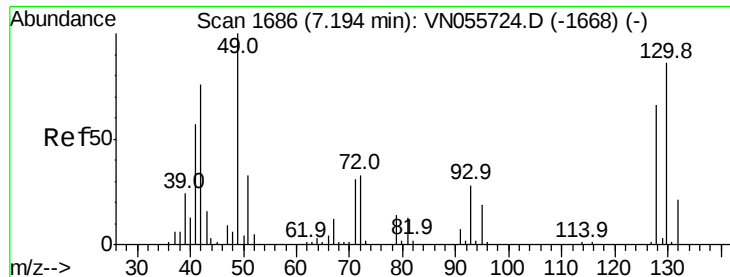
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052219

Manual Integrations
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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: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion:128 Resp: 57129

Ion Ratio Lower Upper

128 100

49 152.6 0.0 383.2

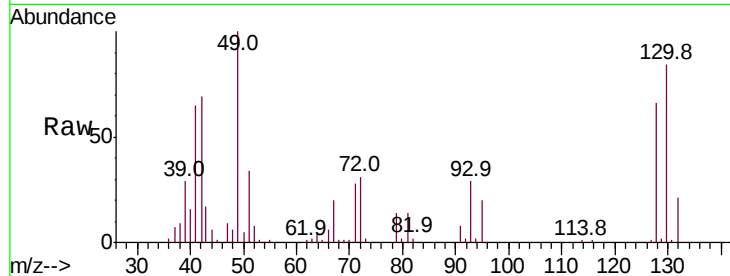
130 128.7 0.0 326.3

Manual Integrations

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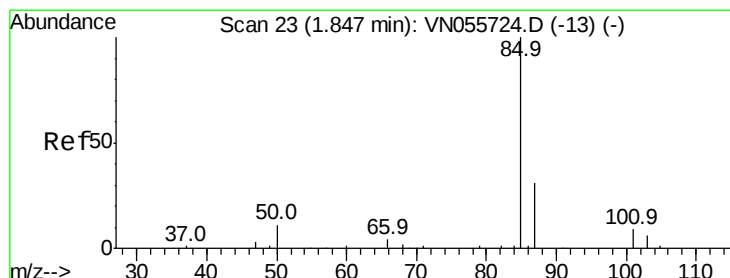
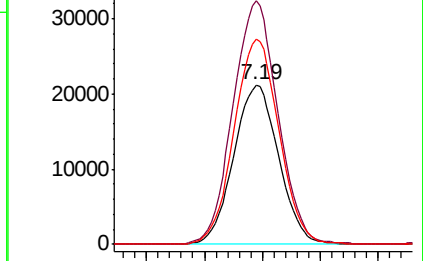
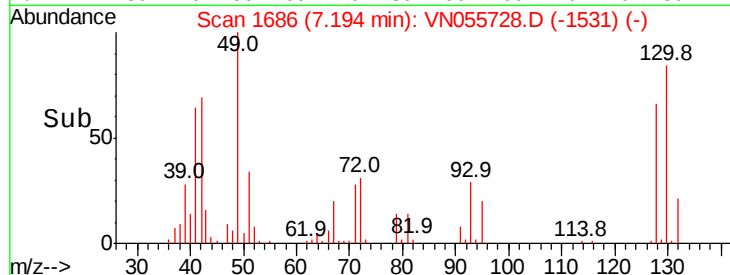
5/23/2019 12:31:31 PM



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: 19.194 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055728.D

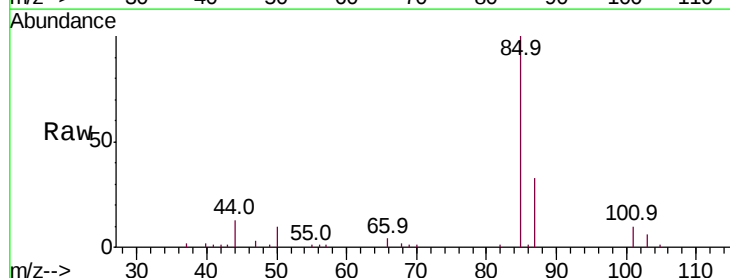
Acq: 22 May 2019 19:27

Tgt Ion: 85 Resp: 48078

Ion Ratio Lower Upper

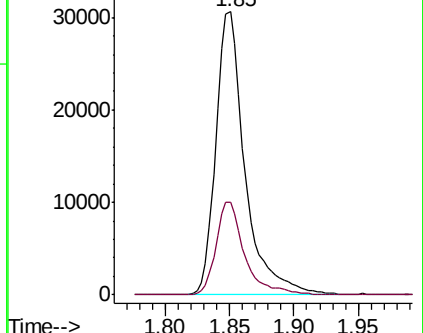
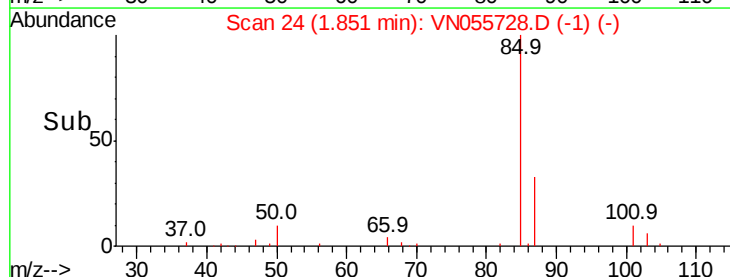
85 100

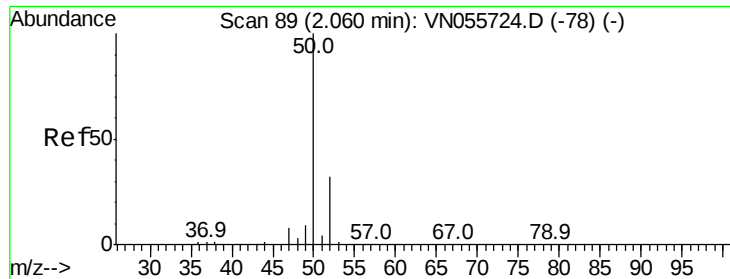
87 32.7 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.962 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion: 50 Resp: 71121

Ion Ratio Lower Upper

50 100

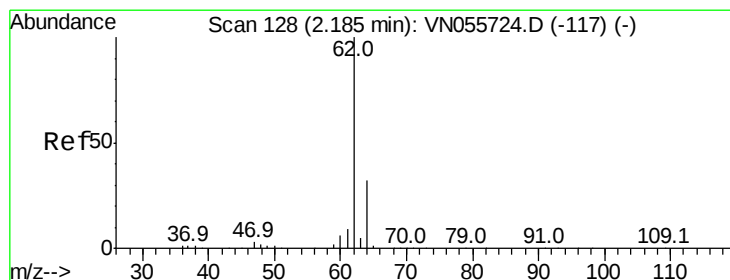
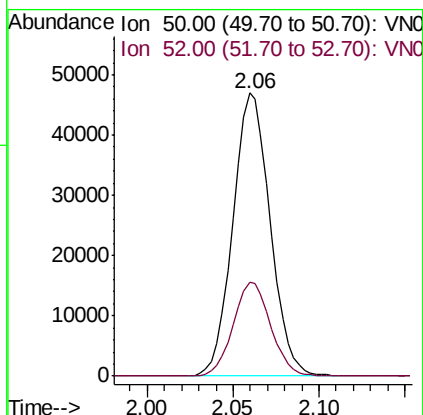
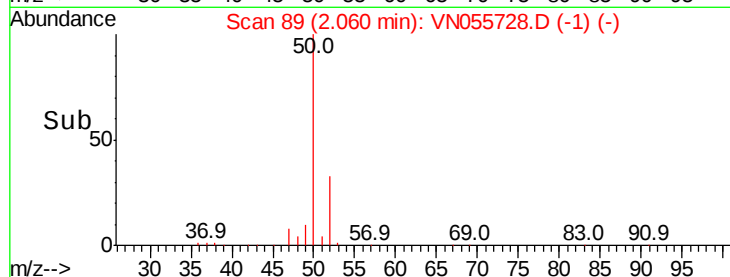
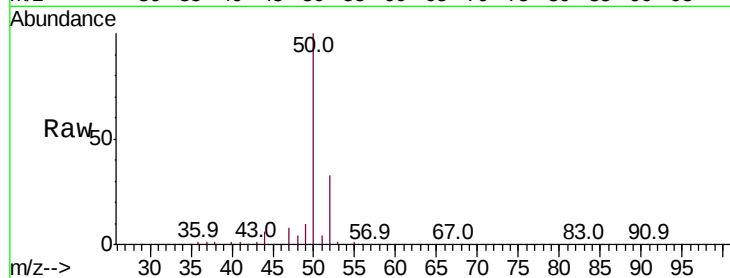
52 33.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.181 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055728.D

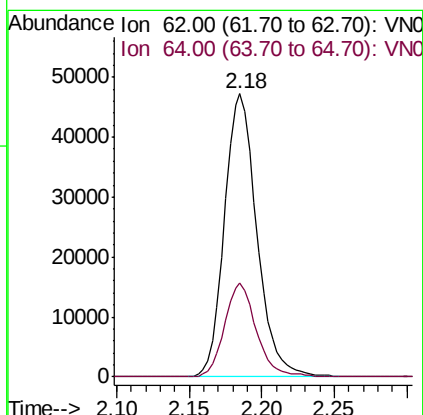
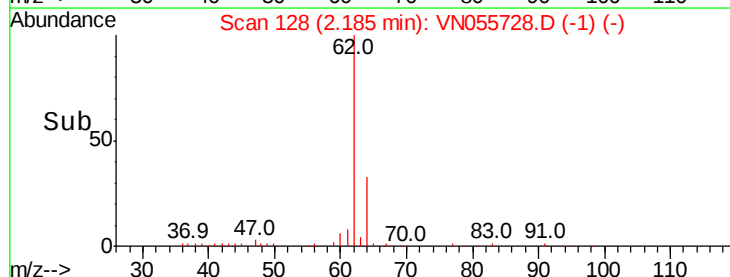
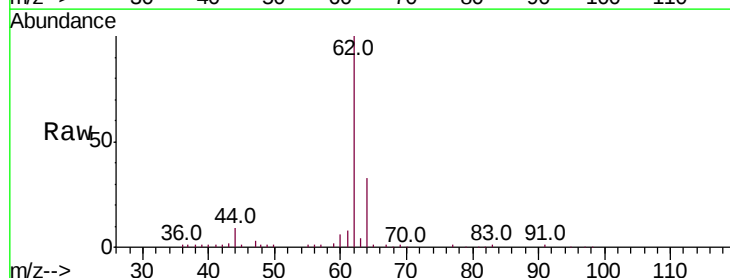
Acq: 22 May 2019 19:27

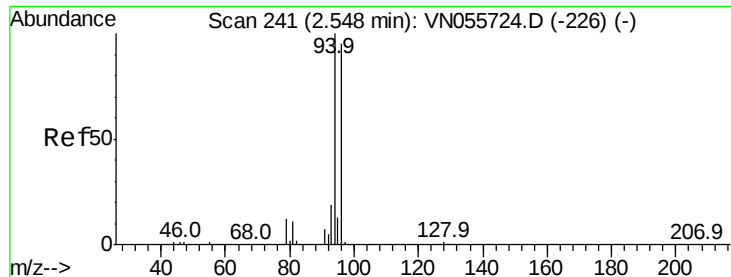
Tgt Ion: 62 Resp: 73384

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5





#5

Bromomethane

Concen: 23.689 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

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ICVVN052219

Tot Ion: 94 Resp: 50434

Ion Ratio Lower Upper

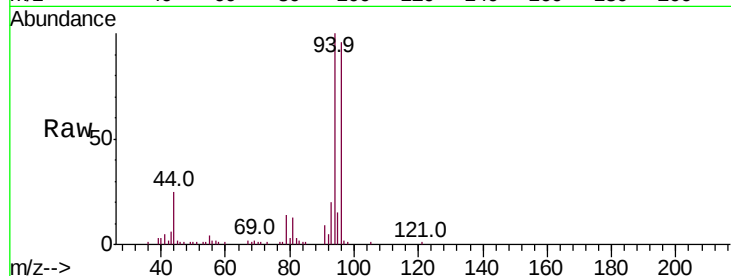
94 100

96 95.3 75.8 113.8

Manual Integrations
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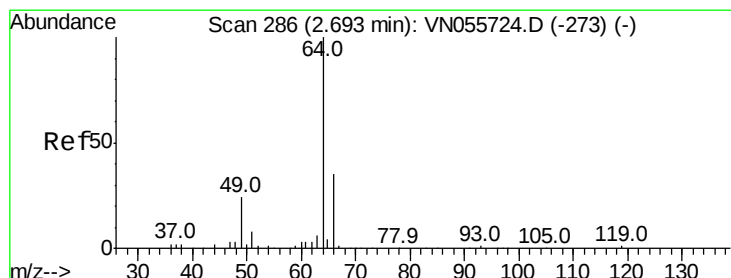
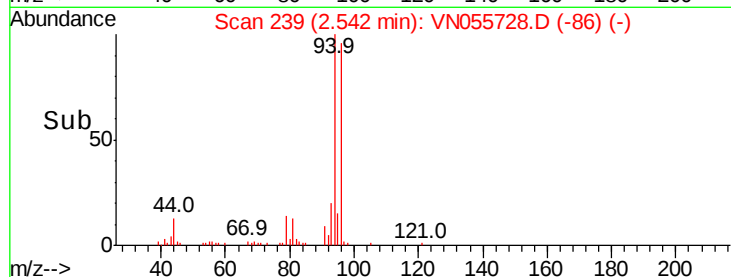
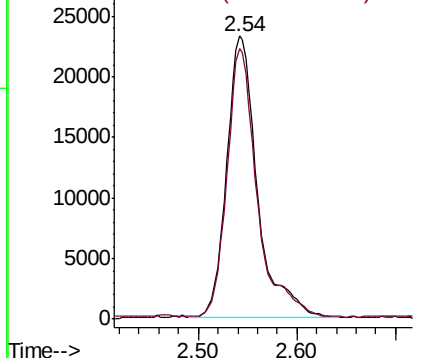
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 21.113 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055728.D

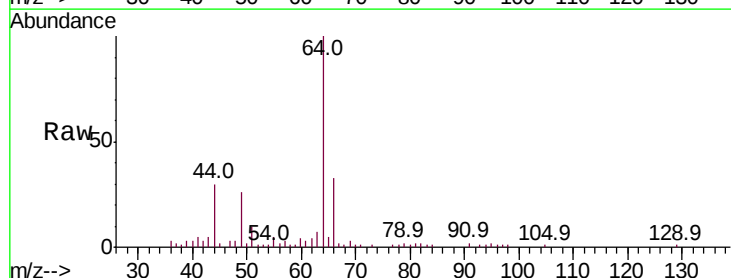
Acq: 22 May 2019 19:27

Tgt Ion: 64 Resp: 44849

Ion Ratio Lower Upper

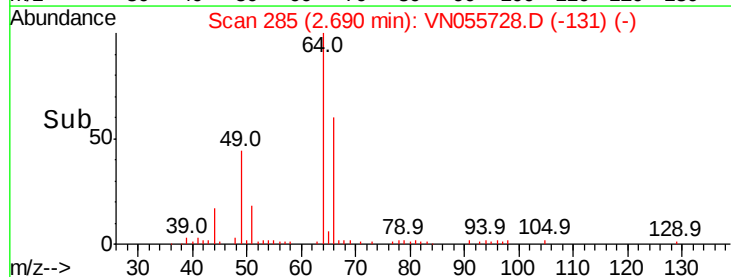
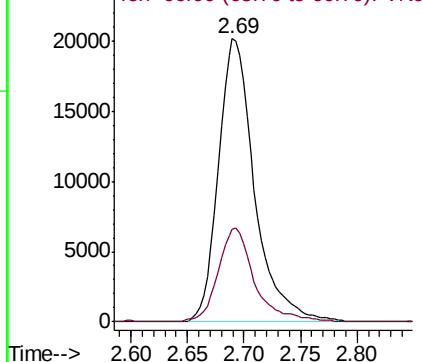
64 100

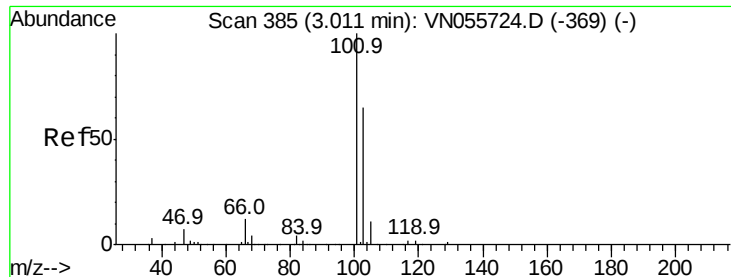
66 32.6 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

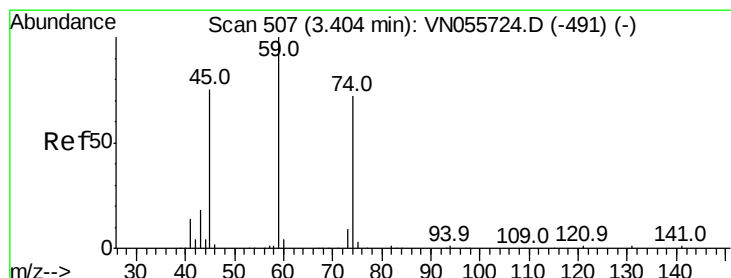
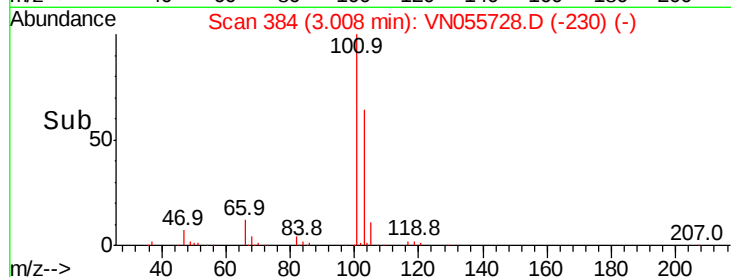
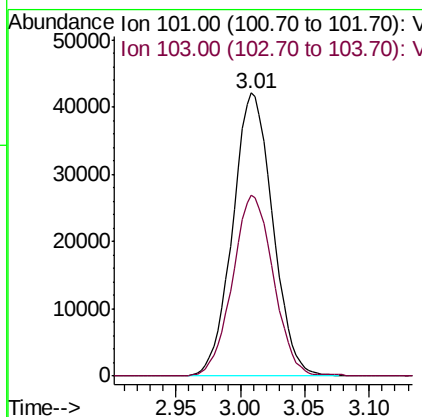
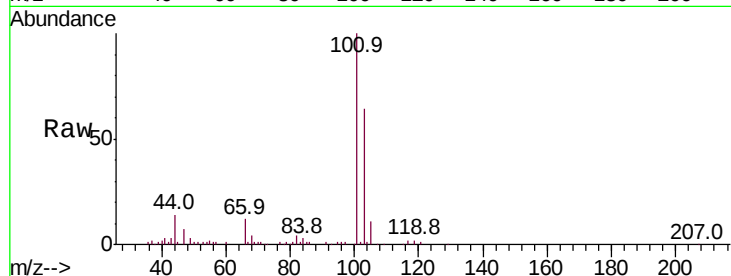
Trichlorofluoromethane
 Concen: 19.968 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.6	78.8

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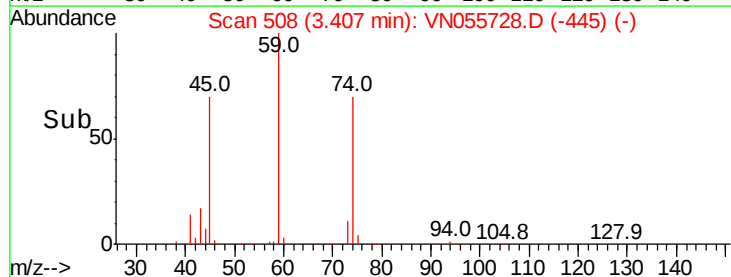
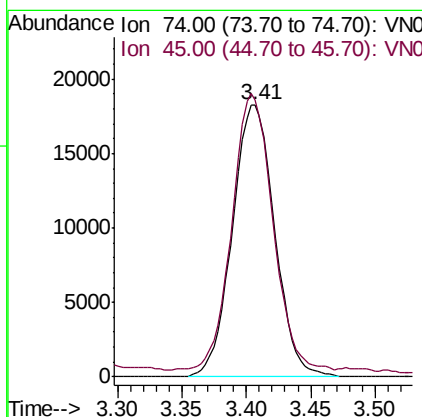
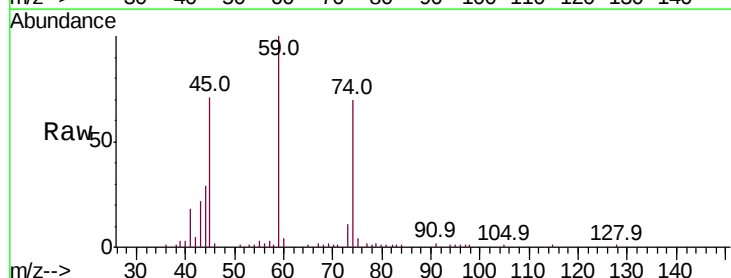
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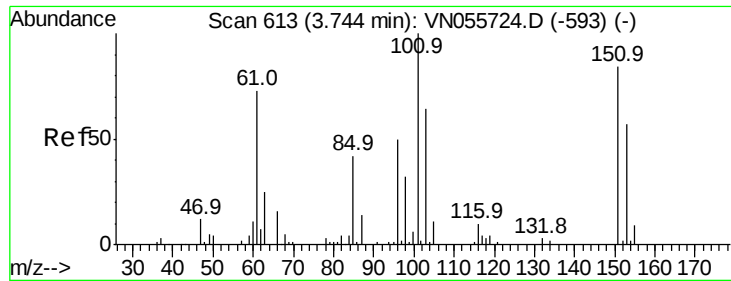


#8

Diethyl Ether
 Concen: 20.794 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	20.4	184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.622 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

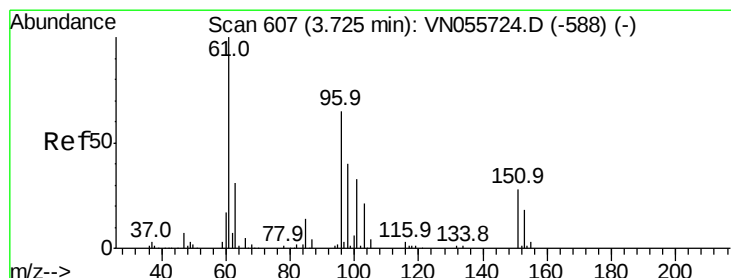
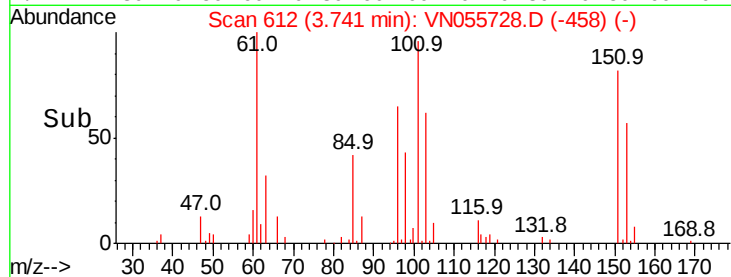
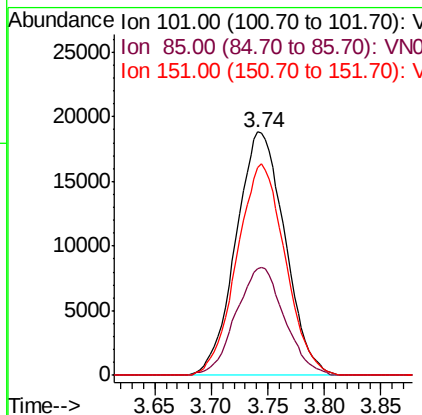
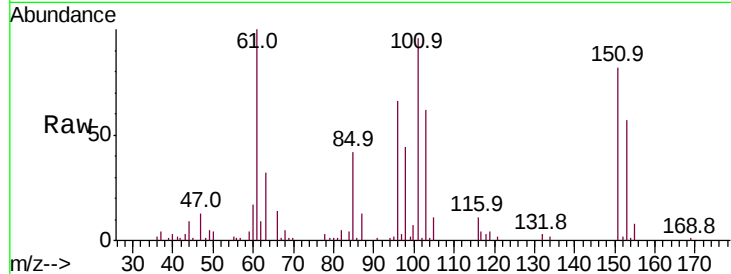
ClientSampleId :

ICVVN052219

Tot Ion:	101	Resp:	56562
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	86.6
151	85.7	0.0	172.2

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#10

1,1-Dichloroethene

Concen: 20.296 ug/l

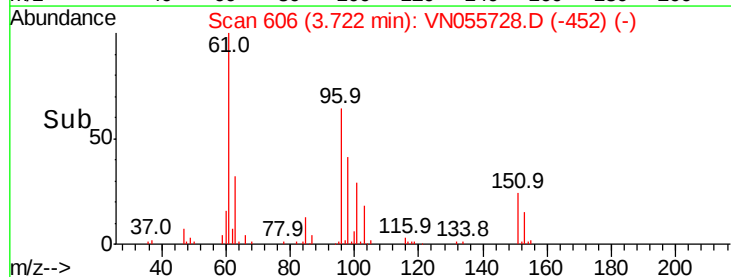
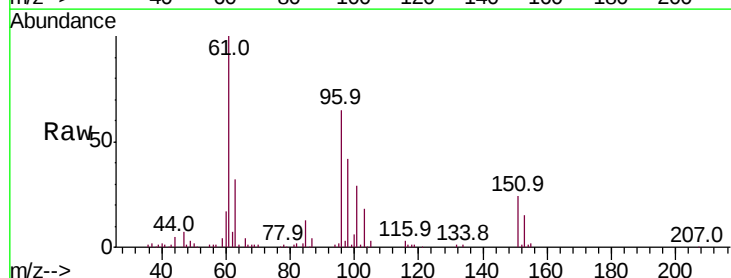
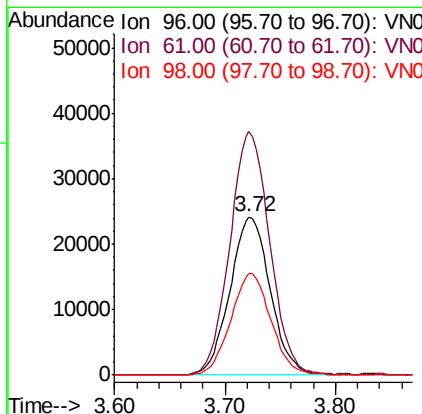
RT: 3.72 min Scan# 606

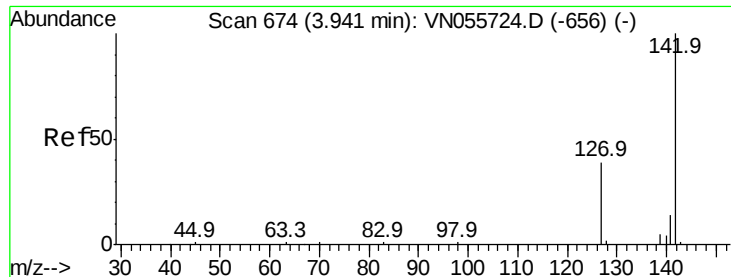
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	96	Resp:	61200
Ion Ratio	Lower	Upper	
96	100		
61	154.3	123.7	185.5
98	64.2	50.0	75.0





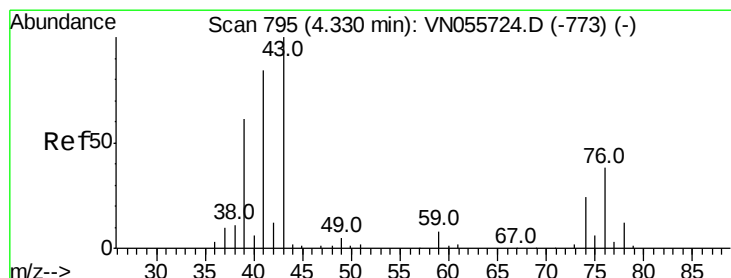
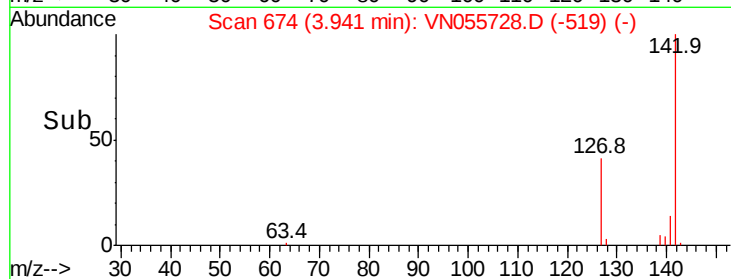
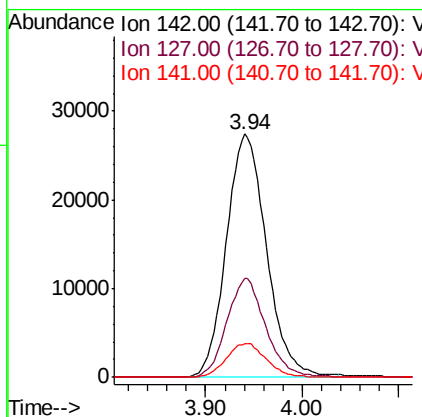
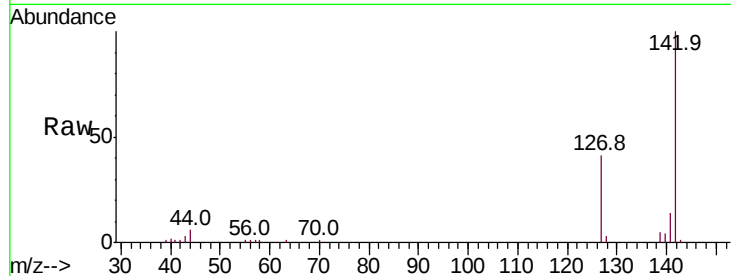
#11
Methyl Iodide
Concen: 18.384 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	19.6	58.7
141	13.8	6.9	20.6

