

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056577.D
 Acq On : 3 Jul 2019 9:56
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:51 AM

Quant Time: Jul 03 10:49:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:45:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50268	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	279107	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	247439	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104763	30.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.97%
60) 4-Bromofluorobenzene	12.40	95	115714	32.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.87%
63) Toluene-d8	10.09	98	342785	29.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125470	50.301 ug/l	99
3) Chloromethane	2.06	50	178198	47.913 ug/l	99
4) Vinyl Chloride	2.18	62	170676	49.292 ug/l	100
5) Bromomethane	2.52	94	92954m	48.277 ug/l	
6) Chloroethane	2.68	64	94342	49.013 ug/l	98
7) Trichlorofluoromethane	3.00	101	220465	49.347 ug/l	97
8) Diethyl Ether	3.41	74	93658	50.139 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	140887	49.469 ug/l	94
10) 1,1-Dichloroethene	3.73	96	134982	49.463 ug/l	92
11) Methyl Iodide	3.95	142	195611	54.361 ug/l	99
12) Methyl Acetate	4.32	43	170500	42.275 ug/l	98
13) Acrolein	3.60	56	81509	209.517 ug/l	97
14) Acrylonitrile	4.99	53	408016	258.553 ug/l	99
15) Acetone	3.82	58	112652	241.864 ug/l	93
16) Carbon Disulfide	4.05	76	324616	53.306 ug/l	100
17) Allyl chloride	4.32	41	239985	51.854 ug/l	98
18) Methylene Chloride	4.55	84	159818	48.001 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	145514	48.334 ug/l	90
20) Diisopropyl ether	5.95	45	499075	50.270 ug/l	96
21) 1,1-Dichloroethane	5.85	63	276933	49.139 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	173330	49.284 ug/l	94
23) tert-Butyl Alcohol	4.80	59	147449	236.061 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	450964	49.966 ug/l	99
25) Chloroform	7.37	83	269915	47.984 ug/l	99
26) Cyclohexane	7.65	56	257598	50.513 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	204488	49.989 ug/l	98
30) 2-Butanone	6.84	43	569873	246.380 ug/l	98
31) 2,2-Dichloropropane	6.82	77	194501	49.553 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	219786	50.411 ug/l	99
33) Carbon Tetrachloride	7.77	117	185770	51.274 ug/l	98
34) Benzene	8.04	78	639421	48.489 ug/l	94
35) Methacrylonitrile	7.17	41	92231	44.504 ug/l	98
36) 1,2-Dichloroethane	8.12	62	203803	46.779 ug/l	97
37) Trichloroethene	8.83	130	166345	49.158 ug/l	93
38) Methylcyclohexane	9.08	83	258987	51.064 ug/l	98
39) 1,2-Dichloropropane	9.12	63	170449	48.142 ug/l	94
40) Dibromomethane	9.21	93	106192	49.092 ug/l	94

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

41) Bromodichloromethane	9.40	83	196325	51.066	ug/l	99
42) Vinyl Acetate	5.90	43	2062836	262.472	ug/l	98
43) Ethyl Acetate	6.93	43	220574	49.485	ug/l	98
44) Isopropyl Acetate	8.17	43	341871	50.413	ug/l #	87
45) 1,4-Dioxane	9.20	88	66024	953.633	ug/l	90
46) Methyl methacrylate	9.20	41	167112	49.706	ug/l	97
47) n-amyl Acetate	12.07	43	294227	56.207	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	215555	56.035	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	249340	54.456	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	157203	49.206	ug/l	97
51) Ethyl methacrylate	10.43	69	250117	52.162	ug/l	97
52) 1,3-Dichloropropane	10.71	76	267221	49.217	ug/l	99
53) Dibromochloromethane	10.90	129	155650	54.143	ug/l	99
54) 1,2-Dibromoethane	11.00	107	166239	51.489	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	645028	267.037	ug/l	98
56) Bromoform	12.13	173	112371	55.980	ug/l #	99
58) 4-Methyl-2-Pentanone	9.98	43	1105485	241.523	ug/l	97
59) 2-Hexanone	10.75	43	822135	245.907	ug/l	99
61) Tetrachloroethene	10.63	164	150927	45.982	ug/l	98
62) Toluene	10.16	91	675201	46.958	ug/l	99
64) Chlorobenzene	11.43	112	408477	48.054	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	150218	50.767	ug/l	98
66) Ethyl Benzene	11.51	91	739233	48.916	ug/l	98
67) m/p-Xylenes	11.62	106	554210	101.297	ug/l	95
68) o-Xylene	11.95	106	269111	48.312	ug/l	95
69) Styrene	11.96	104	457895	52.119	ug/l	98
70) Isopropylbenzene	12.25	105	713095	49.976	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	232507	48.093	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189758m	45.080	ug/l	
73) Bromobenzene	12.53	156	184392	50.773	ug/l	91
74) n-propylbenzene	12.59	91	813900	51.880	ug/l	98
75) 2-Chlorotoluene	12.67	91	481657	49.703	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	599189	49.744	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	63980	62.168	ug/l	99
78) 4-Chlorotoluene	12.77	91	473474	52.773	ug/l	98
79) tert-butylbenzene	12.99	119	508519	48.550	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	599163	51.583	ug/l	99
81) sec-Butylbenzene	13.17	105	682473	50.560	ug/l	99
82) p-Isopropyltoluene	13.29	119	623057	53.117	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	310025	54.693	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	299225	56.061	ug/l	98
85) n-Butylbenzene	13.61	91	530620	57.395	ug/l	97
86) Hexachloroethane	13.87	117	91964	55.385	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	308764	51.716	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	40551	52.493	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	173885	66.570	ug/l	98
90) Hexachlorobutadiene	15.01	225	105206	49.943	ug/l	99
91) Naphthalene	15.13	128	496981	68.510	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	182999	62.012	ug/l	99

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VSTDICC050

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QLast Update : Wed Jul 03 10:45:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

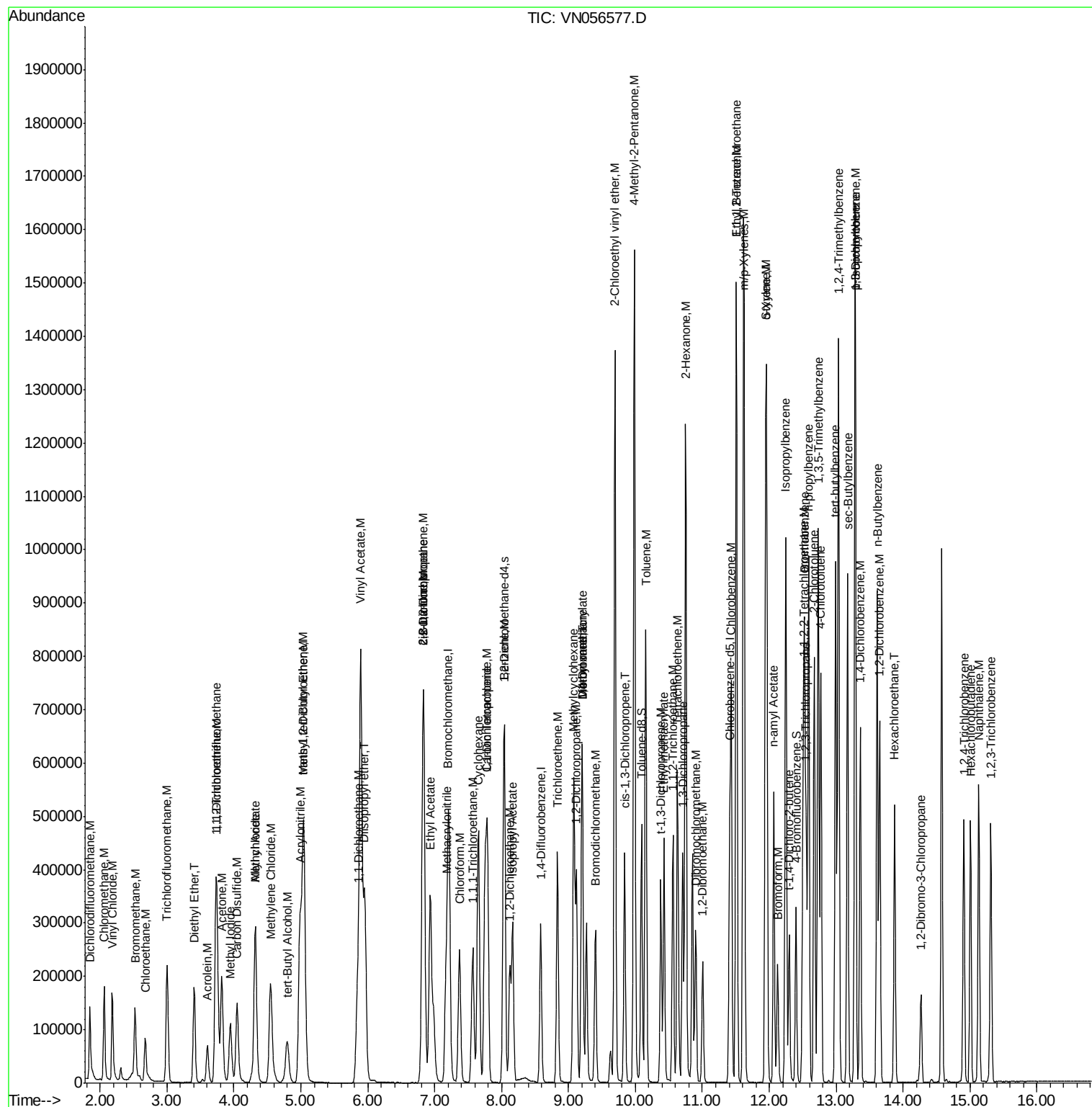
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056577.D
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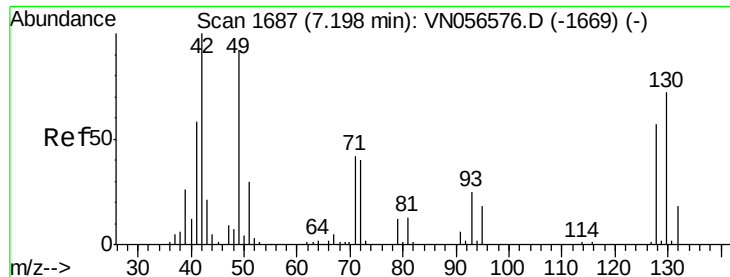
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

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: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 50268

Ion Ratio Lower Upper

128 100

49 165.4 0.0 355.8

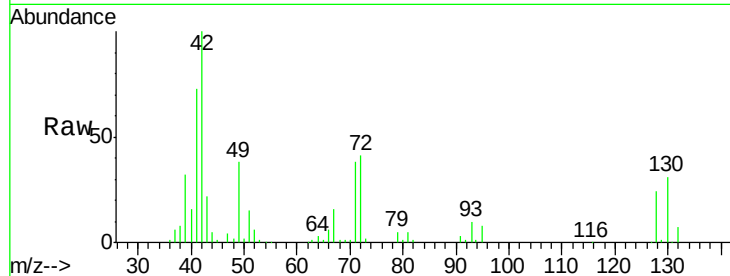
130 129.4 0.0 326.3

Manual Integrations

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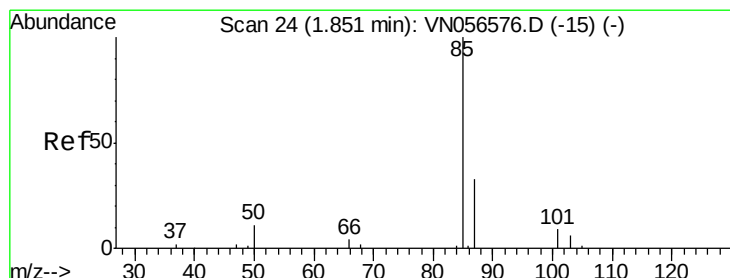
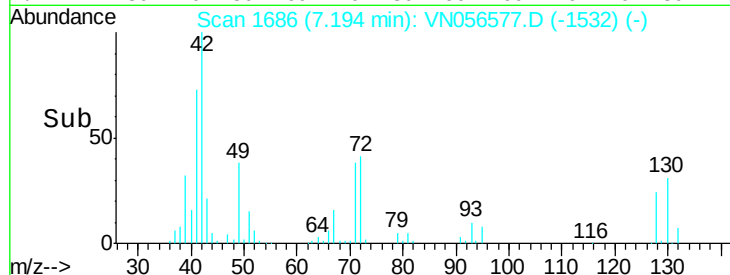
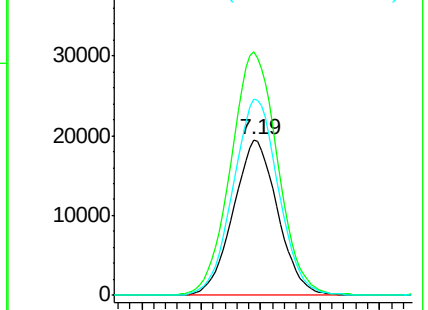
7/8/2019 10:04:51 AM



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: 50.301 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056577.D

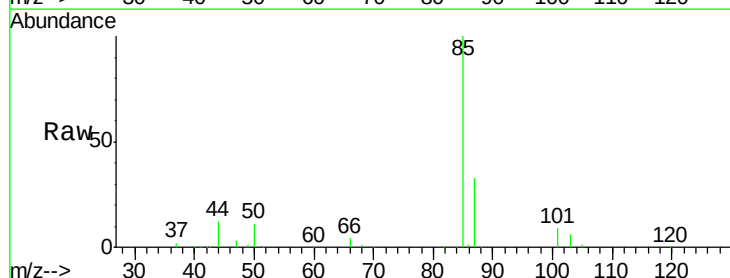
Acq: 3 Jul 2019 9:56

Tgt Ion: 85 Resp: 125470

Ion Ratio Lower Upper

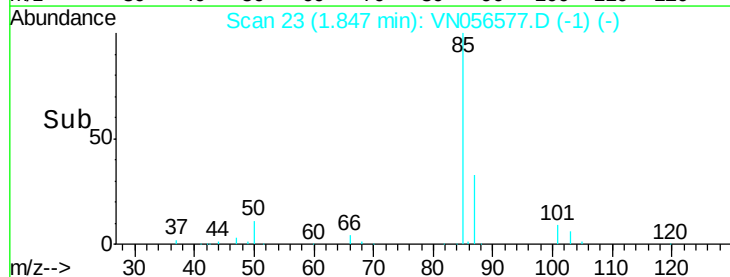
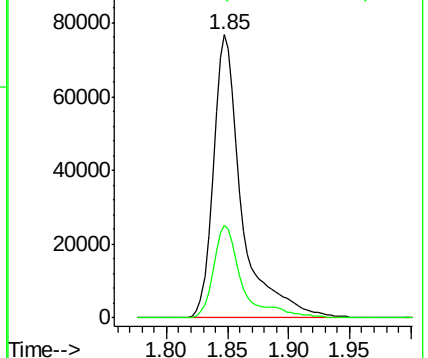
85 100

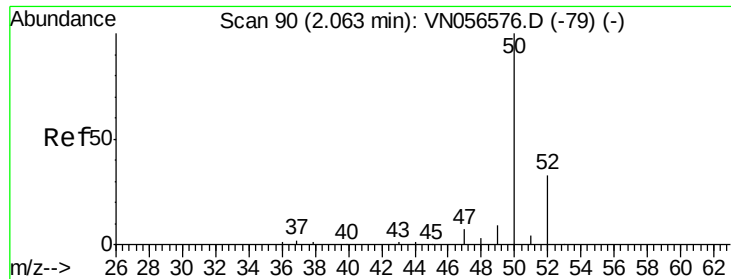
87 32.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 47.913 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 178198

Ion Ratio Lower Upper

50 100

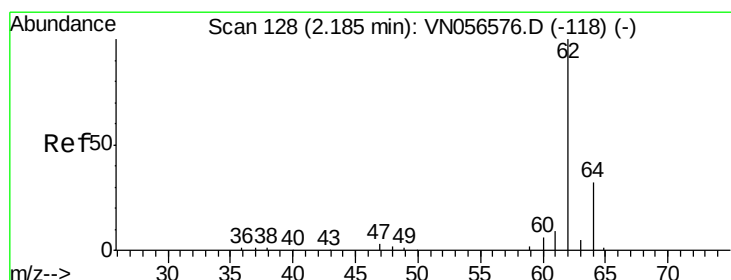
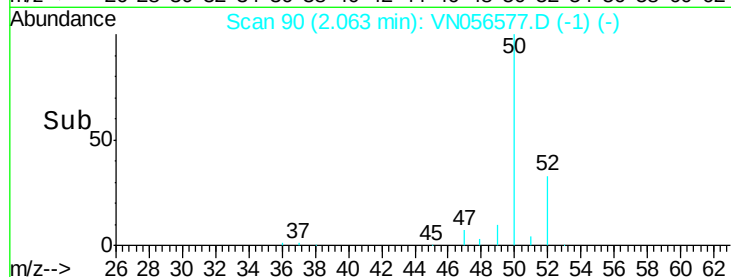
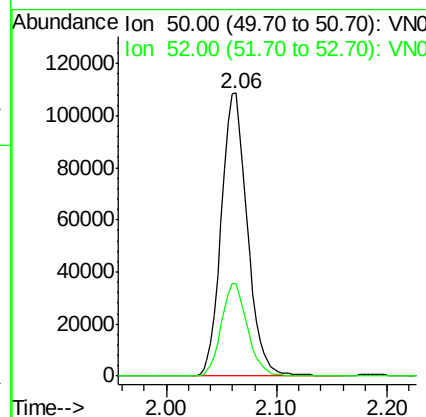
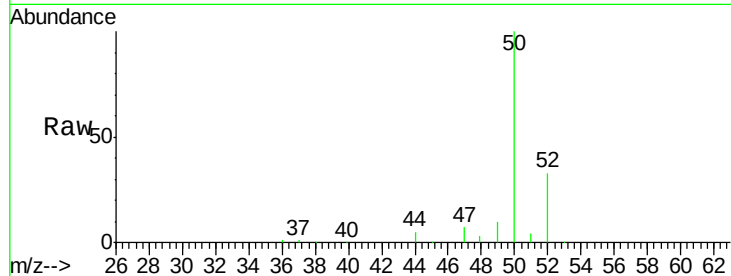
52 32.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.292 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056577.D

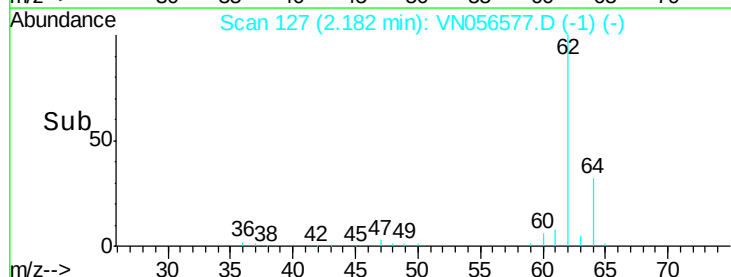
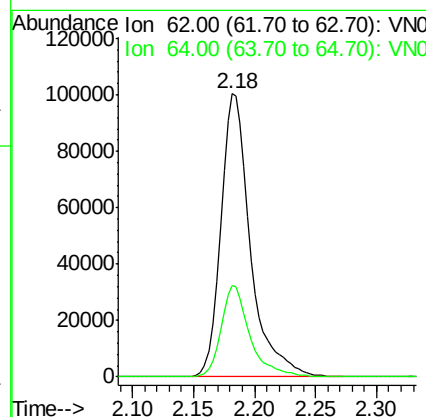
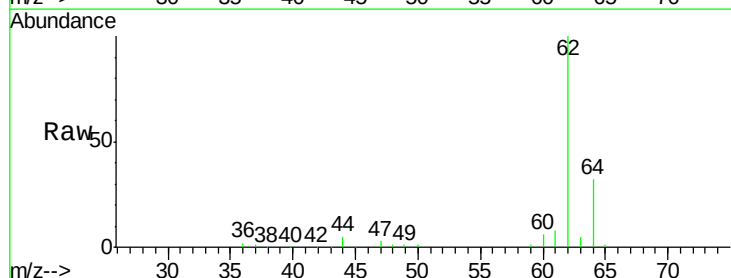
Acq: 3 Jul 2019 9:56

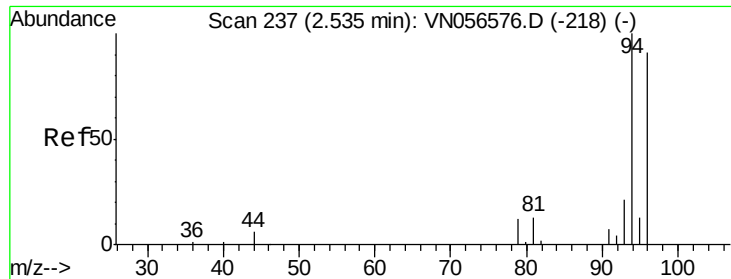
Tgt Ion: 62 Resp: 170676

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8





#5

Bromomethane

Concen: 48.277 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Tot Ion: 94 Resp: 92954

Ion Ratio Lower Upper

94 100

96 92.6 74.1 111.1

Instrument :

MSVOA_N

ClientSampled :

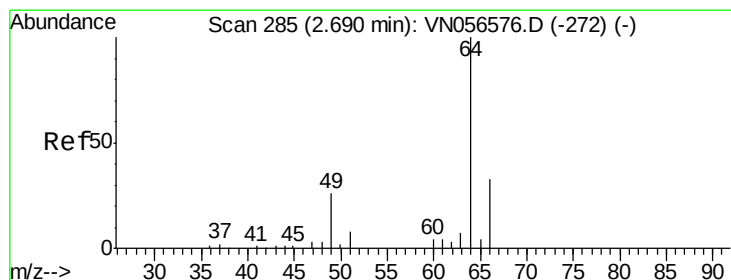
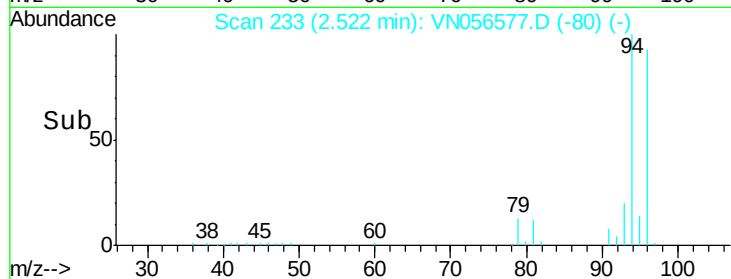
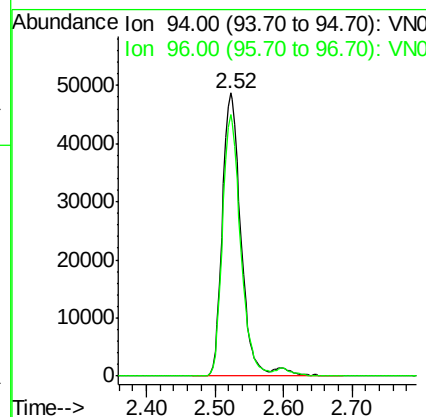
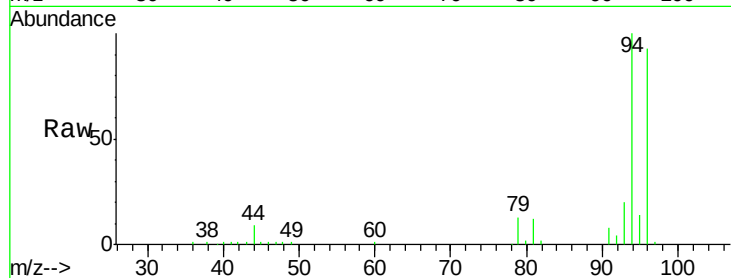
VSTDIC050

Manual Integrations

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#6

Chloroethane

Concen: 49.013 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056577.D

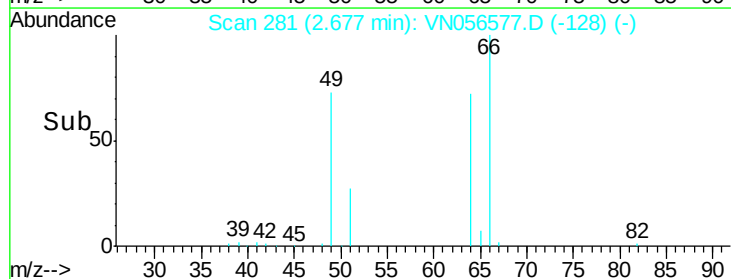
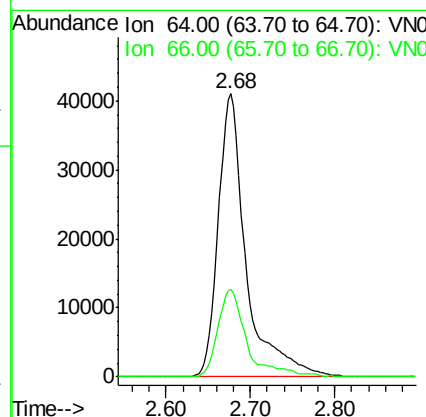
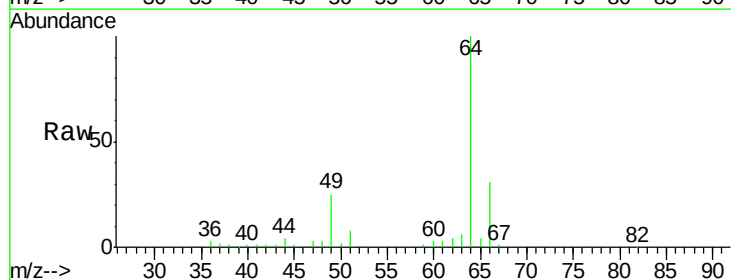
Acq: 3 Jul 2019 9:56