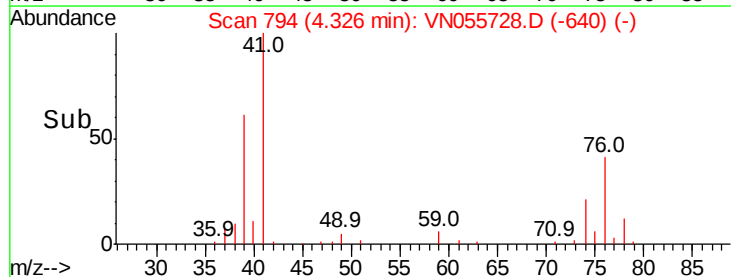
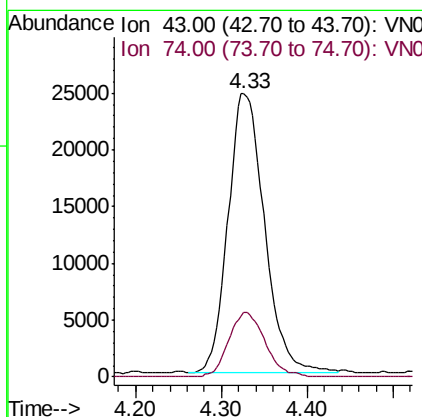
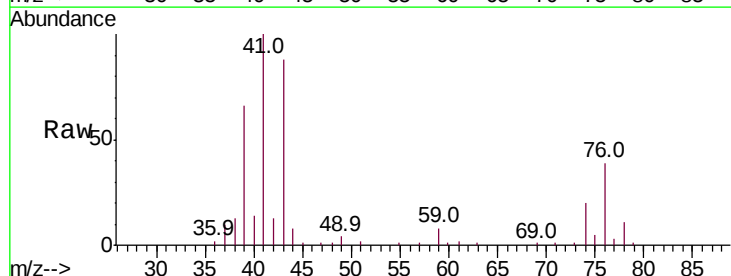
Manual Integrations
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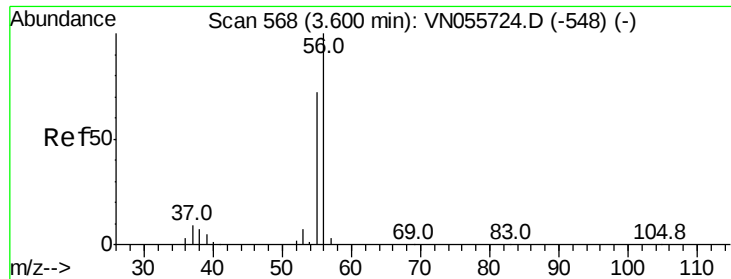
MMDadoda
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#12
Methyl Acetate
Concen: 19.621 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8





#13

Acrolein

Concen: 96.182 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion: 56 Resp: 49287

Ion Ratio Lower Upper

56 100

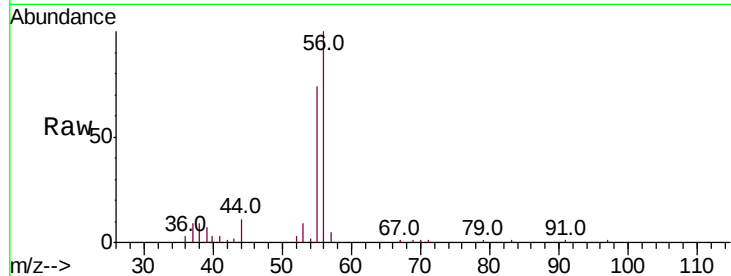
55 71.5 57.0 85.6

Manual Integrations

APPROVED

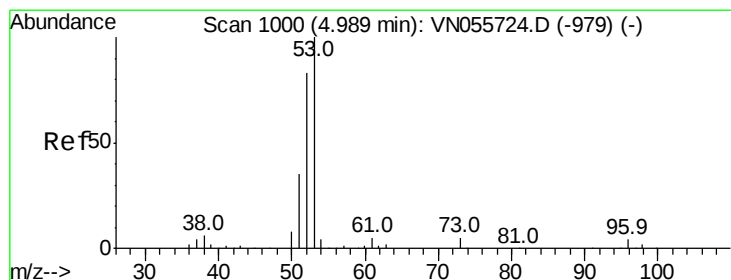
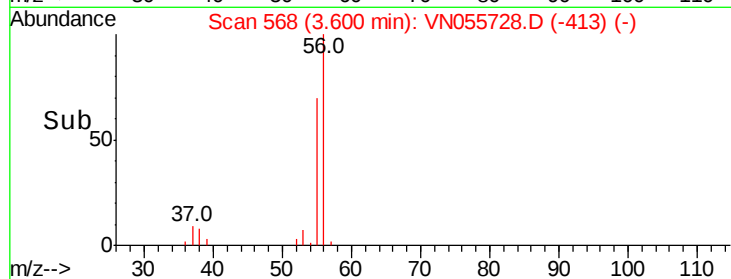
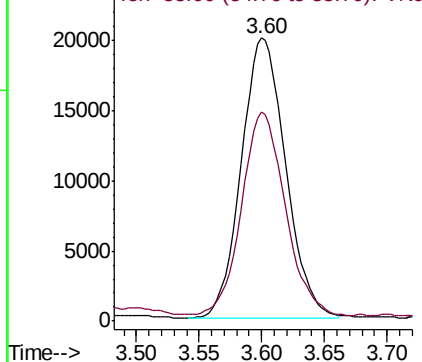
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.464 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

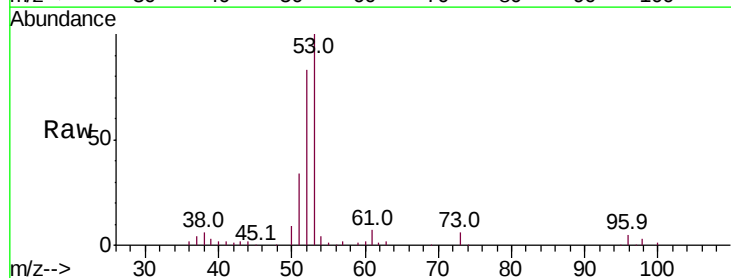
Tgt Ion: 53 Resp: 168919

Ion Ratio Lower Upper

53 100

52 83.4 41.1 123.4

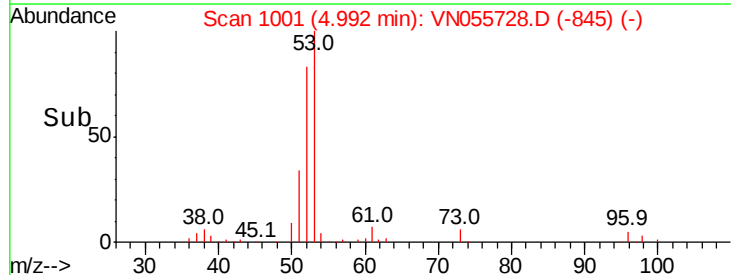
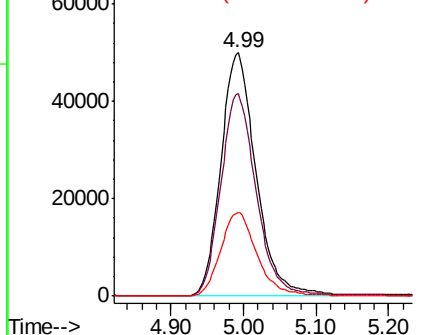
51 35.1 17.5 52.6

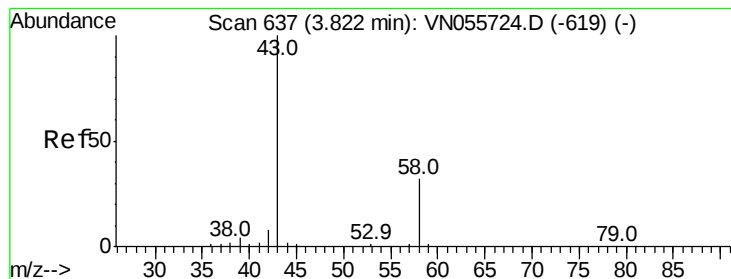


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 94.620 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion: 58 Resp: 49409

Ion Ratio Lower Upper

58 100

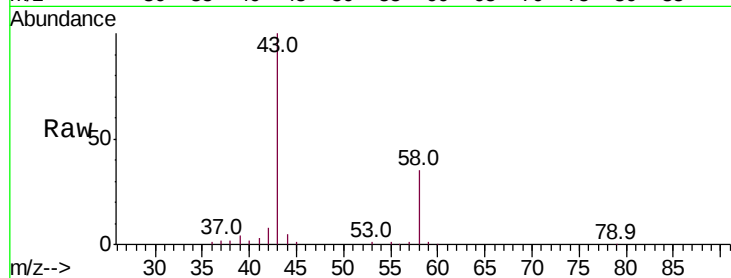
43 285.4 248.8 373.2

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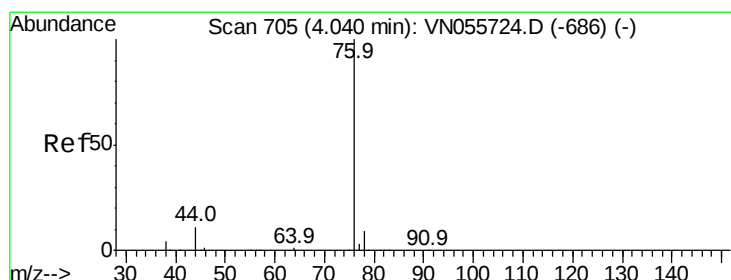
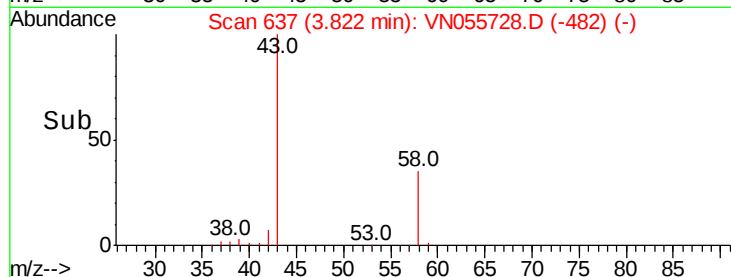
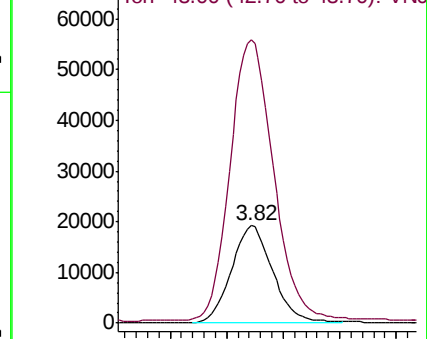
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.644 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055728.D

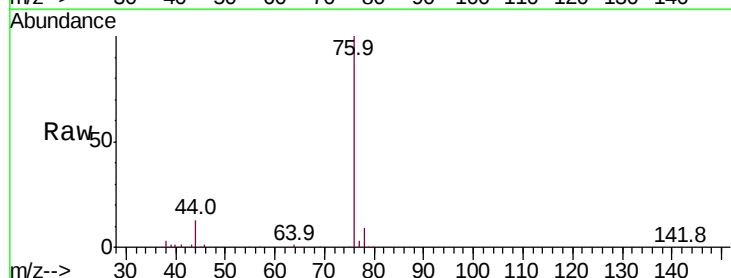
Acq: 22 May 2019 19:27

Tgt Ion: 76 Resp: 178479

Ion Ratio Lower Upper

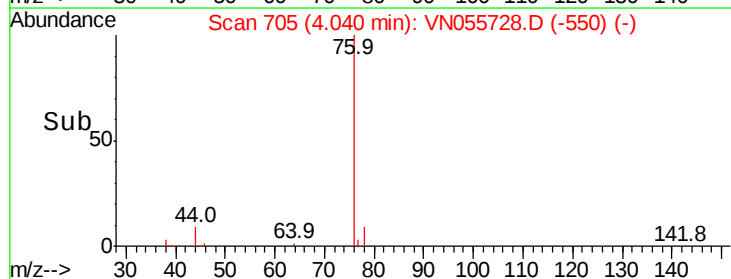
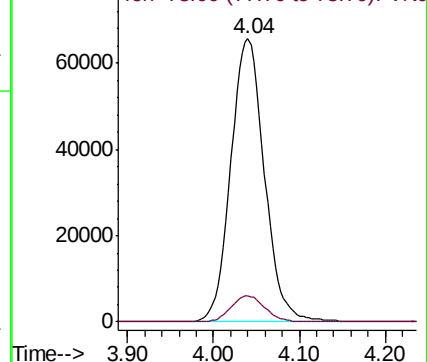
76 100

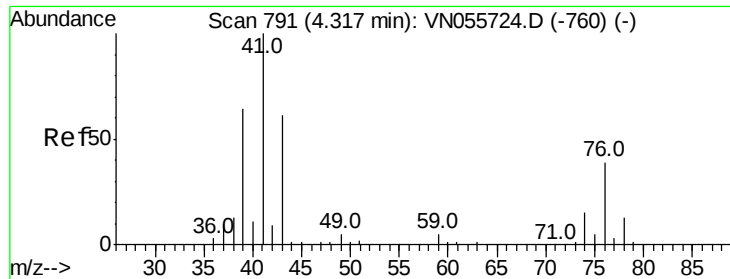
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





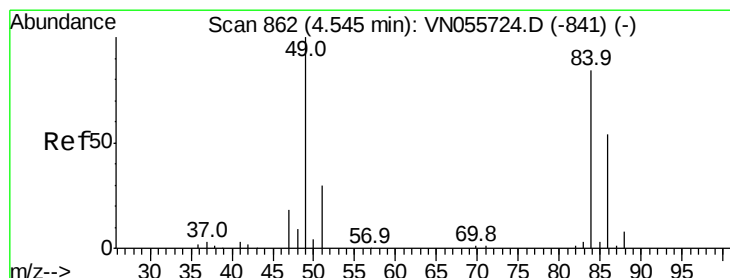
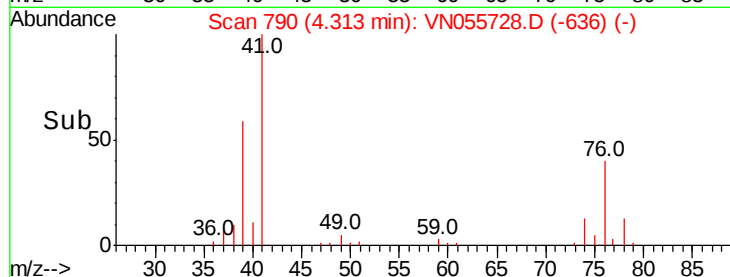
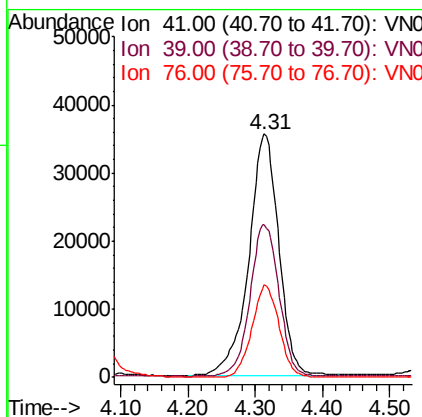
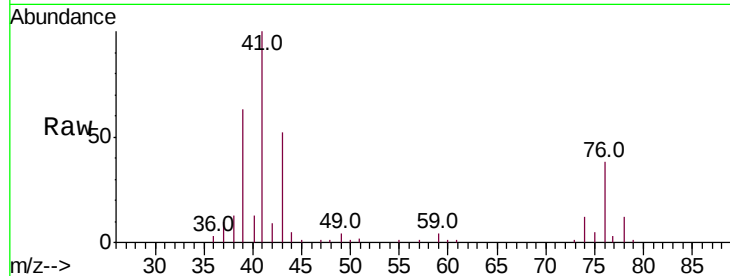
#17
Allvl chloride
Concen: 20.212 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion:	41	Resp:	109767
Ion Ratio	Lower	Upper	
41	100		
39	63.0	31.8	95.3
76	38.2	19.3	57.9

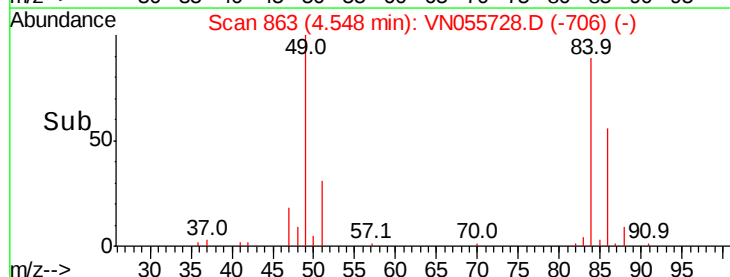
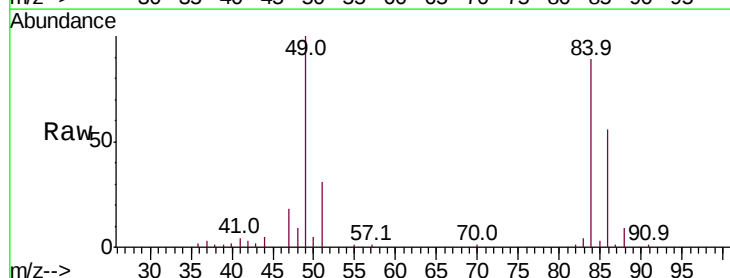
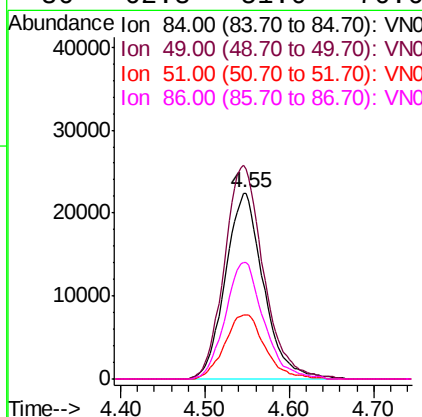
Manual Integrations
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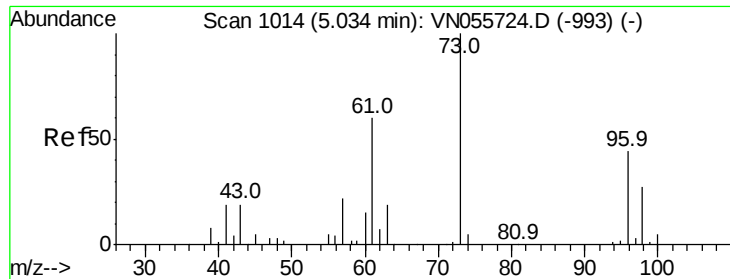
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#18
Methylene Chloride
Concen: 20.433 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion:	84	Resp:	70568
Ion Ratio	Lower	Upper	
84	100		
49	112.6	94.7	142.1
51	34.8	28.6	43.0
86	62.8	51.0	76.6





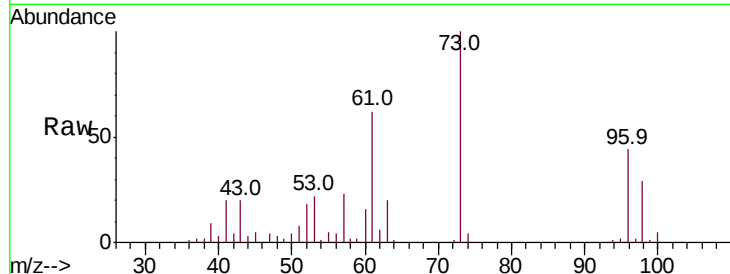
#19
trans-1,2-Dichloroethene
Concen: 20.137 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	108.5	162.7
98	66.2	49.4	74.2

Manual Integrations
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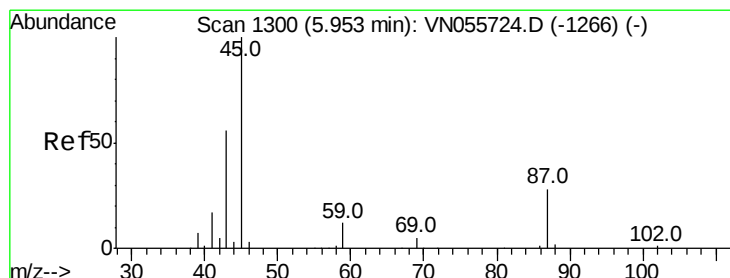
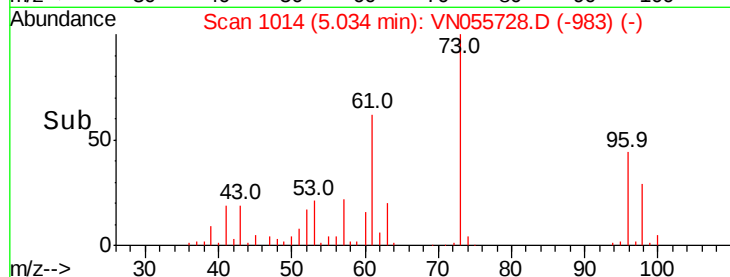
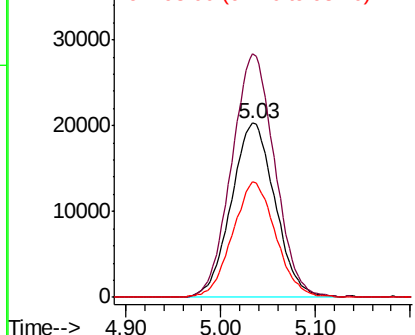


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 19.956 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.6	73.0
87	26.4	22.6	34.0
59	11.2	9.4	14.2

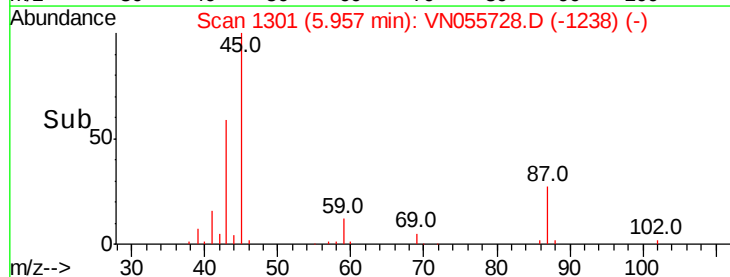
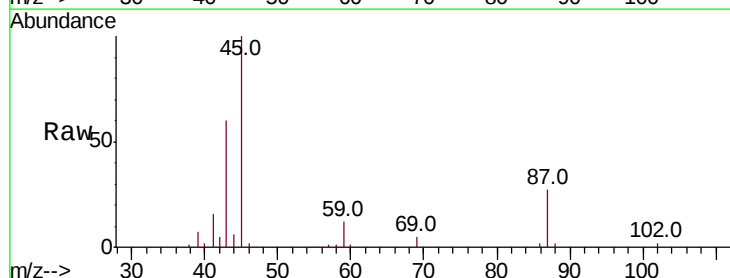
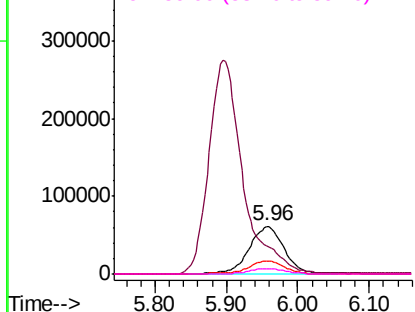
Abundance

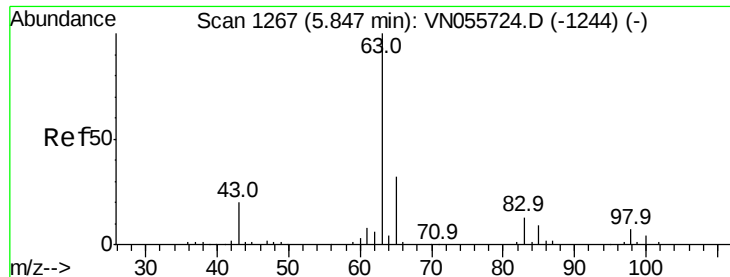
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





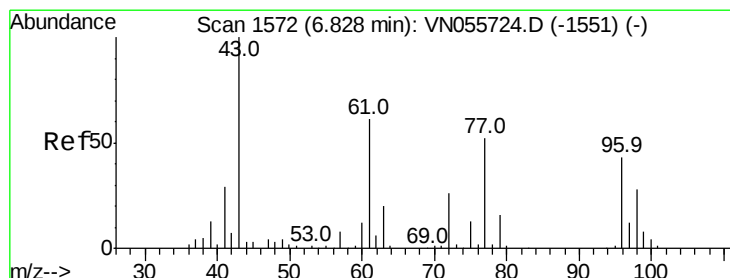
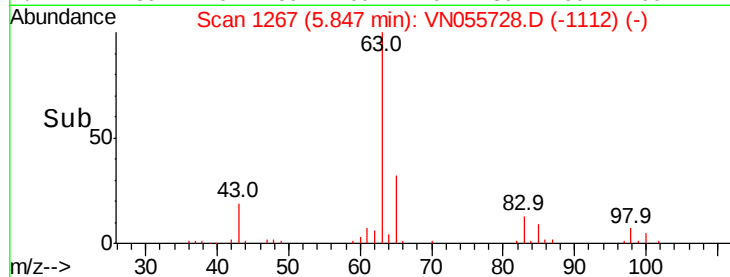
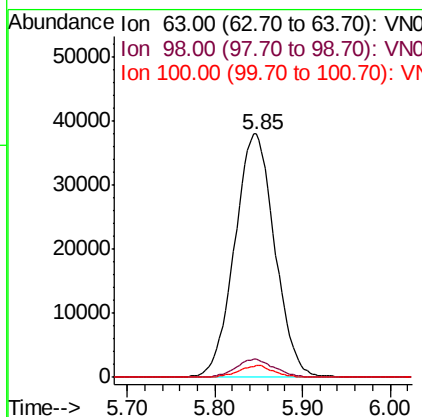
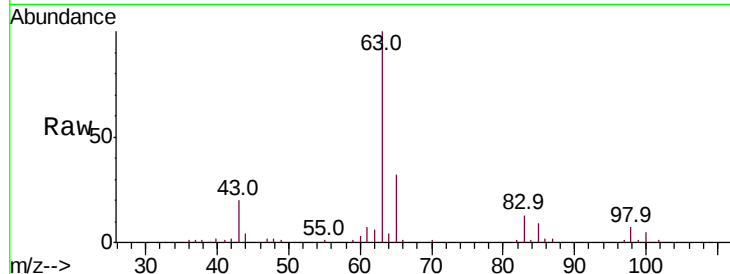
#21
 1,1-Dichloroethane
 Concen: 20.277 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	Ratio	Resp	Lower	Upper
63	100	120733		
98	7.4		3.4	10.2
100	4.8		2.2	6.6

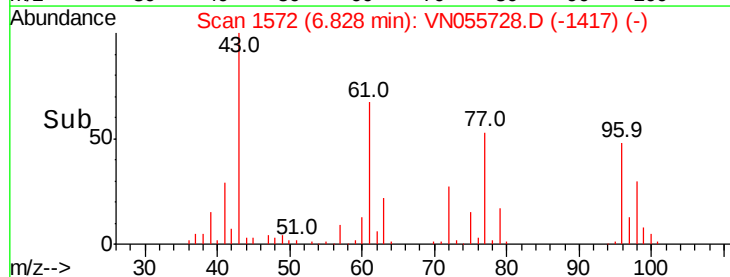
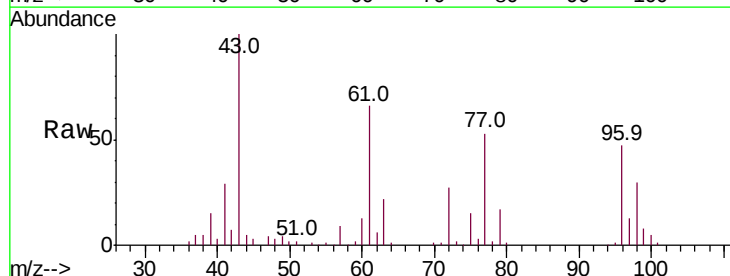
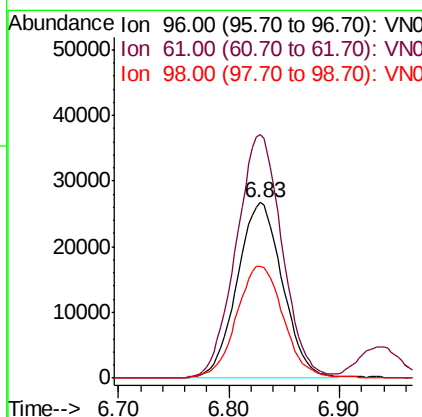
Manual Integrations
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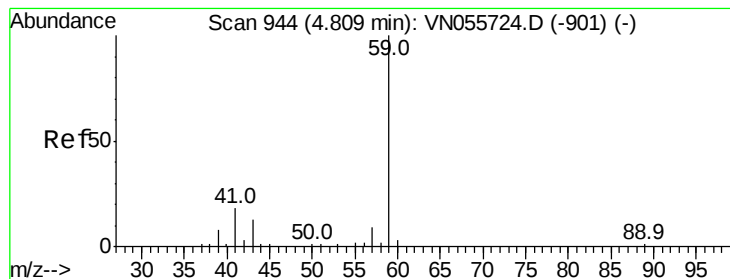
MMDadoda
 5/23/2019 12:31:31 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.201 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	76424		
61	140.3		115.7	173.5
98	65.6		51.5	77.3





#23

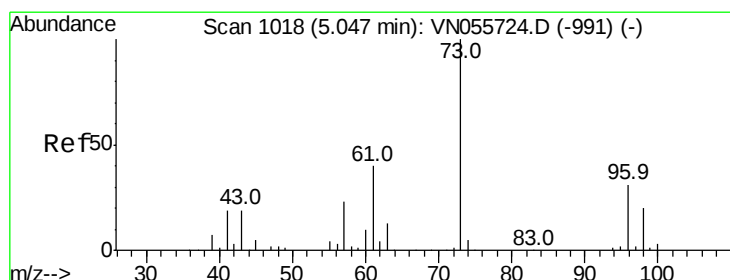
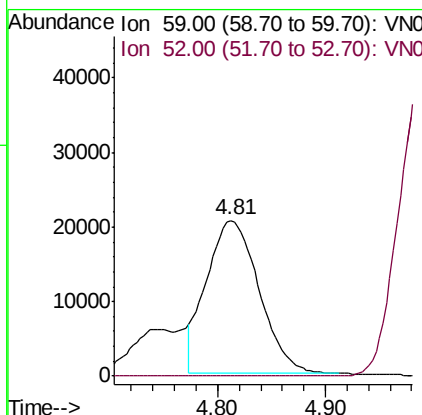
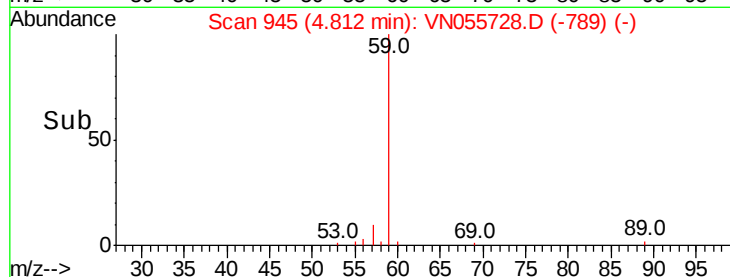
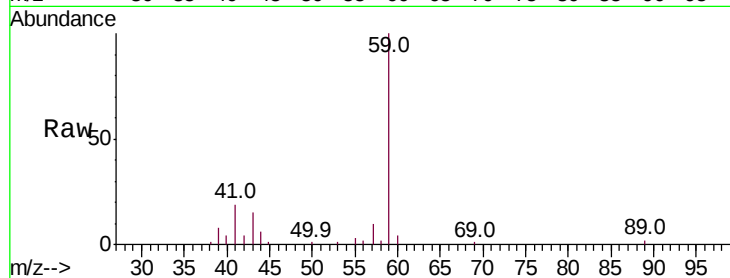
tert-Butyl Alcohol
 Concen: 94.358 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	59	52	Ratio	Lower	Upper
Resp: 69677	100	0.0		0.0	0.0