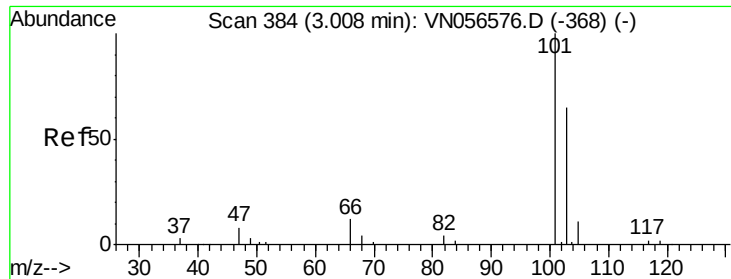
Tgt Ion: 64 Resp: 94342

Ion Ratio Lower Upper

64 100

66 30.8 23.7 35.5





#7

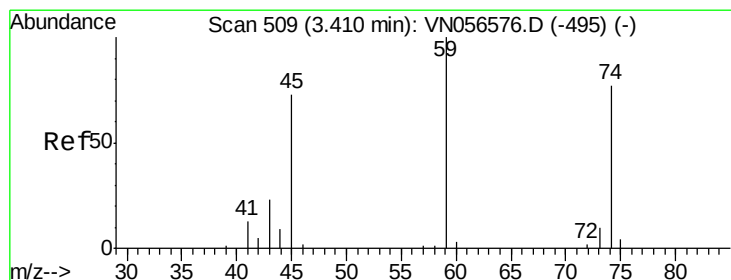
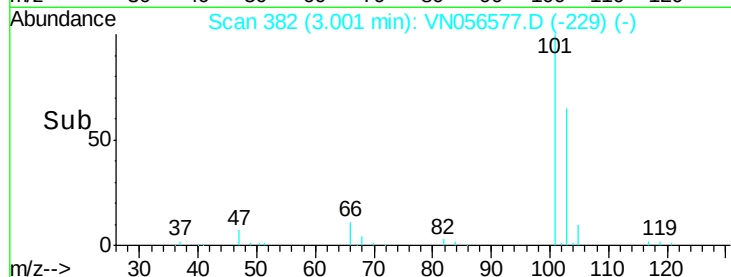
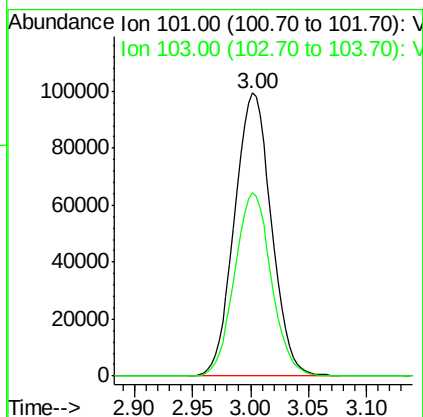
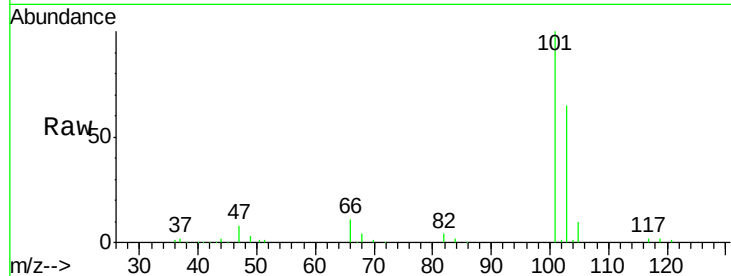
Trichlorofluoromethane
Concen: 49.347 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0

Manual Integrations
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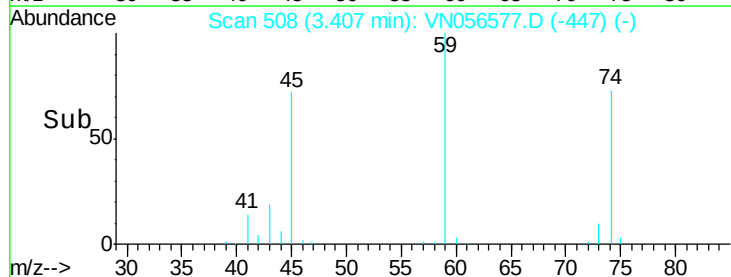
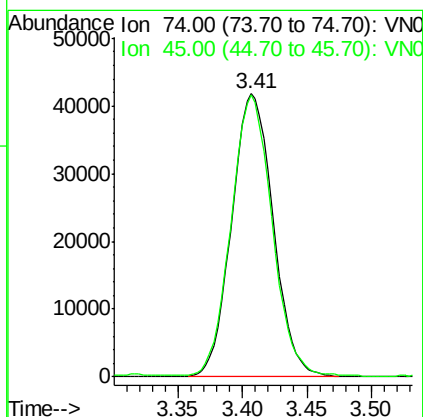
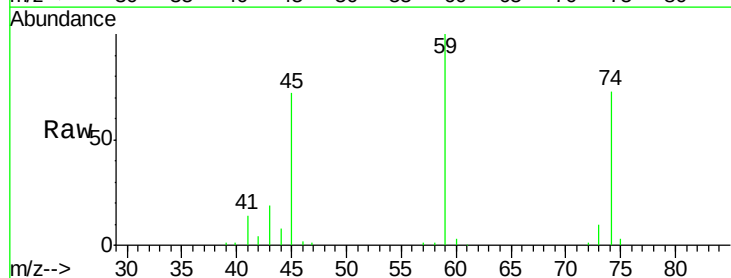
MMDadoda
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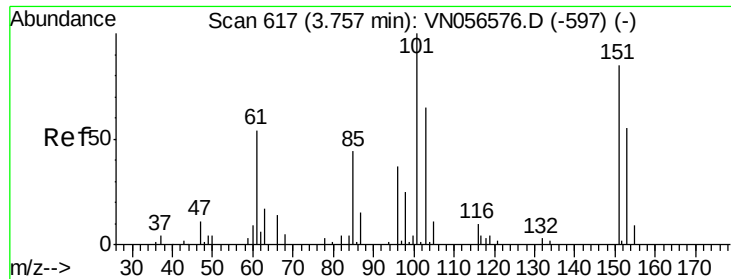


#8

Diethyl Ether
Concen: 50.139 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	18.8	169.6





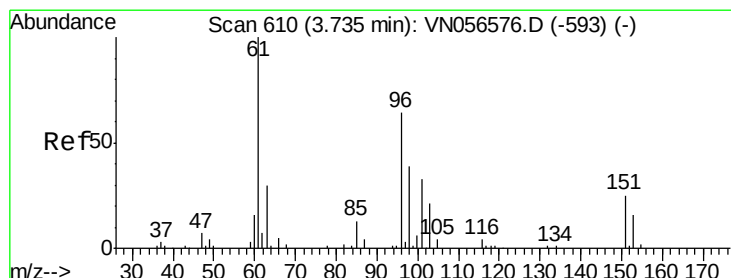
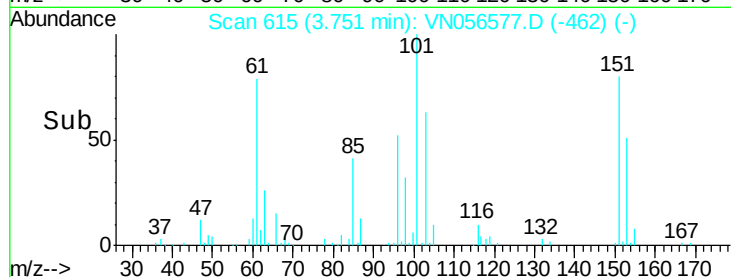
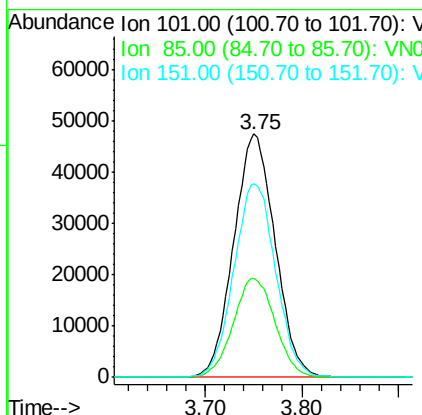
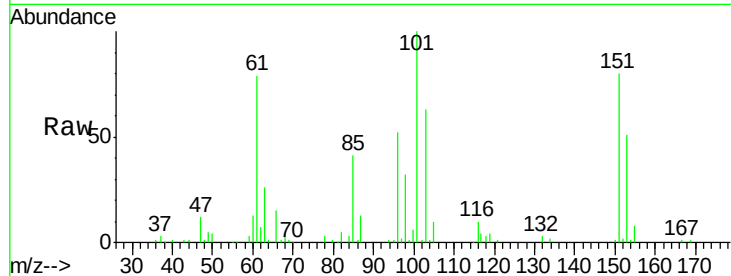
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.469 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	140887		
85	41.1	0.0	82.0	
151	80.6	0.0	177.0	

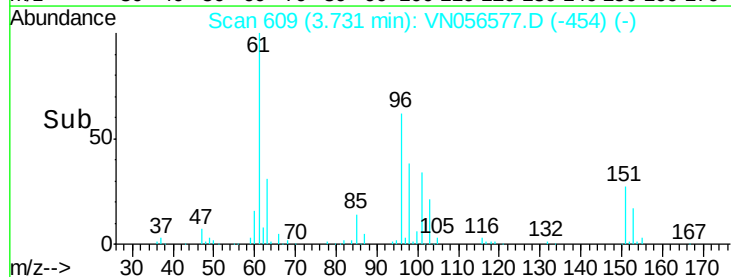
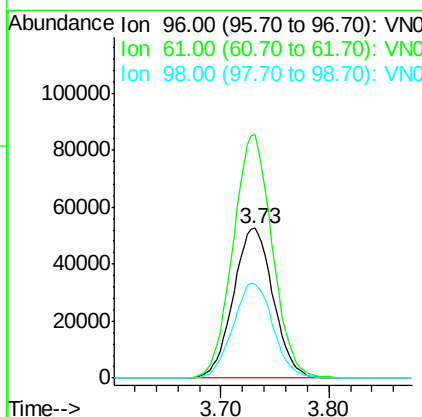
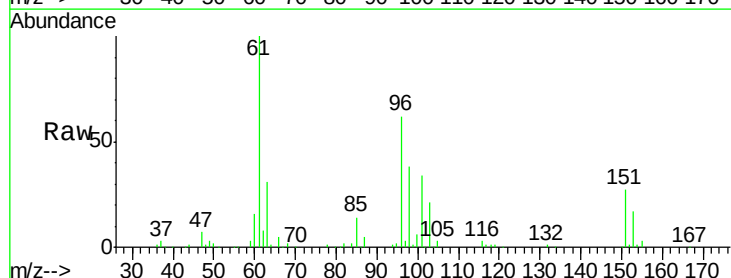
Manual Integrations
 APPROVED

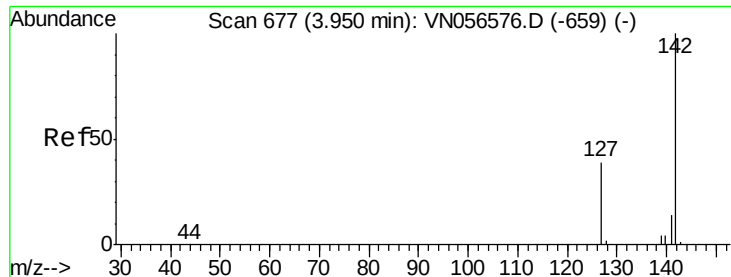
MMDadoda
 7/8/2019 10:04:51 AM



#10
 1,1-Dichloroethene
 Concen: 49.463 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	134982		
61	162.5	119.7	179.5	
98	62.6	52.3	78.5	





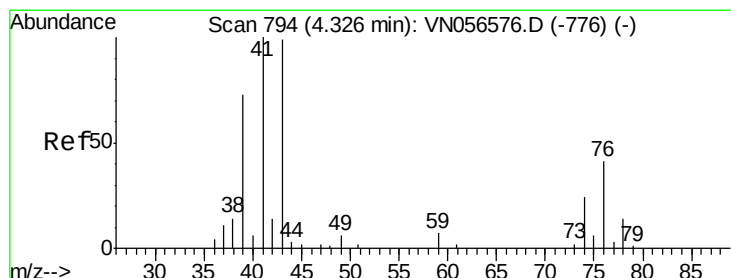
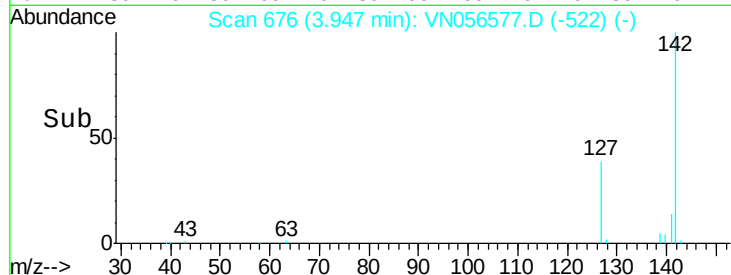
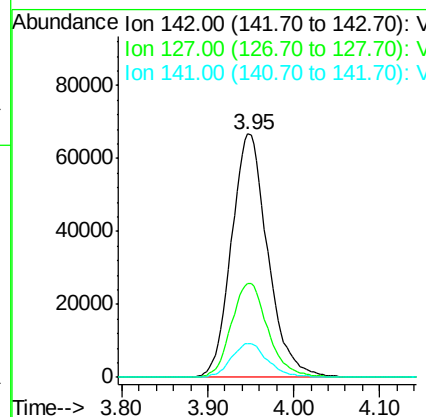
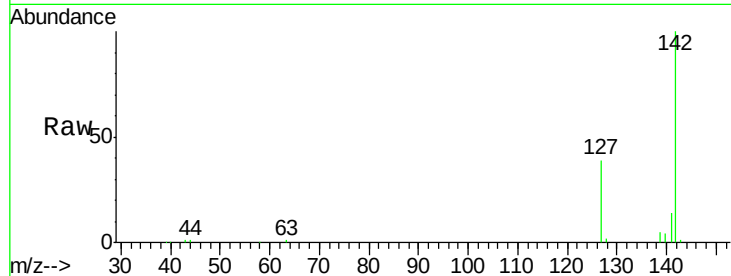
#11
Methvl Iodide
Concen: 54.361 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.0	57.0
141	14.0	6.7	20.0

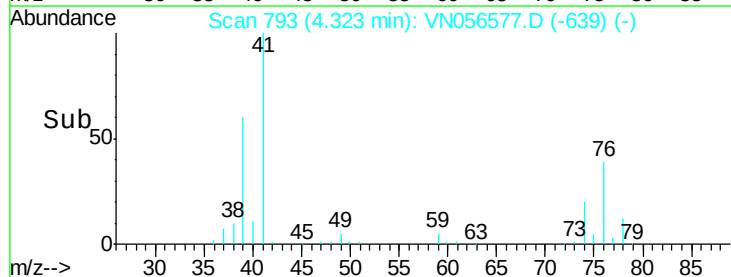
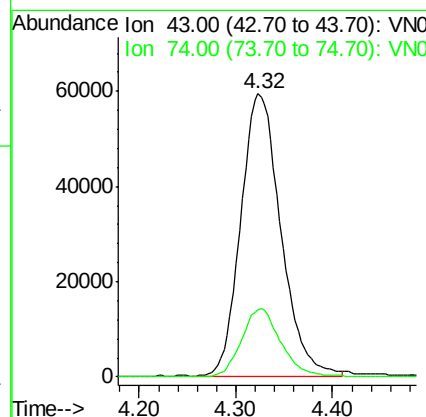
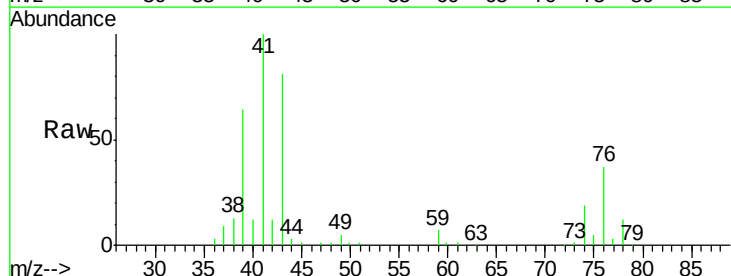
Manual Integrations
APPROVED

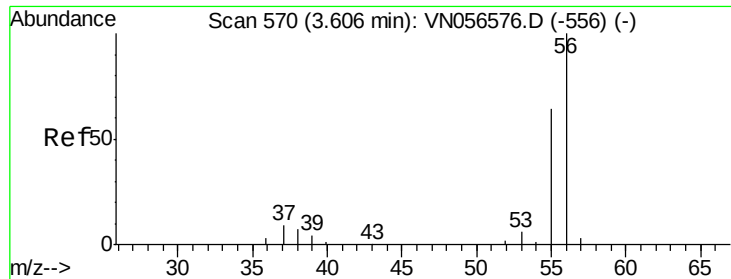
MMDadoda
7/8/2019 10:04:51 AM



#12
Methyl Acetate
Concen: 42.275 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.9	29.9





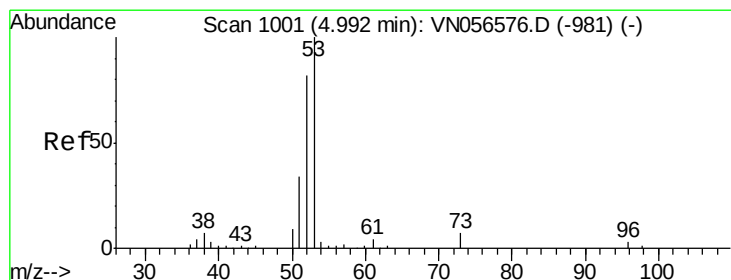
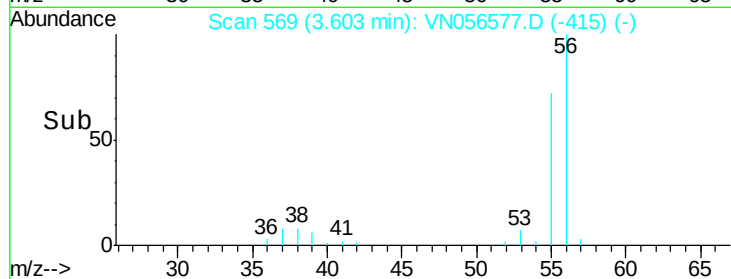
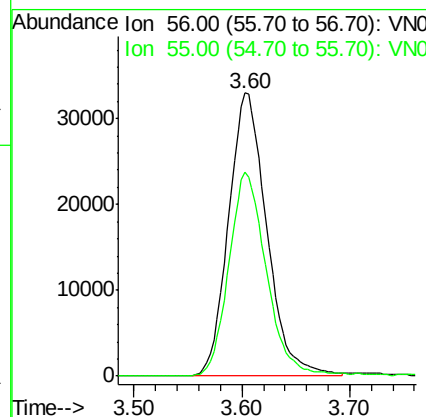
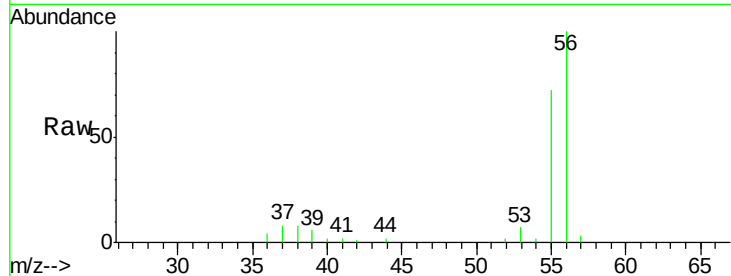
#13
Acrolein
Concen: 209.517 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.0	57.9	86.9	

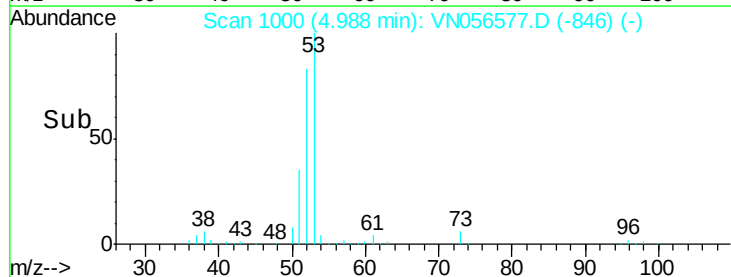
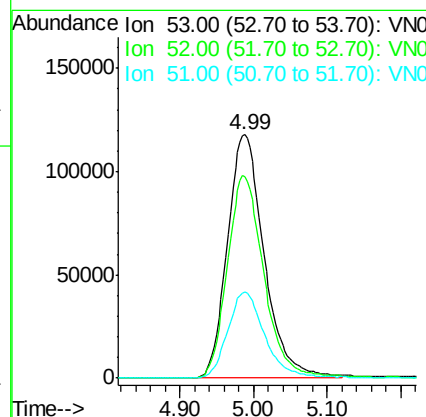
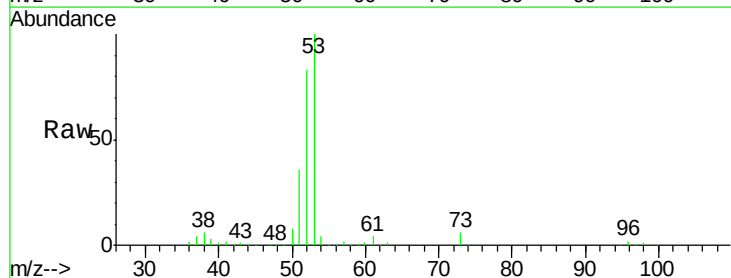
Manual Integrations
APPROVED

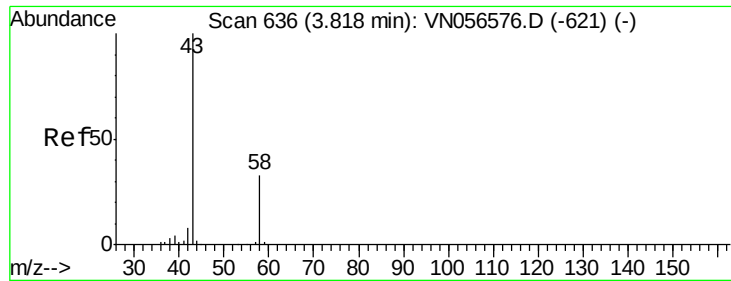
MMDadoda
7/8/2019 10:04:51 AM



#14
Acrylonitrile
Concen: 258.553 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.2	40.8	122.2	
51	35.7	17.3	52.0	





#15

Acetone

Concen: 241.864 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 112652

Ion Ratio Lower Upper

58 100

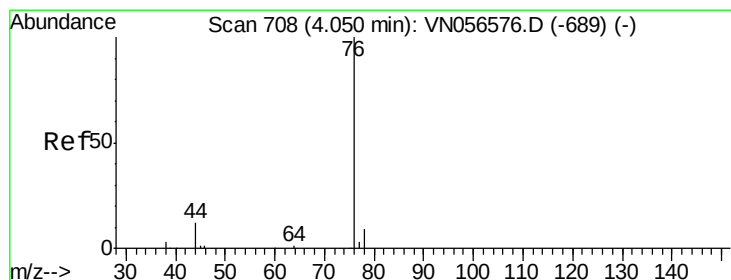
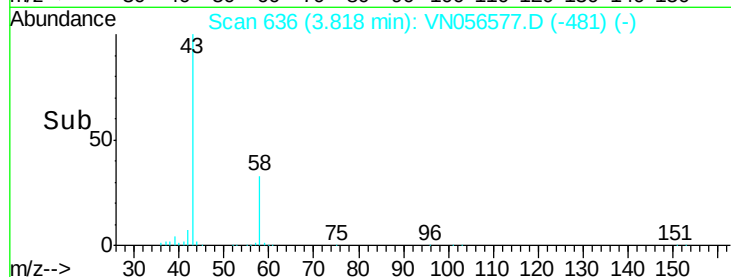
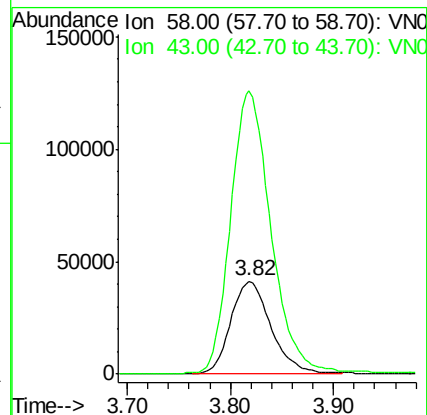
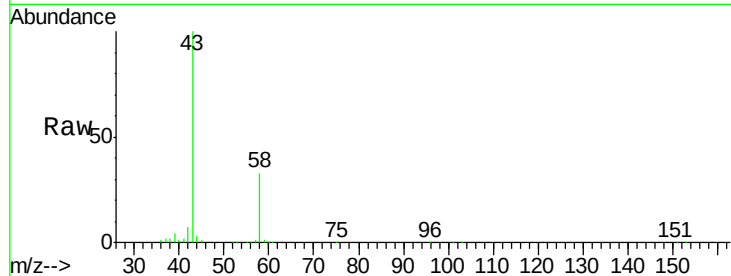
43 303.4 232.5 348.7

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:04:51 AM



#16

Carbon Disulfide

Concen: 53.306 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056577.D

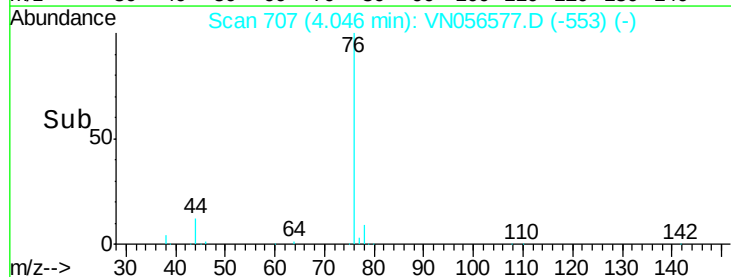
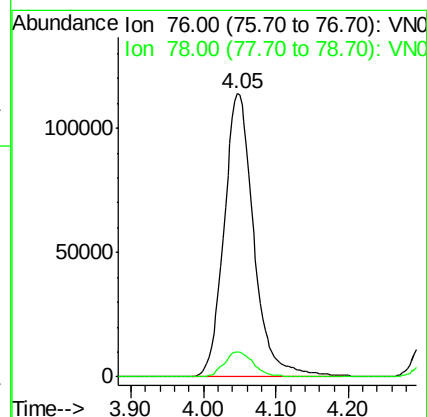
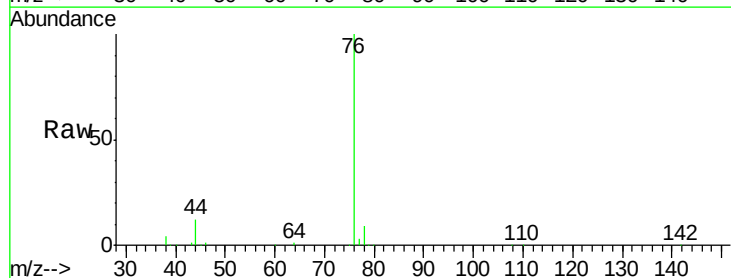
Acq: 3 Jul 2019 9:56