Manual Integrations
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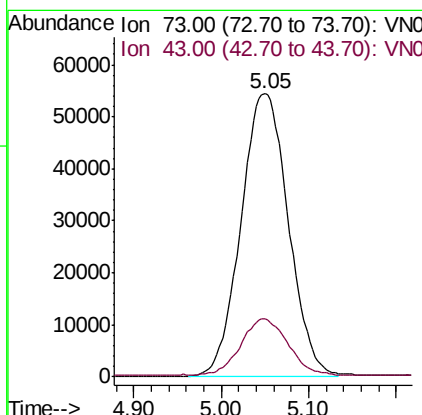
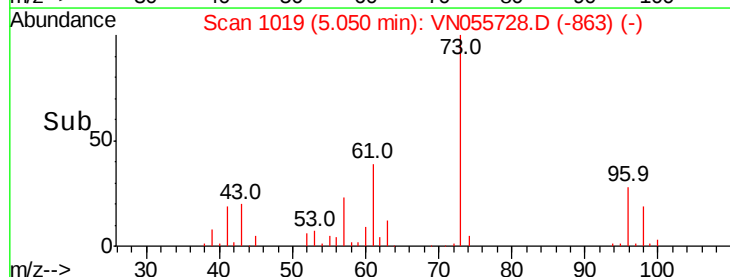
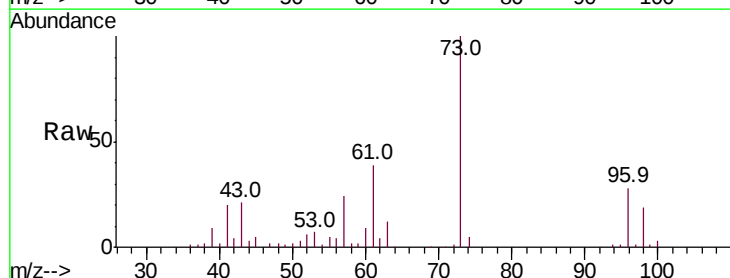
MMDadoda
 5/23/2019 12:31:31 PM

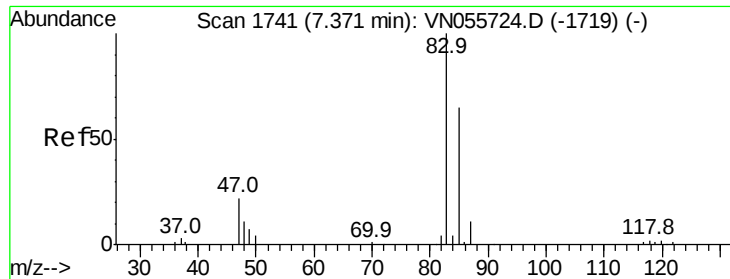


#24

Methyl tert-Butyl Ether
 Concen: 20.044 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	73	43	Ratio	Lower	Upper
Resp: 205087	100	19.6		15.7	23.5





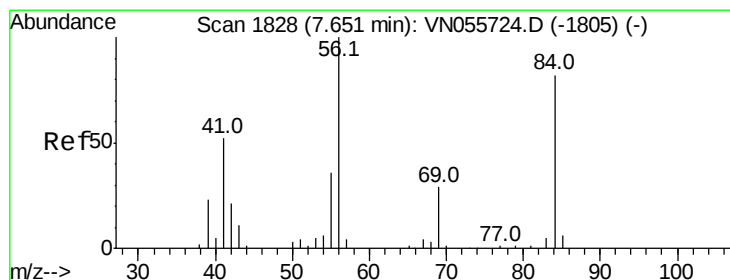
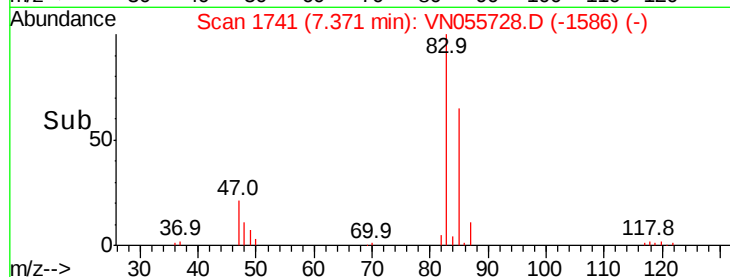
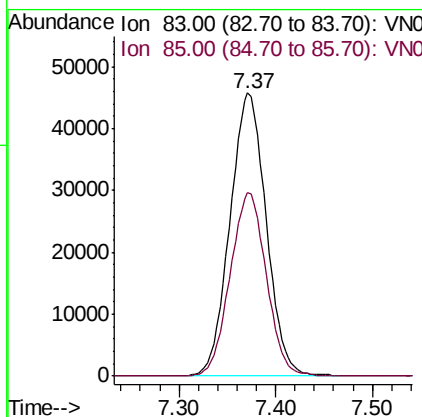
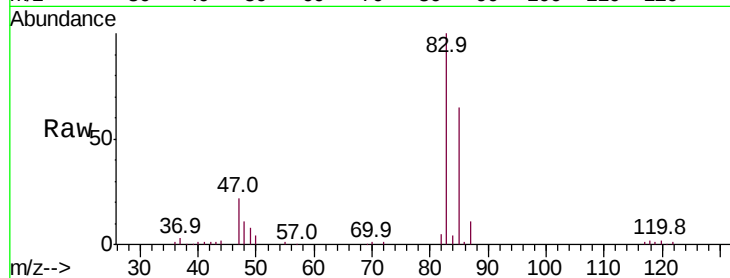
#25
Chloroform
Concen: 20.244 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	83	Resp	119052
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5

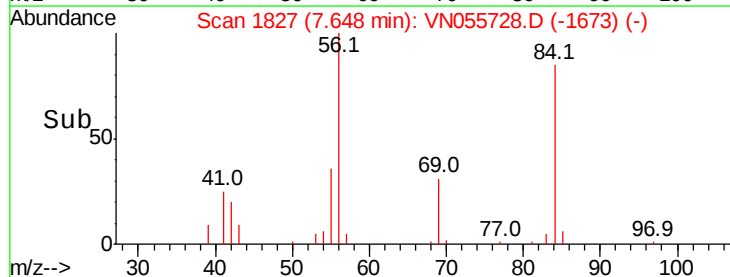
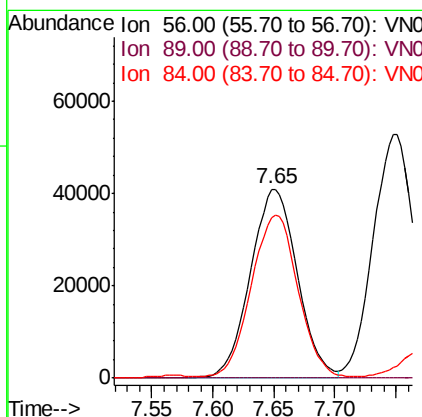
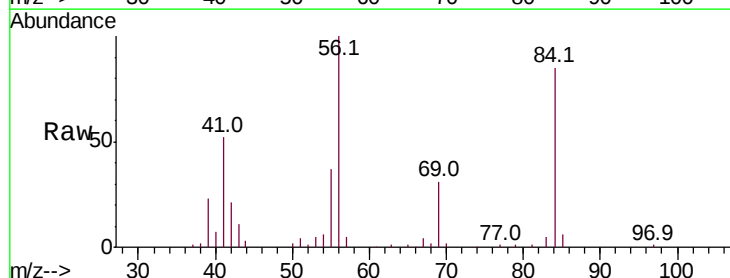
Manual Integrations
APPROVED

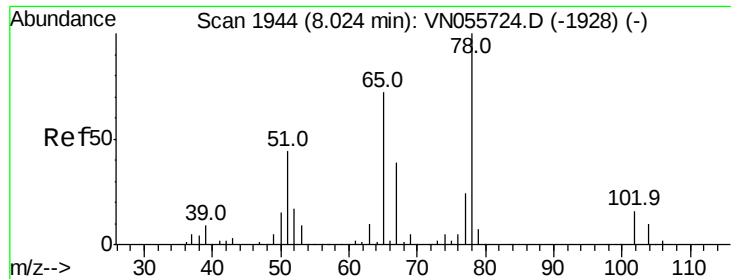
MMDadoda
5/23/2019 12:31:31 PM



#26
Cyclohexane
Concen: 19.889 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	56	Resp	109254
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.7	67.2	100.8





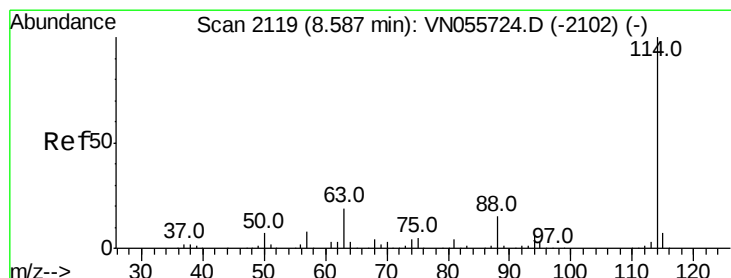
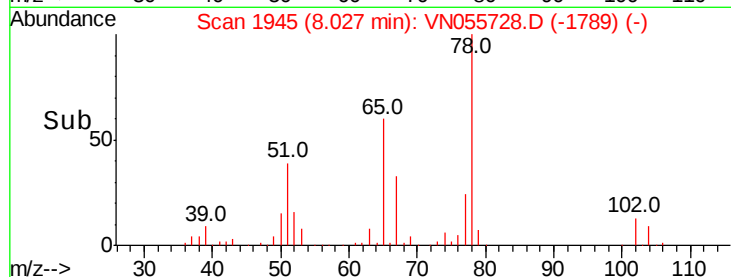
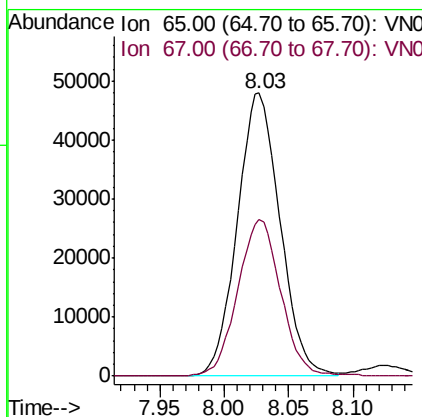
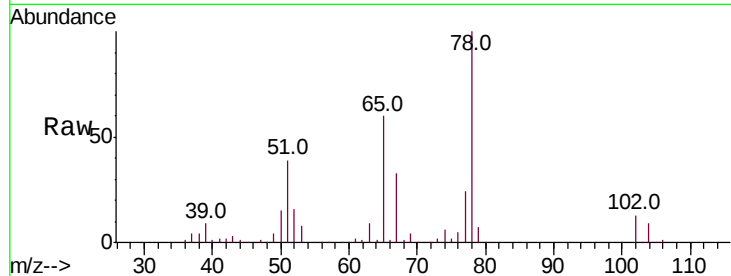
#27
 1,2-Dichloroethane-d4
 Concen: 29.680 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052219

Tot Ion: 65 Resp: 110829
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.5 65.3

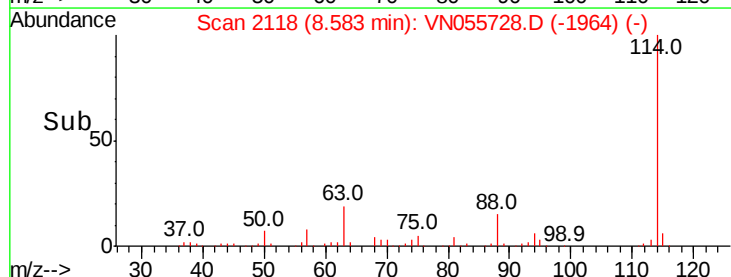
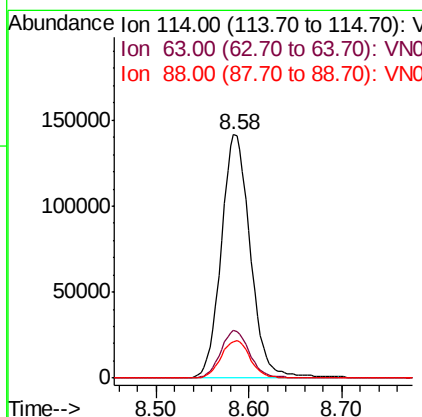
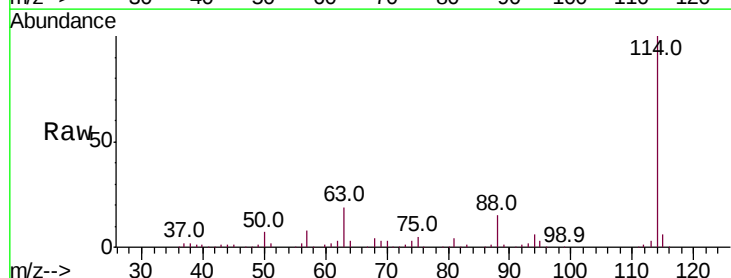
Manual Integrations
 APPROVED

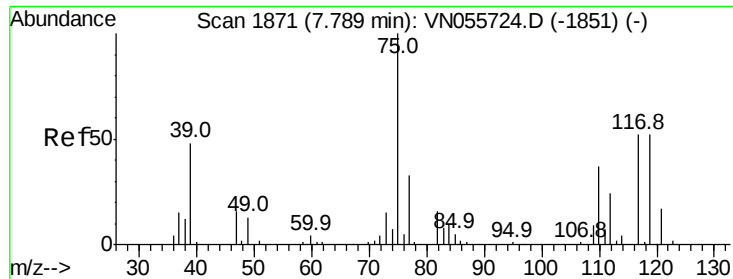
MMDadoda
 5/23/2019 12:31:31 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 114 Resp: 308336
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.3 18.5





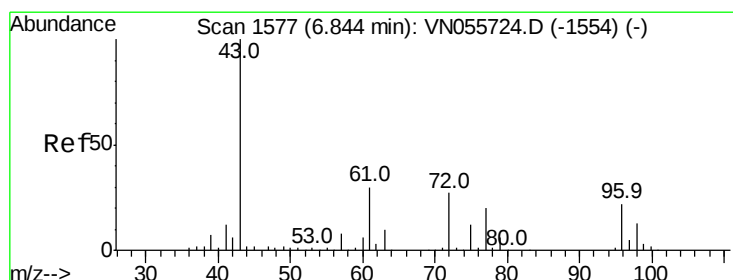
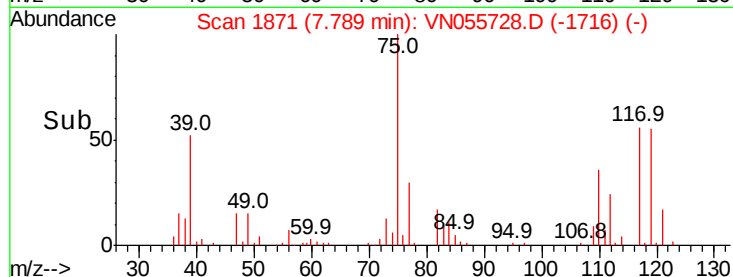
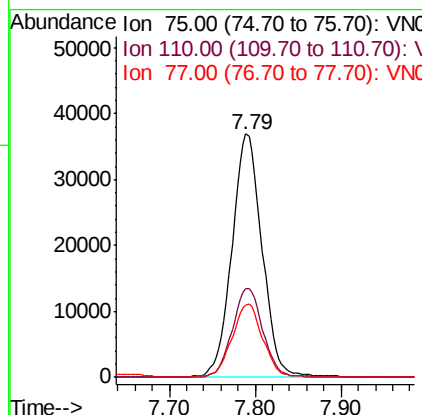
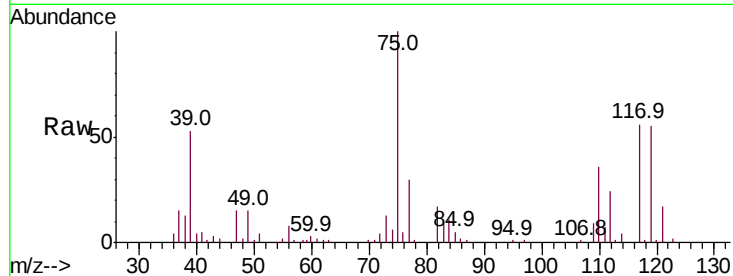
#29
 1,1-Dichloropropene
 Concen: 20.865 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	74.8
77	30.8	0.0	65.2

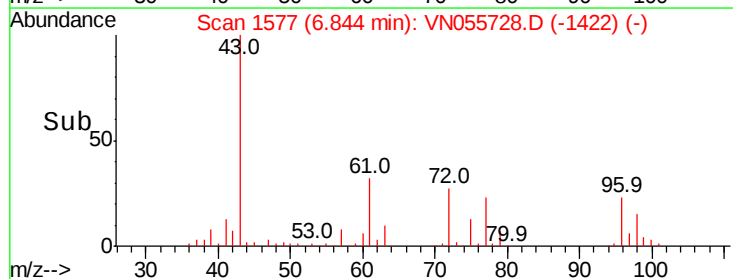
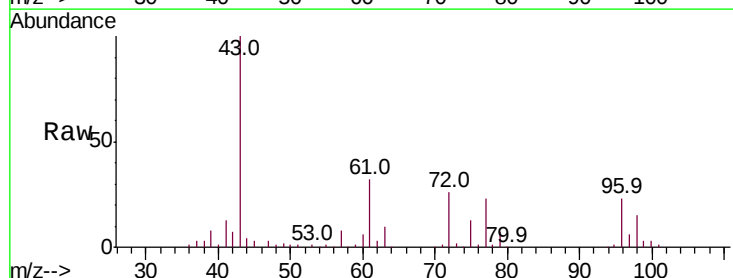
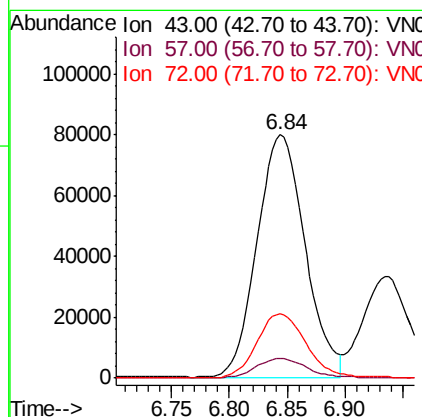
Manual Integrations
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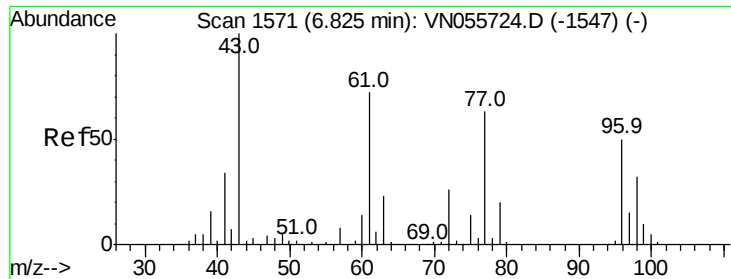
MMDadoda
 5/23/2019 12:31:31 PM



#30
 2-Butanone
 Concen: 99.853 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.6	10.0
72	27.4	21.7	32.5





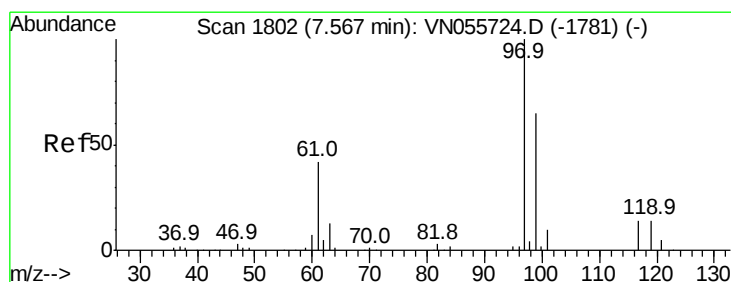
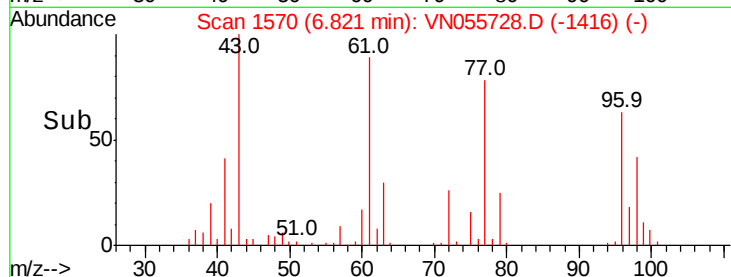
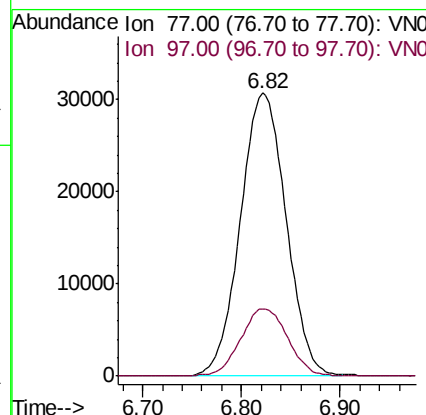
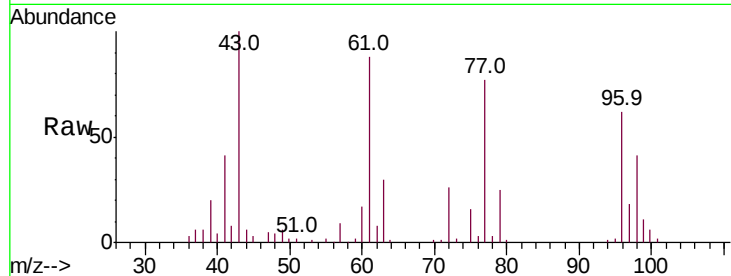
#31
 2,2-Dichloropropane
 Concen: 19.657 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion: 77 Resp: 98738
 Ion Ratio Lower Upper
 77 100
 97 24.3 19.2 28.8

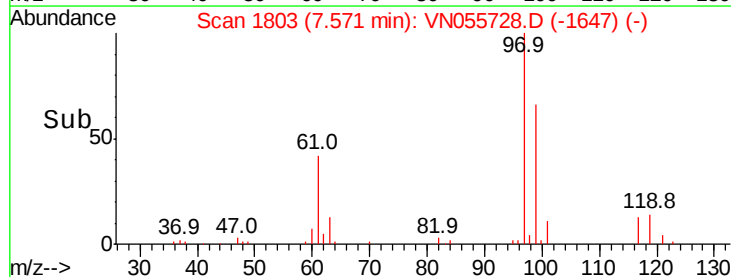
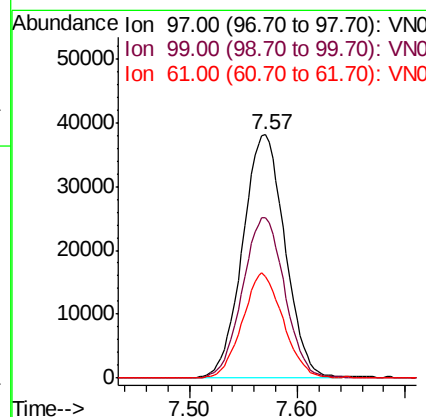
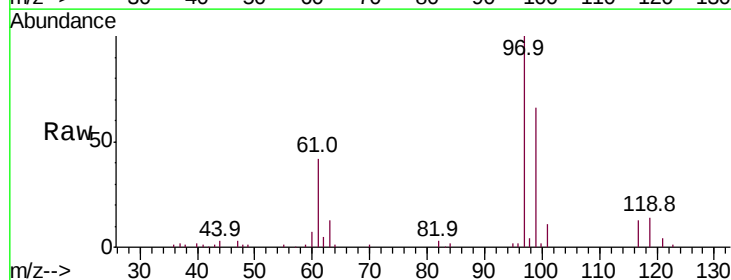
Manual Integrations
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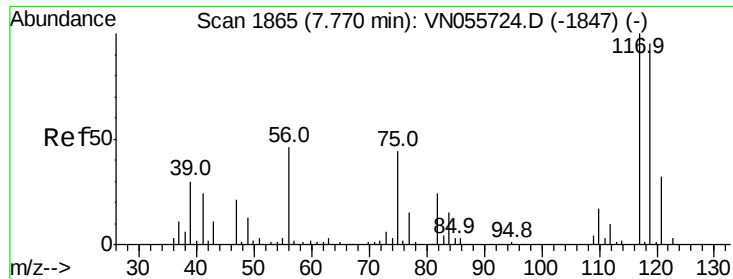
MMDadoda
 5/23/2019 12:31:31 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.329 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 97 Resp: 104004
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.7 77.5
 61 41.3 33.1 49.7





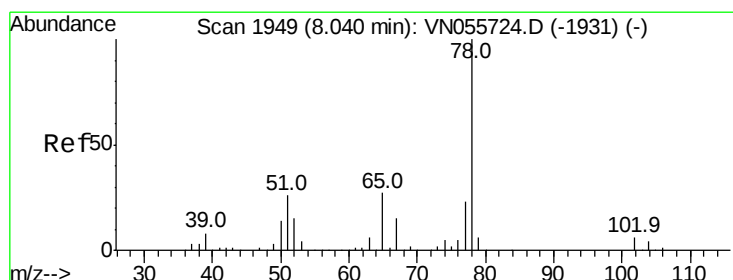
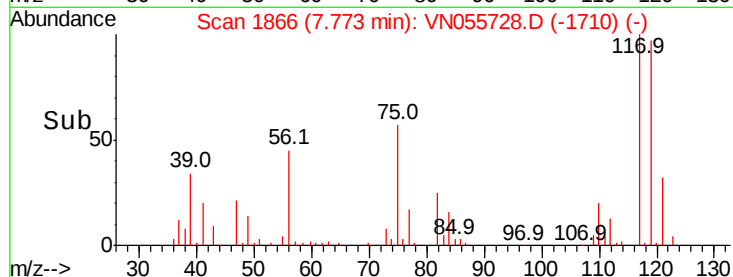
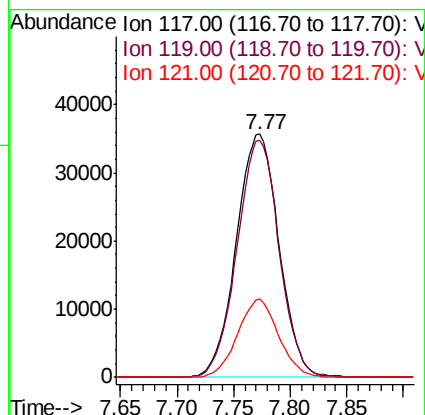
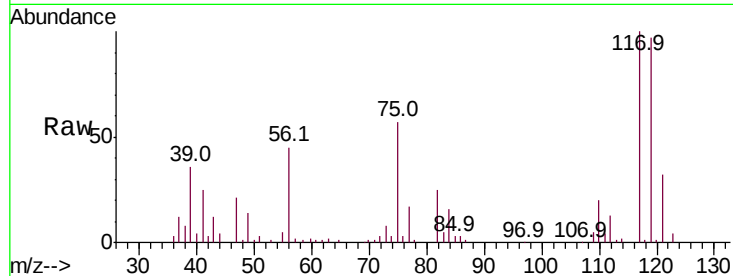
#33
Carbon Tetrachloride
Concen: 20.443 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
121	32.2	25.4	38.0

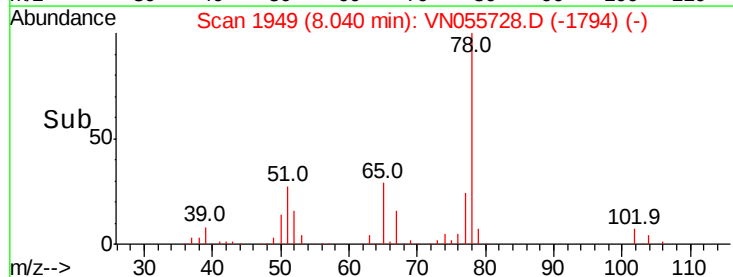
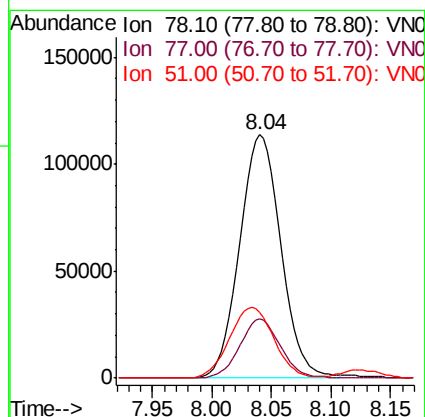
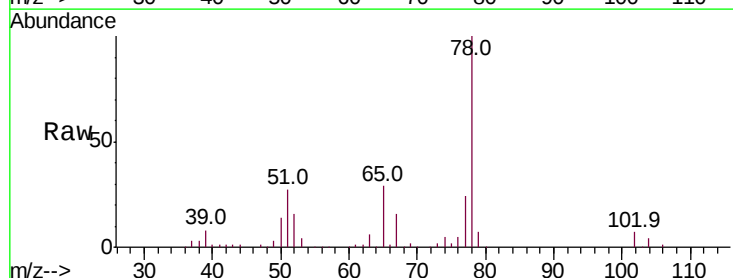
Manual Integrations
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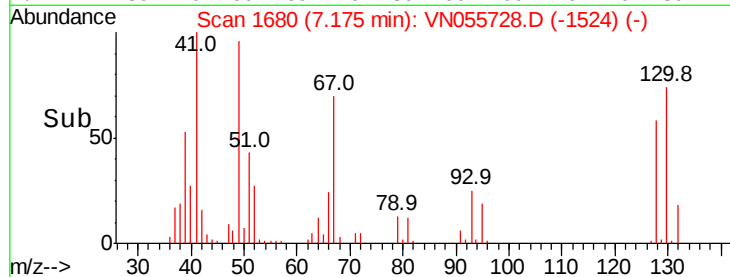
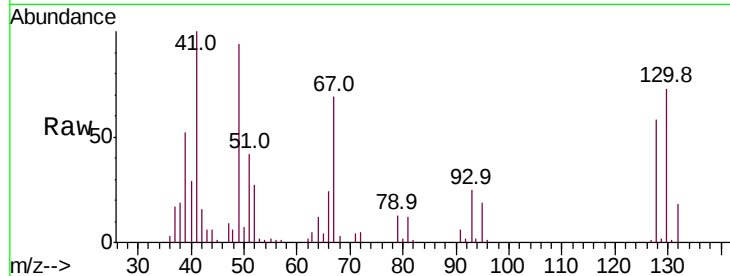
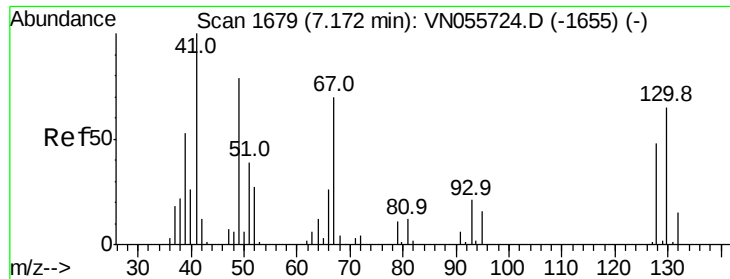
MMDadoda
5/23/2019 12:31:31 PM



#34
Benzene
Concen: 20.549 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2
51	26.6	20.6	31.0





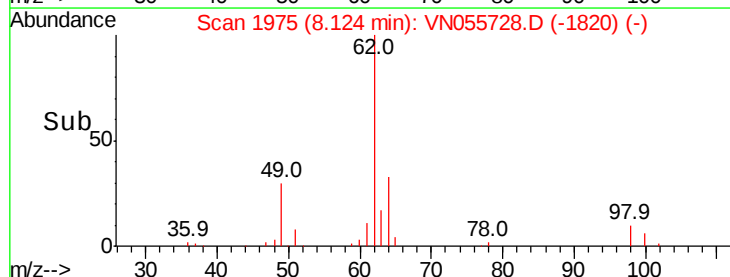
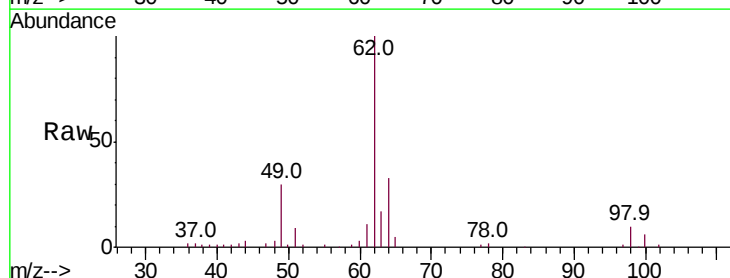
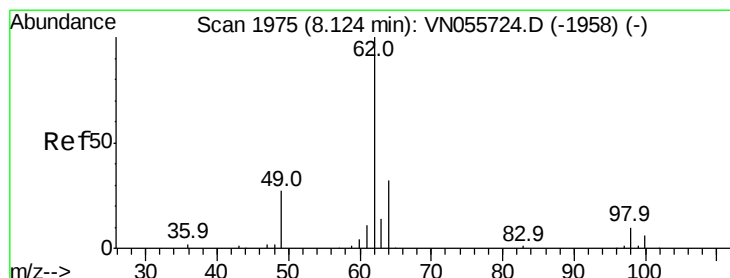
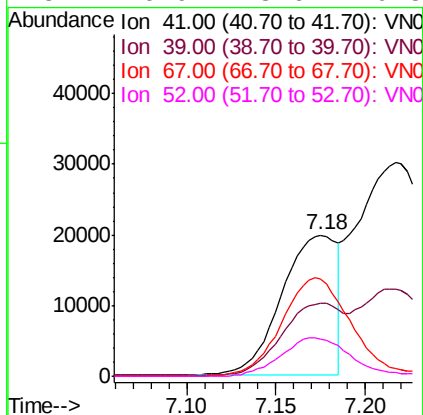
#35
Methacrylonitrile
Concen: 19.951 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.9	26.7	80.1
67	69.6	34.9	104.7
52	26.9	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

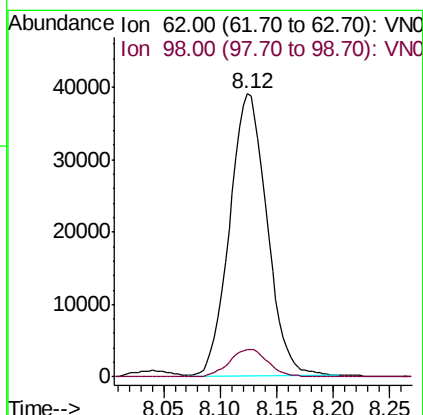
Manual Integrations
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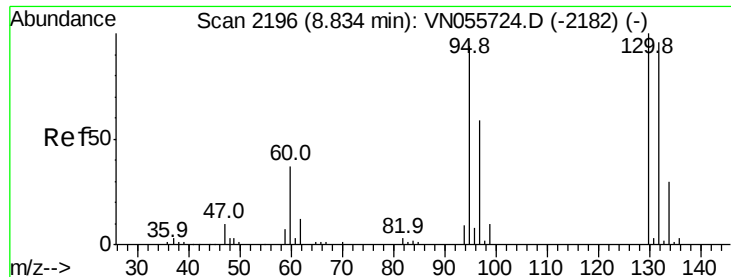
MMDadoda
5/23/2019 12:31:31 PM



#36
1,2-Dichloroethane
Concen: 20.581 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.2	12.2





#37

Trichloroethene

Concen: 20.058 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion:130 Resp: 74580

Ion Ratio Lower Upper

130 100

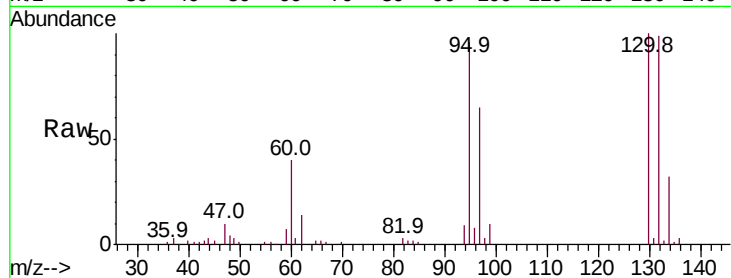
95 95.1 75.6 113.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN055728.D (-2182) (-)

Ion 94.90 (94.60 to 95.60): VN055728.D (-2182) (-)

8.83

40000

30000

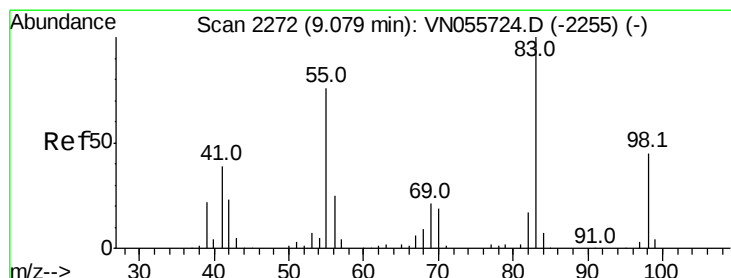
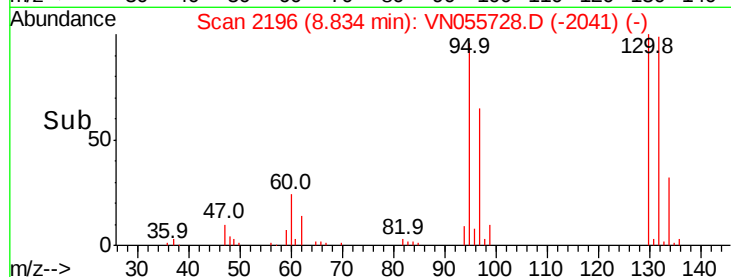
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.985 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

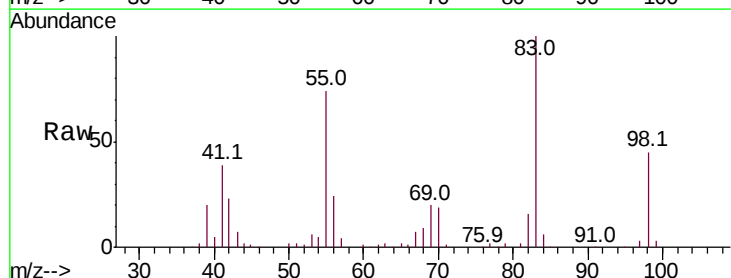
Tgt Ion: 83 Resp: 109292

Ion Ratio Lower Upper

83 100

55 74.9 37.8 113.4

98 46.1 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN055728.D (-2117) (-)

Ion 55.00 (54.70 to 55.70): VN055728.D (-2117) (-)

Ion 98.00 (97.70 to 98.70): VN055728.D (-2117) (-)

9.08

60000

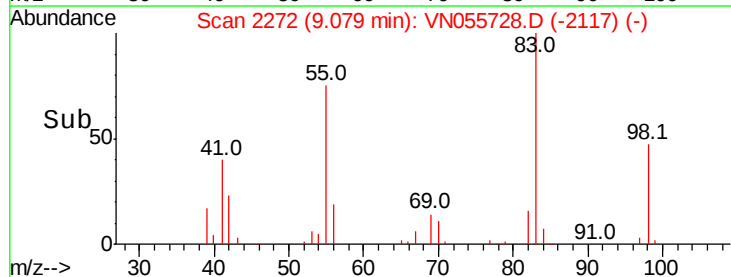
40000

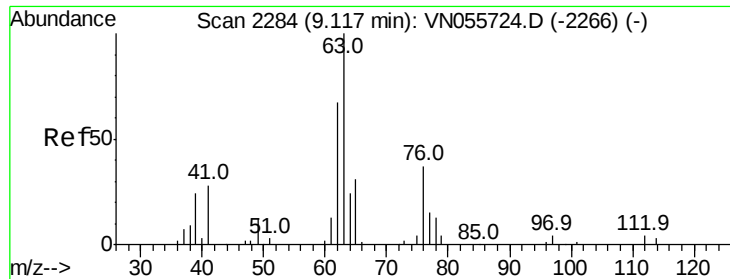
20000

0

9.00 9.05 9.10 9.15

Time-->





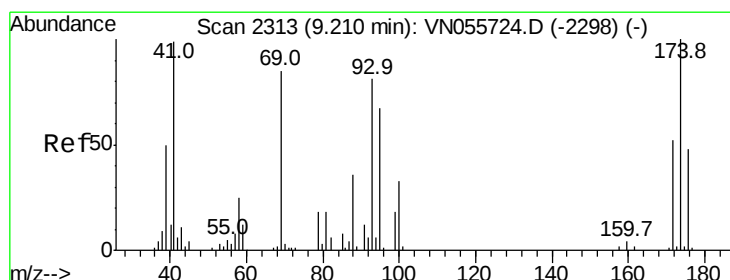
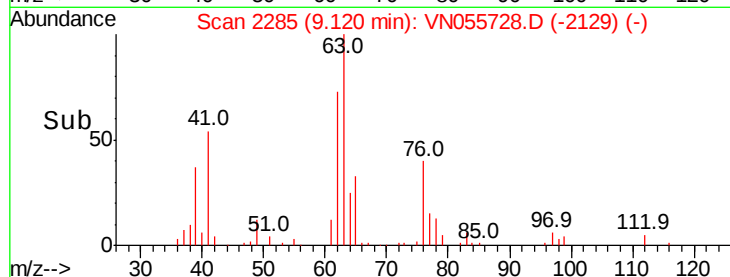
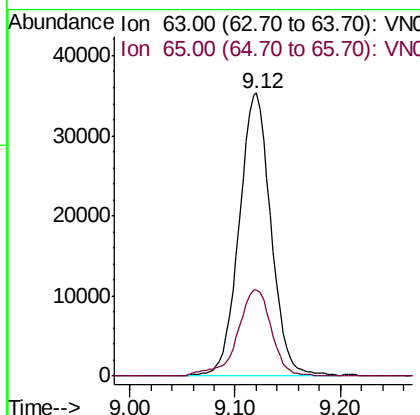
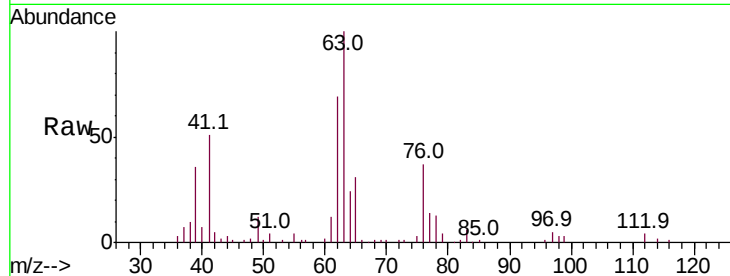
#39
 1,2-Dichloropropane
 Concen: 20.692 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion: 63 Resp: 74127
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.8 38.8

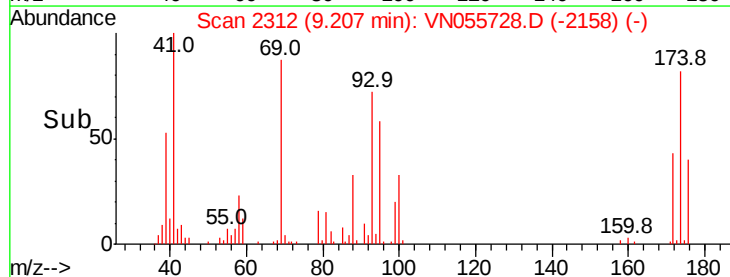
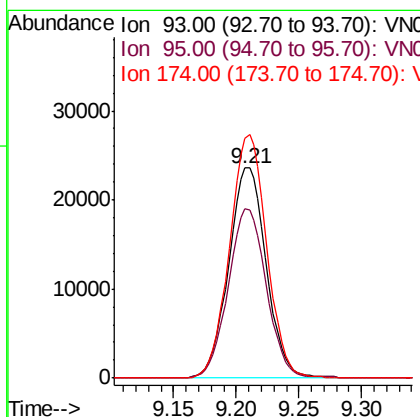
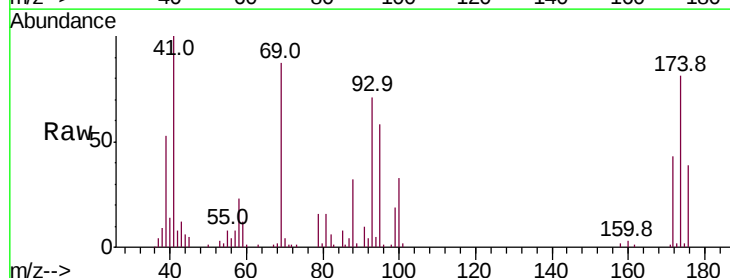
Manual Integrations
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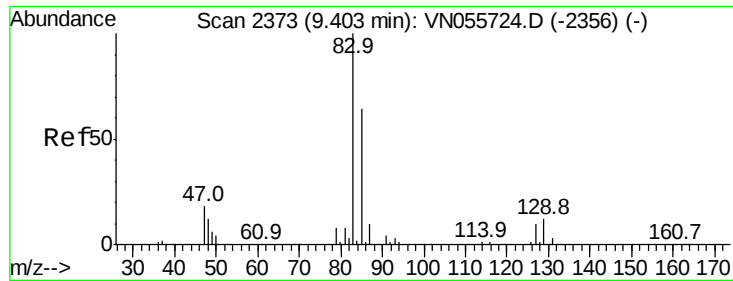
MMDadoda
 5/23/2019 12:31:31 PM



#40
 Dibromomethane
 Concen: 21.225 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion: 93 Resp: 49100
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 170.6
 174 114.1 0.0 248.4





#41

Bromodichloromethane

Concen: 20.365 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

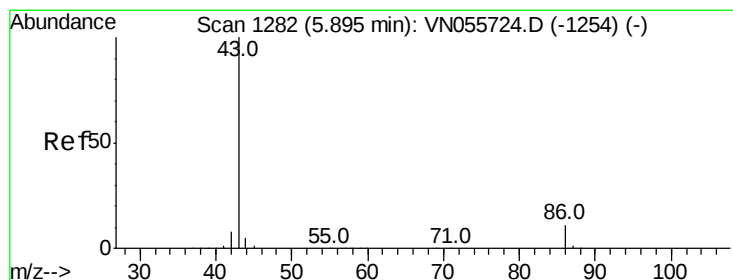
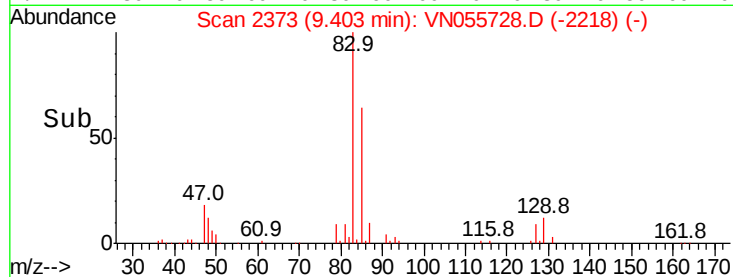
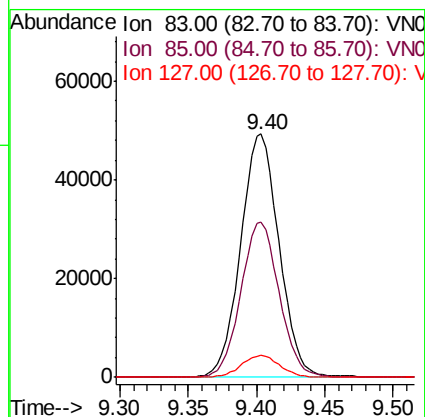
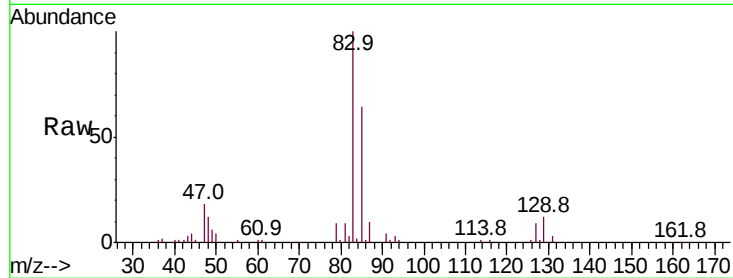
ClientSampleId :

ICVVN052219

Tot Ion:	83	Resp:	96555
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.4	77.0
127	8.9	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 102.204 ug/l

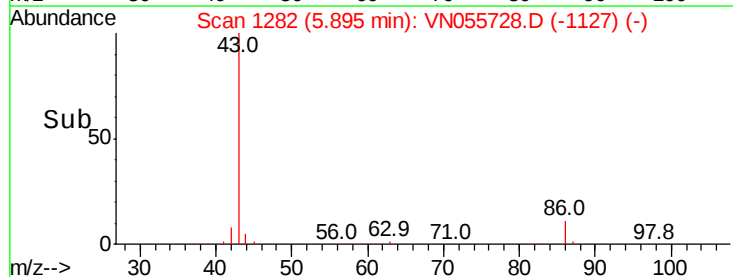
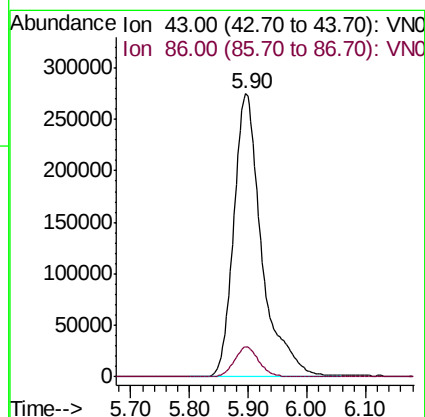
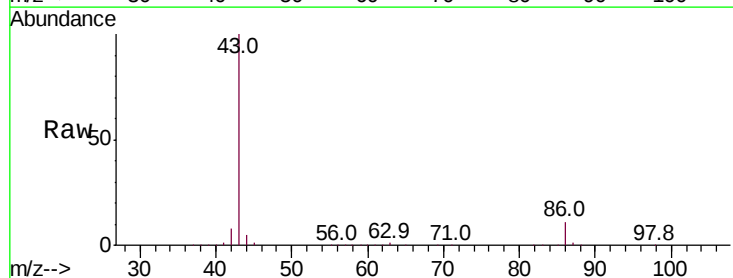
RT: 5.90 min Scan# 1282

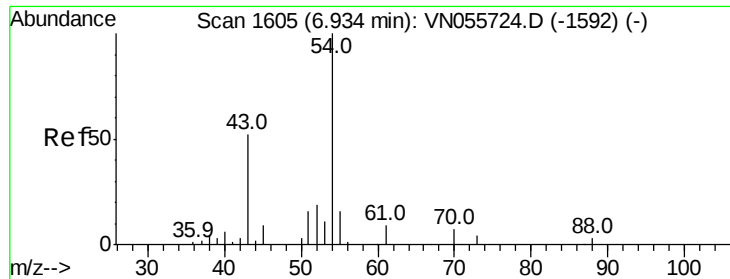
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	43	Resp:	912934
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





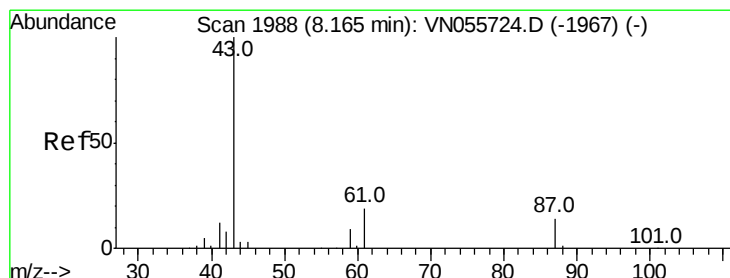
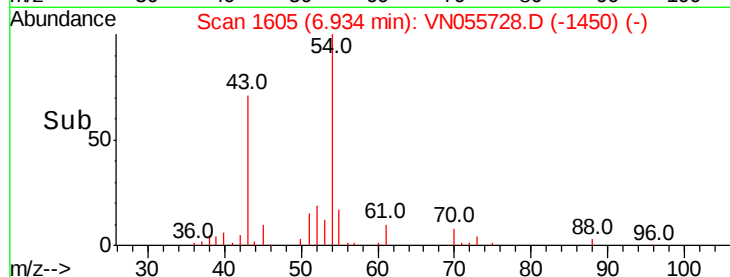
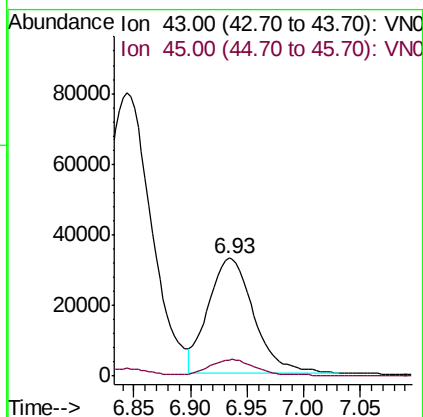
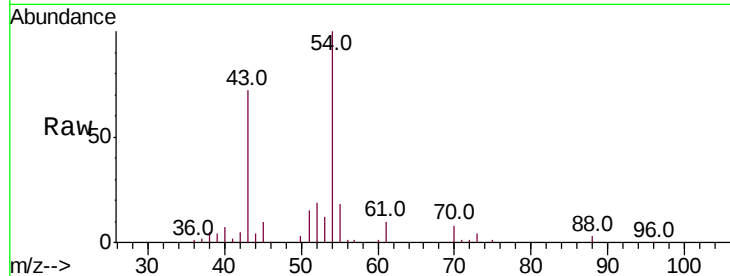
#43
Ethyl Acetate
Concen: 20.194 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion: 43 Resp: 91323
Ion Ratio Lower Upper
43 100
45 12.0 0.0 0.0#

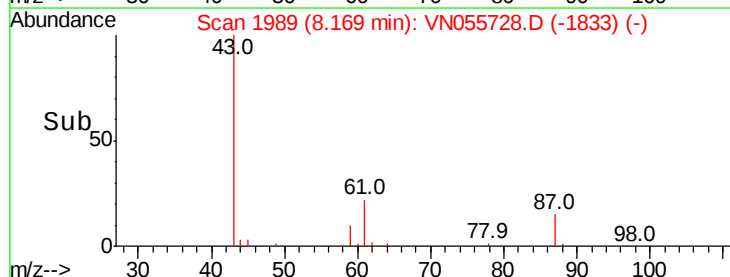
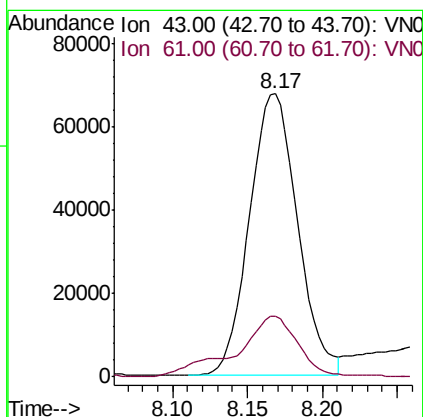
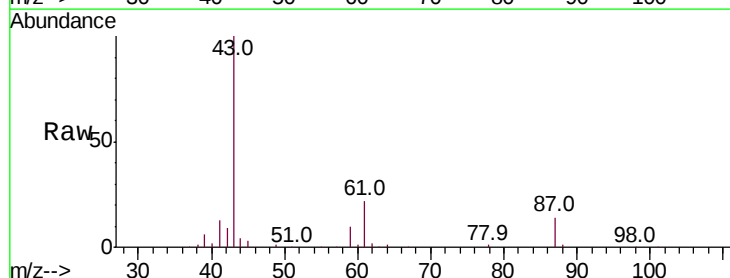
Manual Integrations
APPROVED

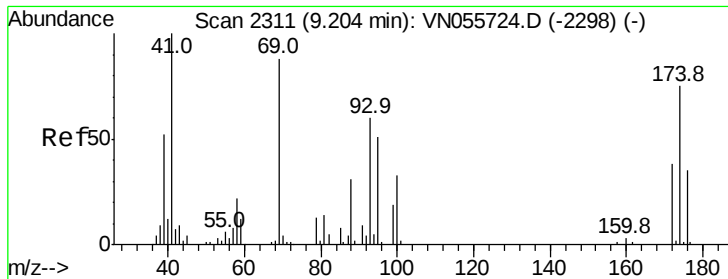
MMDadoda
5/23/2019 12:31:31 PM



#44
Isopropyl Acetate
Concen: 20.151 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 150900
Ion Ratio Lower Upper
43 100
61 21.1 22.1 33.1#





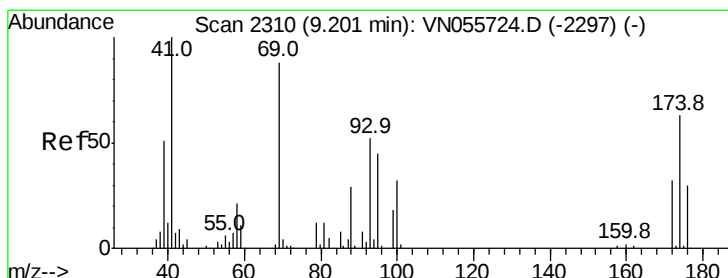
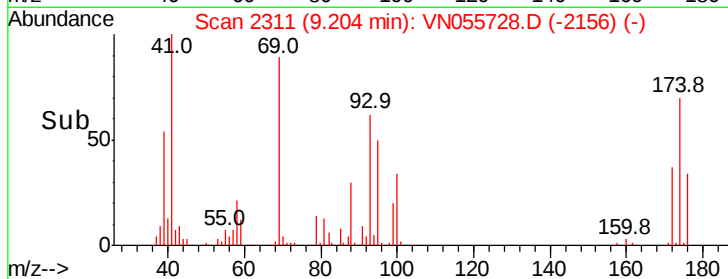
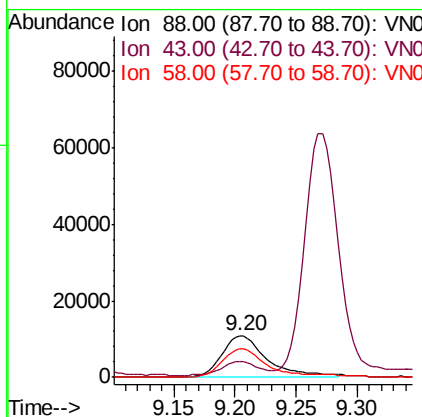
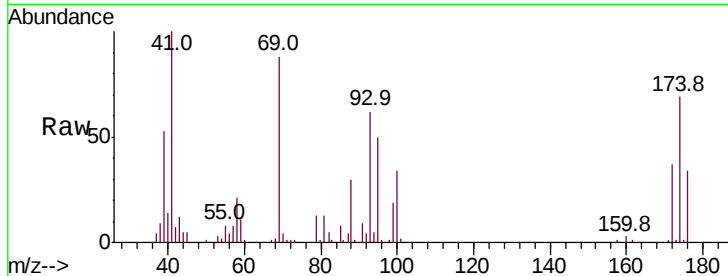
#45
 1,4-Dioxane
 Concen: 400.270 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	88	Resp	28199
Ion	Ratio	Lower	Upper
88	100		
43	25.8	20.5	30.7
58	65.6	56.1	84.1

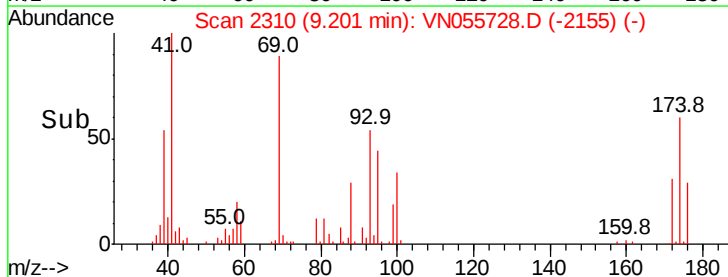
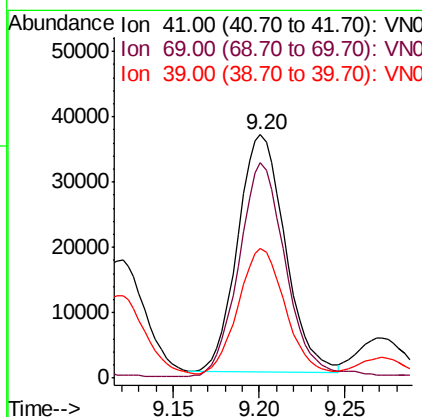
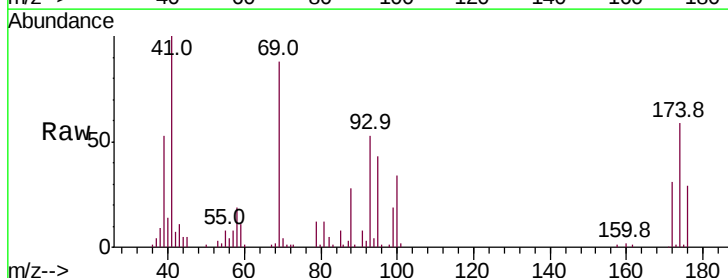
Manual Integrations
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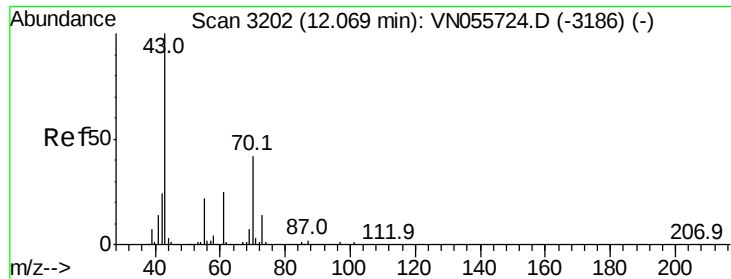
MMDadoda
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#46
 Methyl methacrylate
 Concen: 19.935 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	41	Resp	69649
Ion	Ratio	Lower	Upper
41	100		
69	90.2	43.8	131.4
39	52.4	25.6	76.6