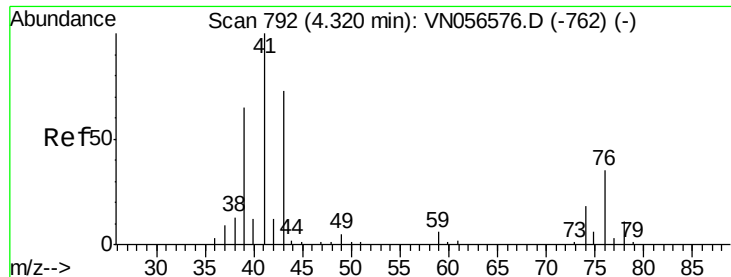
Tgt Ion: 76 Resp: 324616

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





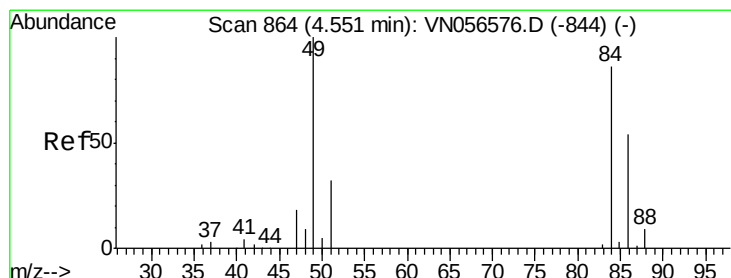
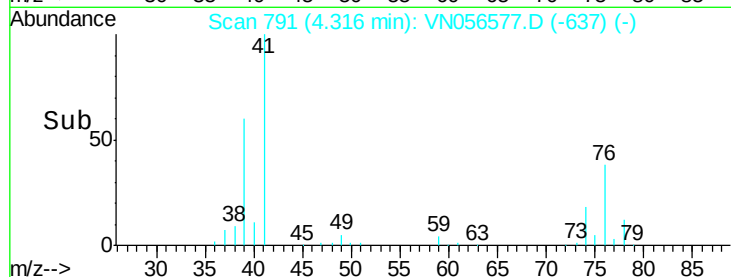
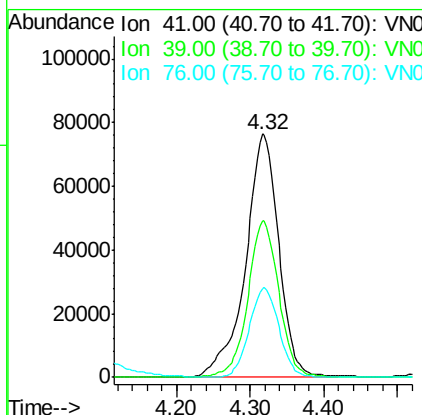
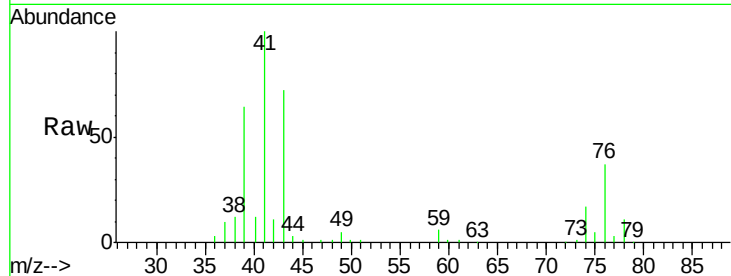
#17
Allvl chloride
Concen: 51.854 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	239985		
39	64.1		33.0	99.0
76	36.6		18.9	56.9

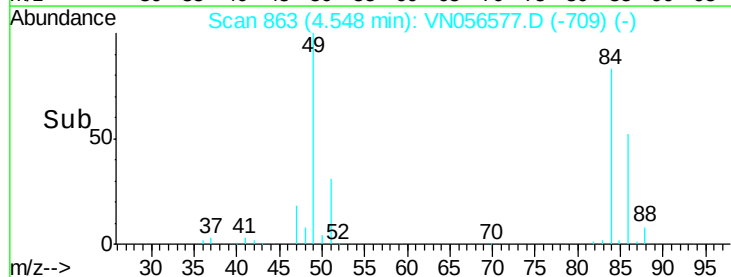
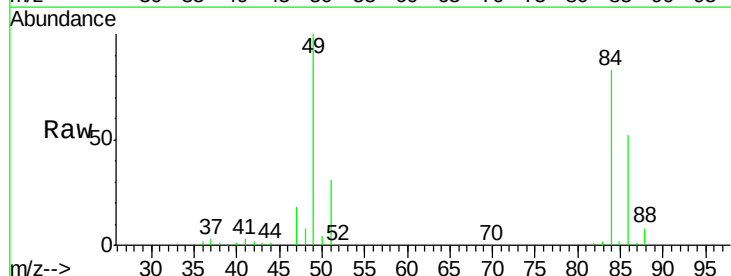
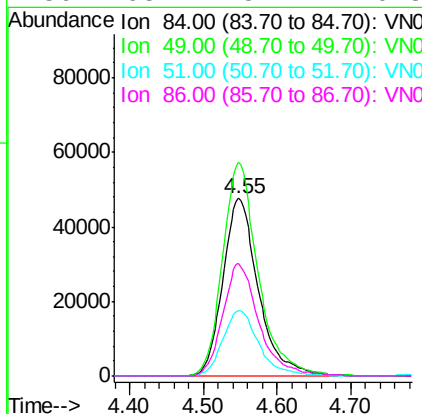
Manual Integrations
APPROVED

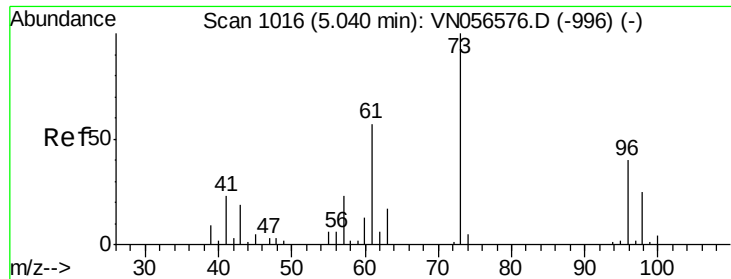
MMDadoda
7/8/2019 10:04:51 AM



#18
Methylene Chloride
Concen: 48.001 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	159818		
49	119.8		87.6	131.4
51	36.7		27.0	40.4
86	63.1		51.2	76.8





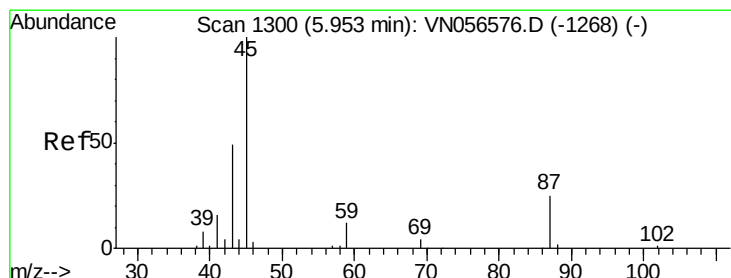
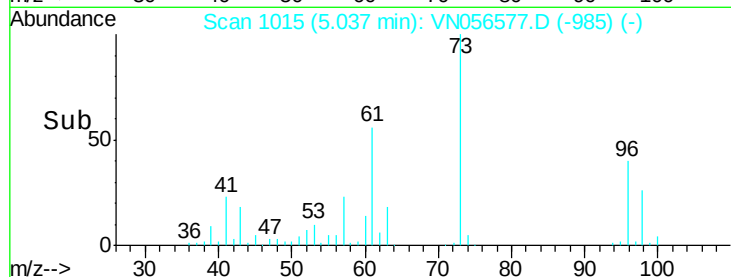
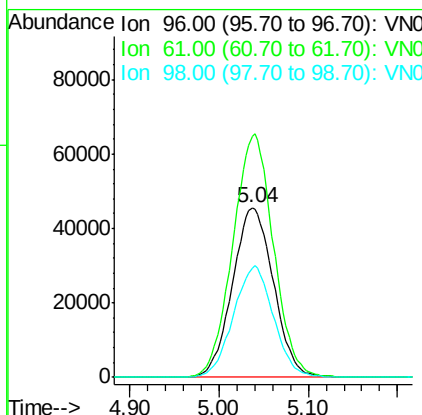
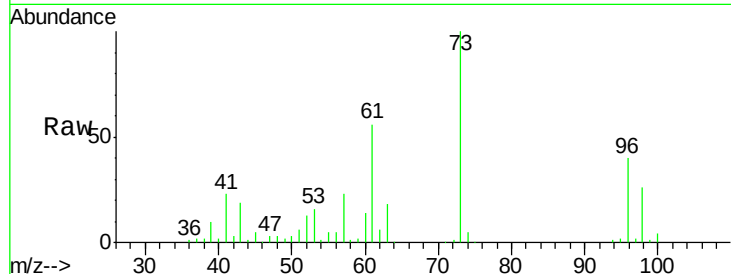
#19
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	102.5	153.7
98	64.6	46.9	70.3

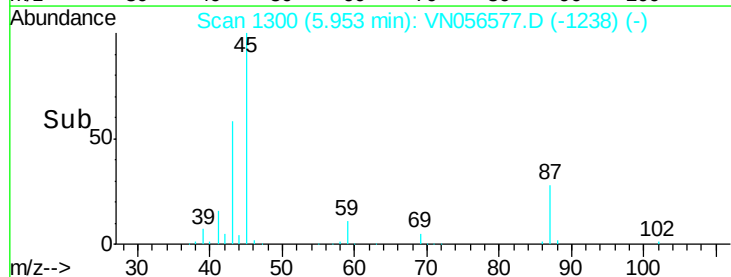
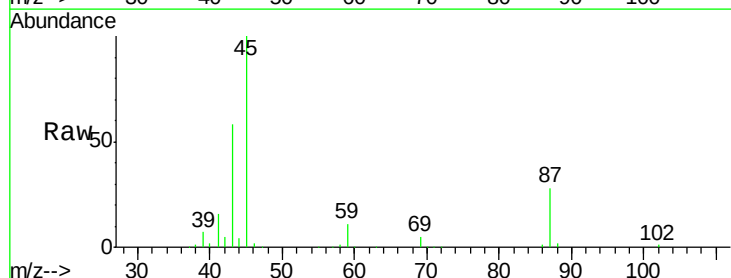
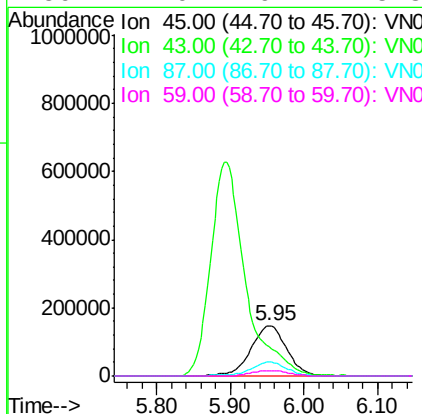
Manual Integrations
APPROVED

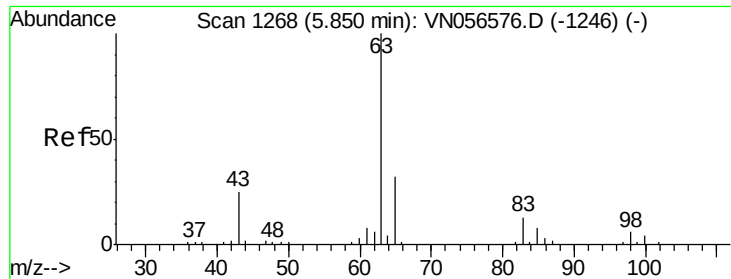
MMDadoda
7/8/2019 10:04:51 AM



#20
Diisopropyl ether
Concen: 50.270 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.0	72.0
87	27.5	23.4	35.2
59	11.0	9.2	13.8





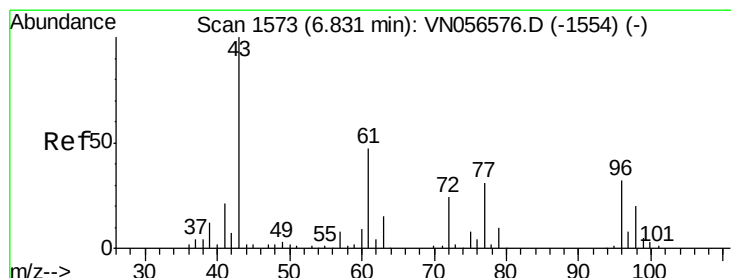
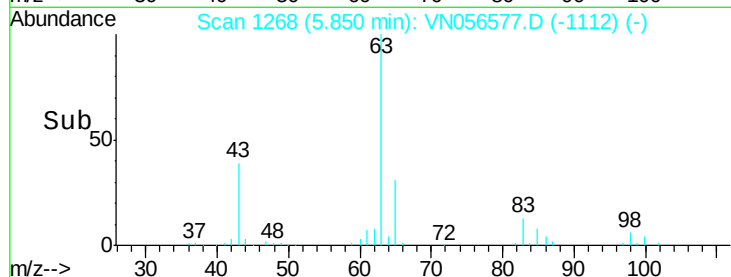
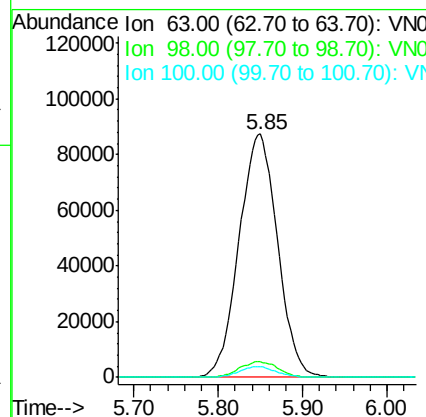
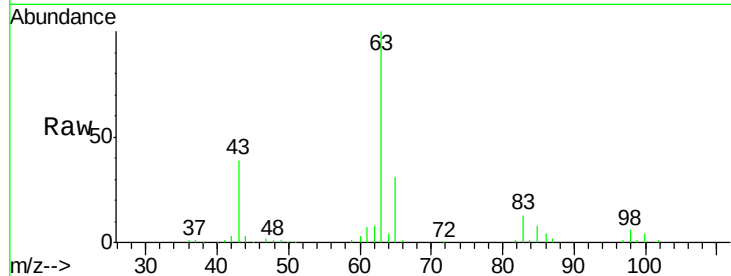
#21
 1,1-Dichloroethane
 Concen: 49.139 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	276933		
98	6.3		3.5	10.5
100	4.4		2.3	6.9

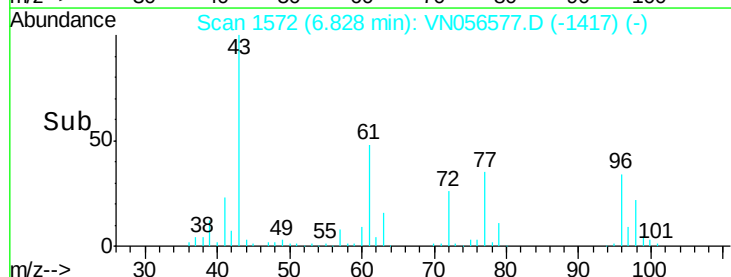
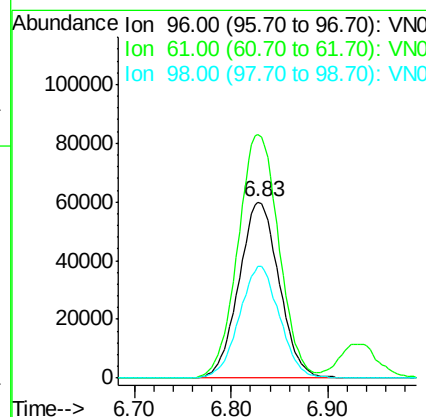
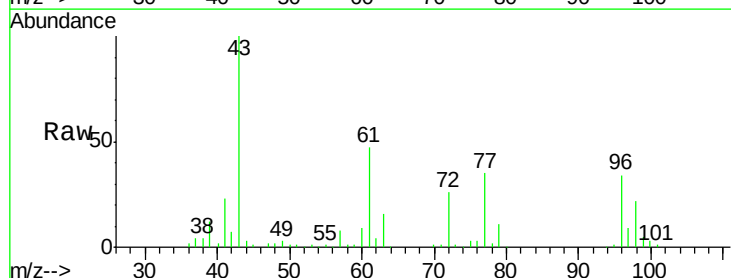
Manual Integrations
 APPROVED

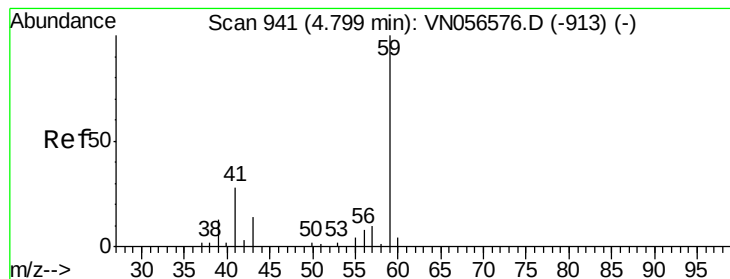
MMDadoda
 7/8/2019 10:04:51 AM



#22
 cis-1,2-Dichloroethene
 Concen: 49.284 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	173330		
61	141.0		105.7	158.5
98	63.5		52.0	78.0





#23

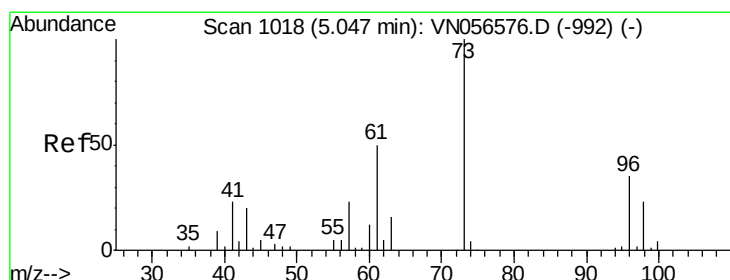
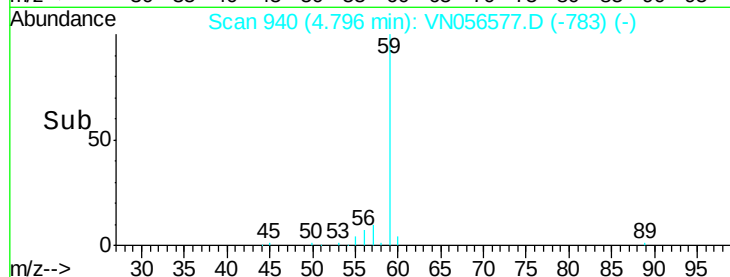
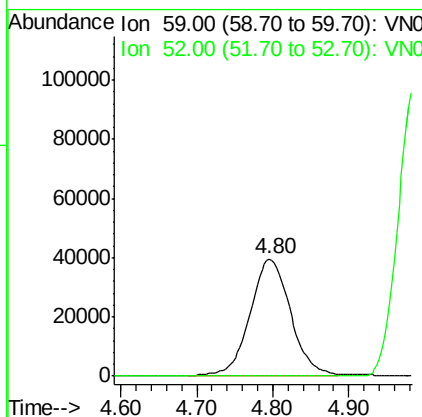
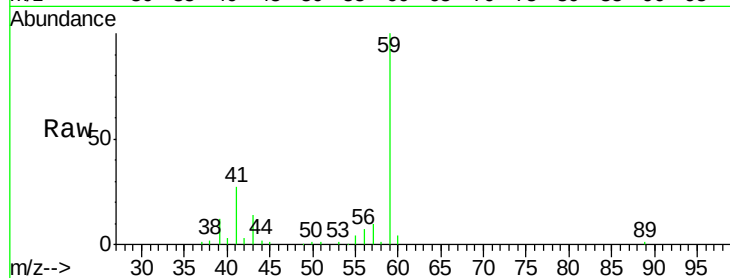
tert-Butyl Alcohol
 Concen: 236.061 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	59	52	Ratio	100	0.0	Resp	147449	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	147449	Lower	Upper

Manual Integrations
 APPROVED

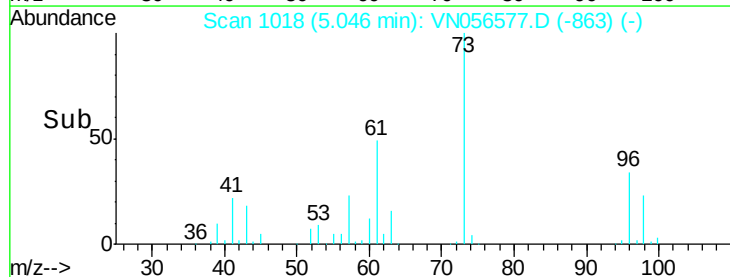
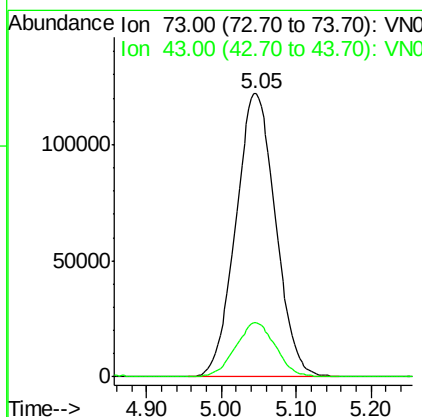
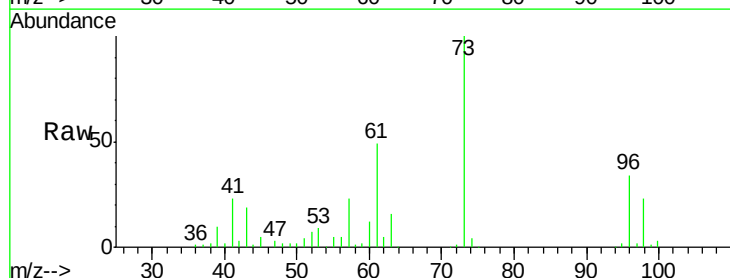
MMDadoda
 7/8/2019 10:04:51 AM

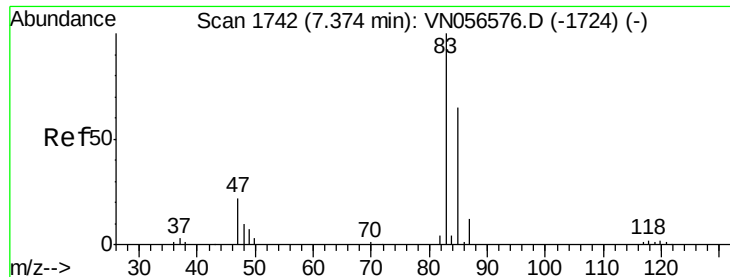


#24

Methyl tert-Butyl Ether
 Concen: 49.966 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	73	43	Ratio	100	18.7	Resp	450964	Lower	Upper
Ion	73	43	Ratio	100	18.7	Resp	450964	Lower	Upper





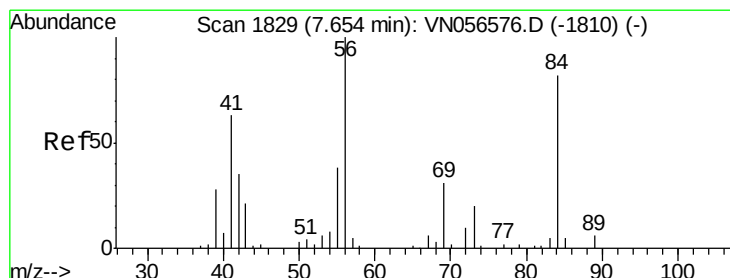
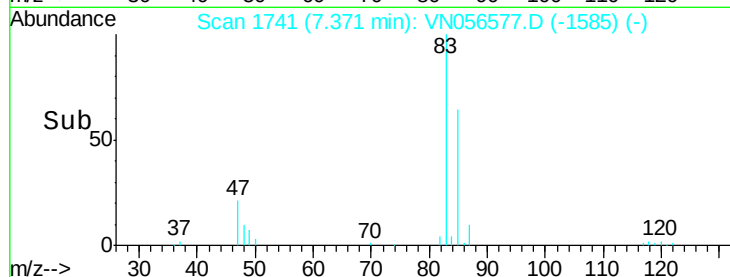
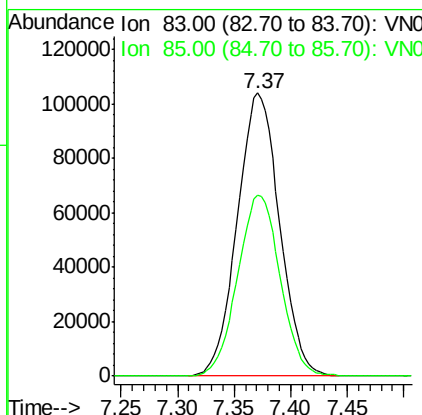
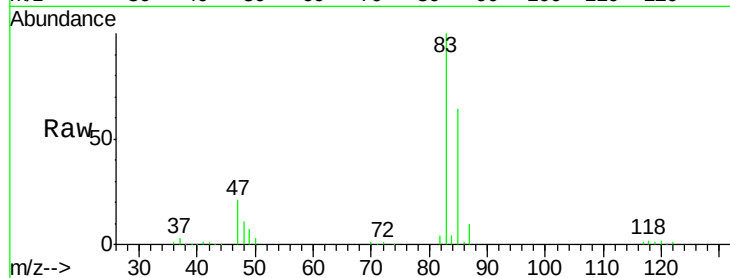
#25
Chloroform
Concen: 47.984 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	269915
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.0	78.0

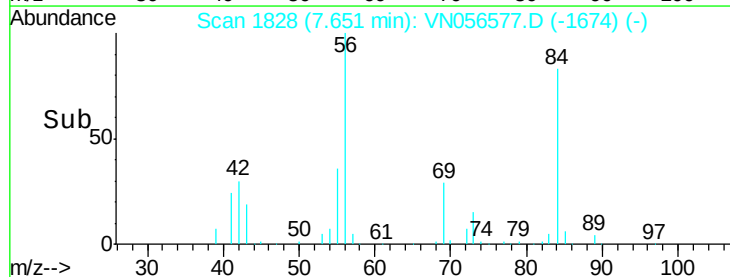
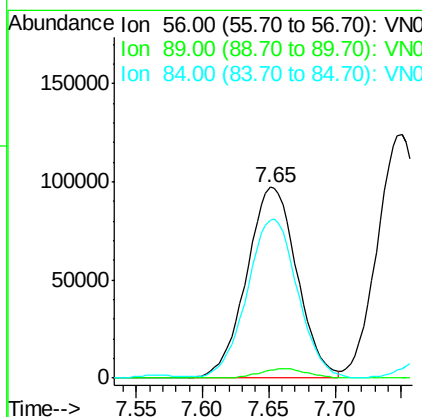
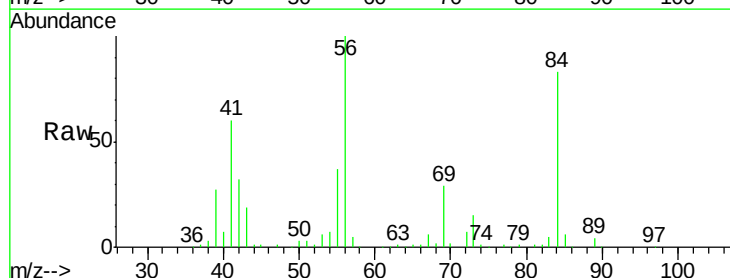
Manual Integrations
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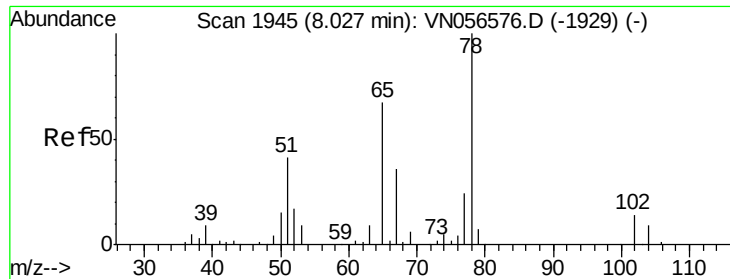
MMDadoda
7/8/2019 10:04:51 AM



#26
Cyclohexane
Concen: 50.513 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	56	Resp	257598
Ion Ratio	100	Lower	Upper
56	100		
89	4.7	0.0	0.0#
84	83.0	70.1	105.1





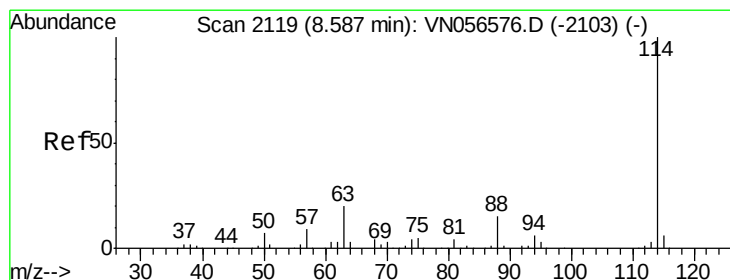
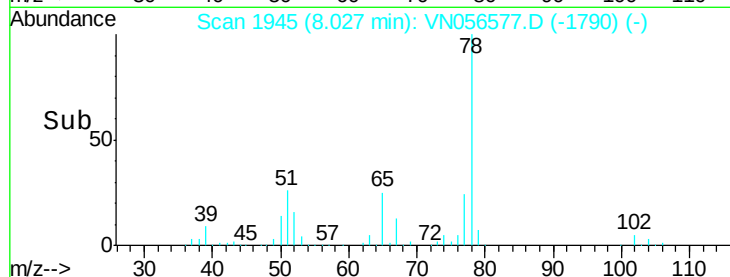
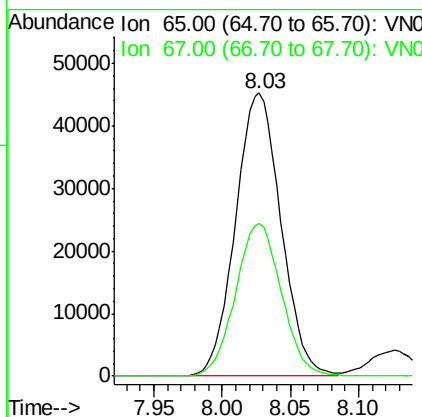
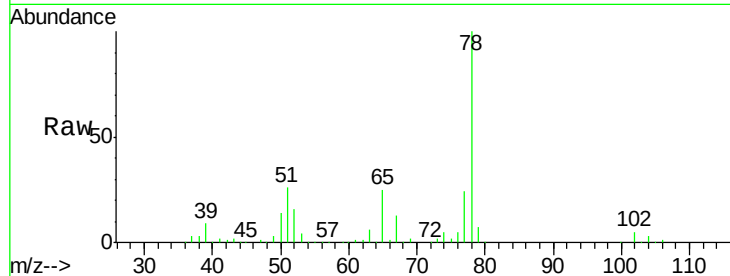
#27
 1,2-Dichloroethane-d4
 Concen: 30.285 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	43.4	65.2

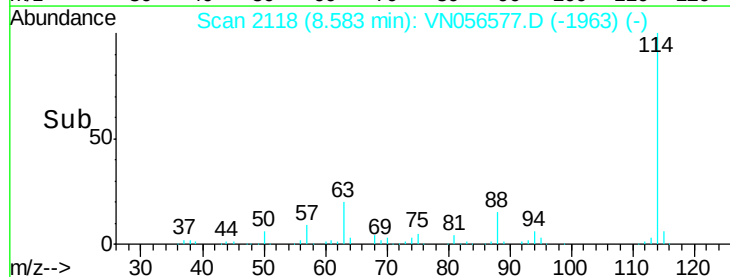
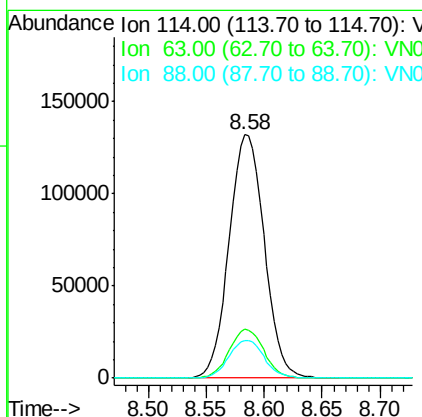
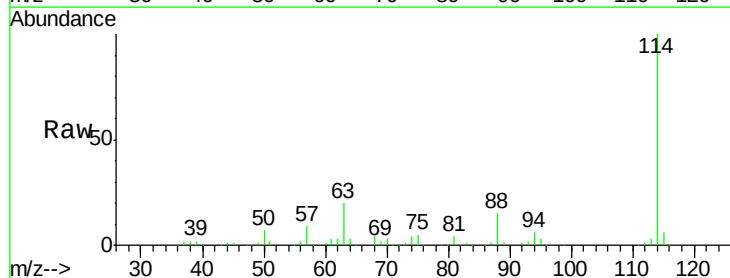
Manual Integrations
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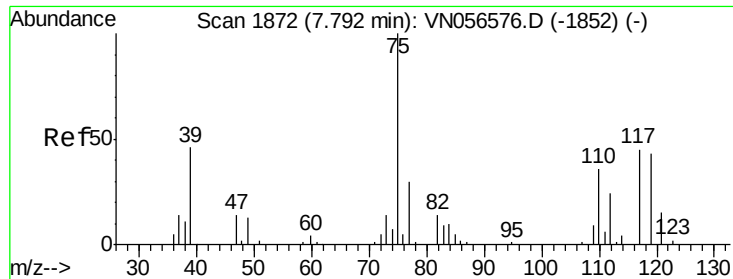
MMDadoda
 7/8/2019 10:04:51 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	14.7	22.1
88	15.6	11.9	17.9





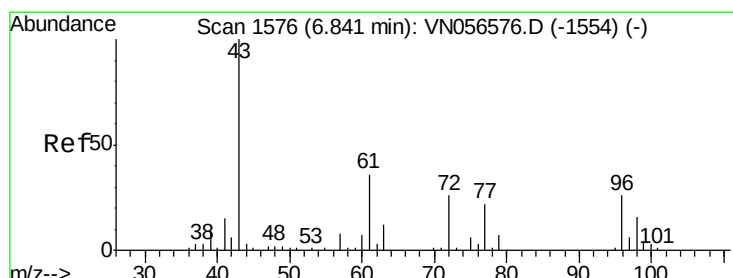
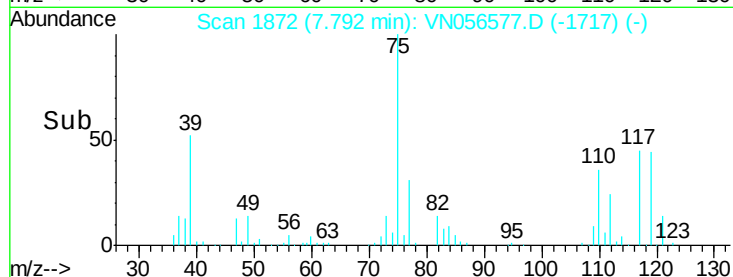
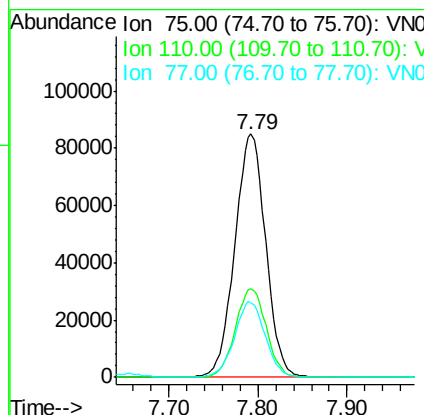
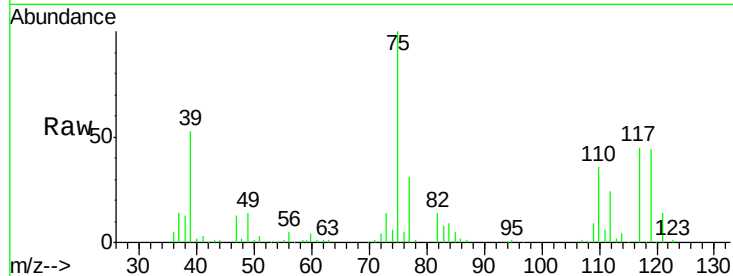
#29
 1,1-Dichloropropene
 Concen: 49.989 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	204488		
110	36.2	0.0	77.0	
77	31.0	0.0	62.4	

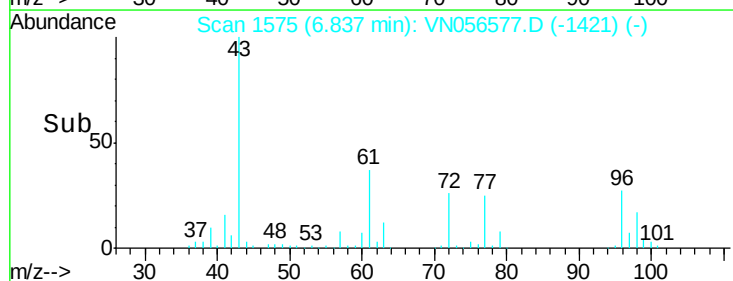
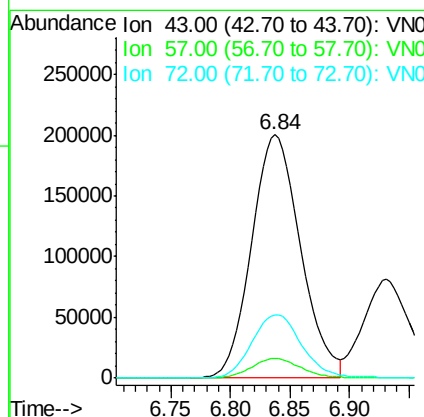
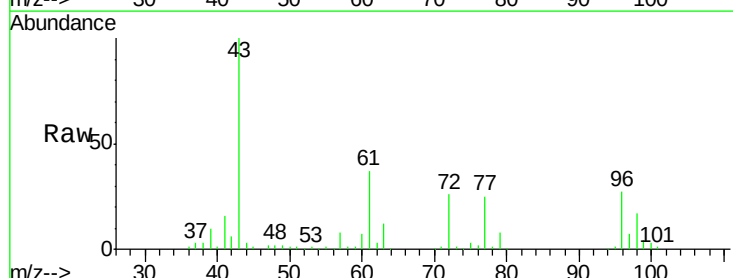
Manual Integrations
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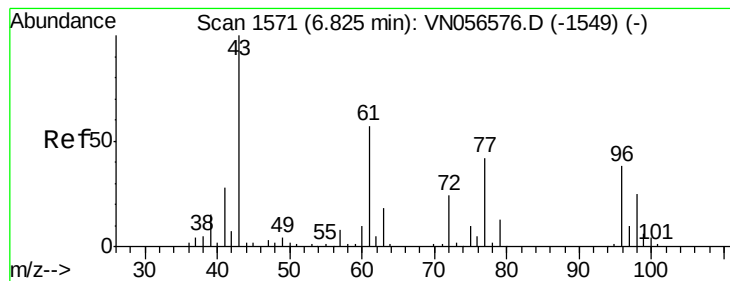
MMDadoda
 7/8/2019 10:04:51 AM



#30
 2-Butanone
 Concen: 246.380 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	569873		
57	8.2	6.7	10.1	
72	26.6	22.4	33.6	





#31

2,2-Dichloropropane

Concen: 49.553 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 77 Resp: 194501

Ion Ratio Lower Upper

77 100

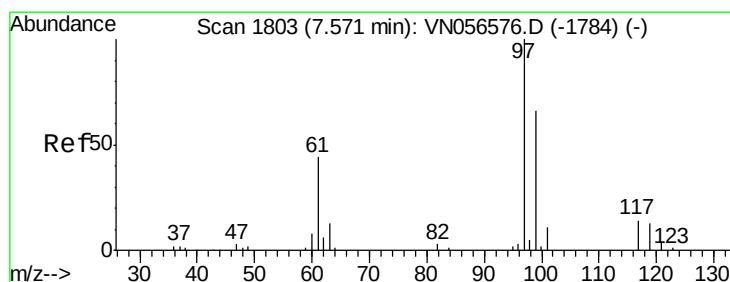
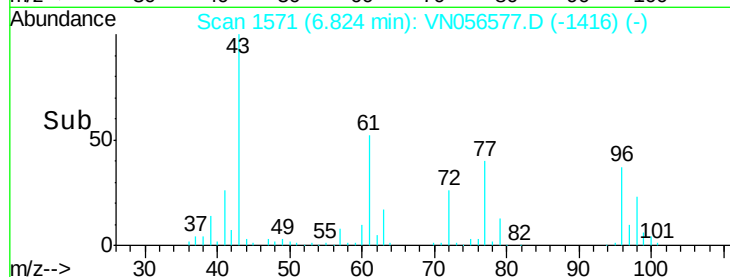
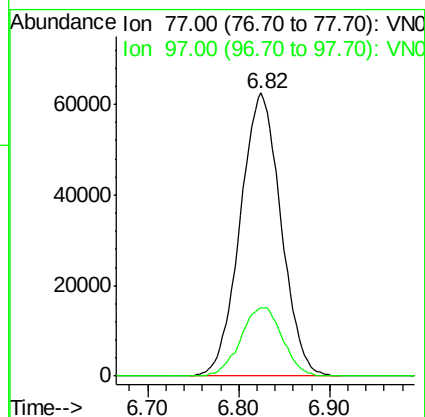
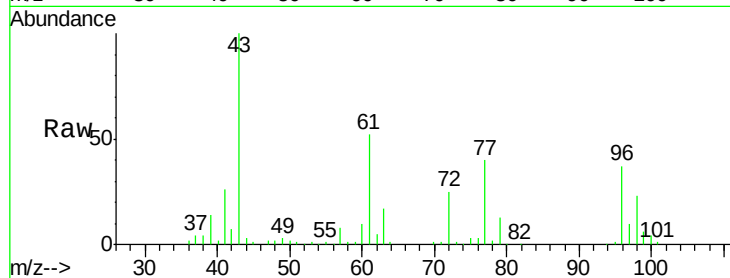
97 24.7 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.411 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

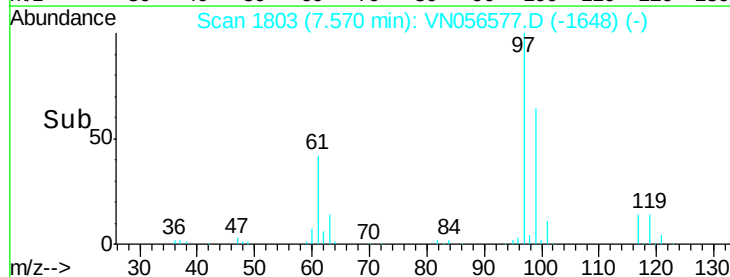
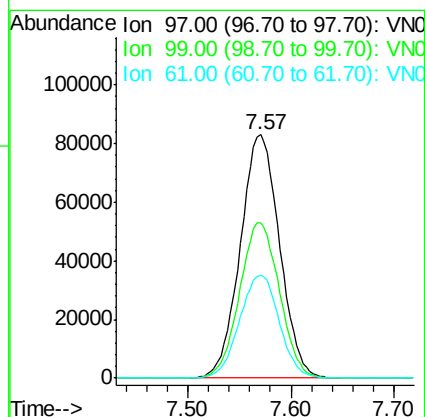
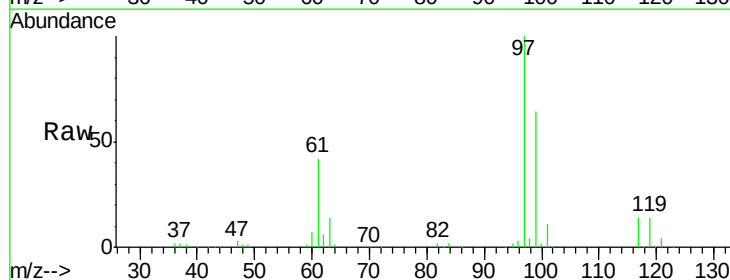
Tgt Ion: 97 Resp: 219786

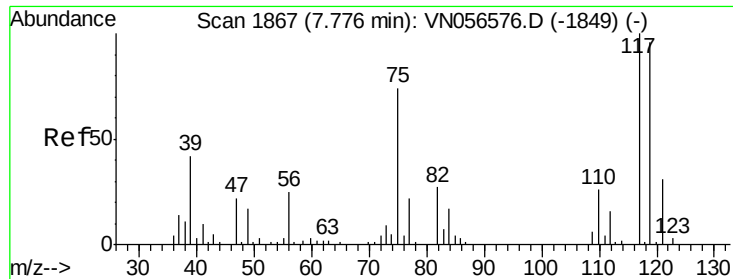
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 42.8 32.9 49.3





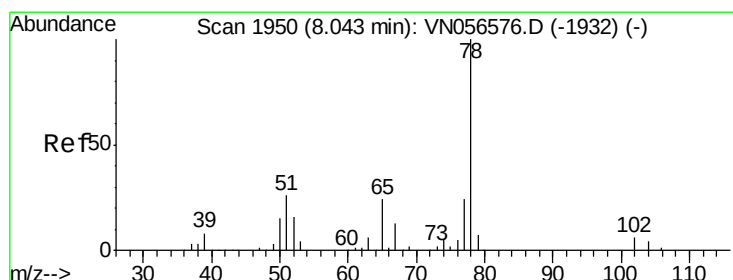
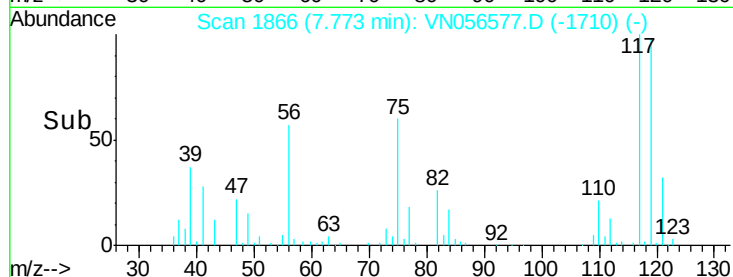
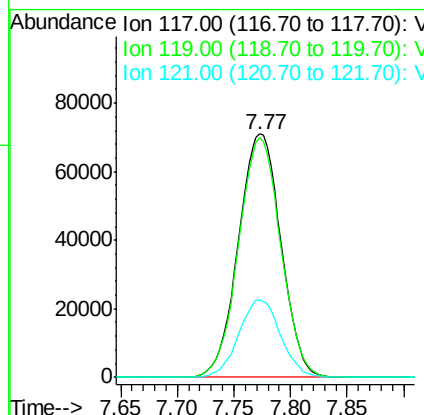
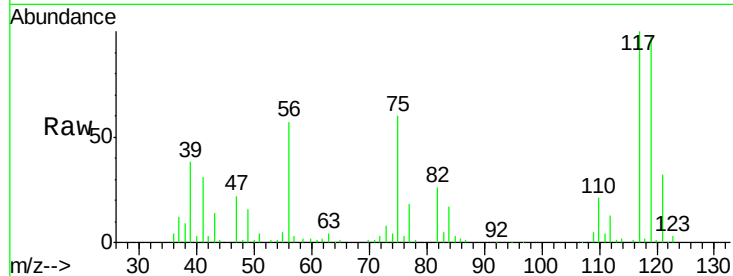
#33
Carbon Tetrachloride
Concen: 51.274 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.3	115.9
121	31.9	25.0	37.4

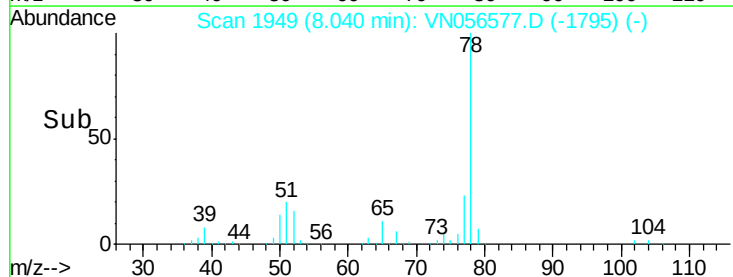
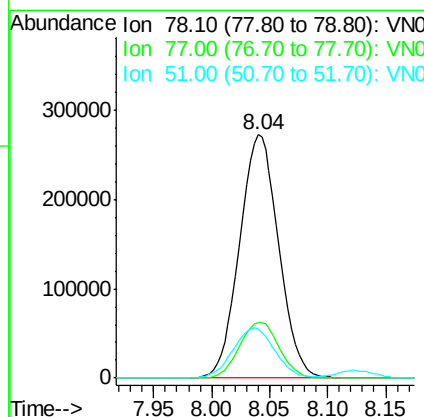
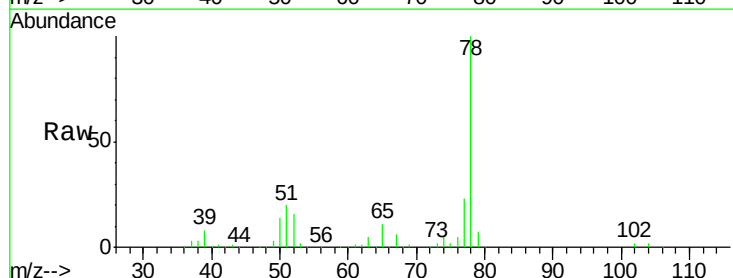
Manual Integrations
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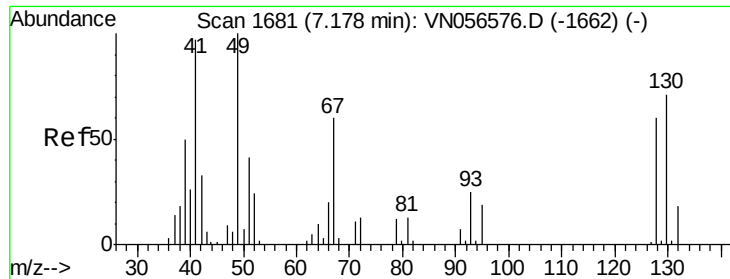
MMDadoda
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#34
Benzene
Concen: 48.489 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9
51	20.0	19.8	29.8