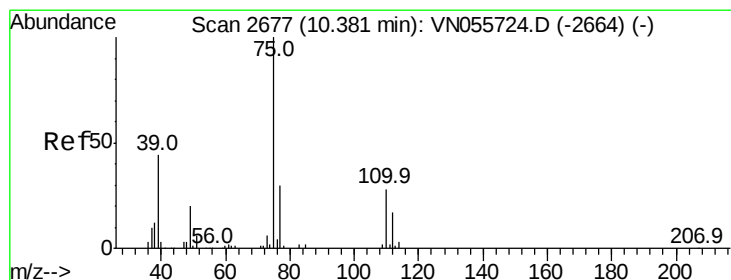
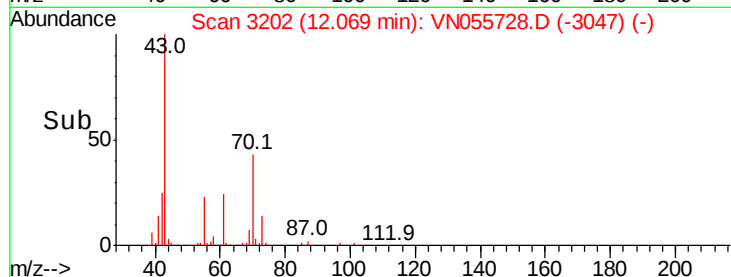
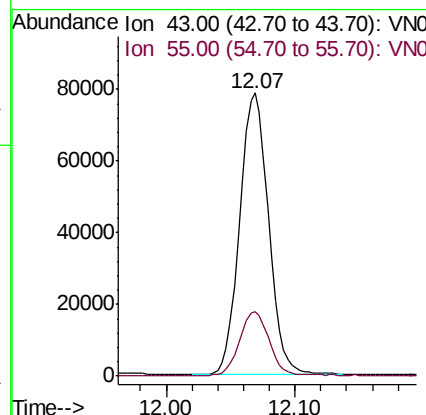
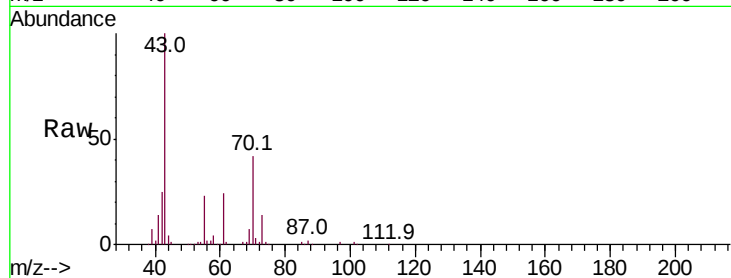
#47
n-amvl Acetate
Concen: 19.839 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
43	100		
55	23.1	17.8	26.6

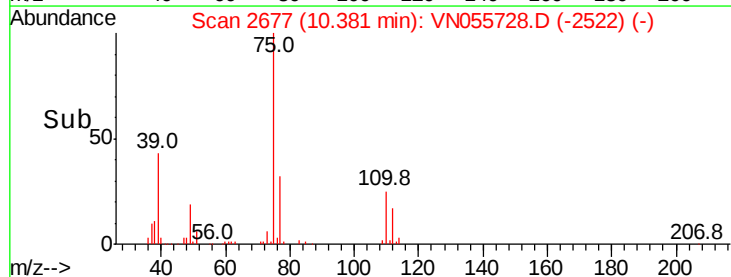
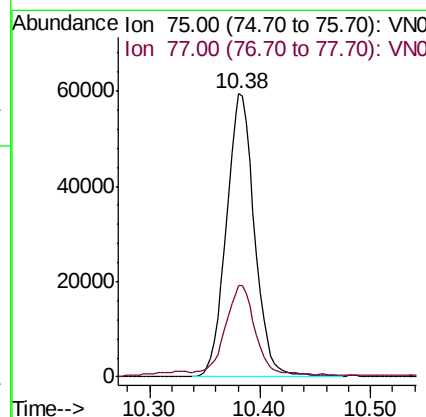
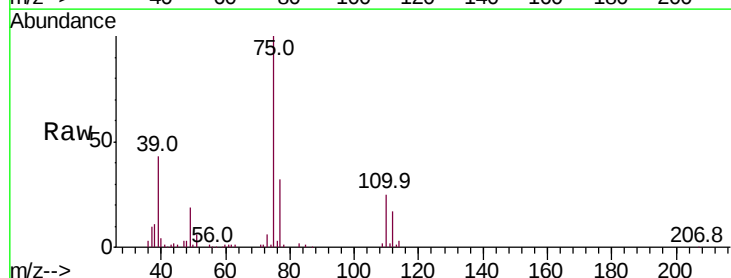
Manual Integrations
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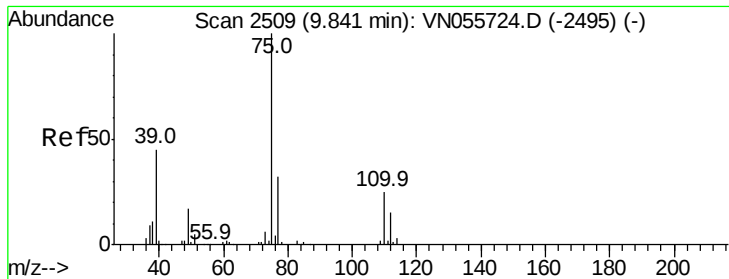
MMDadoda
5/23/2019 12:31:31 PM



#48
t-1,3-Dichloropropene
Concen: 20.139 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8





#49

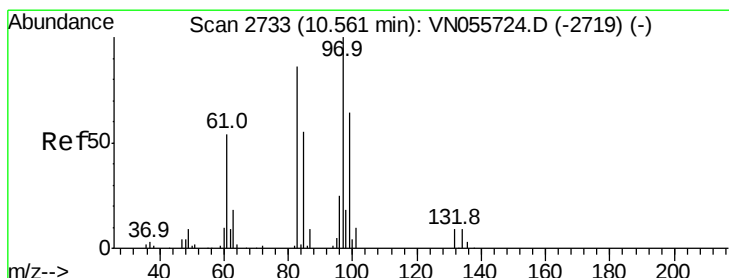
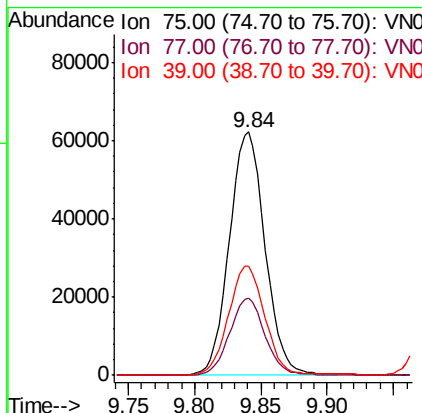
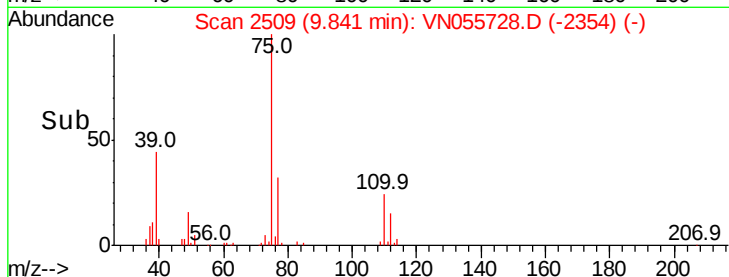
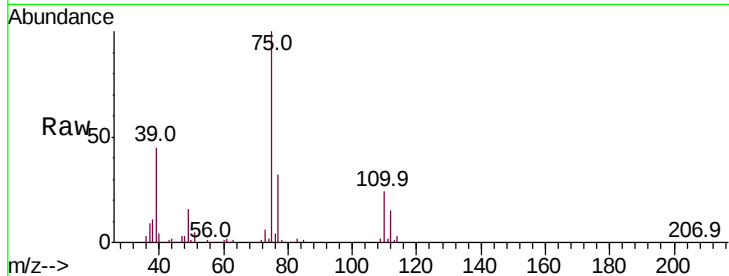
cis-1,3-Dichloropropene
 Concen: 20.382 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.0	39.0
39	44.6	36.2	54.4

Manual Integrations
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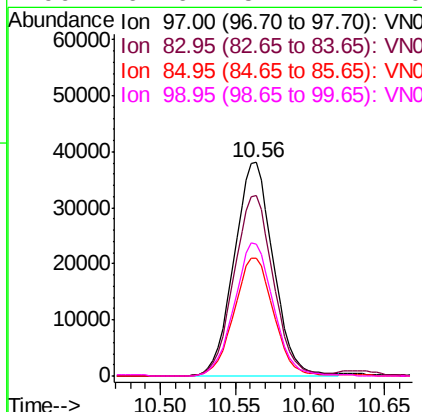
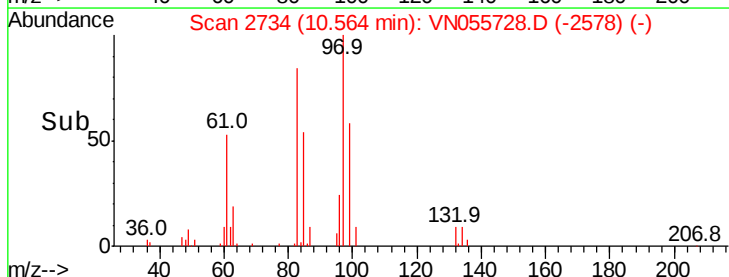
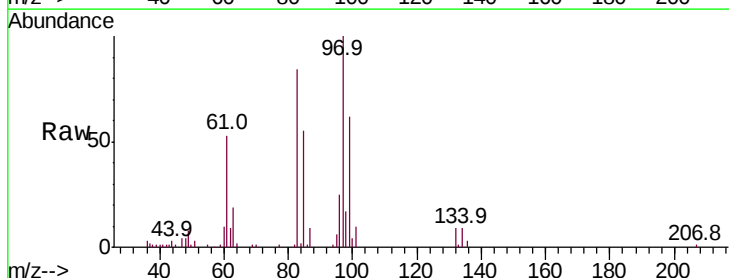
MMDadoda
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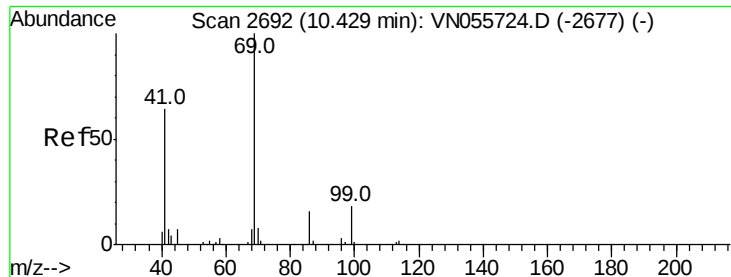


#50

1,1,2-Trichloroethane
 Concen: 20.633 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.9	103.3
85	55.3	44.3	66.5
99	61.6	51.4	77.0





#51

Ethyl methacrylate

Concen: 20.436 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

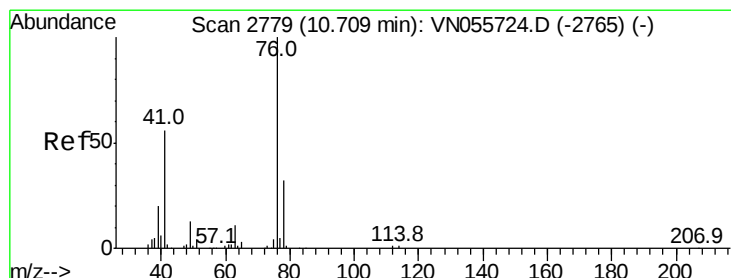
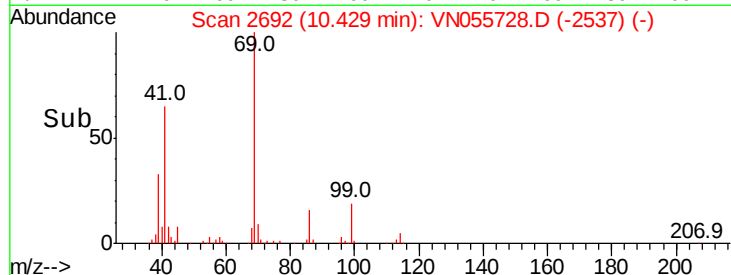
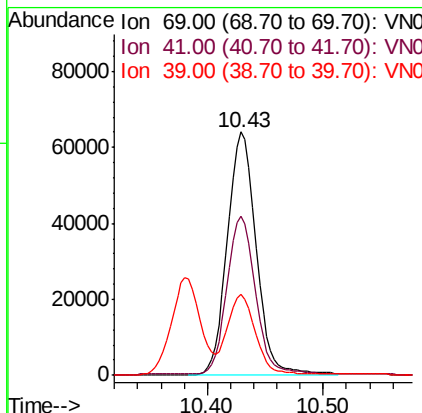
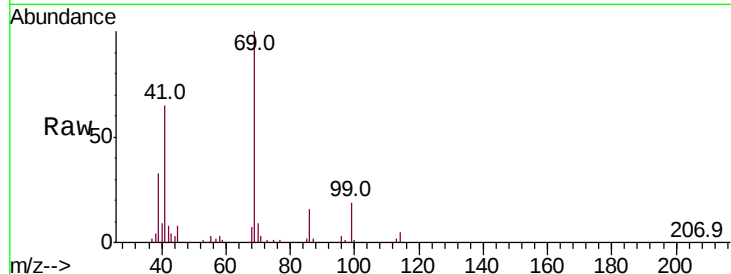
ClientSampled :

ICVVN052219

Tot Ion:	69	Resp:	110930
Ion	Ratio	Lower	Upper
69	100		
41	64.8	31.9	95.7
39	32.6	15.7	47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.184 ug/l

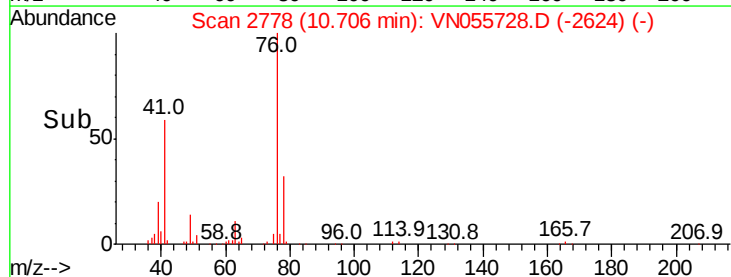
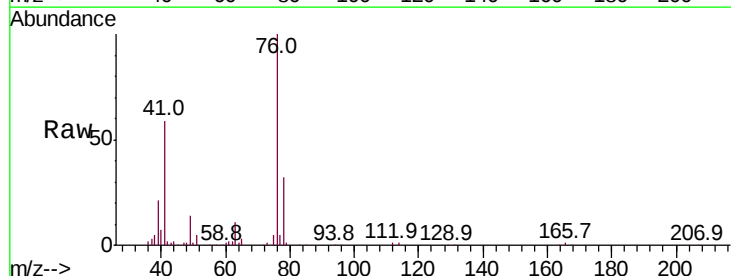
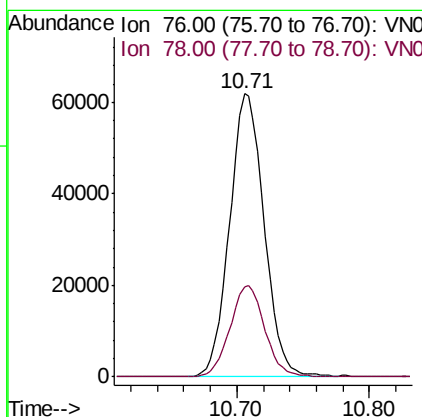
RT: 10.71 min Scan# 2778

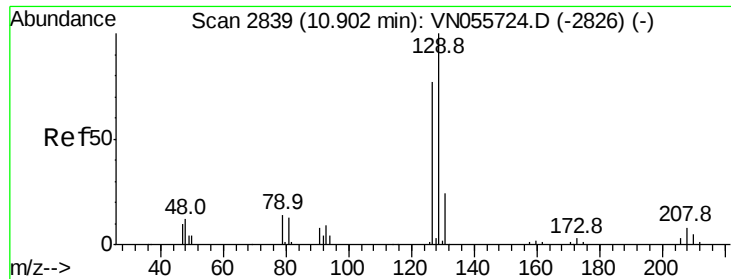
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	76	Resp:	112040
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.0





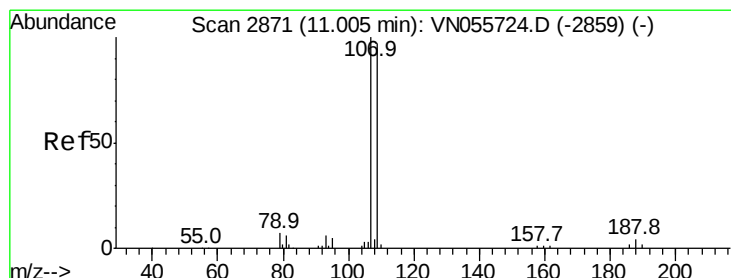
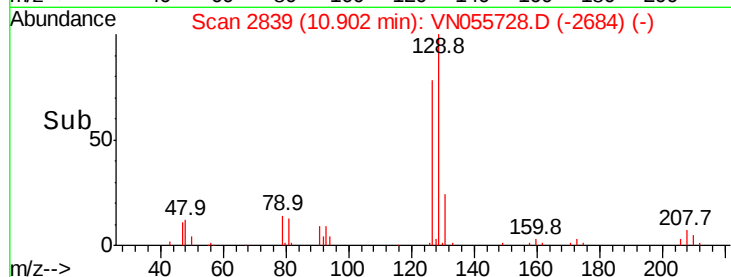
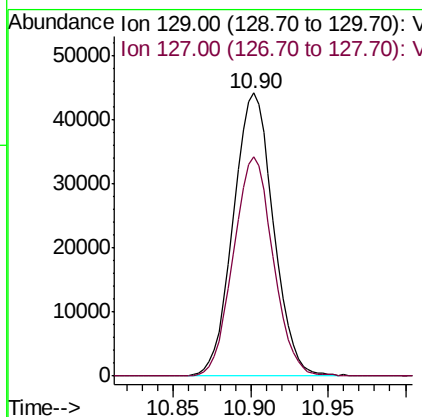
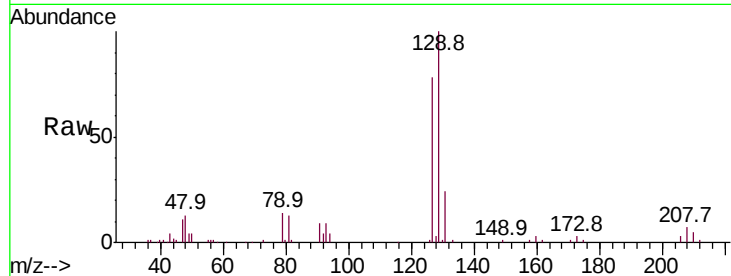
#53
 Dibromochloromethane
 Concen: 19.990 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion:129 Resp: 79528
 Ion Ratio Lower Upper
 129 100
 127 76.8 39.2 117.6

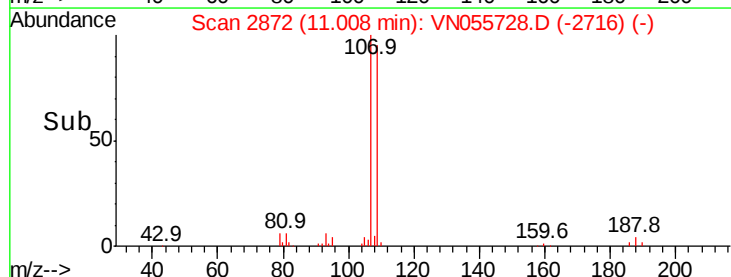
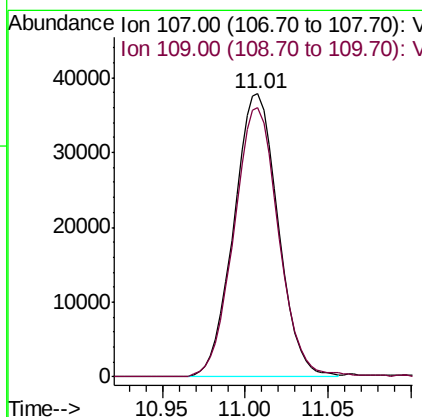
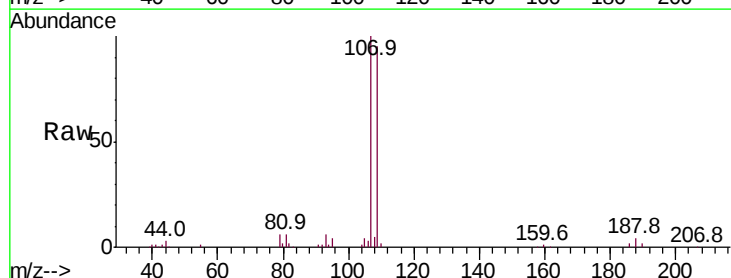
Manual Integrations
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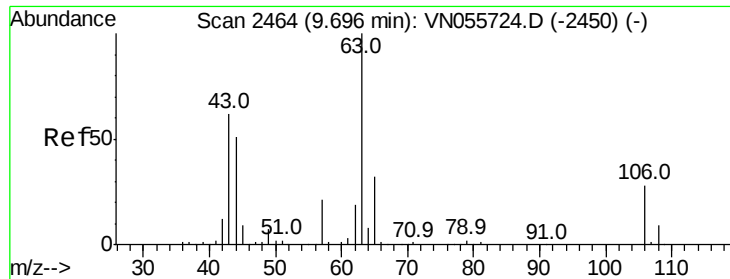
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#54
 1,2-Dibromoethane
 Concen: 20.179 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion:107 Resp: 70322
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 93.729 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

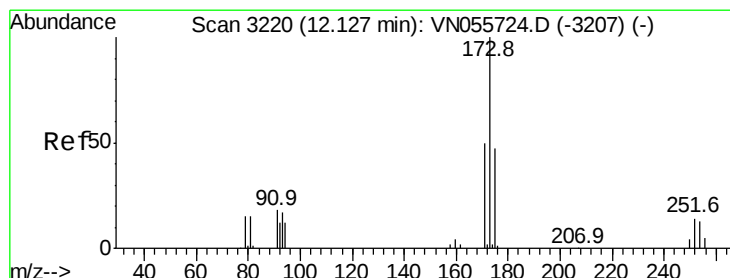
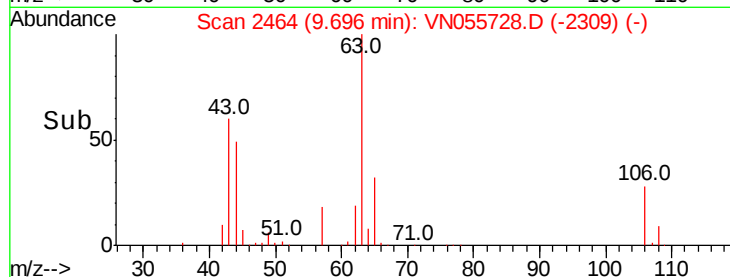
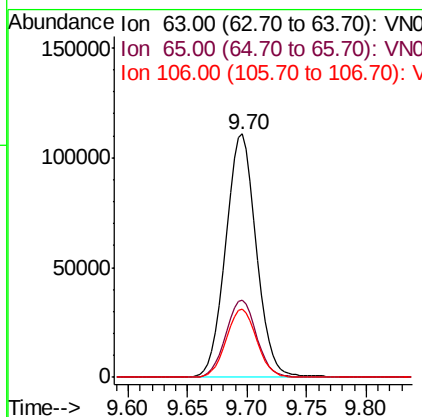
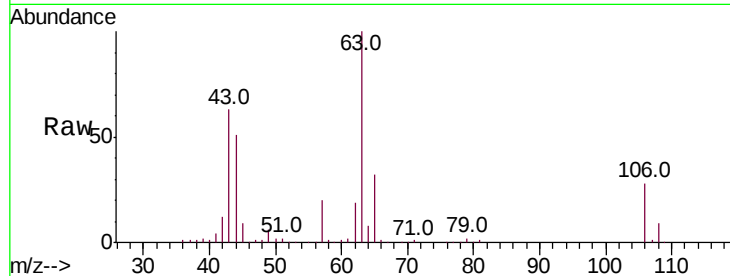
ClientSampleId :

ICVVN052219

Tot Ion:	63	Resp:	197960
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.0
106	27.7	22.1	33.1

Manual Integrations
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#56

Bromoform

Concen: 19.398 ug/l

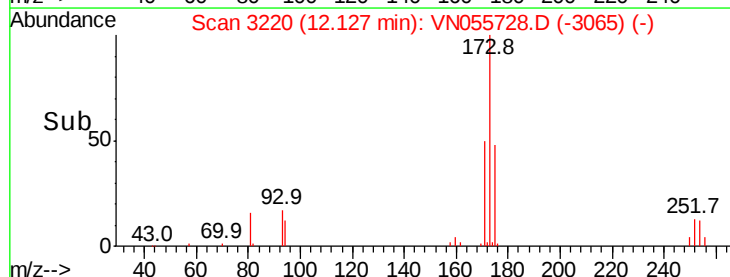
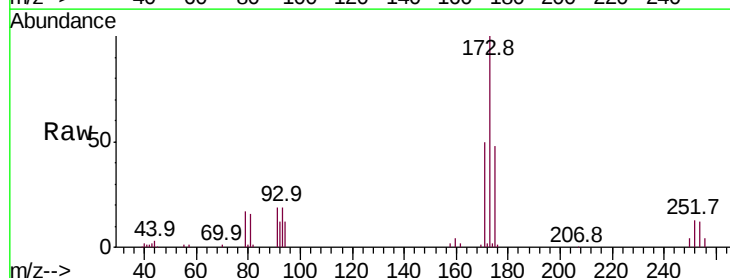
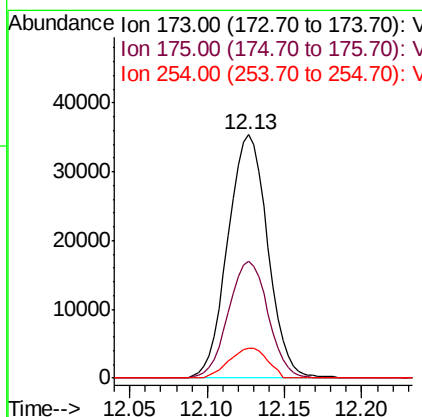
RT: 12.13 min Scan# 3220

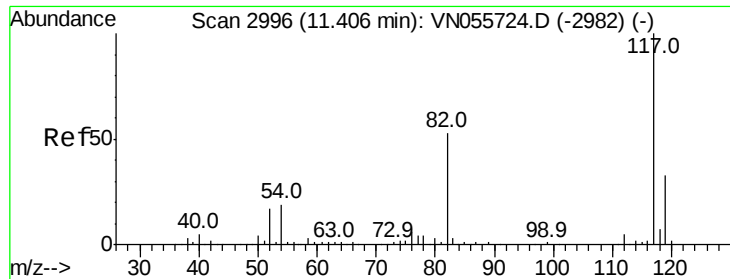
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	173	Resp:	63302
Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.5	57.7
254	11.7	9.4	14.0





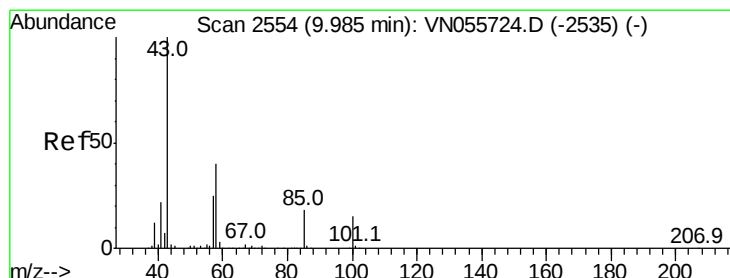
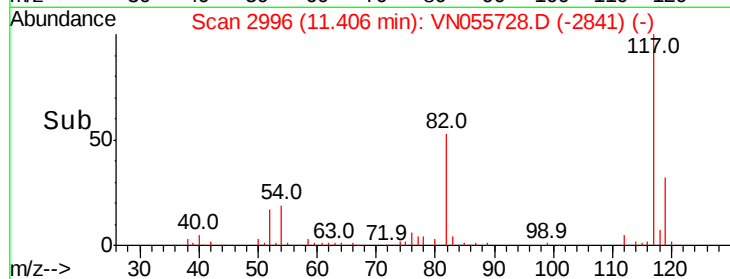
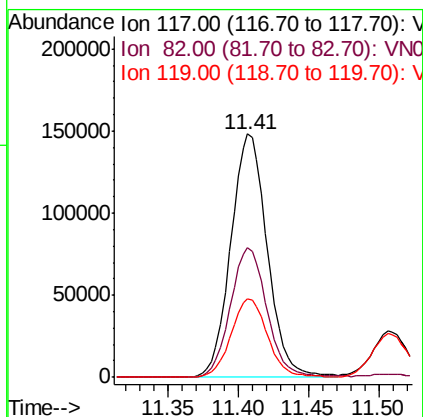
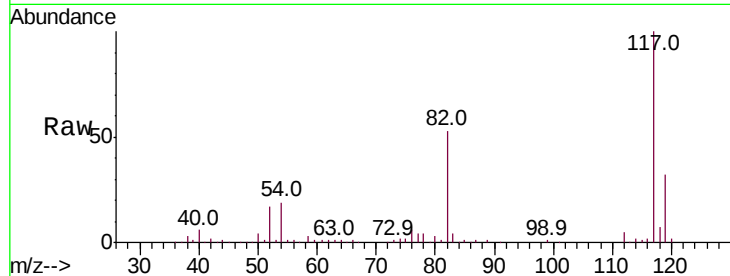
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.6	42.6	64.0
119	32.3	25.9	38.9

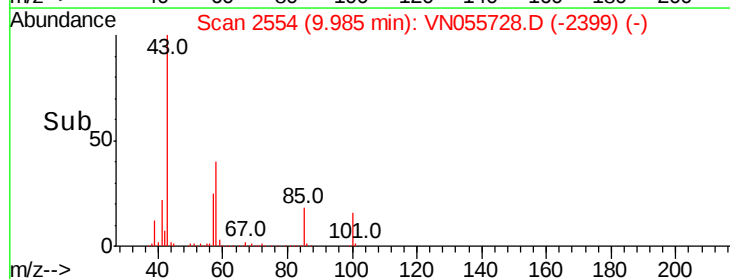
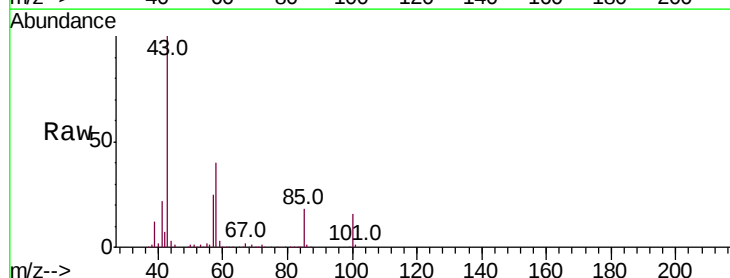
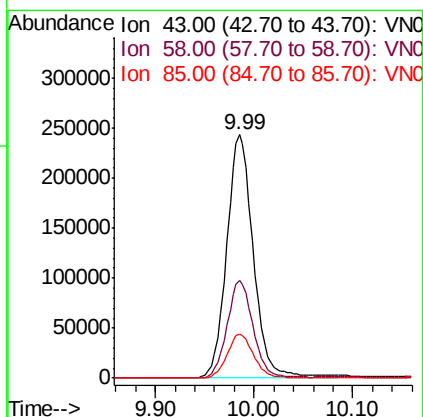
Manual Integrations
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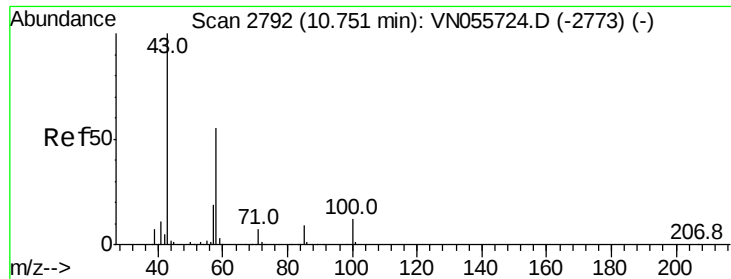
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.671 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.7	31.7	47.5
85	18.3	14.5	21.7





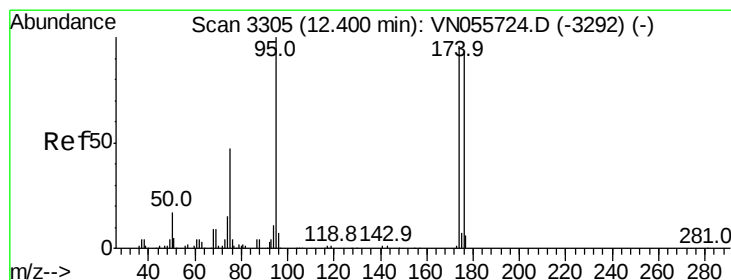
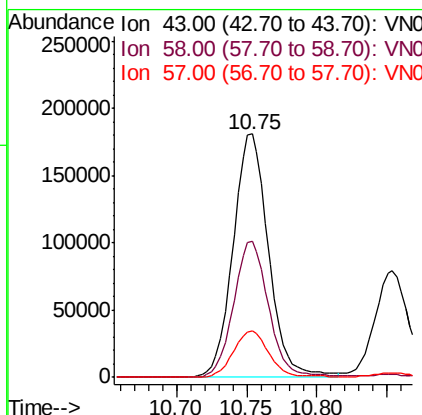
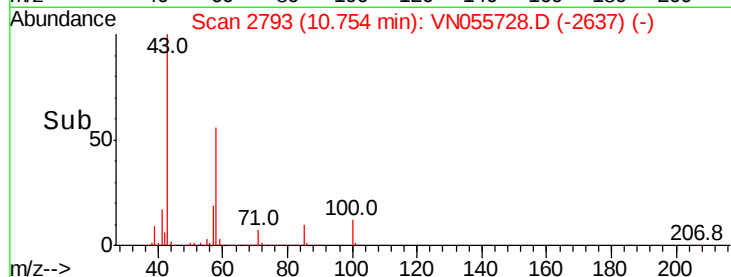
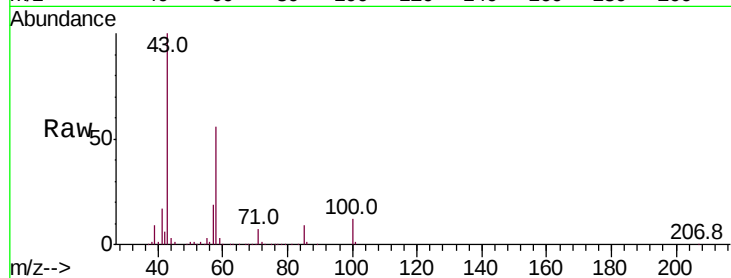
#59
2-Hexanone
Concen: 99.204 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	44.8	67.2
57	19.2	15.3	22.9

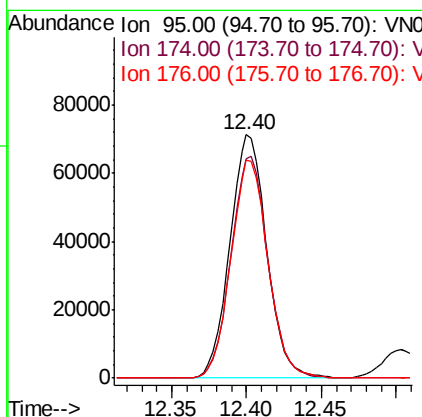
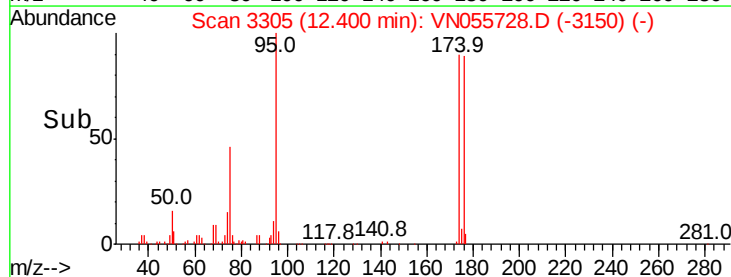
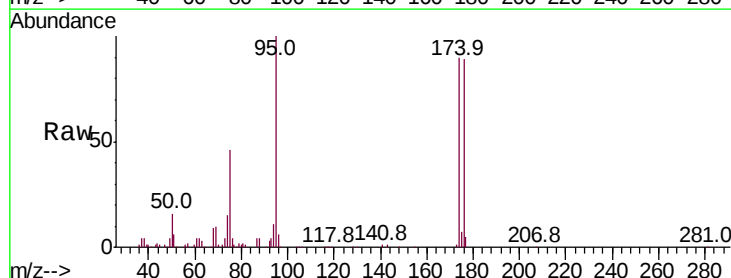
Manual Integrations
APPROVED

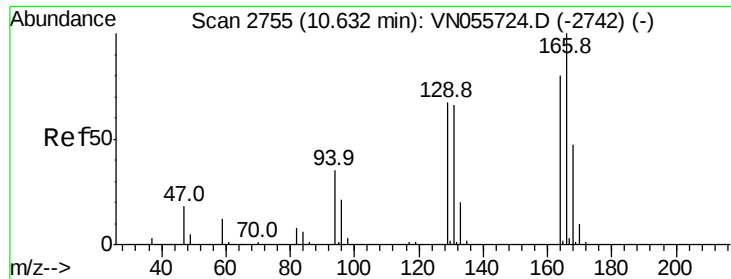
MMDadoda
5/23/2019 12:31:31 PM



#60
4-Bromofluorobenzene
Concen: 29.244 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	75.7	113.5
176	90.0	74.1	111.1





#61

Tetrachloroethene

Concen: 20.152 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion:164 Resp: 73313

Ion Ratio Lower Upper

164 100

166 127.2 100.6 150.8

129 88.9 67.4 101.2

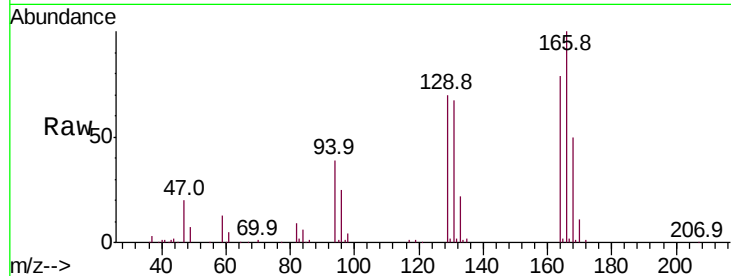
131 85.8 66.6 99.8

Manual Integrations

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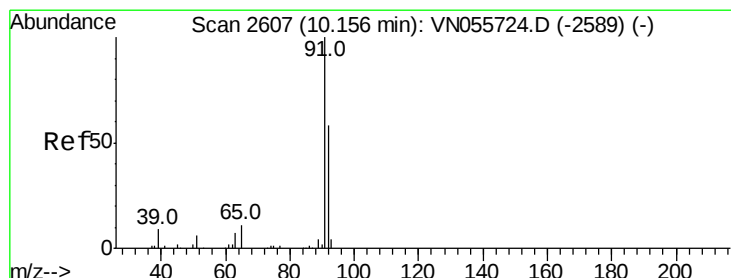
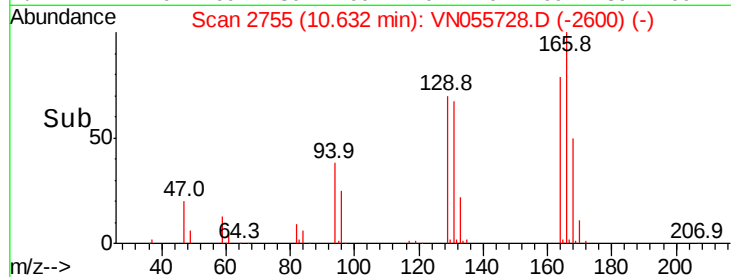
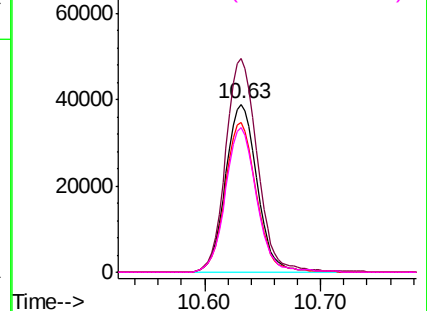


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.921 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055728.D

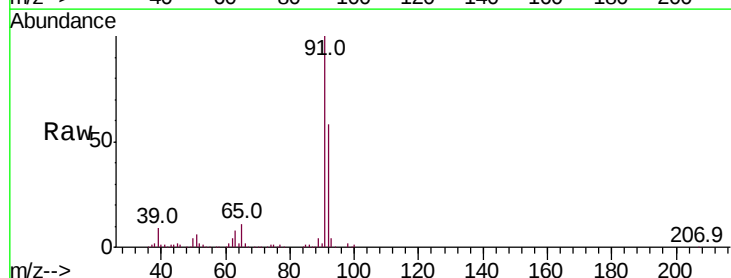
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 302359

Ion Ratio Lower Upper

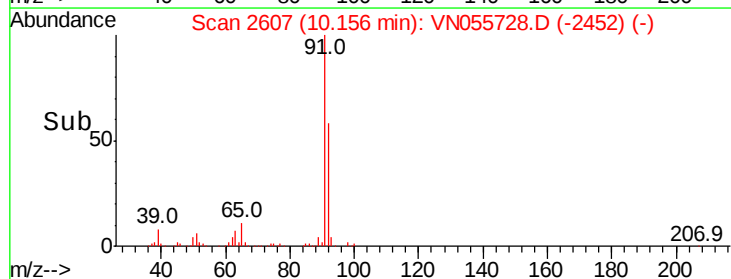
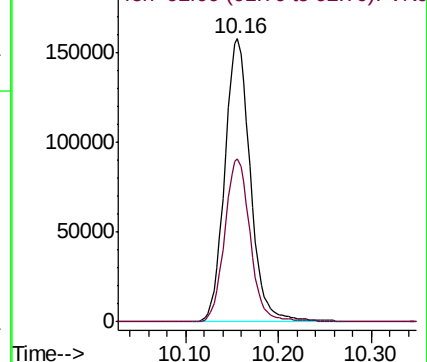
91 100

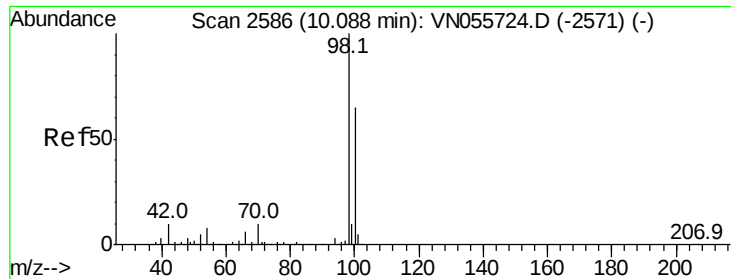
92 57.7 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.496 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

ICV052219

Tot Ion: 98 Resp: 374539

Ion Ratio Lower Upper

98 100

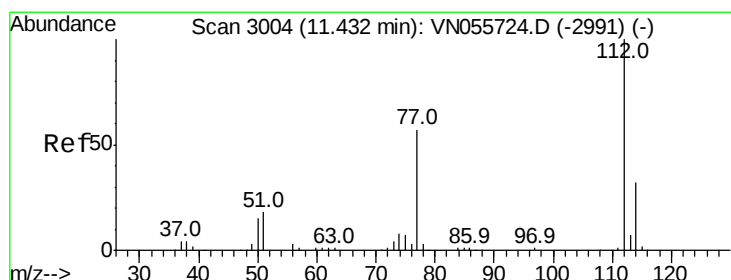
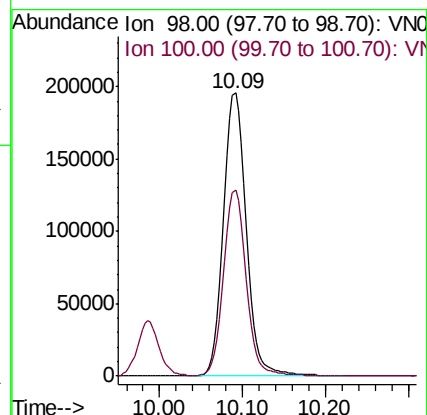
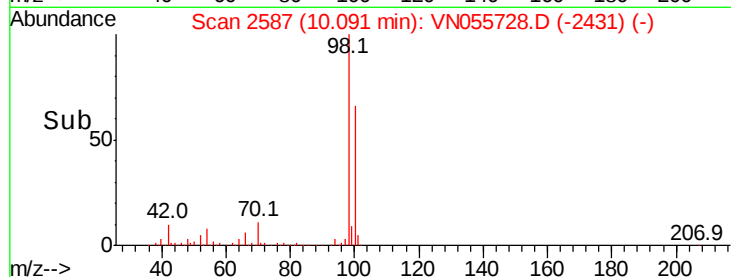
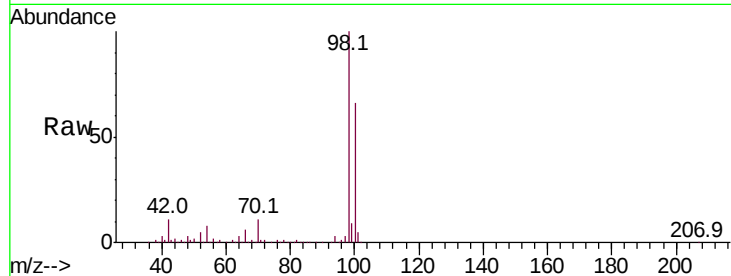
100 64.9 51.6 77.4

Manual Integrations

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#64

Chlorobenzene

Concen: 20.651 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055728.D

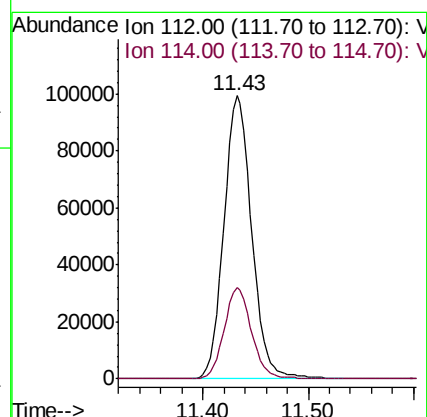
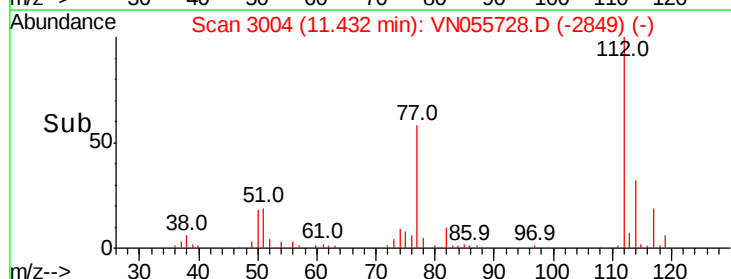
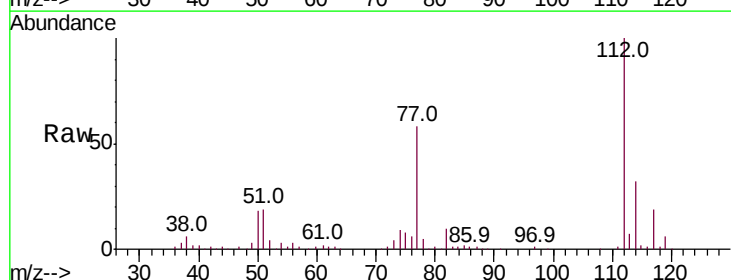
Acq: 22 May 2019 19:27

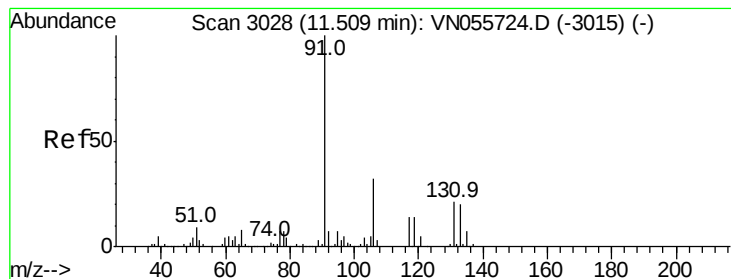
Tgt Ion: 112 Resp: 181042

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

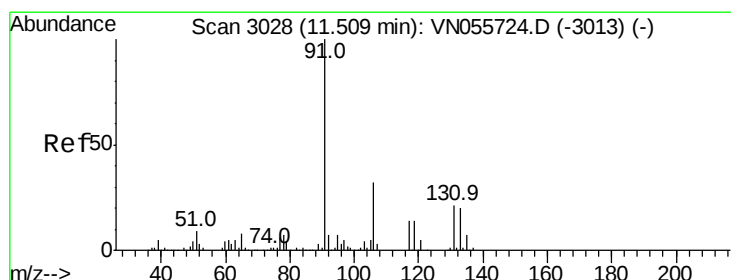
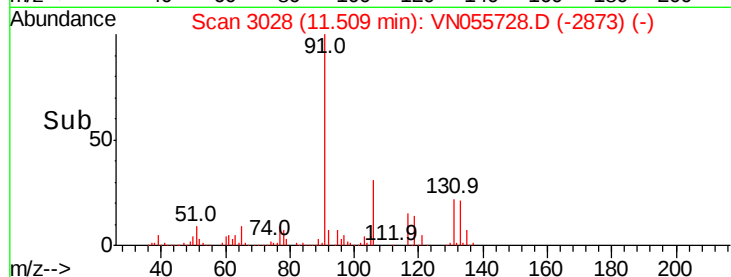
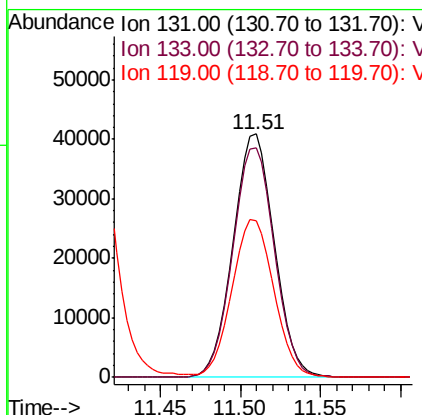
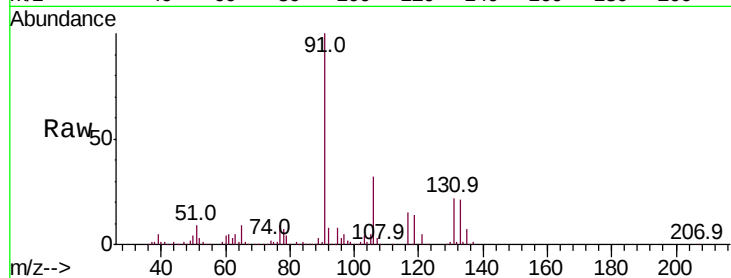
ClientSampled :

ICVVN052219

Tot Ion:	131	Resp:	71755
Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	188.8
119	66.2	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.578 ug/l

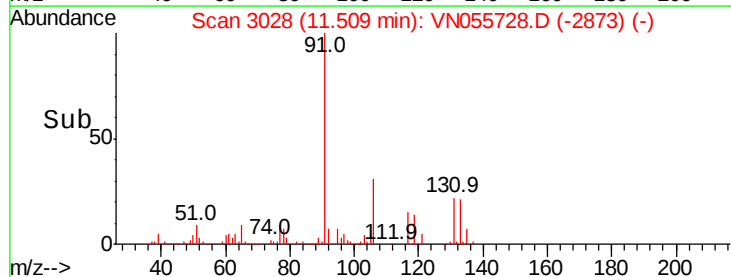
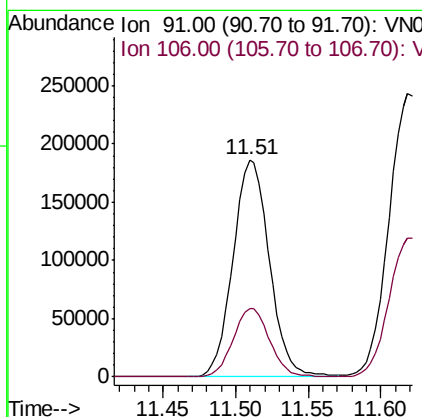
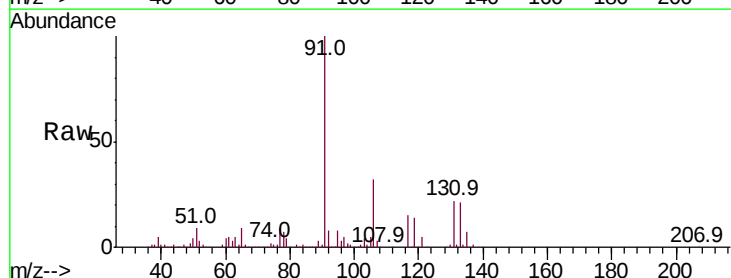
RT: 11.51 min Scan# 3028

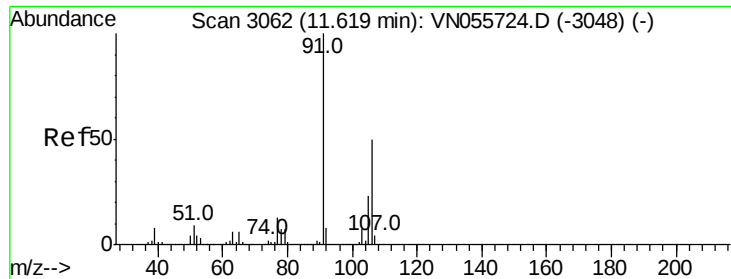
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	91	Resp:	324945
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.6	38.4





#67

m/p-Xylenes

Concen: 40.544 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

ICVVN052219

Tot Ion:106 Resp: 243204

Ion Ratio Lower Upper

106 100

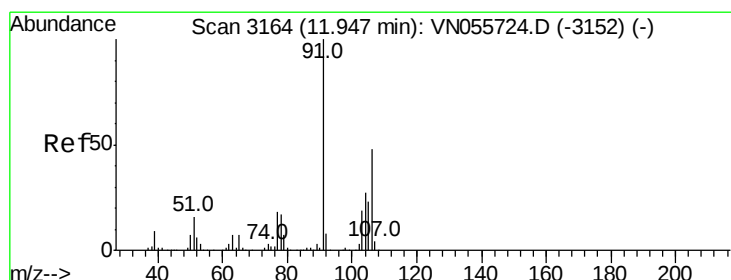
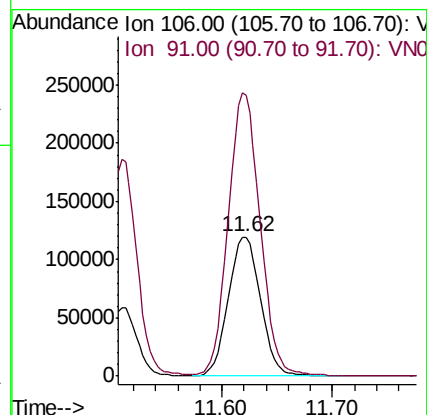
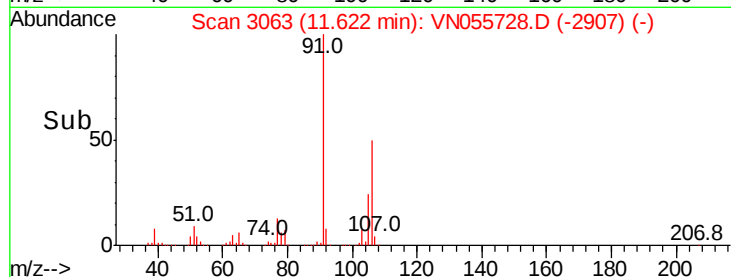
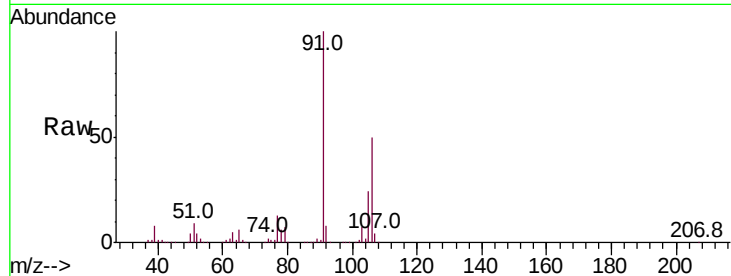
91 200.9 159.5 239.3

Manual Integrations

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#68

o-Xylene

Concen: 20.228 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055728.D

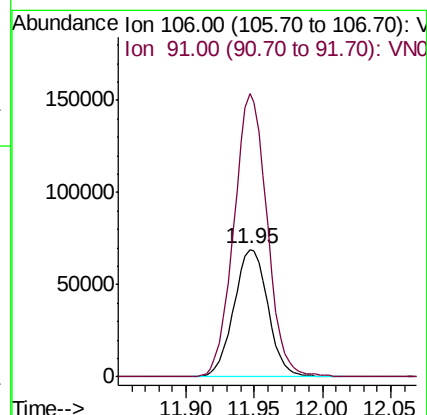
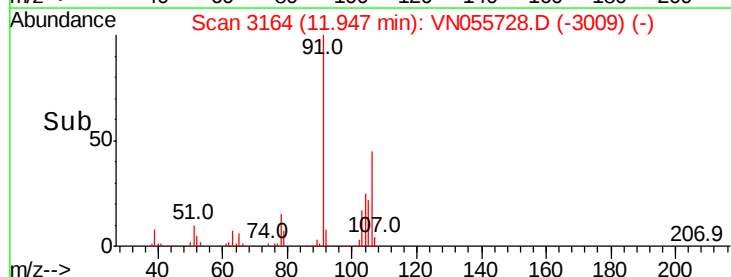
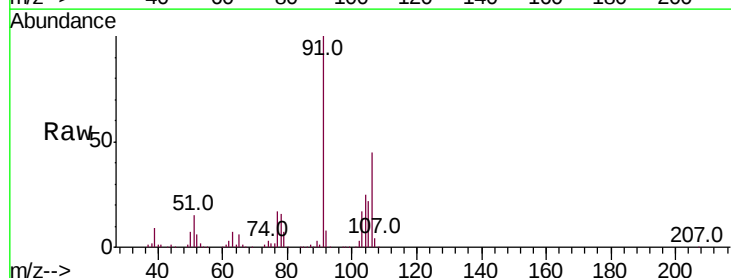
Acq: 22 May 2019 19:27

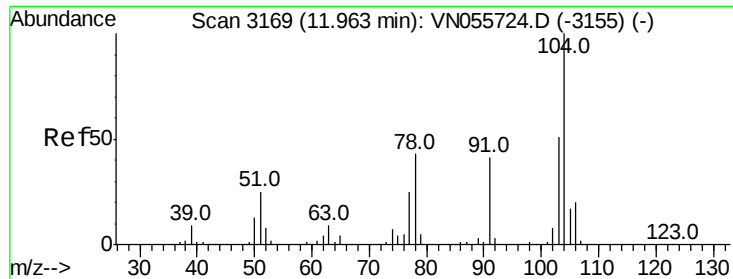
Tgt Ion:106 Resp: 120072

Ion Ratio Lower Upper

106 100

91 216.5 105.4 316.1





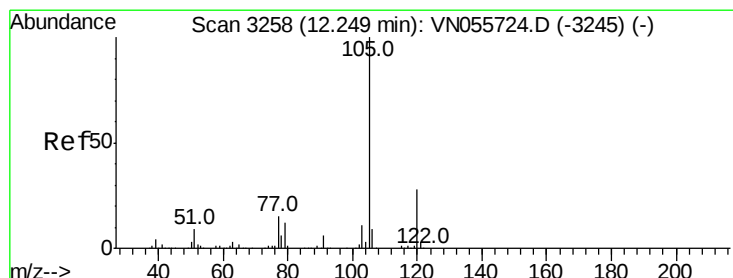
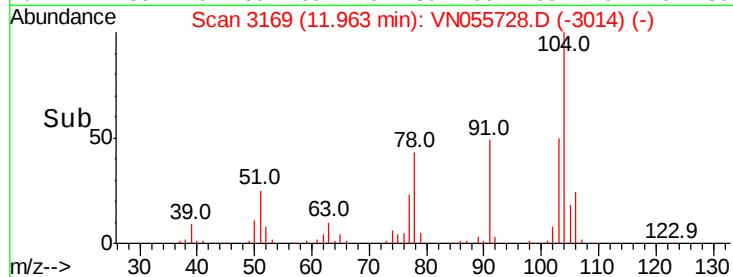
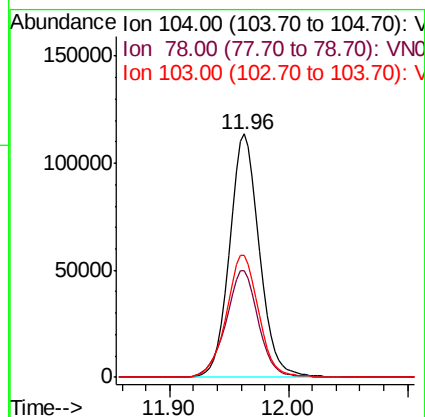
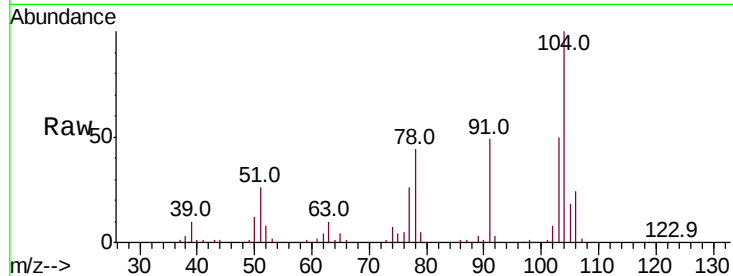
#69
Stvrene
Concen: 20.141 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.7	58.1
103	54.5	45.0	67.6