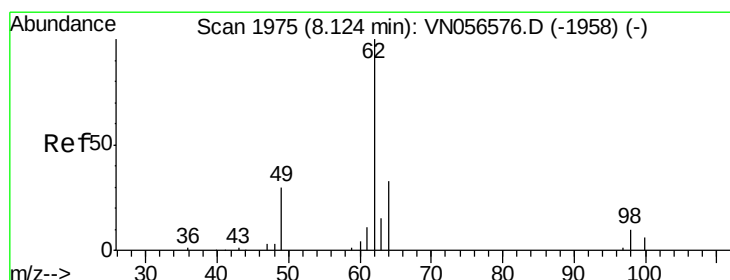
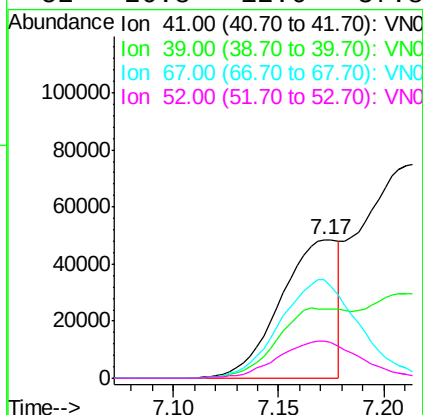
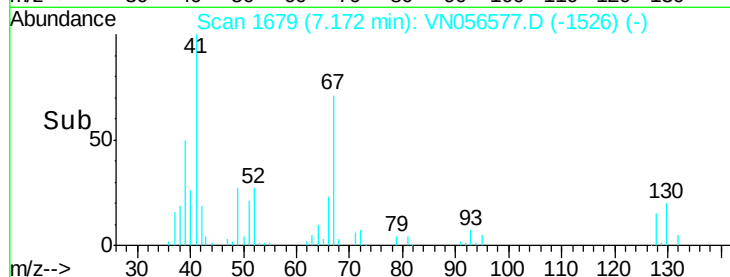
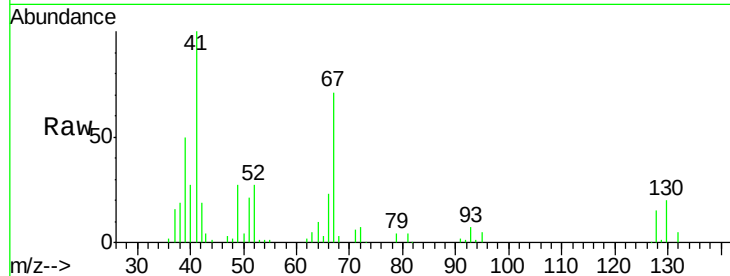
#35
Methacrylonitrile
Concen: 44.504 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	24.8	74.3
67	70.9	34.3	102.9
52	26.8	12.6	37.8

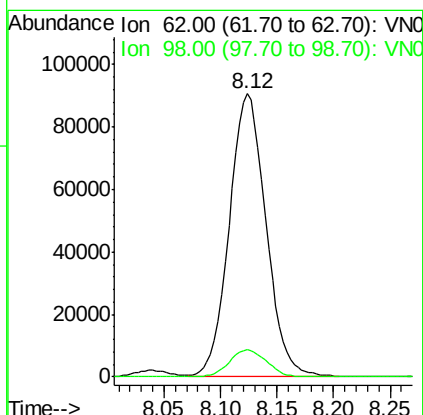
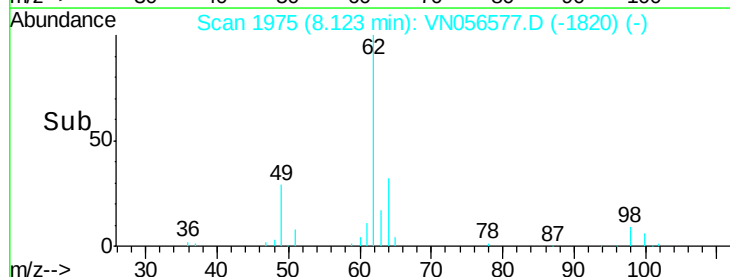
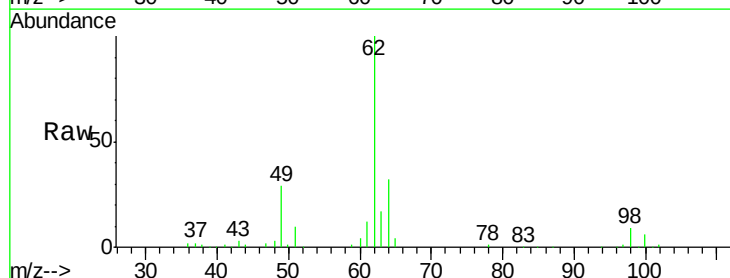
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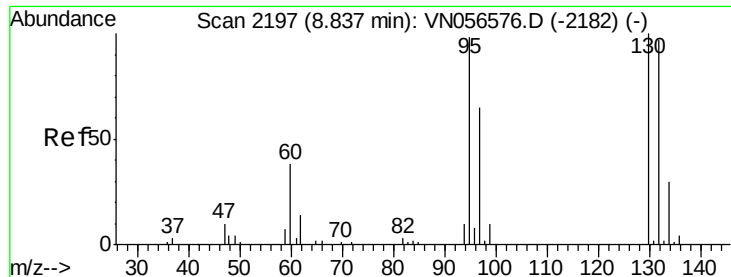
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#36
1,2-Dichloroethane
Concen: 46.779 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.6	13.0





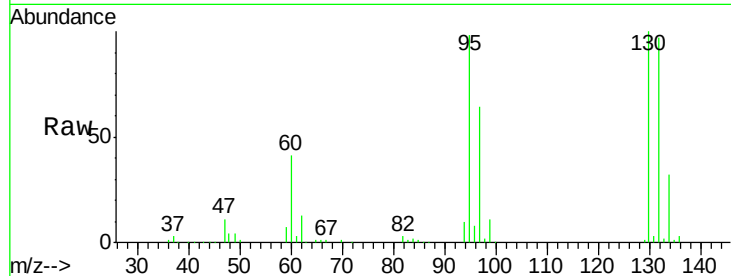
#37
 Trichloroethene
 Concen: 49.158 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

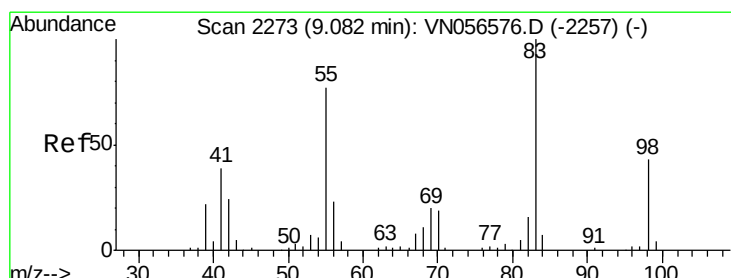
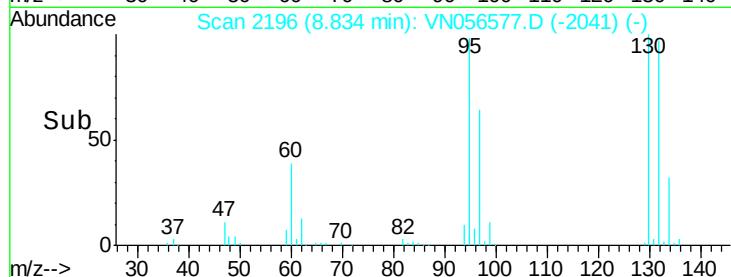
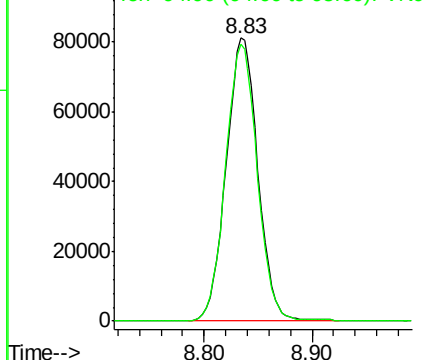
Tot Ion:130 Resp: 166345
 Ion Ratio Lower Upper
 130 100
 95 97.7 73.0 109.6

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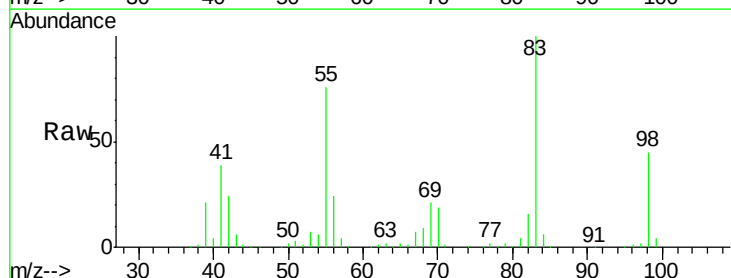


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

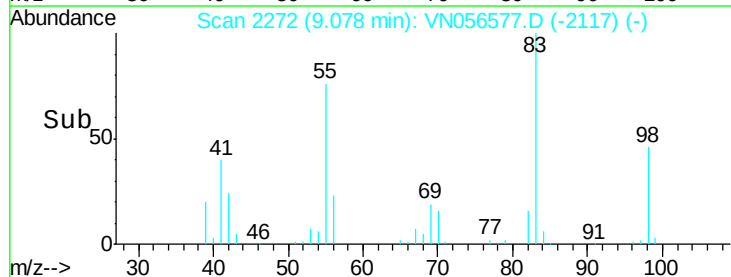
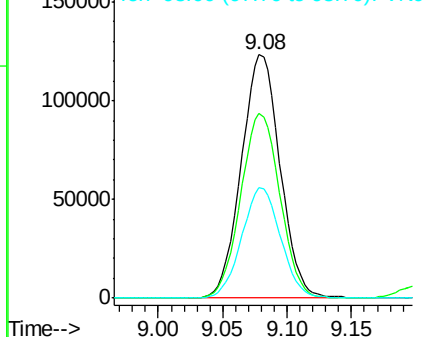


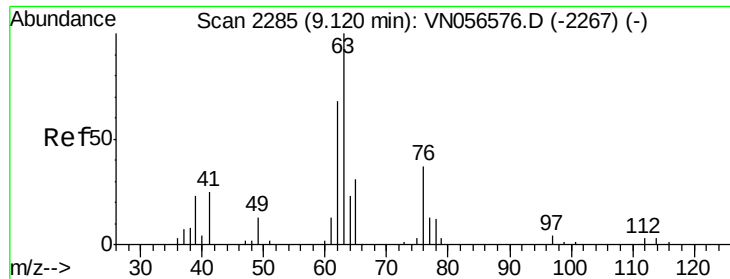
#38
 Methylcyclohexane
 Concen: 51.064 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion: 83 Resp: 258987
 Ion Ratio Lower Upper
 83 100
 55 76.7 37.5 112.7
 98 45.5 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 48.142 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 170449

Ion Ratio Lower Upper

63 100

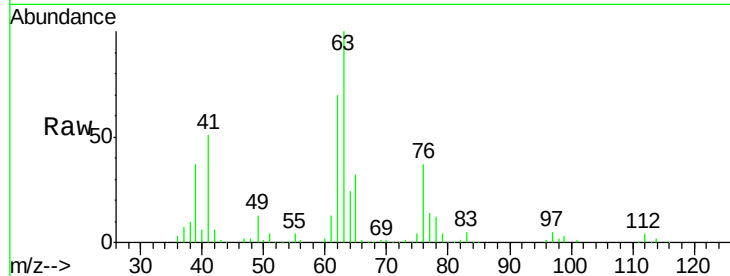
65 31.8 23.1 34.7

Manual Integrations

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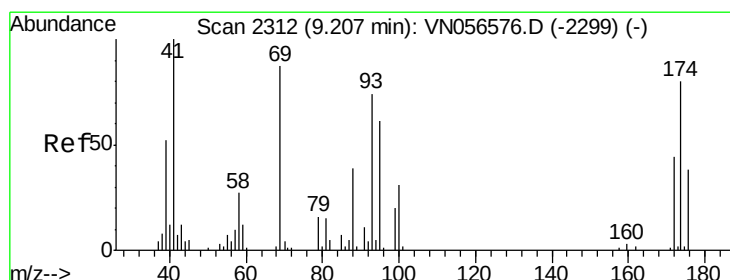
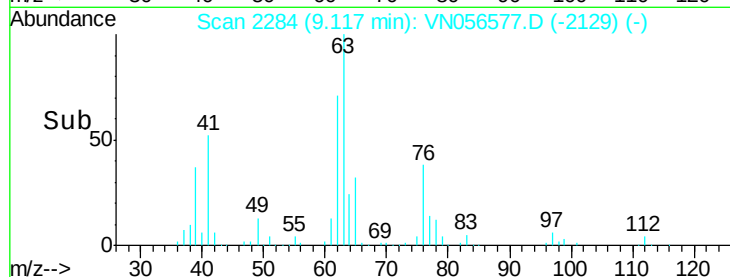
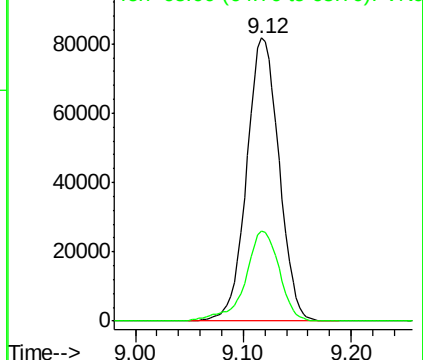
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 49.092 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

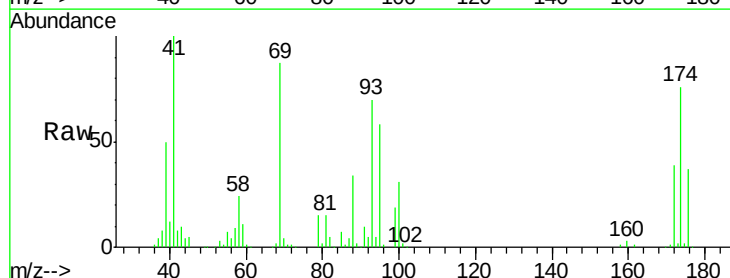
Tgt Ion: 93 Resp: 106192

Ion Ratio Lower Upper

93 100

95 84.8 0.0 169.0

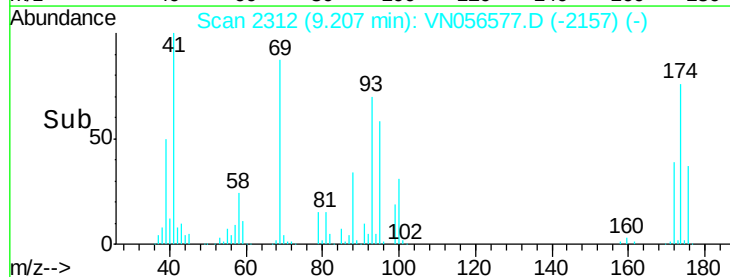
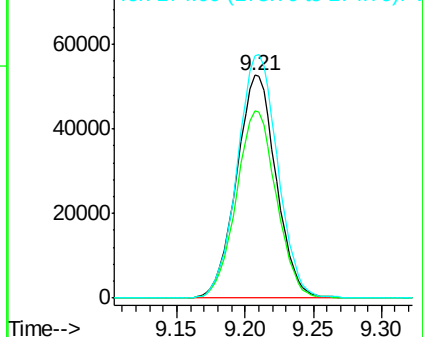
174 111.2 0.0 246.4

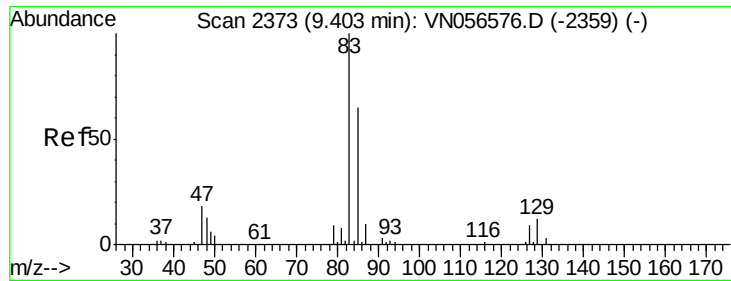


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





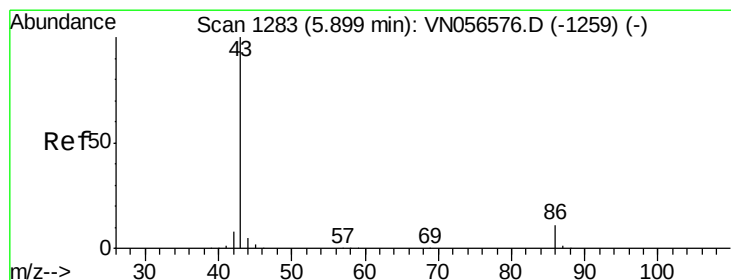
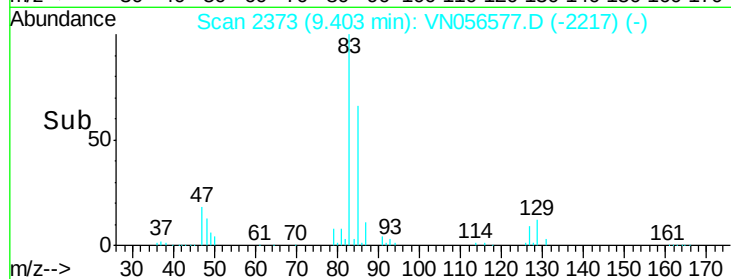
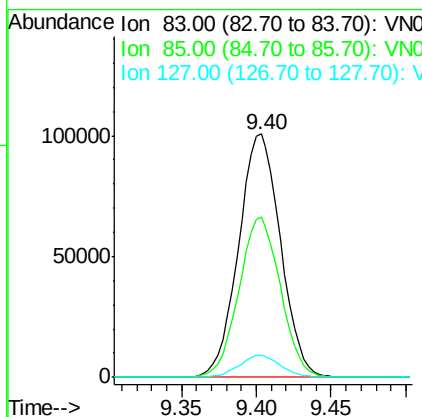
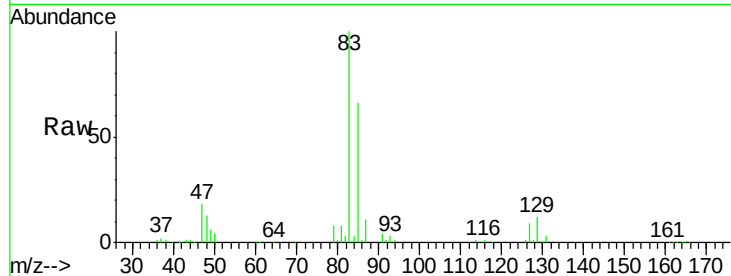
#41
Bromodichloromethane
Concen: 51.066 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	196325
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.8	77.6
127	9.2	7.3	10.9

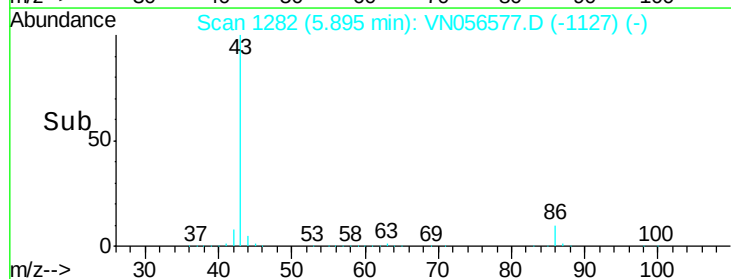
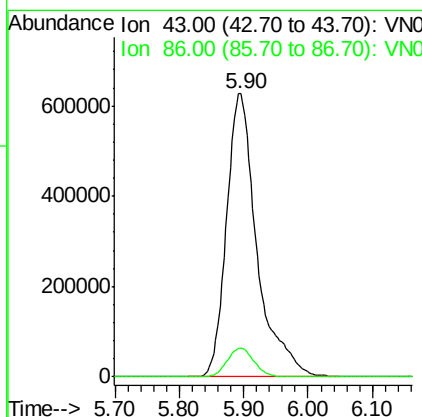
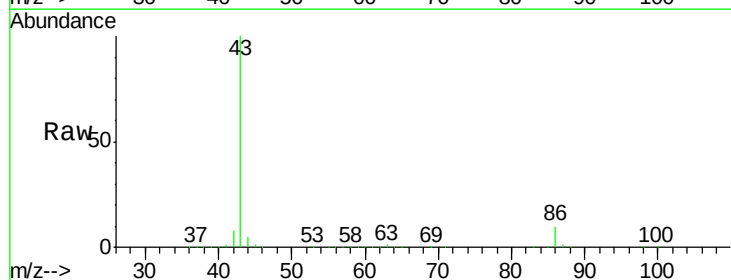
Manual Integrations
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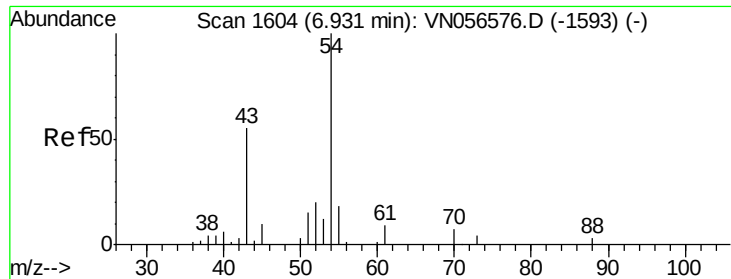
MMDadoda
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#42
Vinyl Acetate
Concen: 262.472 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	43	Resp	2062836
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.9	11.9





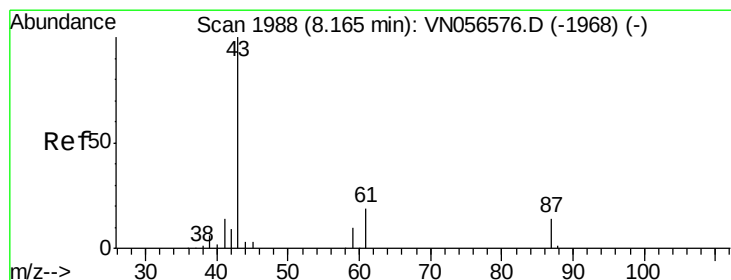
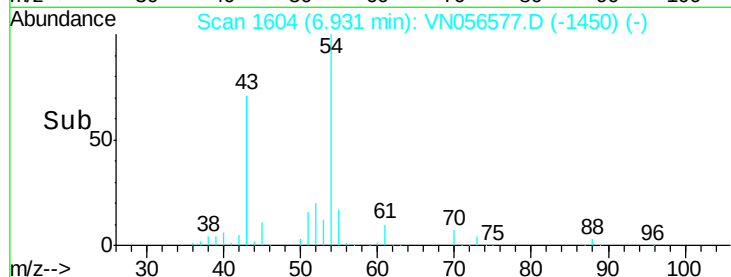
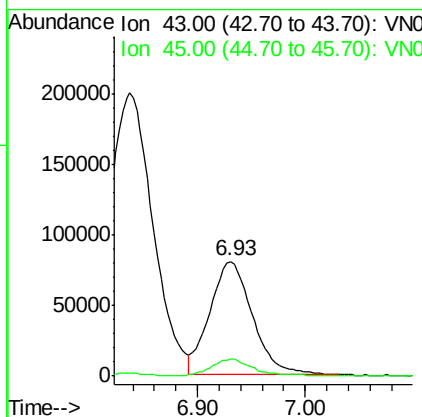
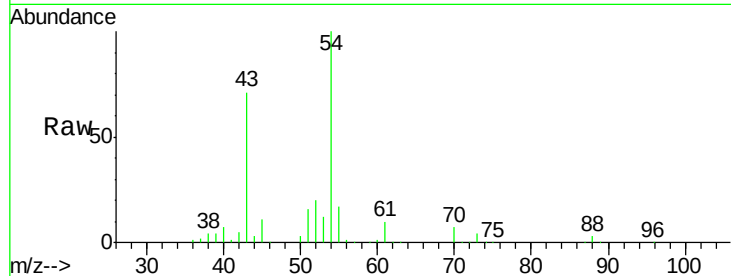
#43
Ethyl Acetate
Concen: 49.485 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 220574
Ion Ratio Lower Upper
43 100
45 14.4 12.3 18.5

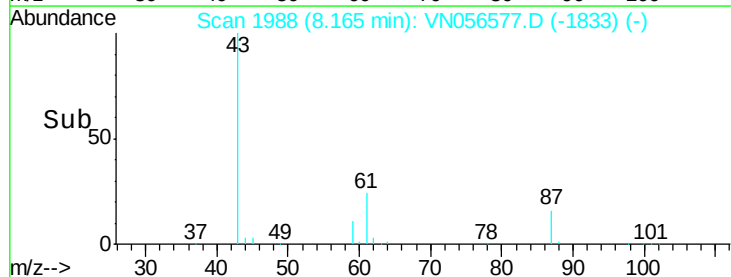
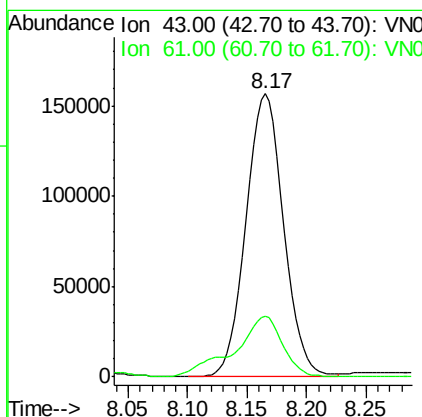
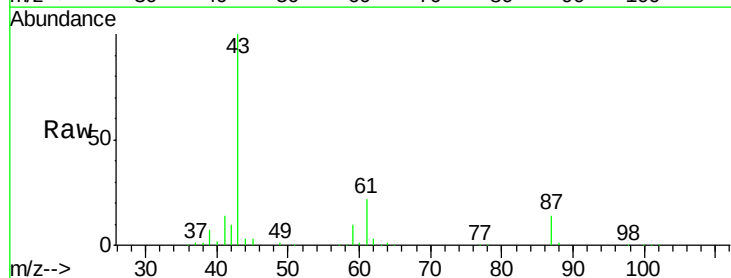
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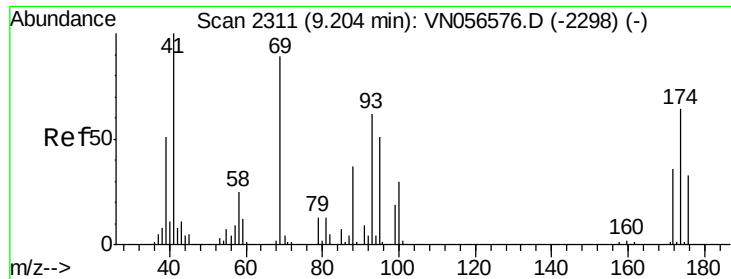
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#44
Isopropyl Acetate
Concen: 50.413 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion: 43 Resp: 341871
Ion Ratio Lower Upper
43 100
61 27.4 16.9 25.3#