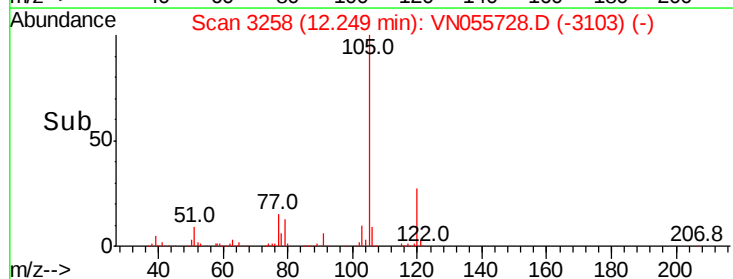
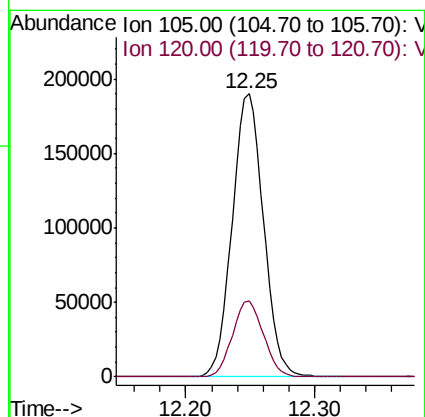
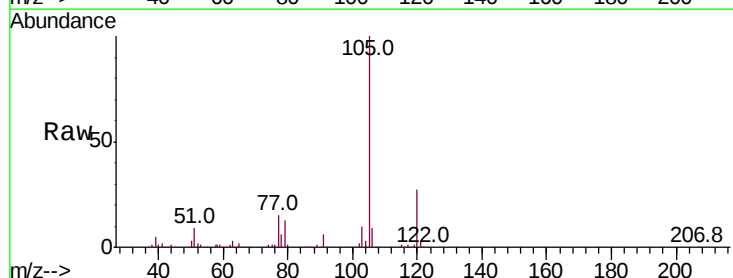
Manual Integrations
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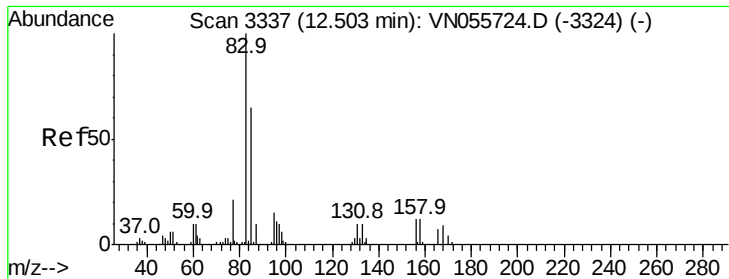
MMDadoda
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#70
Isopropylbenzene
Concen: 20.611 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.2	35.6





#71

1,1,2,2-Tetrachloroethane

Concen: 20.589 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

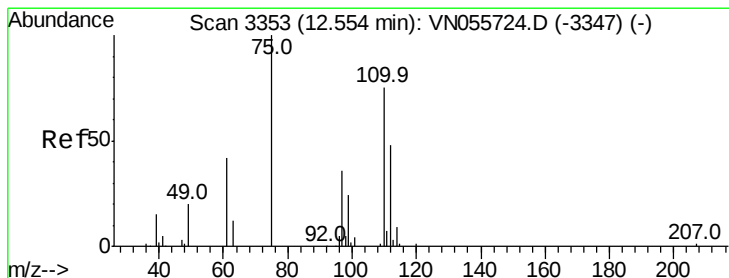
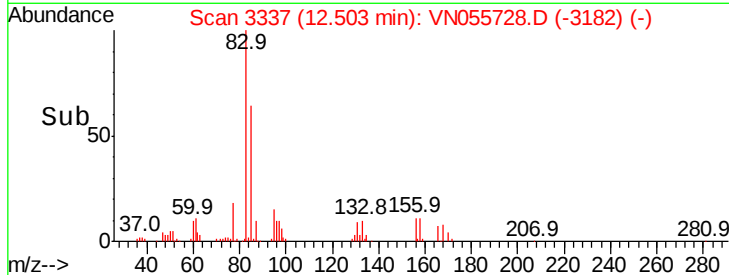
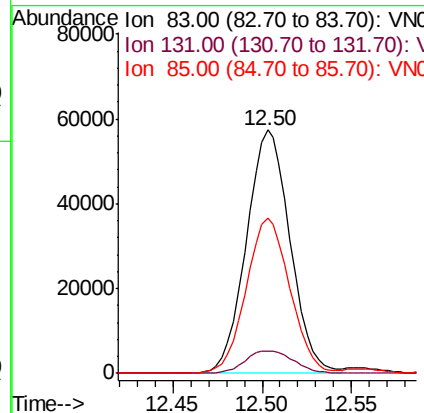
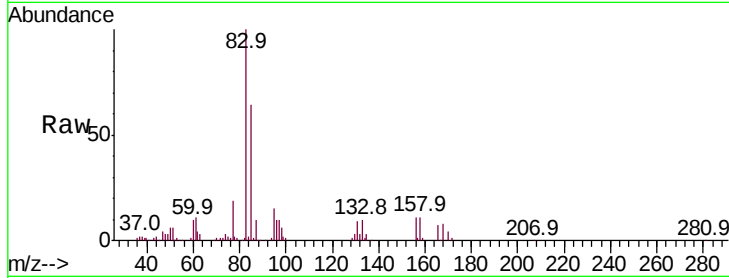
ClientSampleId :

ICVVN052219

Tot Ion:	83	Resp:	98413
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.0	32.3	96.9

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#72

1,2,3-Trichloropropane

Concen: 21.423 ug/l m

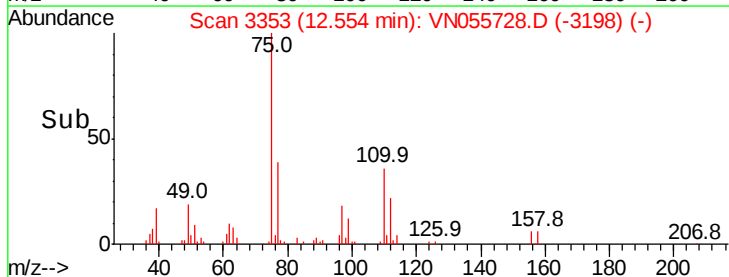
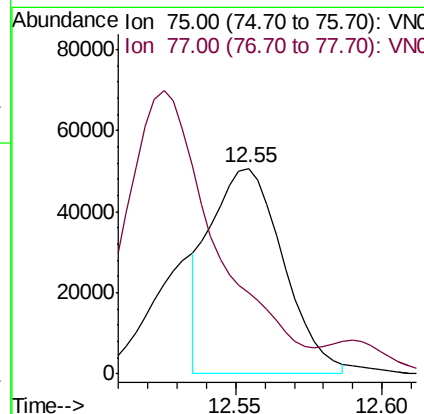
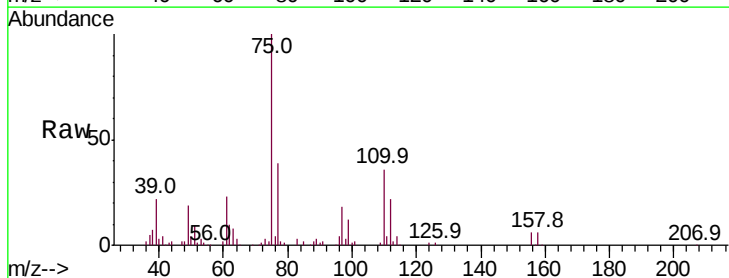
RT: 12.55 min Scan# 3353

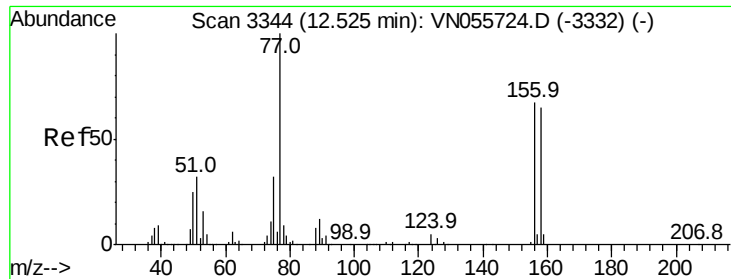
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	75	Resp:	88128
Ion Ratio	Lower	Upper	
75	100		
77	172.0	0.0	349.8





#73

Bromobenzene

Concen: 19.543 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

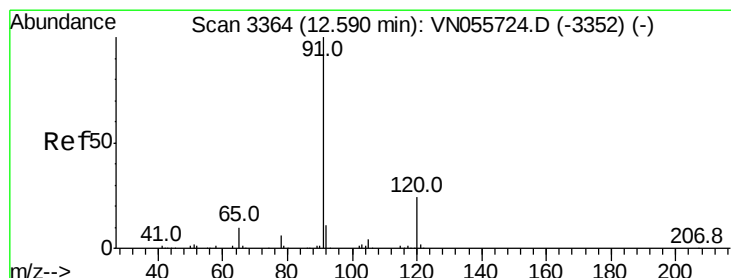
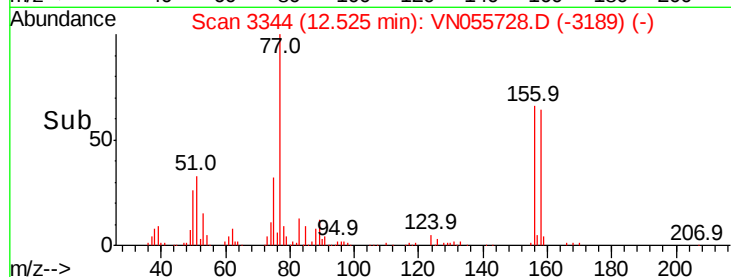
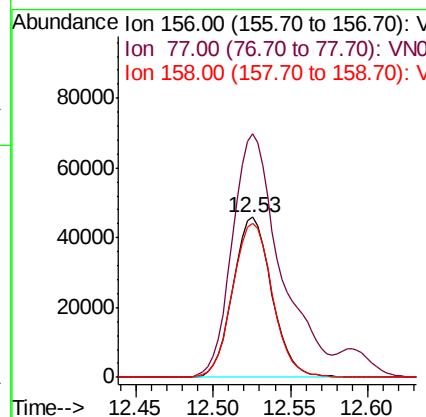
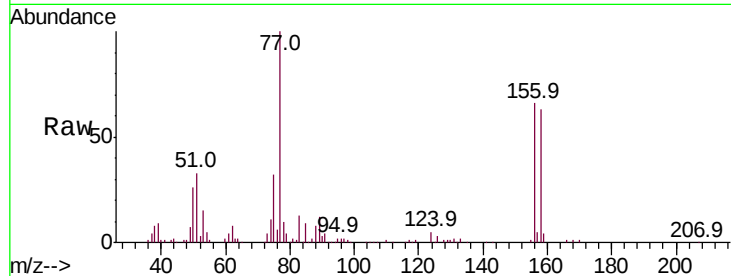
ClientSampled :

ICVVN052219

Tot Ion:	156	Resp:	80297
Ion Ratio	Lower	Upper	
156	100		
77	188.8	0.0	368.0
158	98.4	0.0	195.0

Manual Integrations
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#74

n-propylbenzene

Concen: 20.231 ug/l

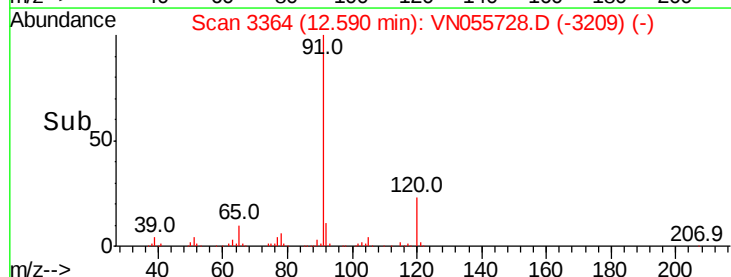
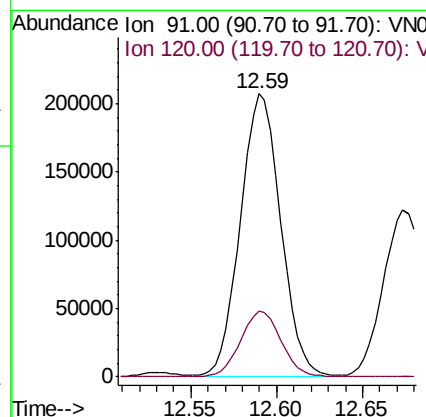
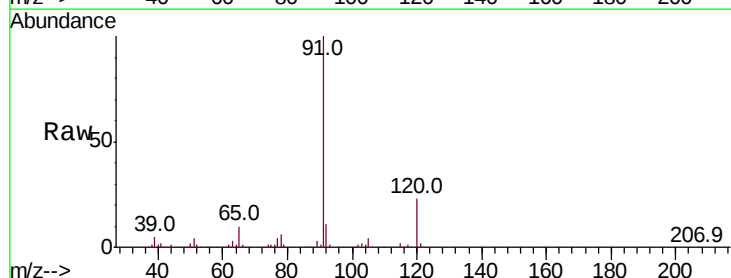
RT: 12.59 min Scan# 3364

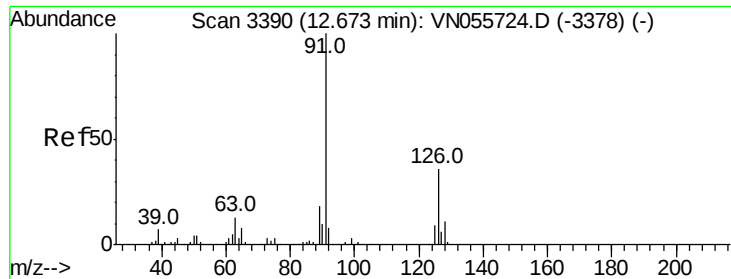
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	91	Resp:	338888
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	47.4





#75

2-Chlorotoluene

Concen: 20.330 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052219

Tot Ion: 91 Resp: 208018

Ion Ratio Lower Upper

91 100

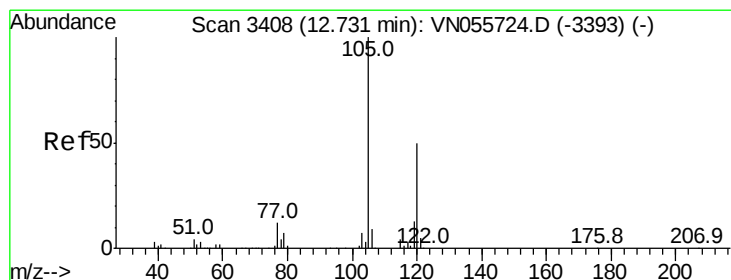
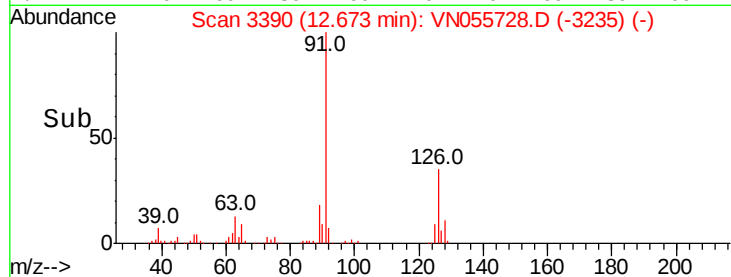
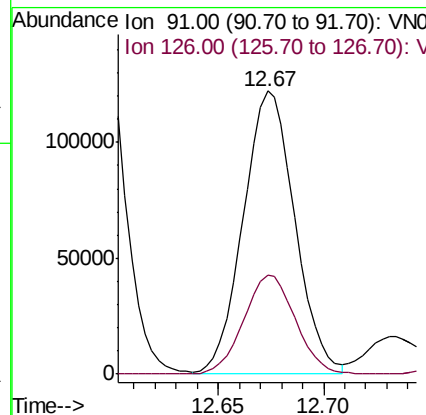
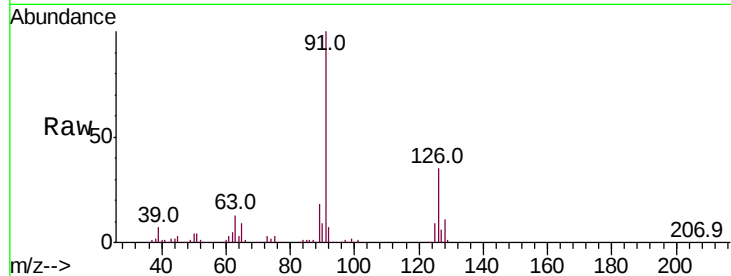
126 35.1 0.0 71.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.360 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055728.D

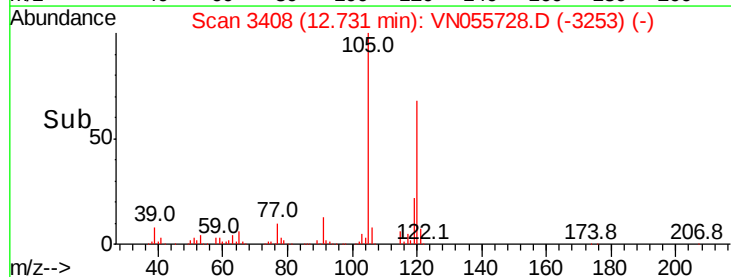
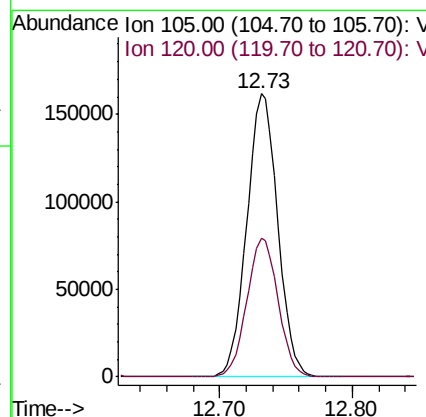
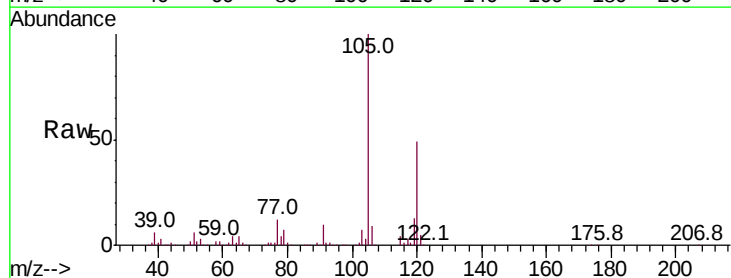
Acq: 22 May 2019 19:27

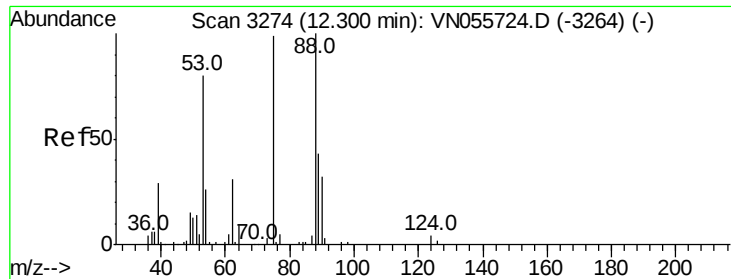
Tgt Ion:105 Resp: 261377

Ion Ratio Lower Upper

105 100

120 49.5 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.140 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

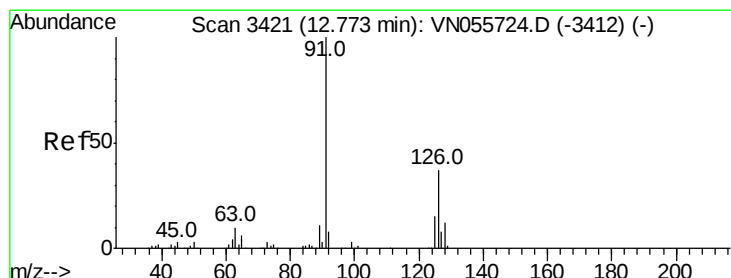
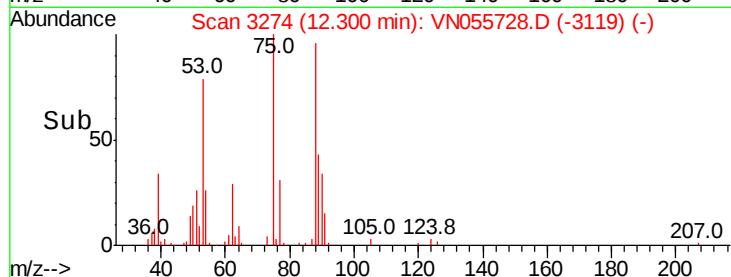
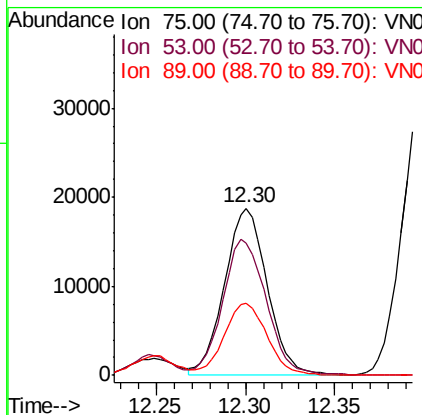
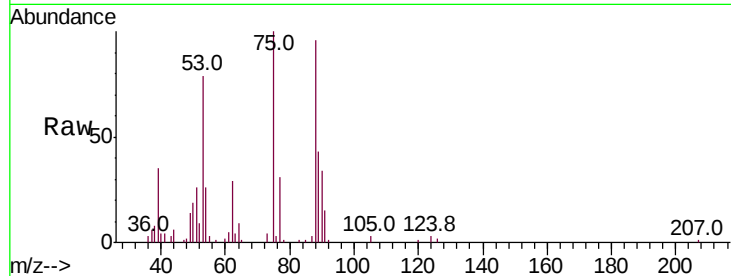
ClientSampleId :

ICVVN052219

Tot Ion:	75	Resp:	31276
Ion	Ratio	Lower	Upper
75	100		
53	78.2	40.1	120.3
89	42.9	22.6	67.8

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#78

4-Chlorotoluene

Concen: 20.029 ug/l

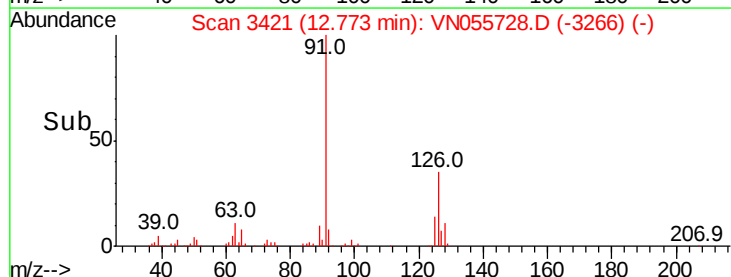
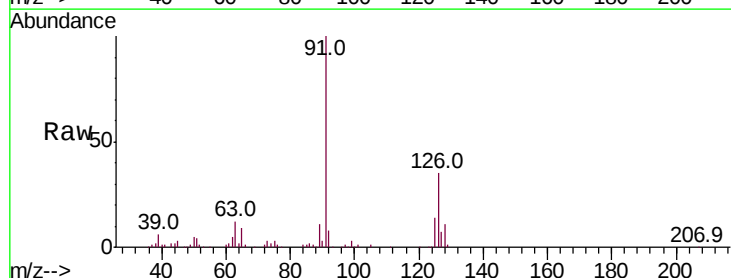
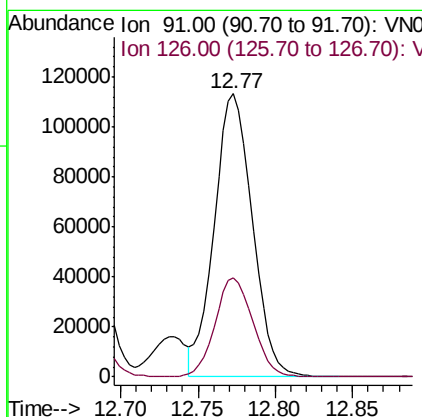
RT: 12.77 min Scan# 3421

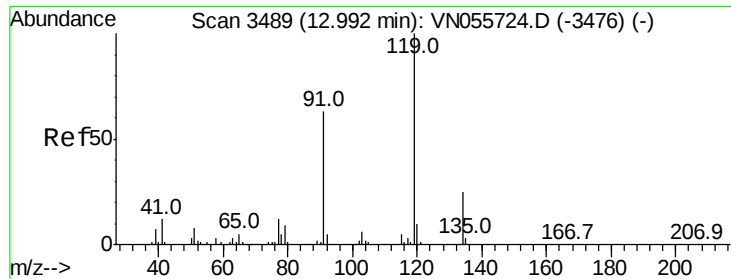
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	91	Resp:	194231
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.0





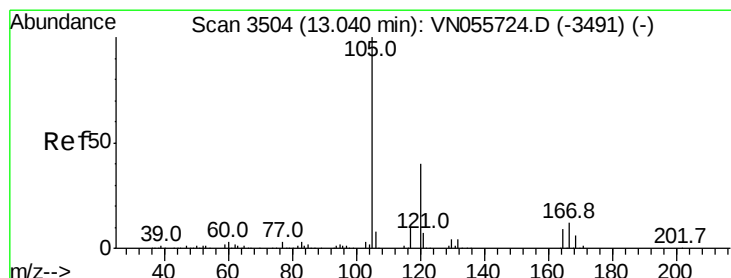
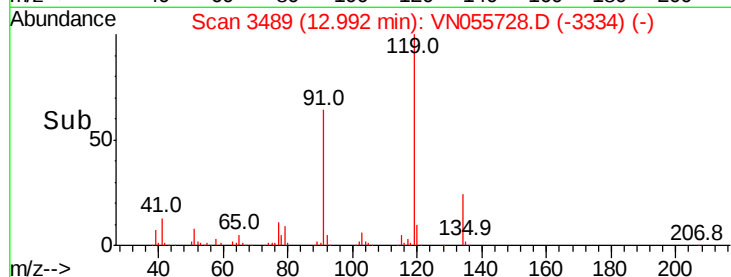
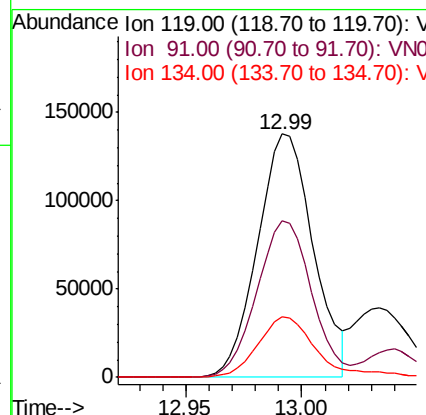
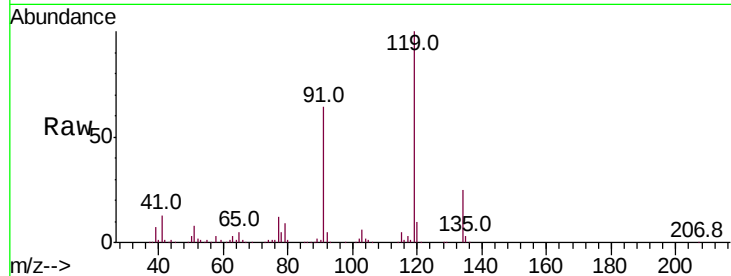
#79
tert-butylbenzene
Concen: 20.420 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052219

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230469		
91	63.3	0.0	123.8	
134	26.3	0.0	52.6	

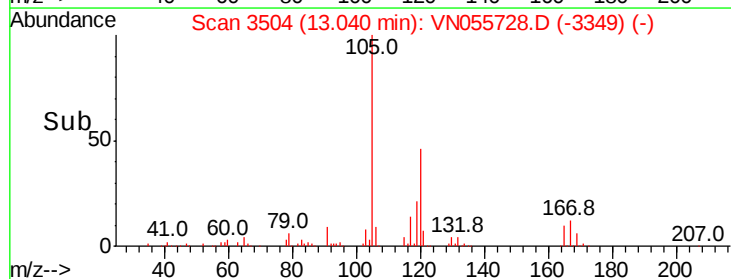
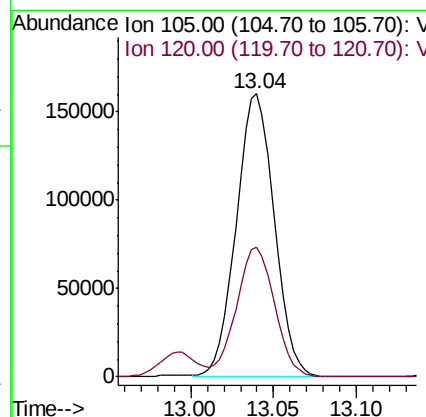
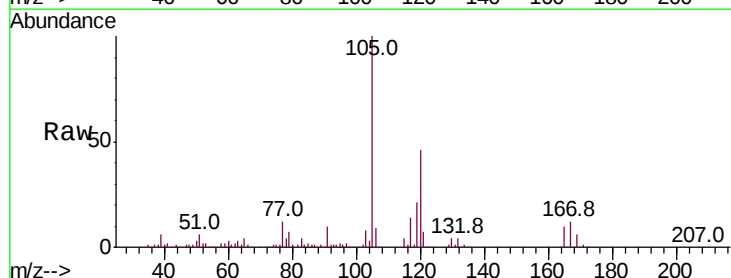
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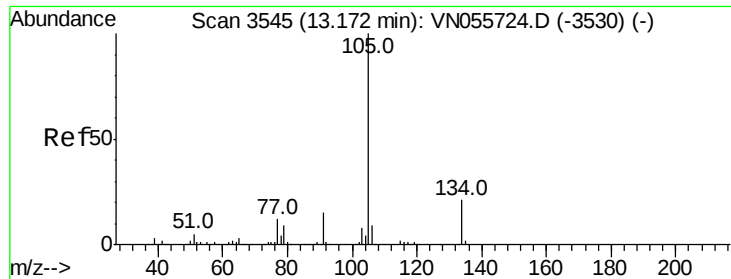
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.098 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	256131		
120	46.0	0.0	93.6	