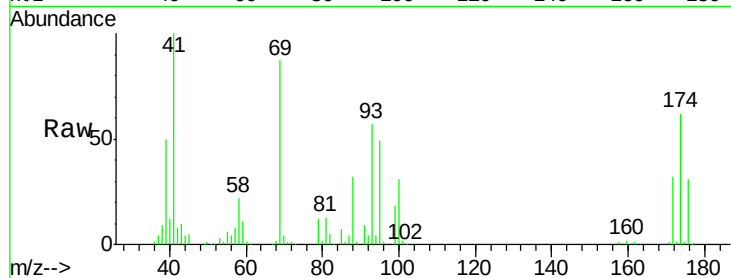
#45
 1,4-Dioxane
 Concen: 953.633 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	88	Resp	66024
Ion	Ratio	Lower	Upper
88	100		
43	26.9	19.8	29.6
58	70.4	48.5	72.7

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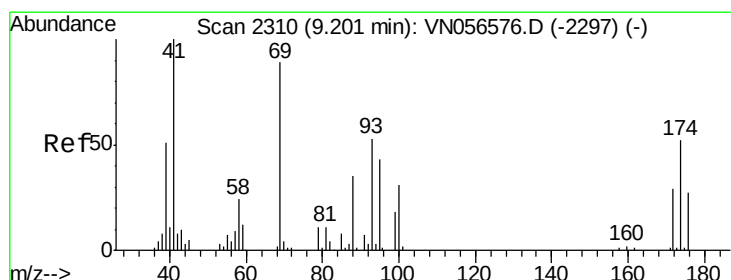
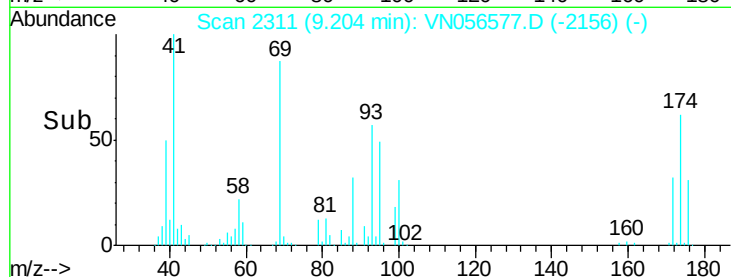
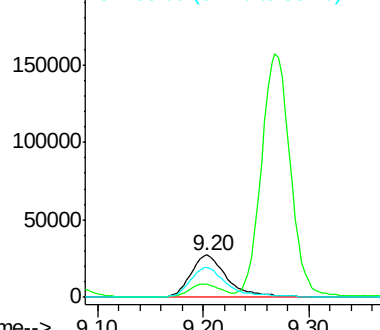


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 49.706 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

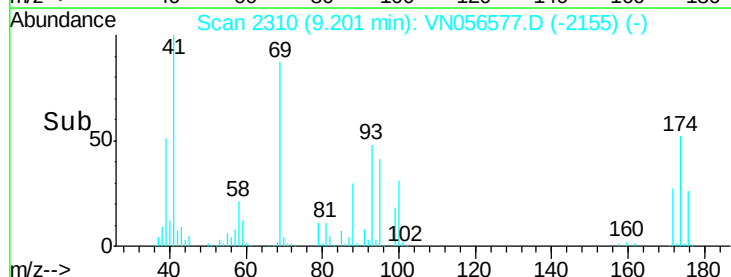
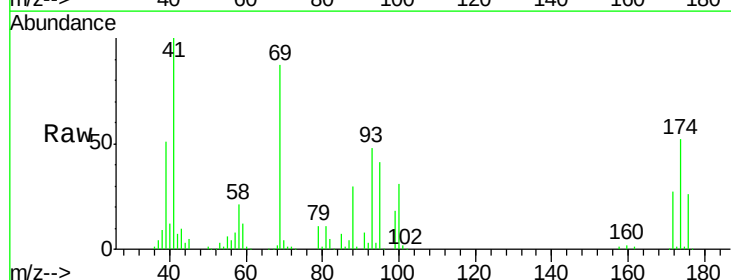
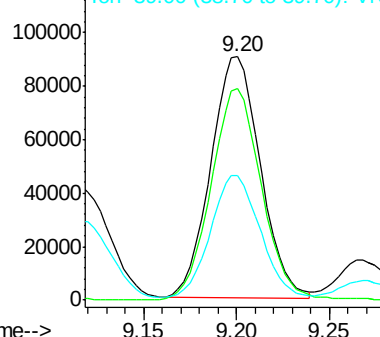
Tgt Ion	41	Resp	167112
Ion	Ratio	Lower	Upper
41	100		
69	87.7	46.0	137.8
39	50.4	24.6	73.8

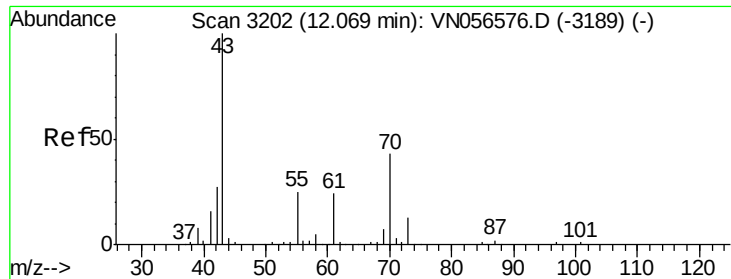
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 56.207 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 294227

Ion Ratio Lower Upper

43 100

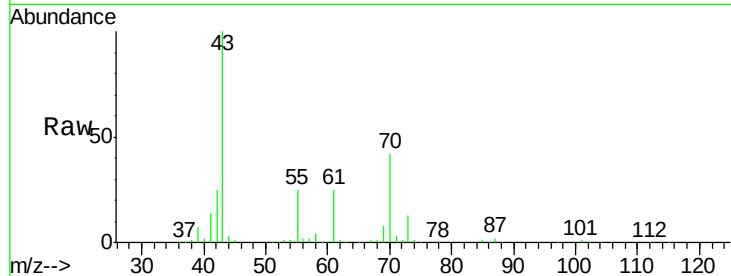
55 25.0 19.0 28.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

200000

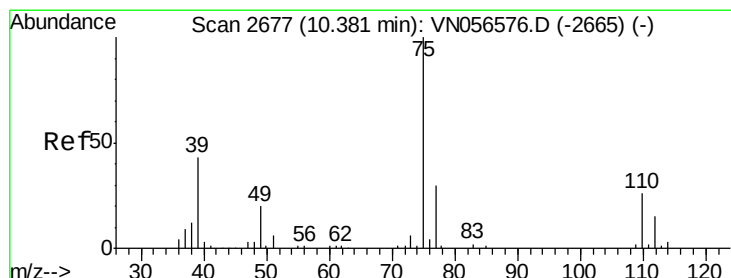
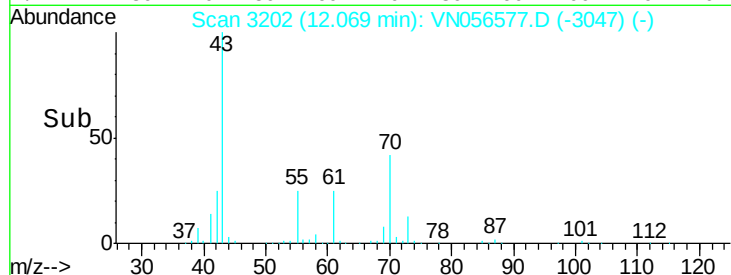
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 56.035 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056577.D

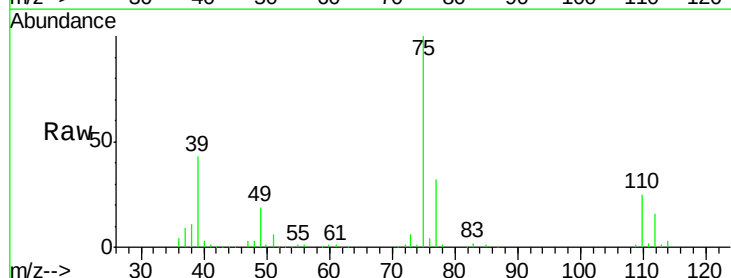
Acq: 3 Jul 2019 9:56

Tgt Ion: 75 Resp: 215555

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

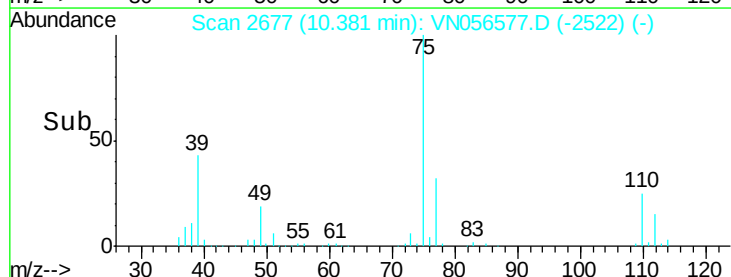
150000

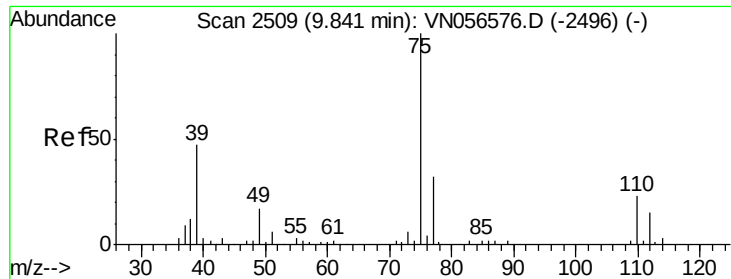
100000

50000

0

Time-->





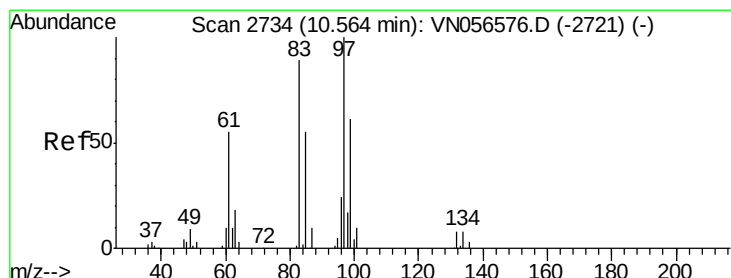
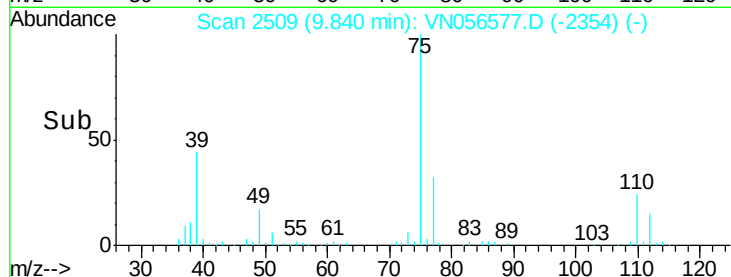
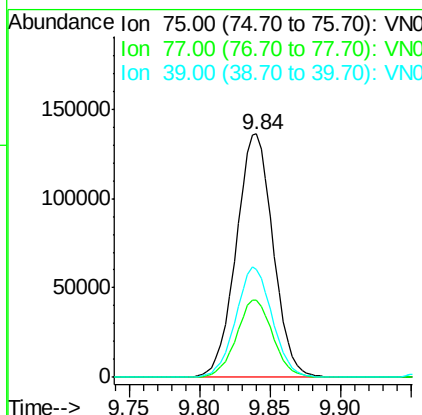
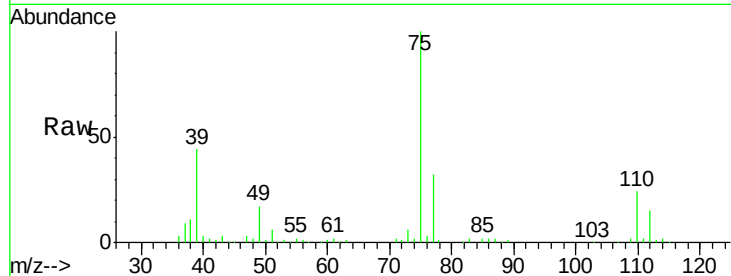
#49
 cis-1,3-Dichloropropene
 Concen: 54.456 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	44.2	34.3	51.5

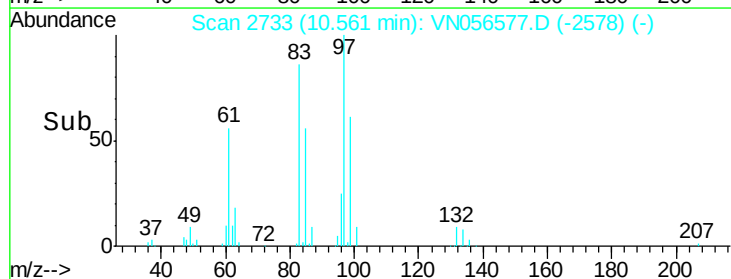
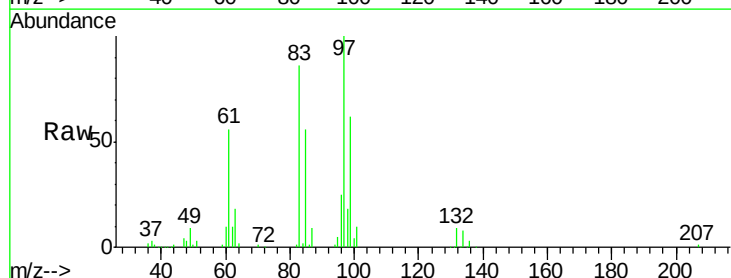
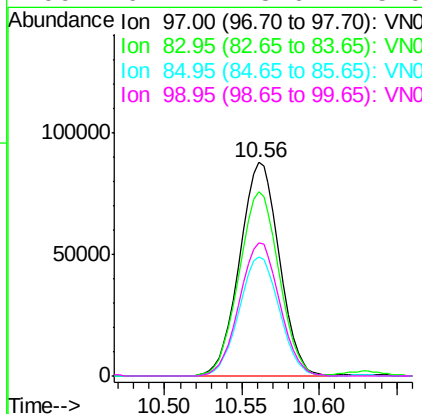
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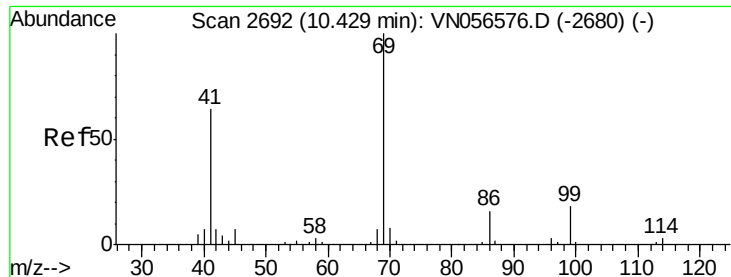
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#50
 1,1,2-Trichloroethane
 Concen: 49.206 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.9	100.3
85	56.0	43.3	64.9
99	62.4	48.6	73.0





#51

Ethyl methacrylate

Concen: 52.162 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

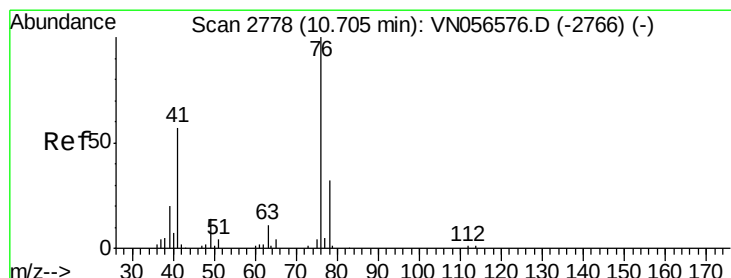
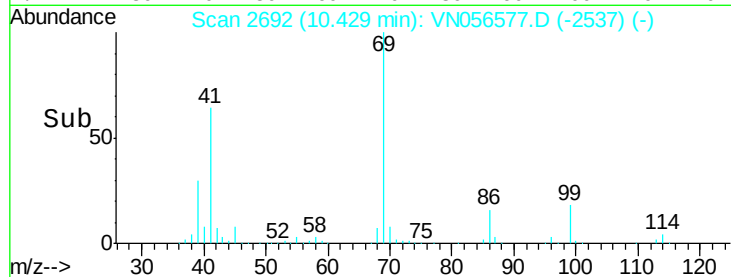
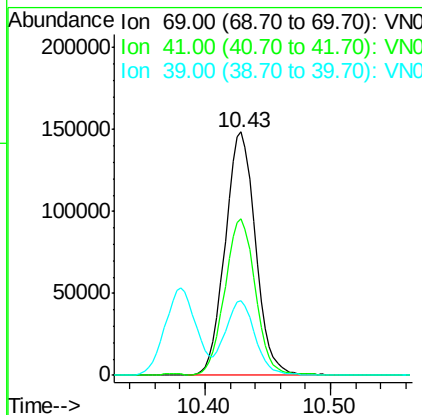
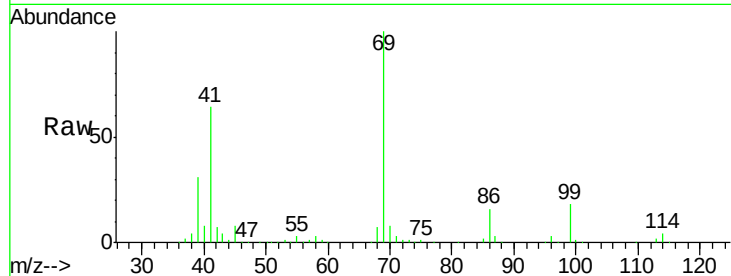
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	250117
Ion Ratio	Lower	Upper	
69	100		
41	64.0	30.8	92.3
39	30.5	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 49.217 ug/l

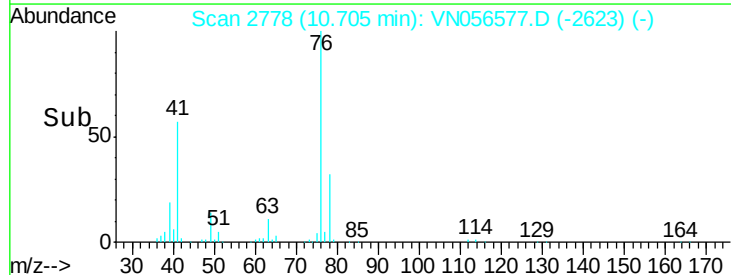
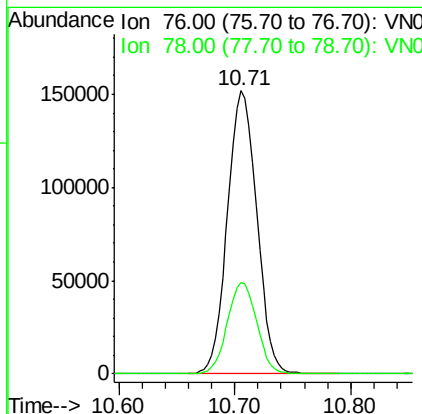
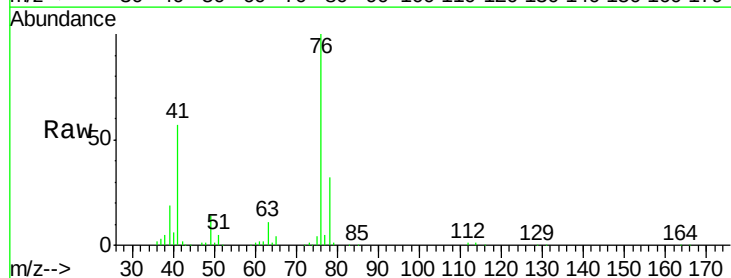
RT: 10.71 min Scan# 2778

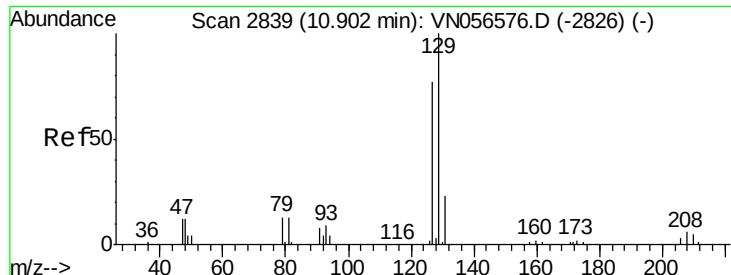
Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Tgt Ion:	76	Resp:	267221
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





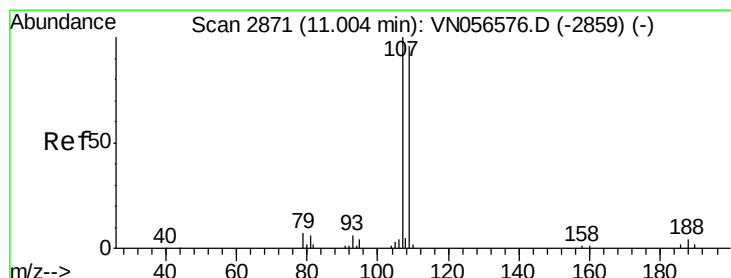
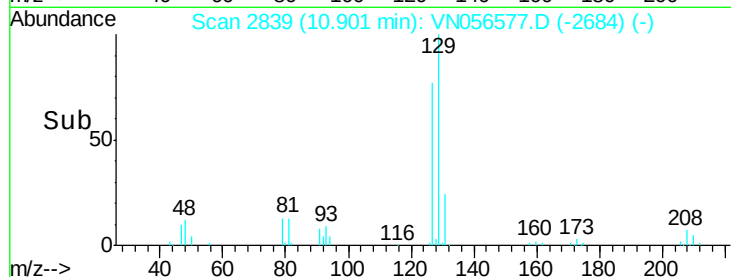
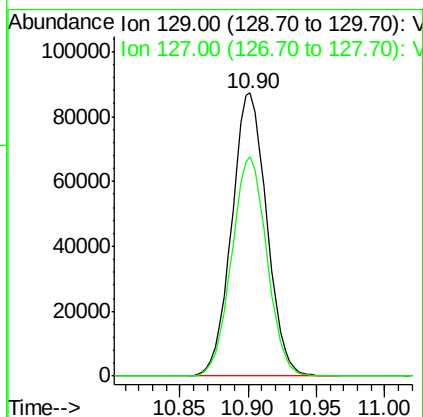
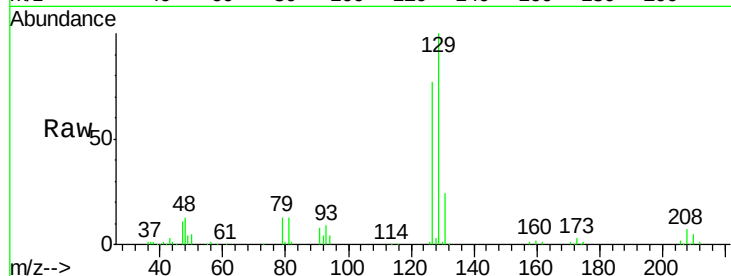
#53
Dibromochloromethane
Concen: 54.143 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.5

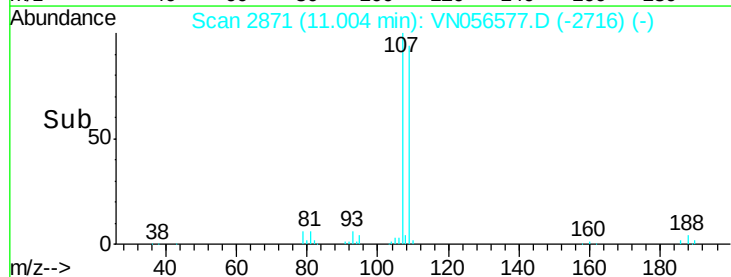
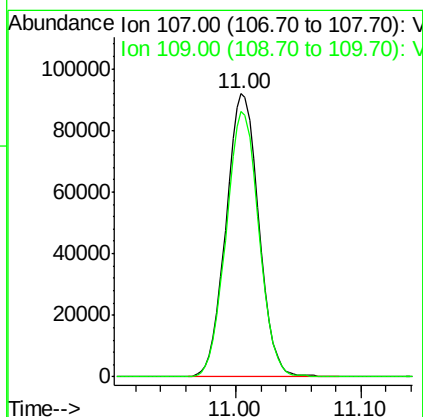
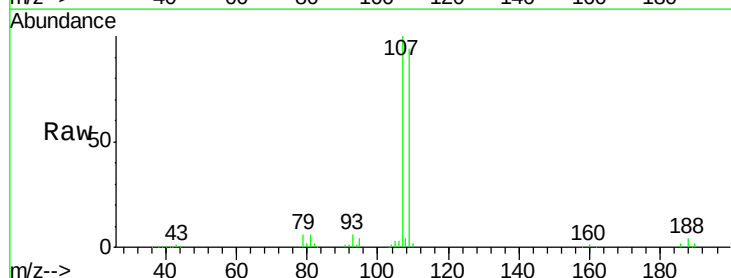
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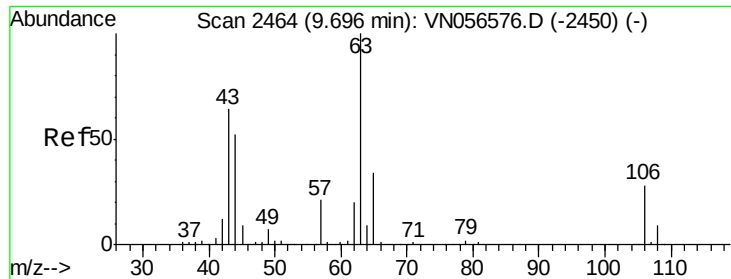
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#54
1,2-Dibromoethane
Concen: 51.489 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.8	115.2





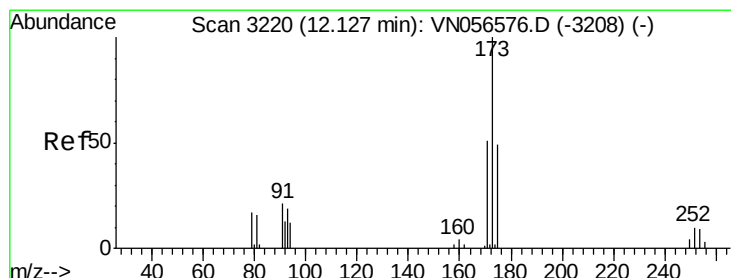
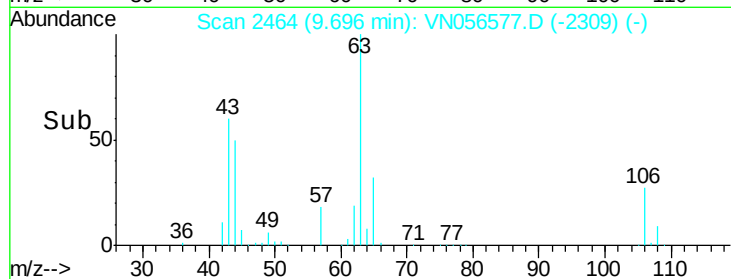
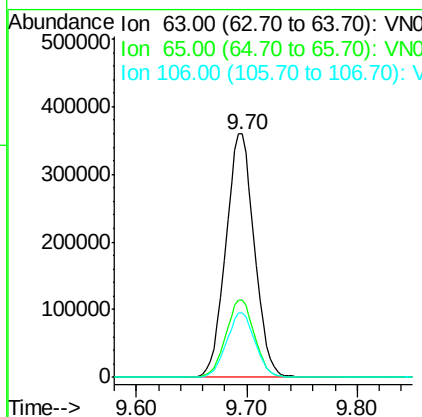
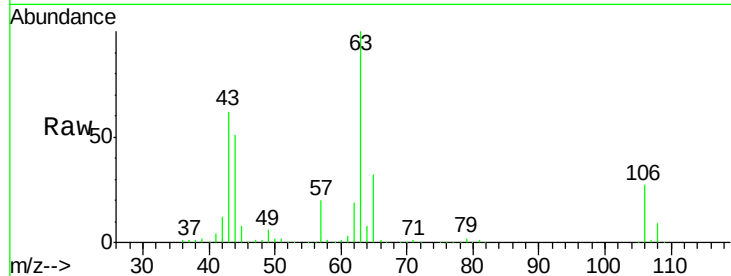
#55
2-Chloroethyl vinyl ether
Concen: 267.037 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	26.5	23.0	34.4

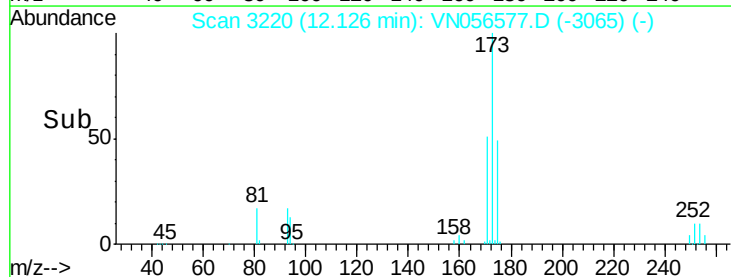
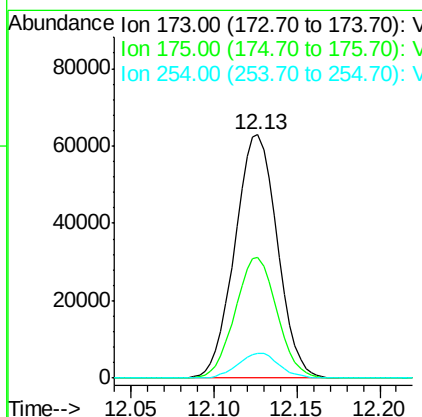
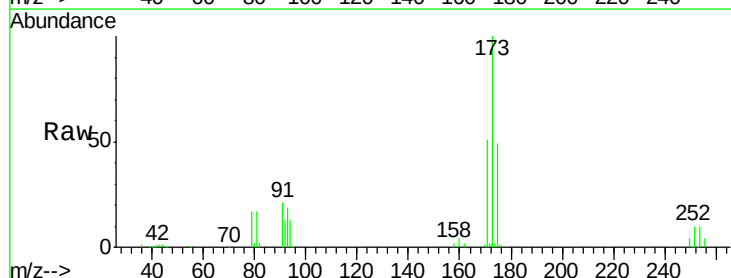
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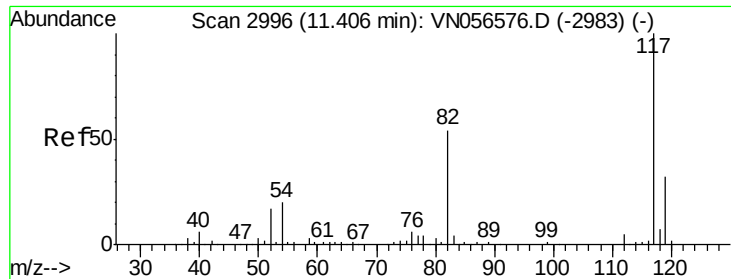
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#56
Bromoform
Concen: 55.980 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	9.9	6.6	9.8#





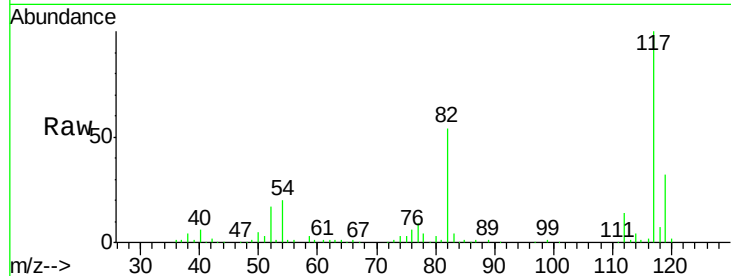
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

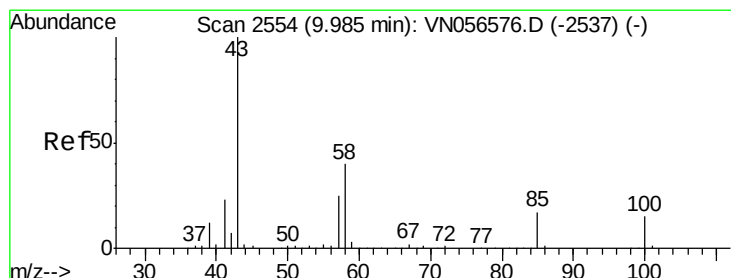
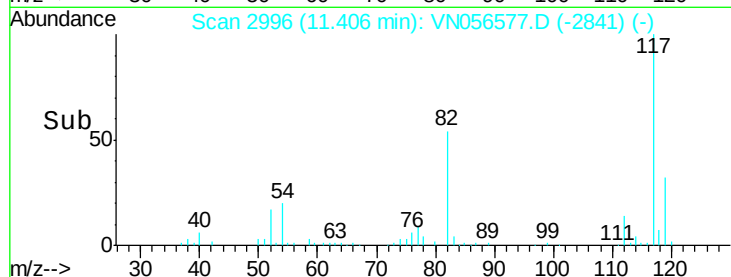
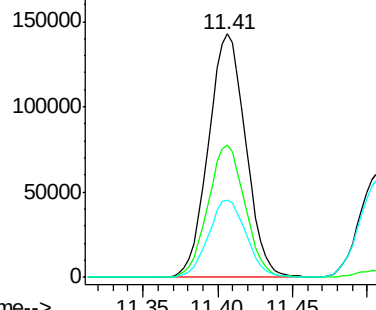
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.2	61.8
119	32.1	26.2	39.2

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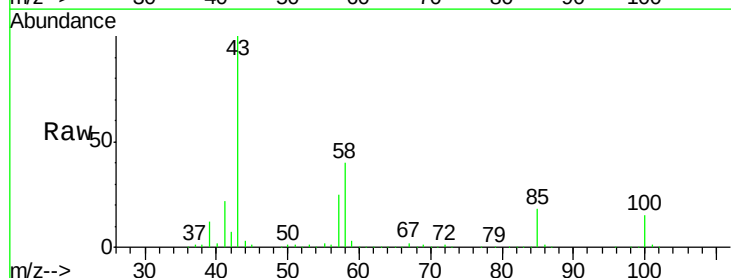


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

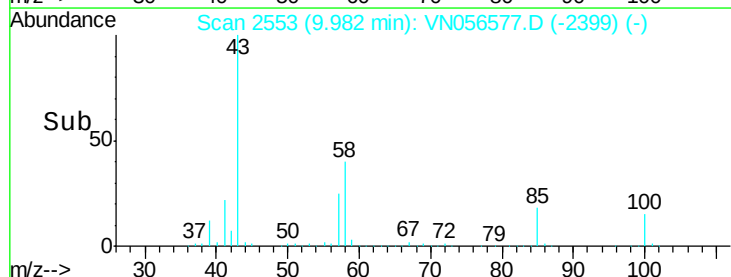
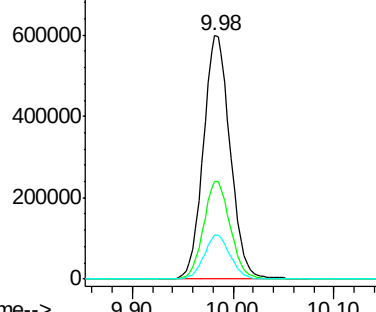


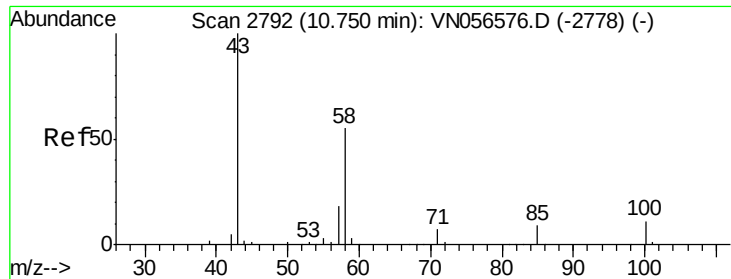
#58
4-Methyl-2-Pentanone
Concen: 241.523 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	33.1	49.7
85	17.6	15.5	23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





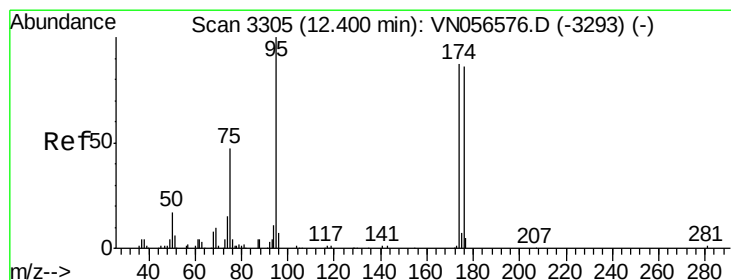
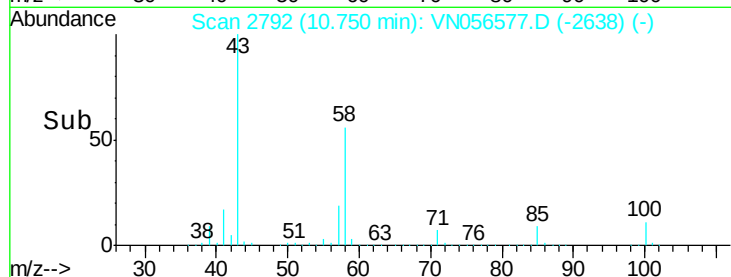
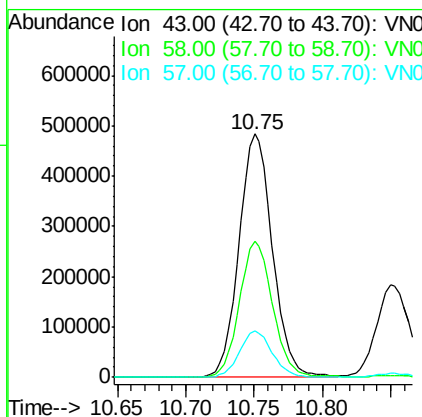
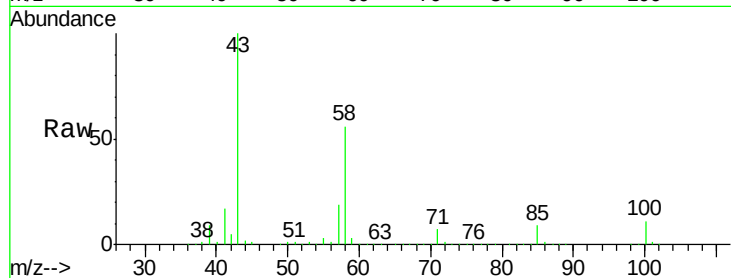
#59
2-Hexanone
Concen: 245.907 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	45.3	67.9
57	18.9	15.6	23.4

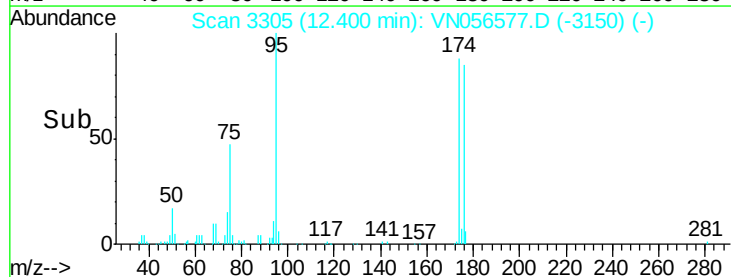
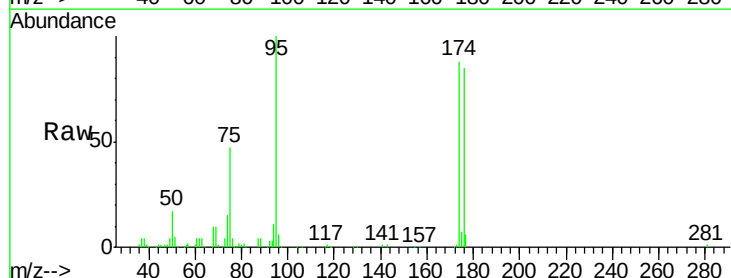
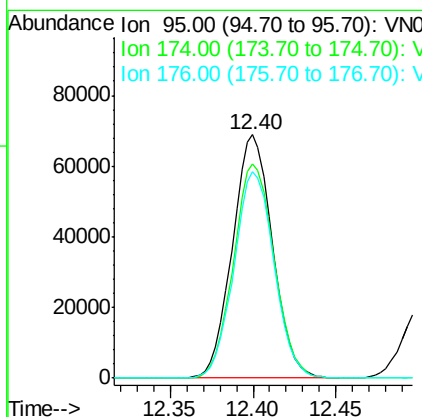
Manual Integrations
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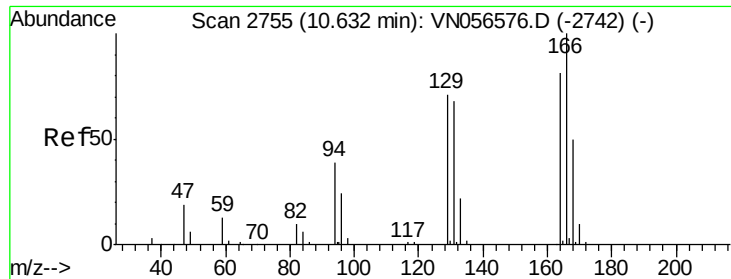
MMDadoda
7/8/2019 10:04:51 AM



#60
4-Bromofluorobenzene
Concen: 32.062 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	75.4	113.0
176	84.8	73.9	110.9





#61

Tetrachloroethene

Concen: 45.982 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

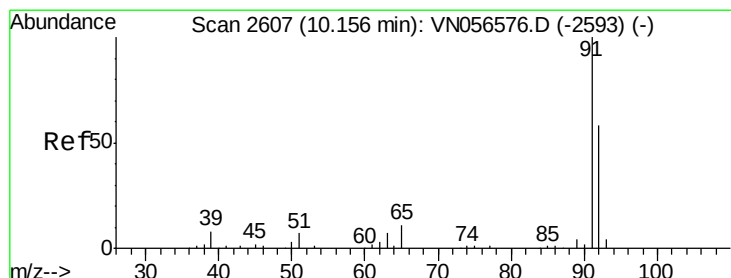
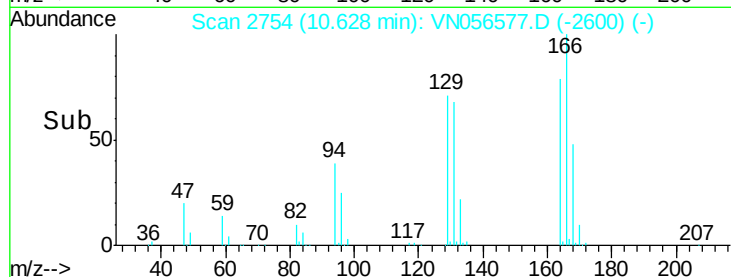
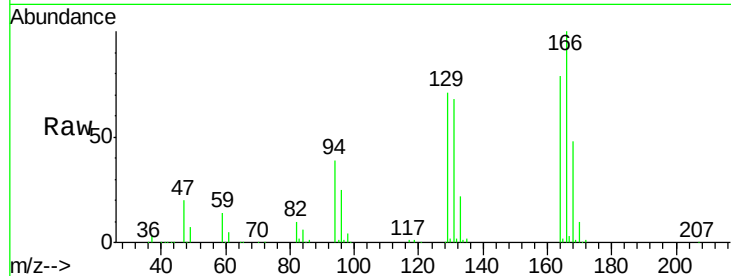
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	150927
Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.3	156.5
129	89.2	71.5	107.3
131	85.8	67.7	101.5

Manual Integrations
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#62

Toluene

Concen: 46.958 ug/l

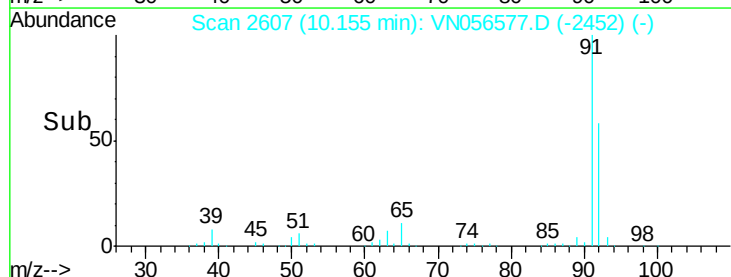
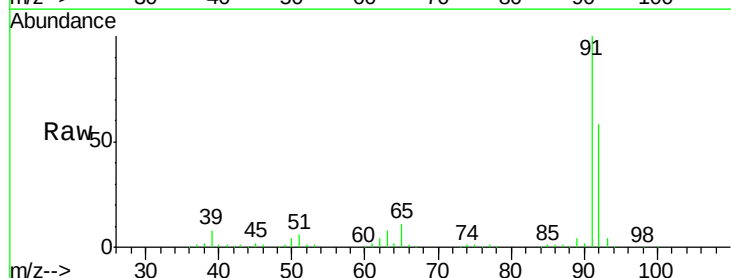
RT: 10.16 min Scan# 2607

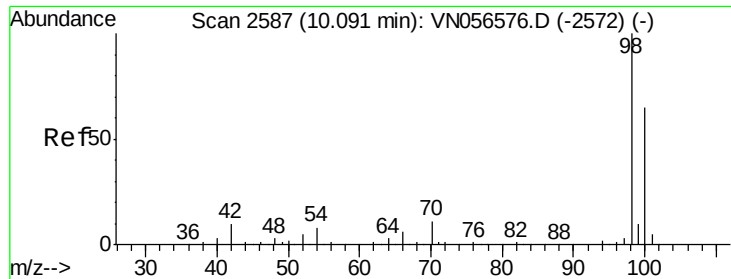
Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Tgt Ion:	91	Resp:	675201
Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.5	68.3





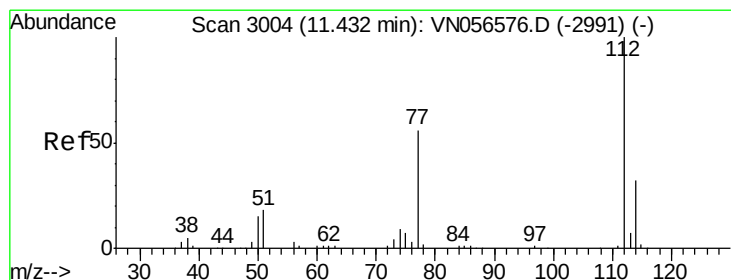
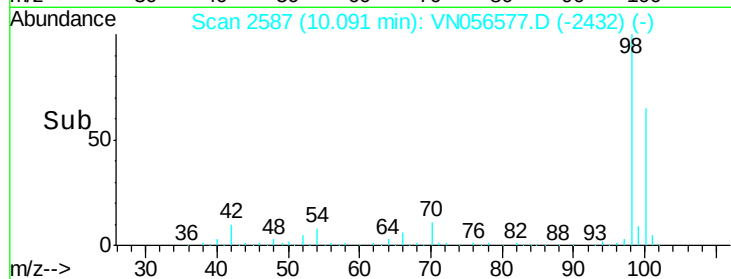
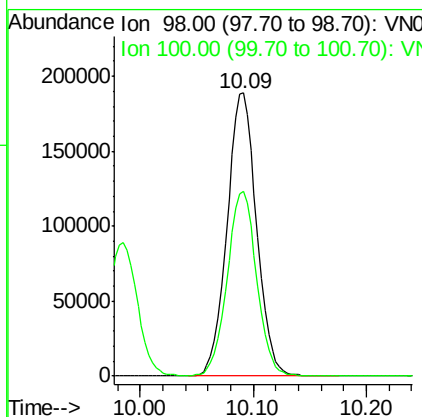
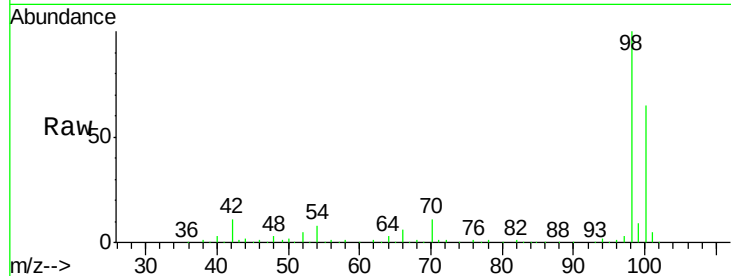
#63
Toluene-d8
Concen: 29.053 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 342785
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

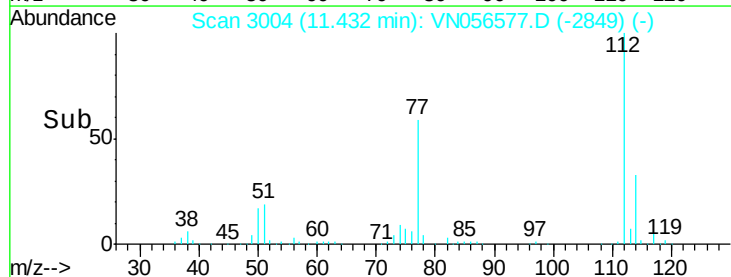
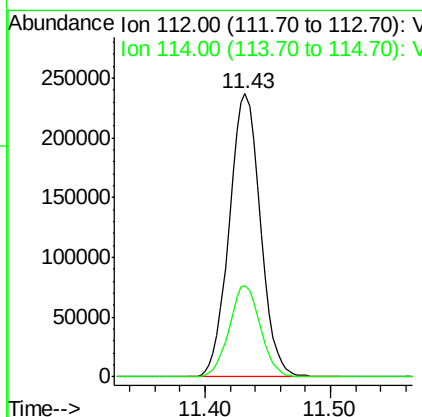
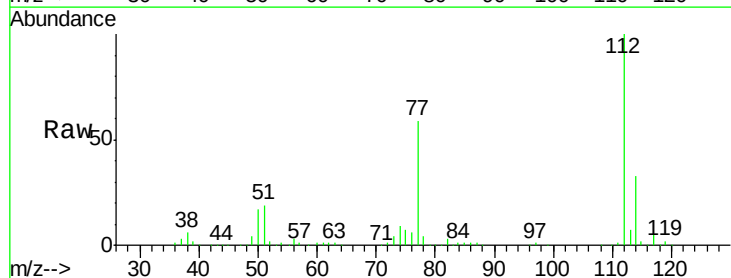
Manual Integrations
APPROVED

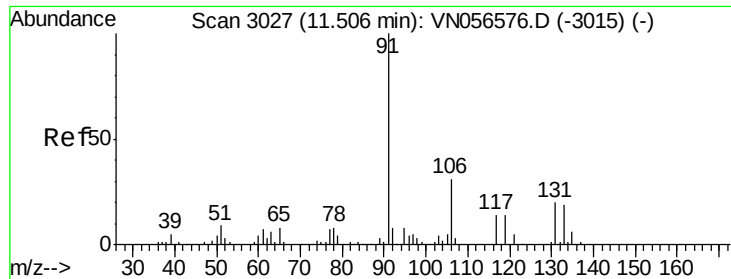
MMDadoda
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#64
Chlorobenzene
Concen: 48.054 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion: 112 Resp: 408477
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 50.767 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