#81

sec-Butylbenzene

Concen: 20.458 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

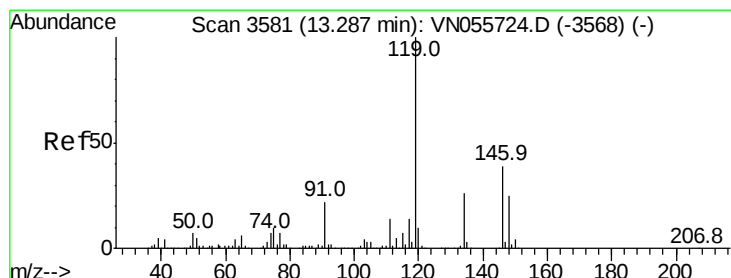
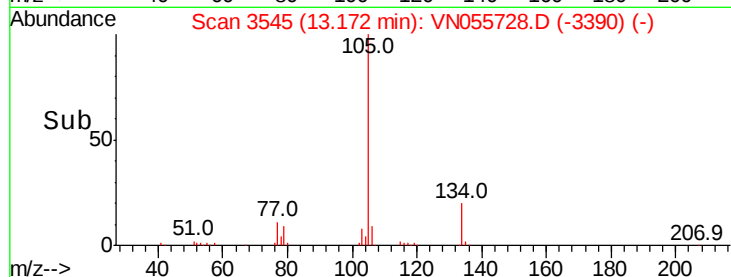
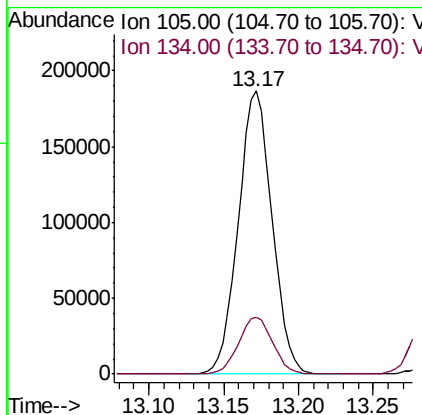
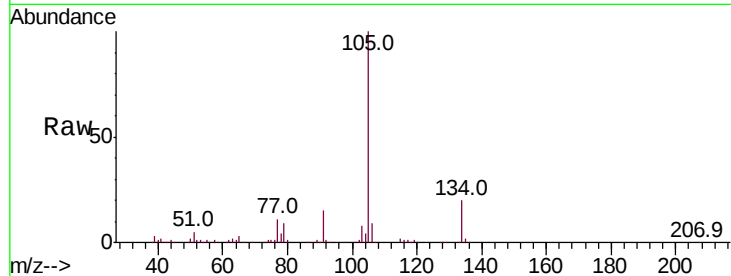
ClientSampleId :

ICVVN052219

Tot Ion	Ratio	Resp	Lower	Upper
105	100	293366		
134	20.4	0.0	41.4	

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#82

p-Isopropyltoluene

Concen: 19.950 ug/l

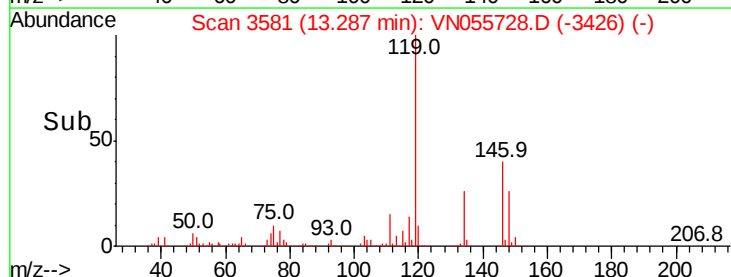
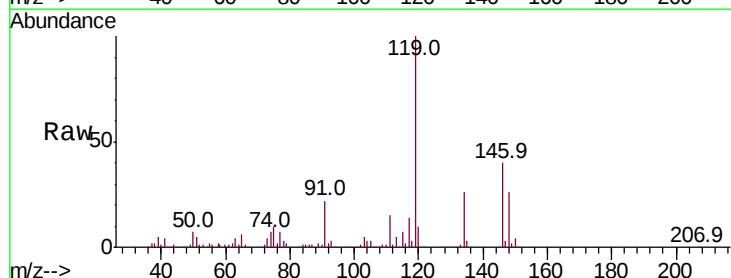
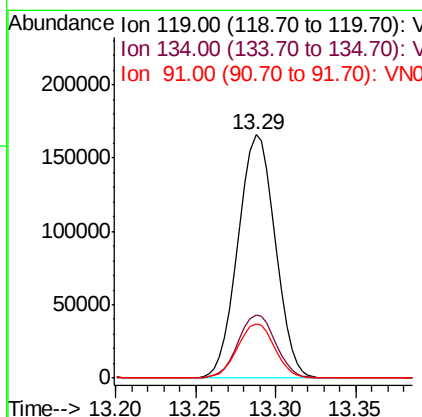
RT: 13.29 min Scan# 3581

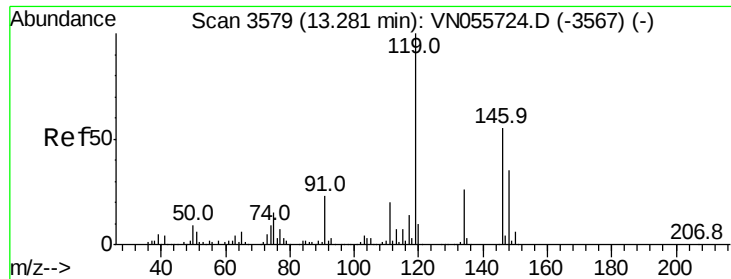
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	263287		
134	26.2	0.0	52.0	
91	22.2	0.0	44.4	





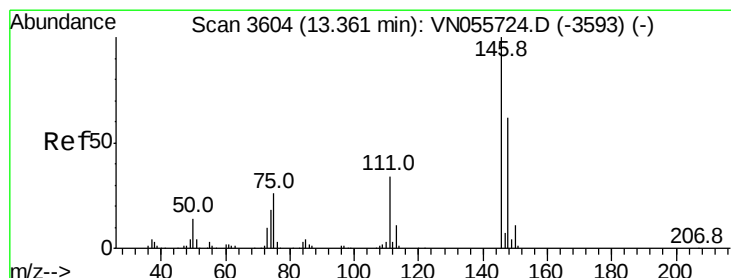
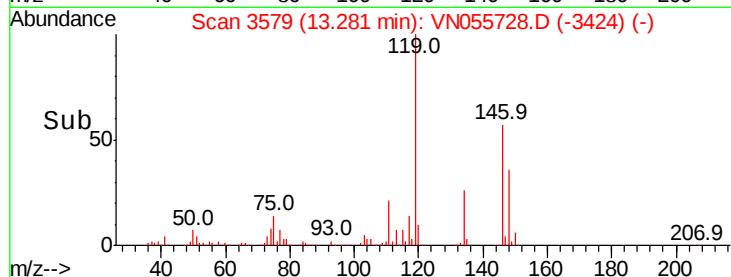
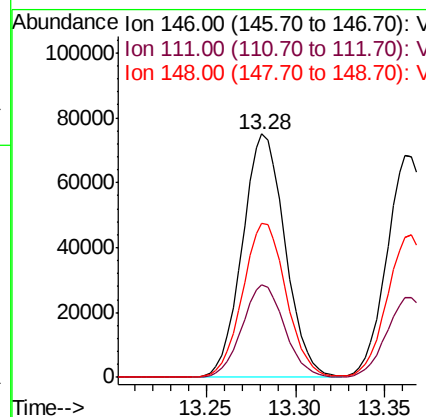
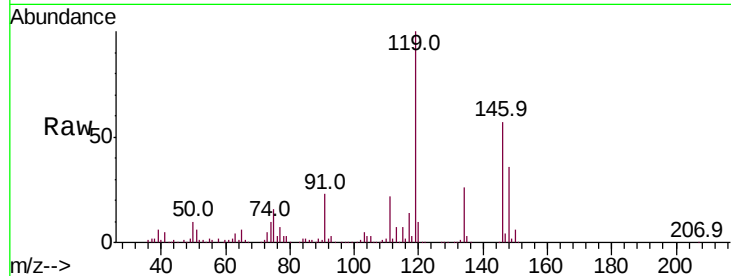
#83
 1,3-Dichlorobenzene
 Concen: 19.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN052219

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.6
148	64.5	32.2	96.6

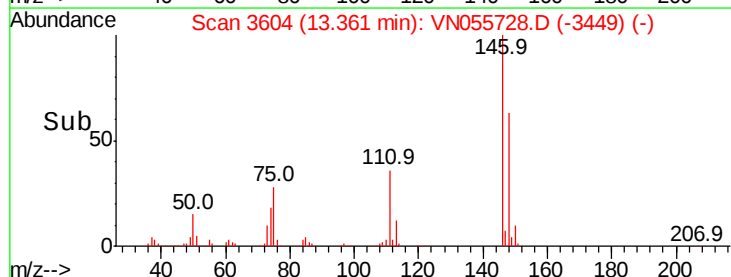
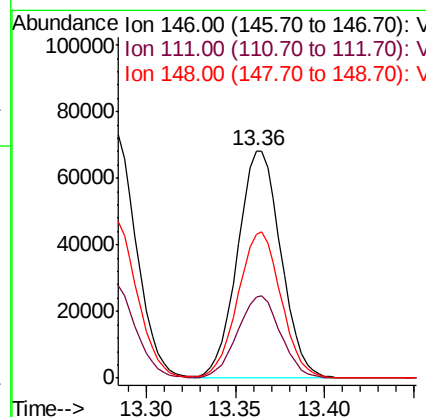
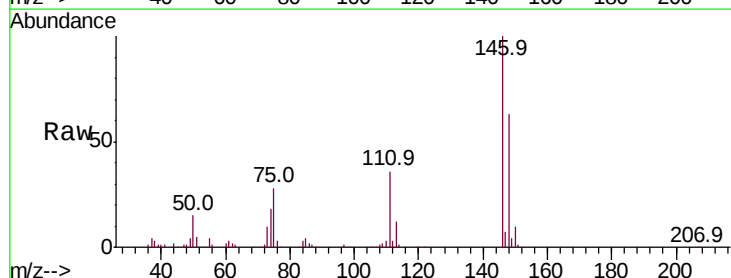
Manual Integrations
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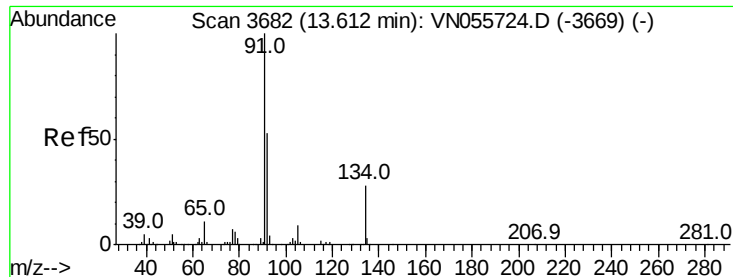
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#84
 1,4-Dichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.5	52.6
148	64.1	31.8	95.4





#85

n-Butylbenzene

Concen: 19.406 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_N

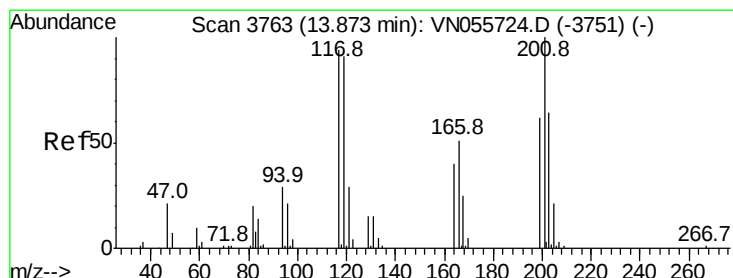
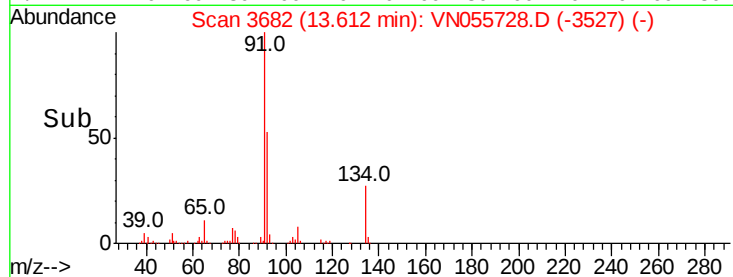
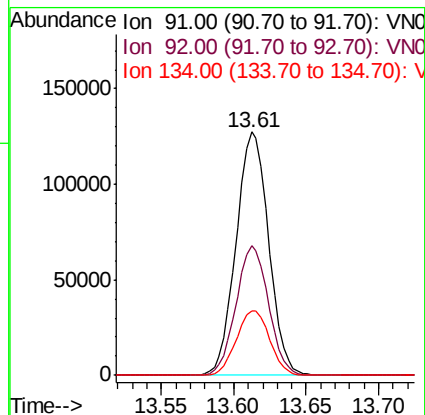
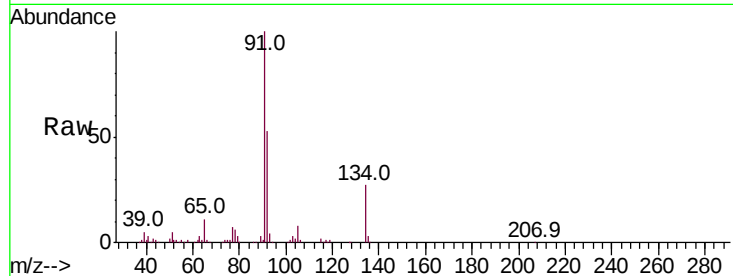
ClientSampleId :

ICVVN052219

Tot Ion:	91	Resp:	199240
Ion Ratio	Lower	Upper	
91	100		
92	52.9	0.0	106.8
134	27.1	0.0	55.2

Manual Integrations
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#86

Hexachloroethane

Concen: 20.191 ug/l

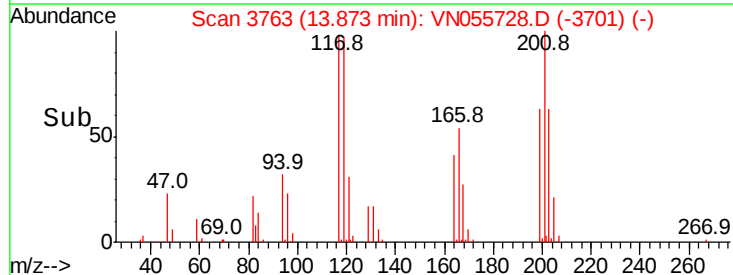
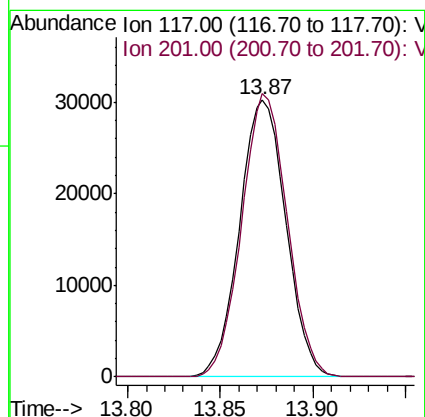
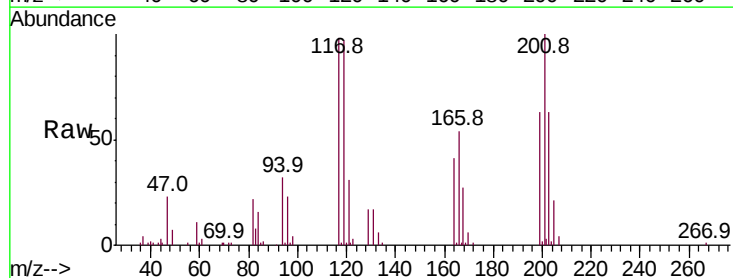
RT: 13.87 min Scan# 3763

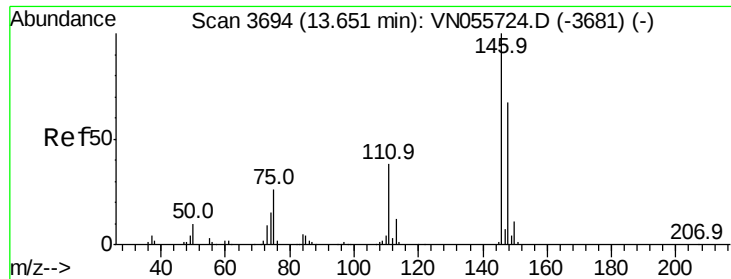
Delta R.T. -0.00 min

Lab File: VN055728.D

Acq: 22 May 2019 19:27

Tgt Ion:	117	Resp:	52411
Ion Ratio	Lower	Upper	
117	100		
201	100.3	52.5	157.6





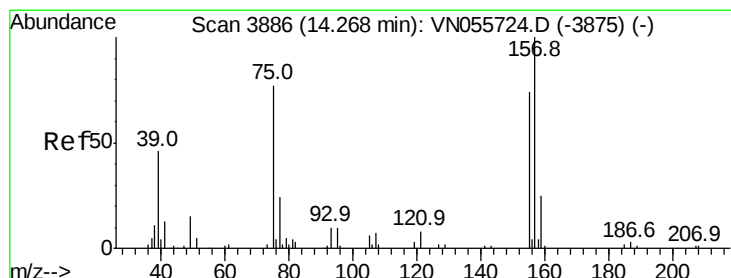
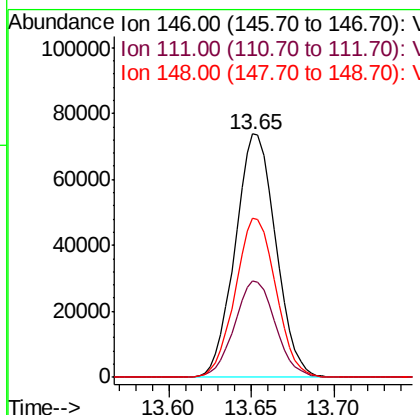
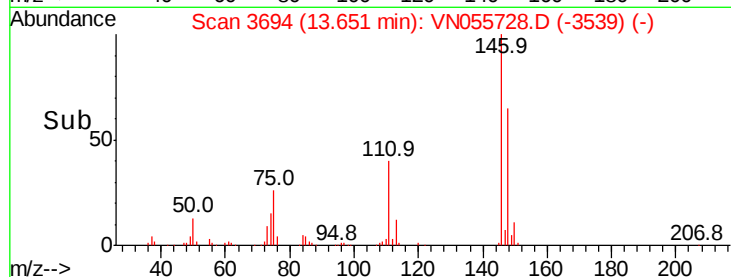
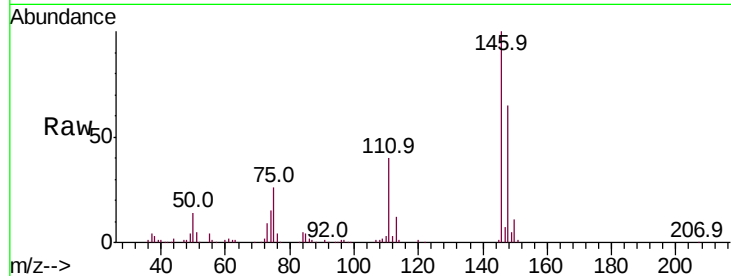
#87
 1,2-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.2	57.6
148	65.1	32.7	98.1

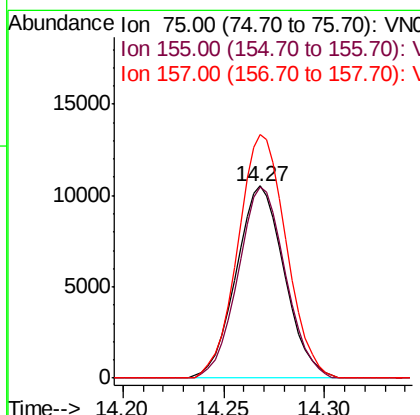
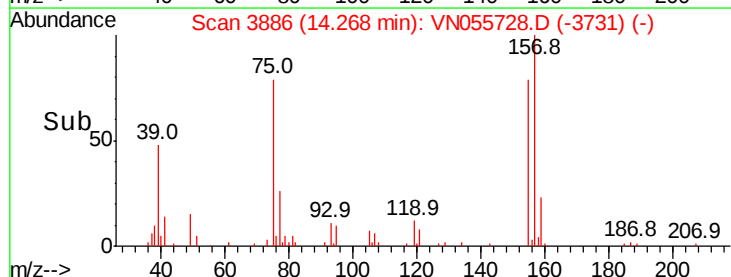
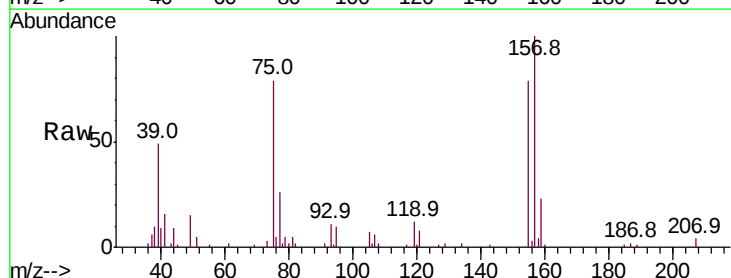
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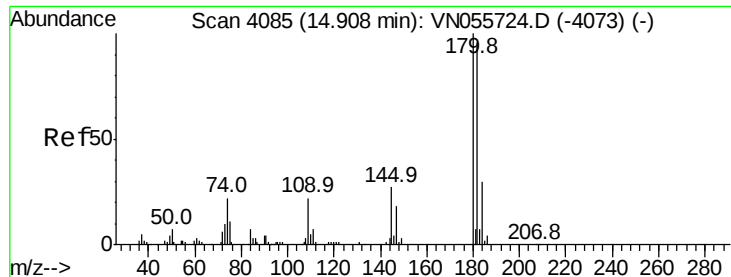
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.521 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	78.4	117.6
157	126.8	105.0	157.4





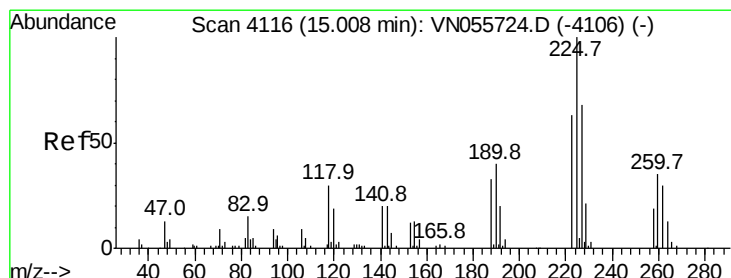
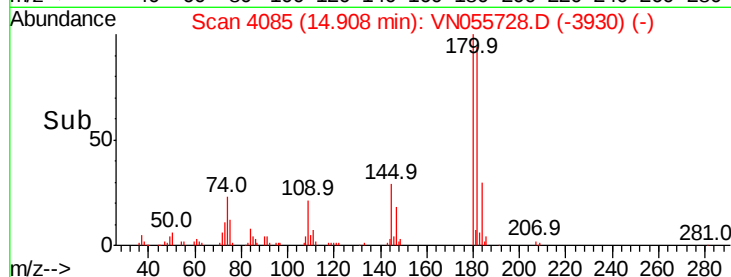
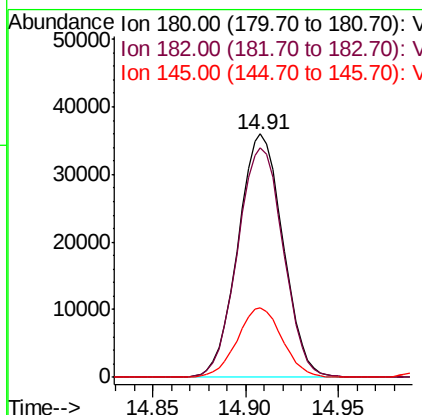
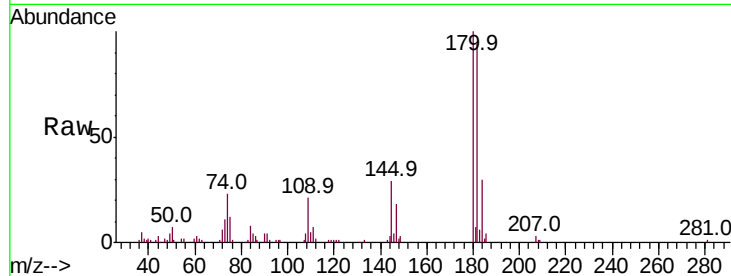
#89
 1,2,4-Trichlorobenzene
 Concen: 17.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052219

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	28.4	21.8	32.8

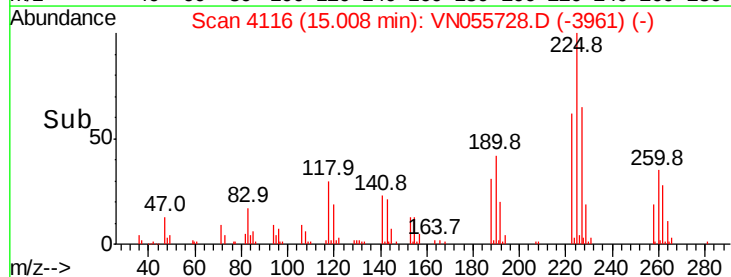
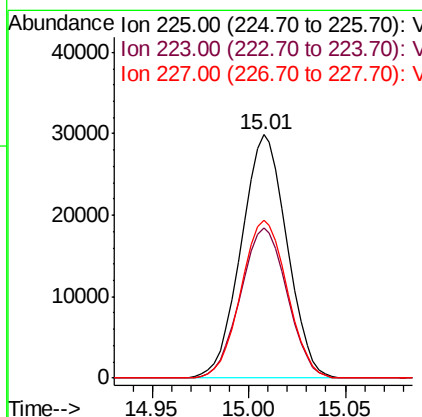
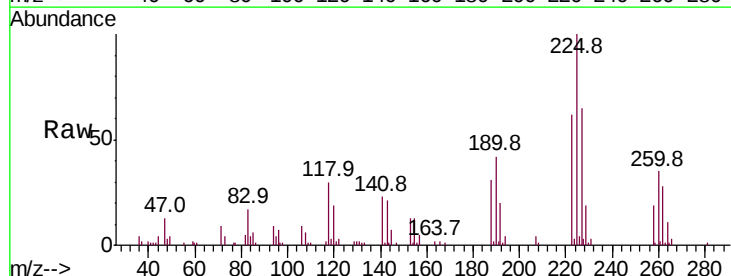
Manual Integrations
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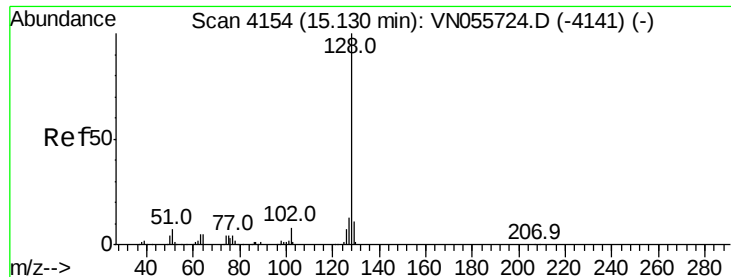
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#90
 Hexachlorobutadiene
 Concen: 18.850 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055728.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	126.0
227	65.4	0.0	133.0





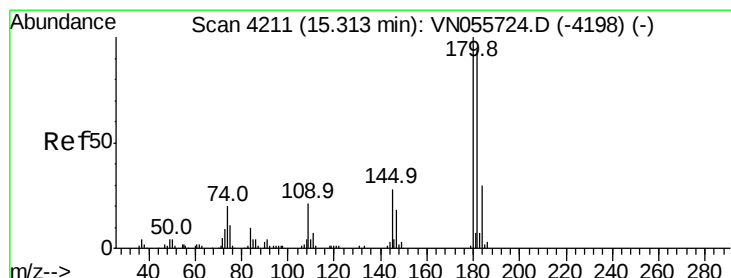
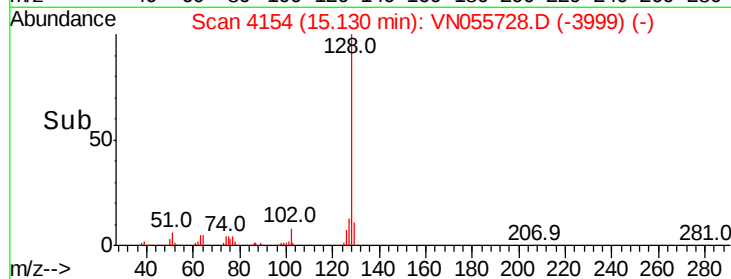
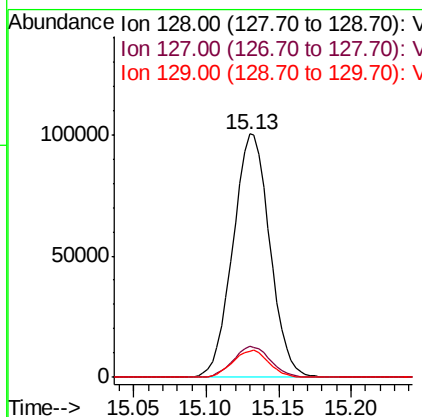
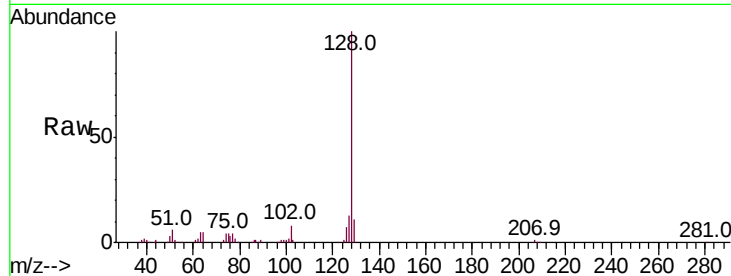
#91
Naphthalene
Concen: 18.543 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_N
ClientSampled :
ICVVN052219

Tot Ion	Ratio	Resp	Lower	Upper
128	100	177375		
127	12.9	10.0	15.0	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:31:31 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.240 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055728.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66740		
182	94.7	0.0	188.6	
145	30.7	0.0	56.8	