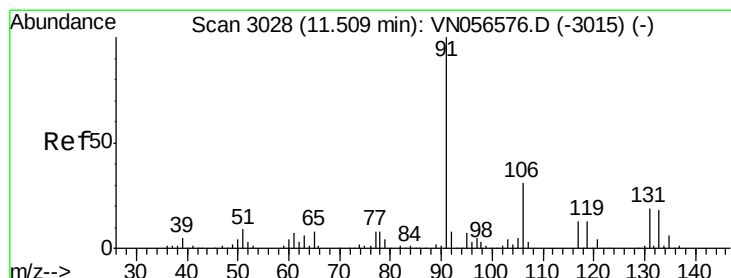
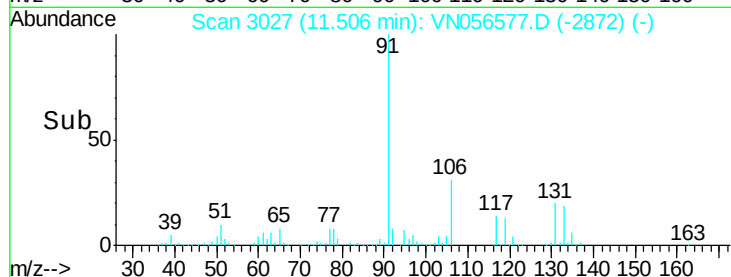
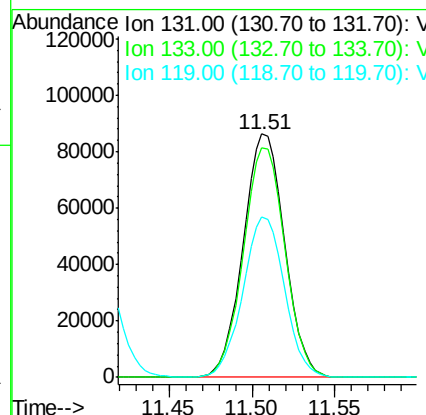
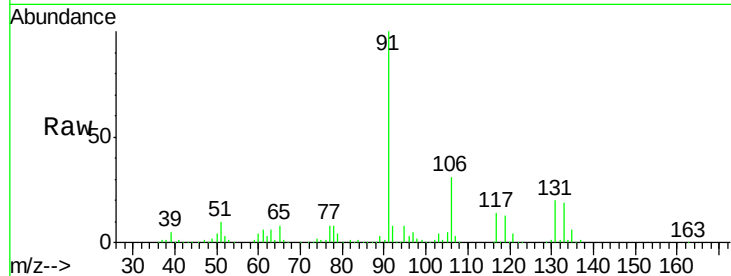
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	150218
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	193.8
119	66.2	0.0	134.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 48.916 ug/l

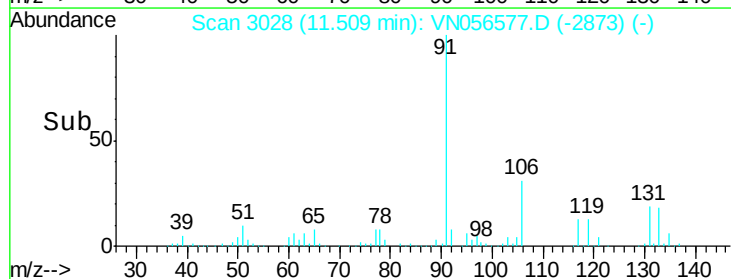
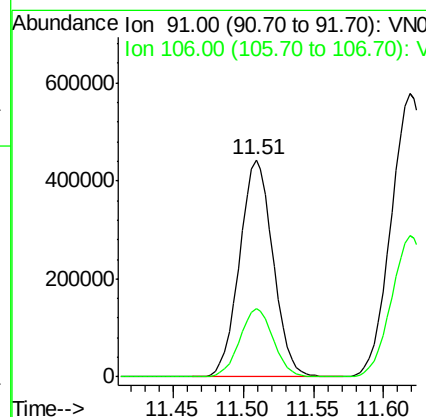
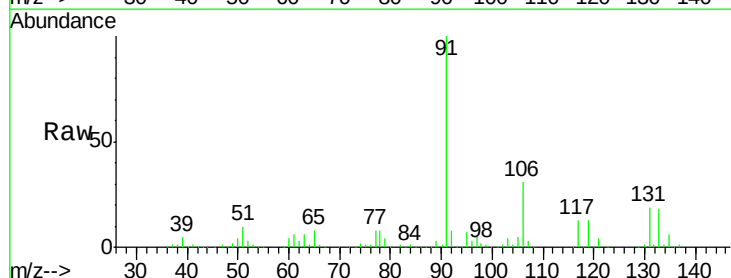
RT: 11.51 min Scan# 3028

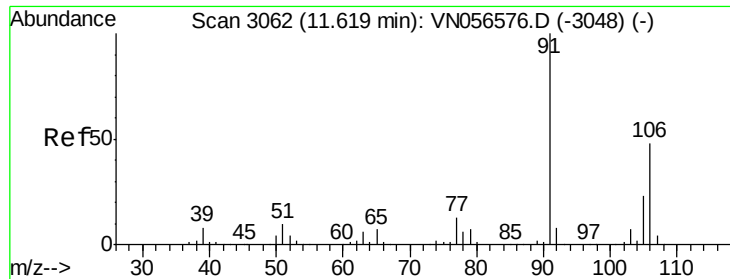
Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Tgt Ion:	91	Resp:	739233
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.7	38.5





#67

m/p-Xylenes

Concen: 101.297 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 554210

Ion Ratio Lower Upper

106 100

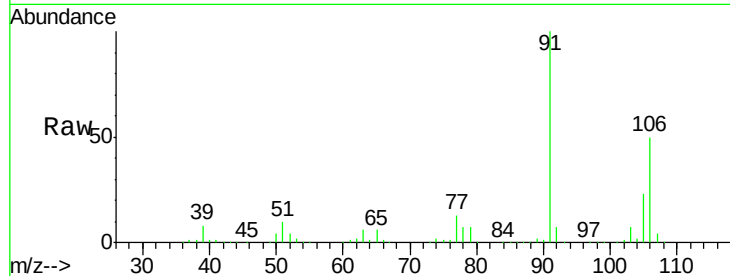
91 202.8 155.7 233.5

Manual Integrations

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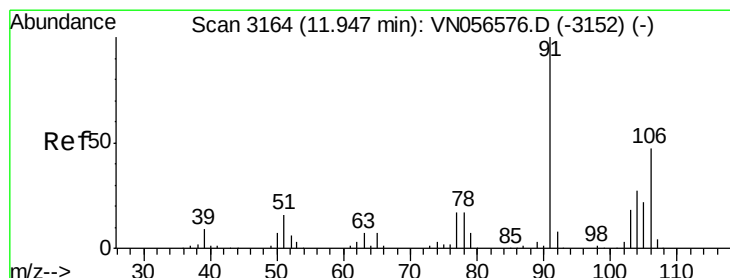
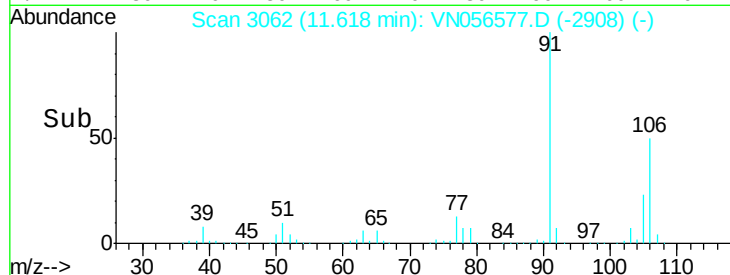
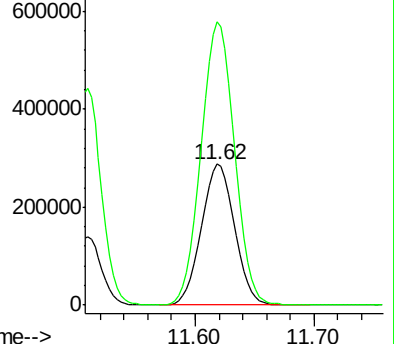
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 48.312 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN056577.D

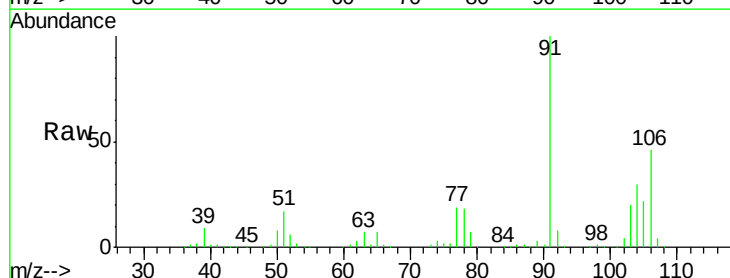
Acq: 3 Jul 2019 9:56

Tgt Ion:106 Resp: 269111

Ion Ratio Lower Upper

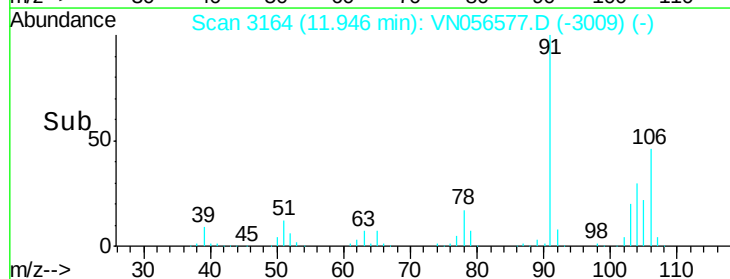
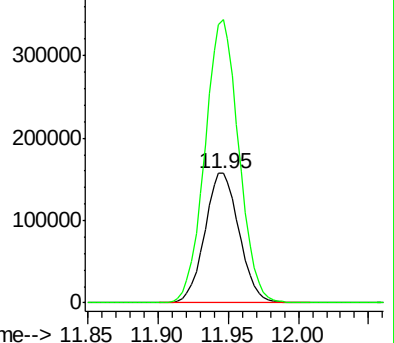
106 100

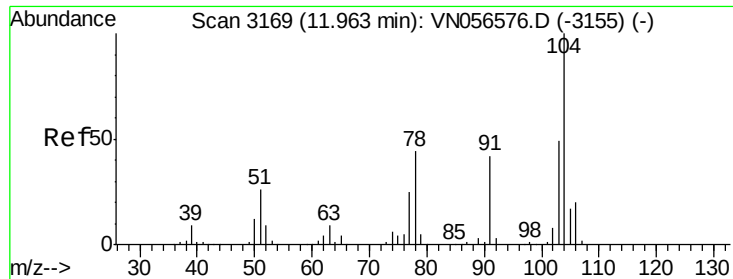
91 215.1 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





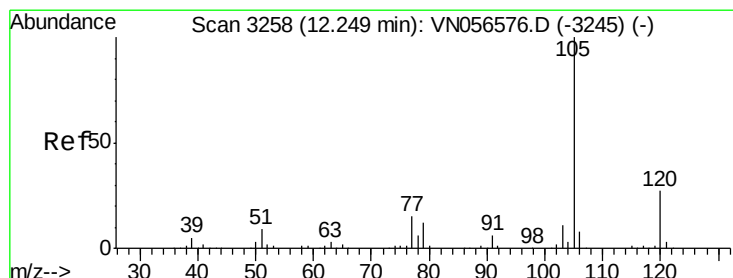
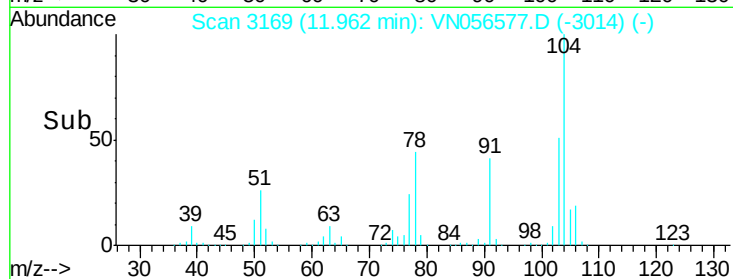
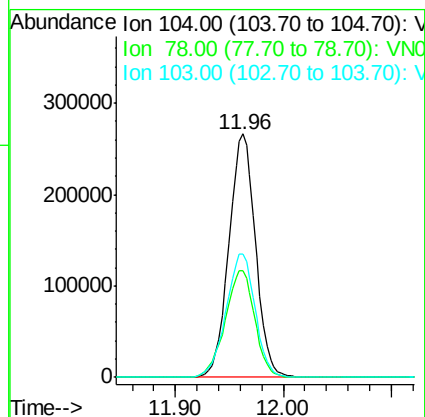
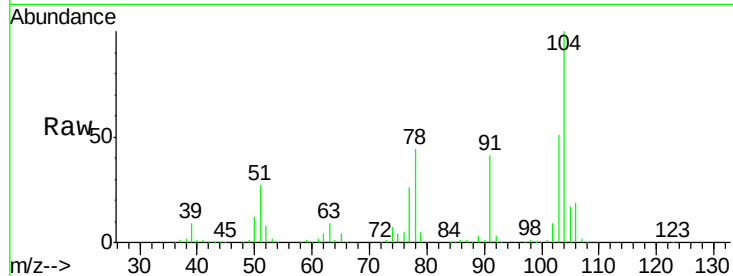
#69
Stvrene
Concen: 52.119 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	37.0	55.6
103	55.6	44.4	66.6

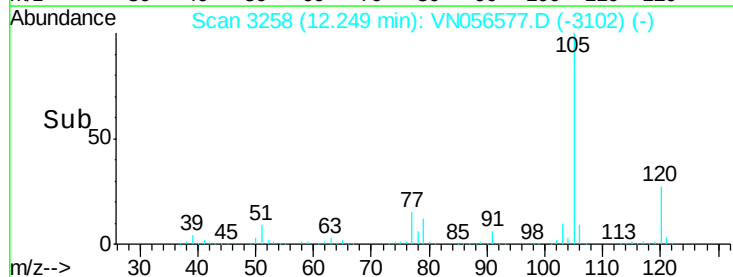
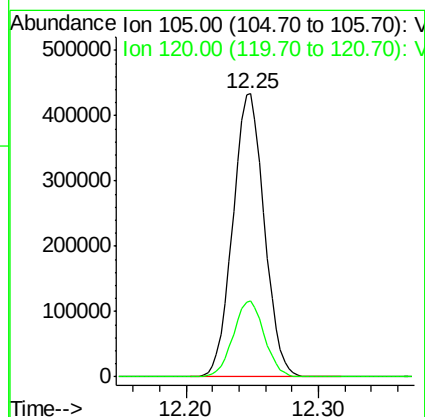
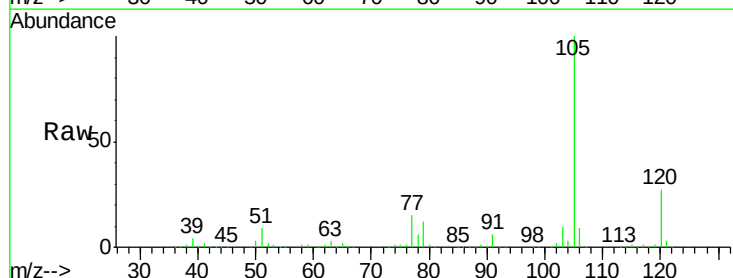
Manual Integrations
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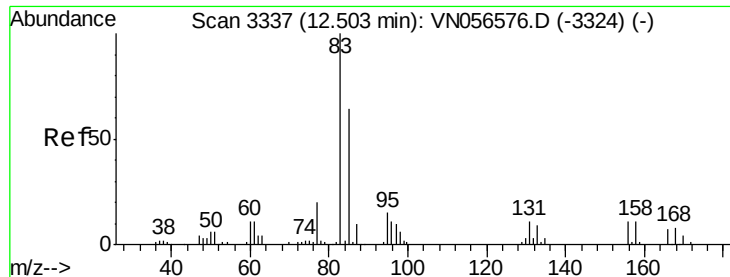
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#70
Isopropylbenzene
Concen: 49.976 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.3	35.8





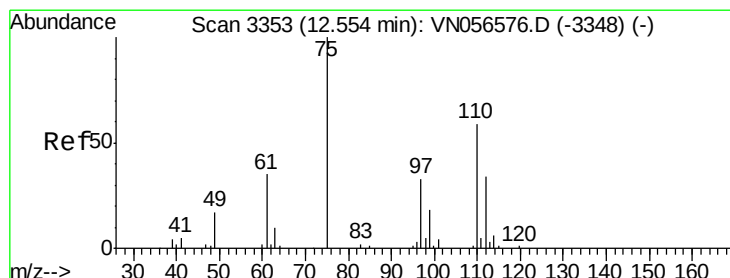
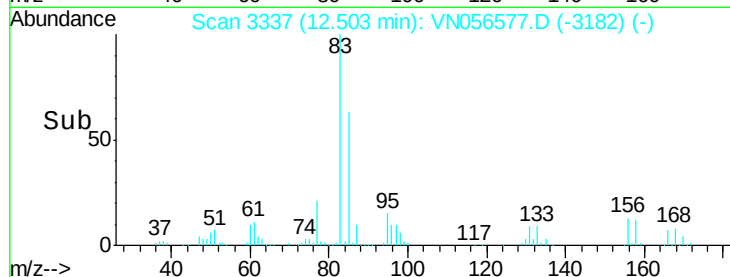
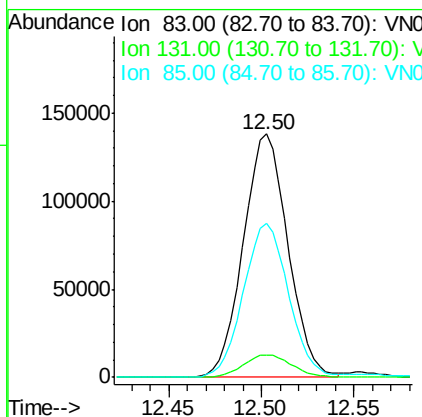
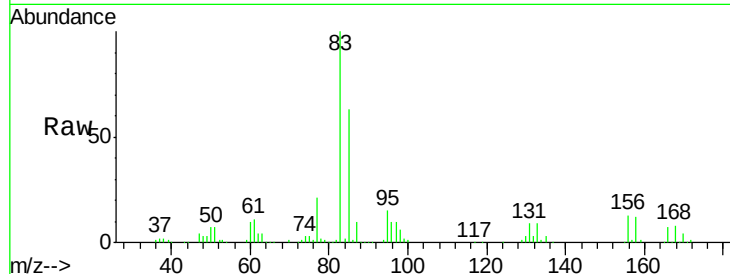
#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.093 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	83	Resp	232507
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.2	15.6
85	63.8	31.6	94.7

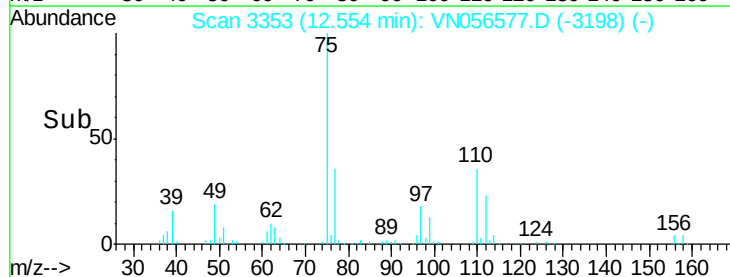
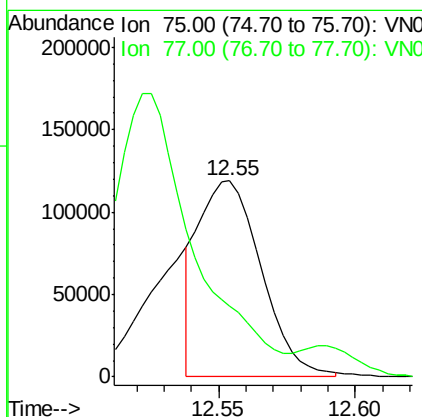
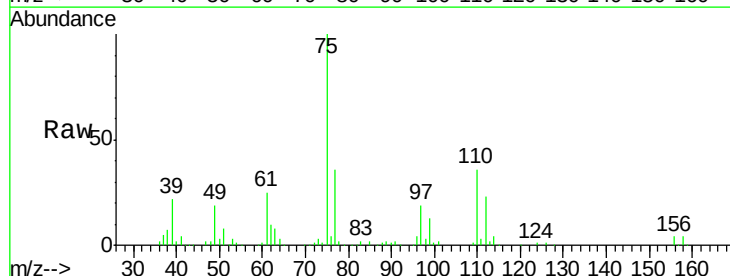
Manual Integrations
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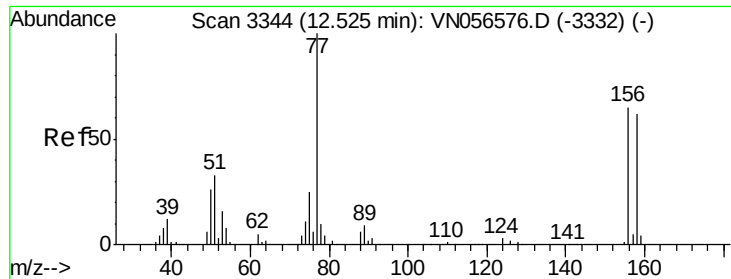
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#72
 1,2,3-Trichloropropane
 Concen: 45.080 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	75	Resp	189758
Ion Ratio	100	Lower	Upper
75	100		
77	188.5	0.0	350.0





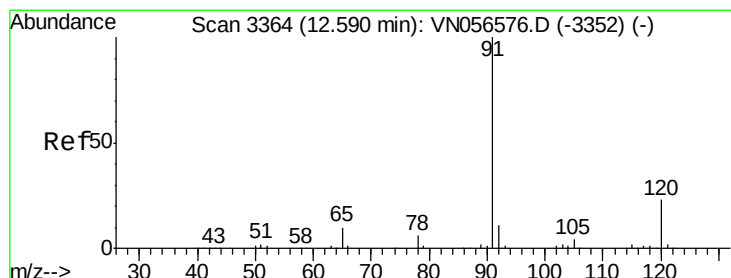
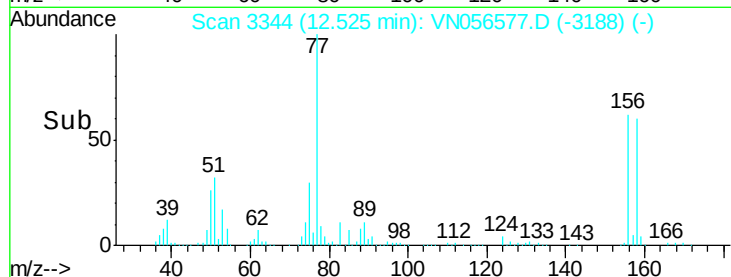
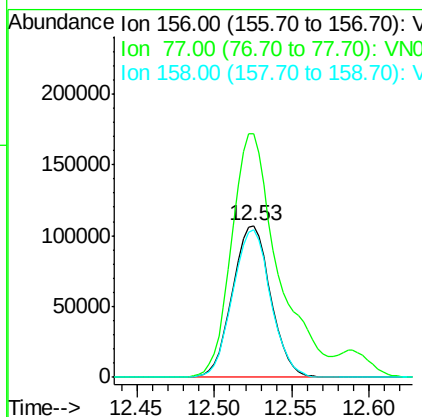
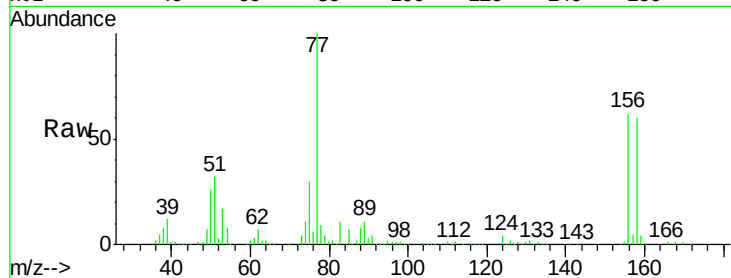
#73
Bromobenzene
Concen: 50.773 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	184392		
77	193.9	0.0	350.8	
158	96.6	0.0	193.2	

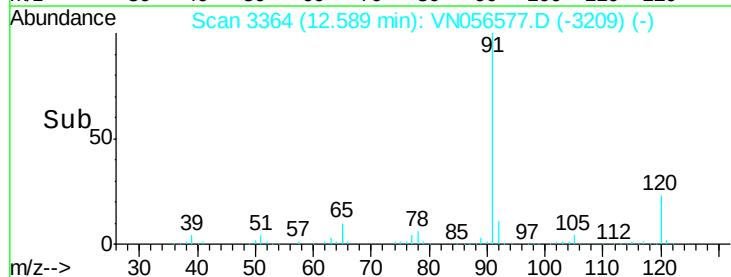
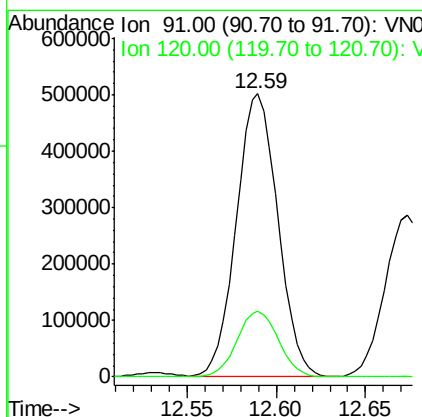
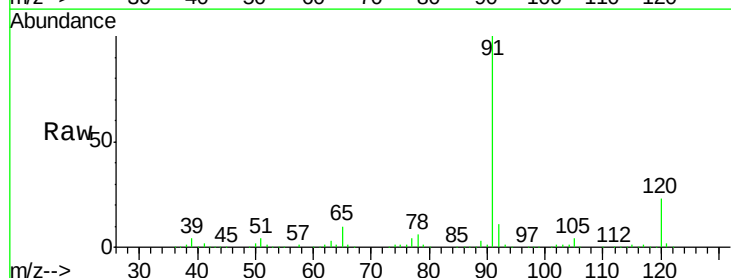
Manual Integrations
APPROVED

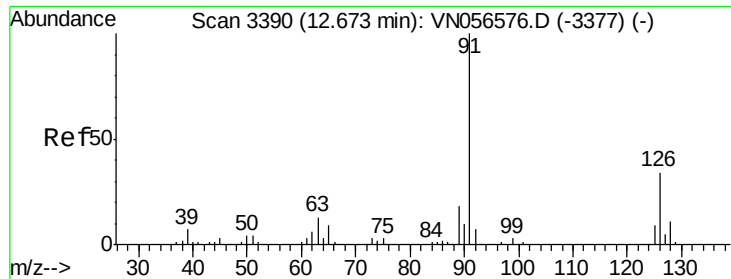
MMDadoda
7/8/2019 10:04:51 AM



#74
n-propylbenzene
Concen: 51.880 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	813900		
120	23.2	0.0	48.6	





#75

2-Chlorotoluene

Concen: 49.703 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 481657

Ion Ratio Lower Upper

91 100

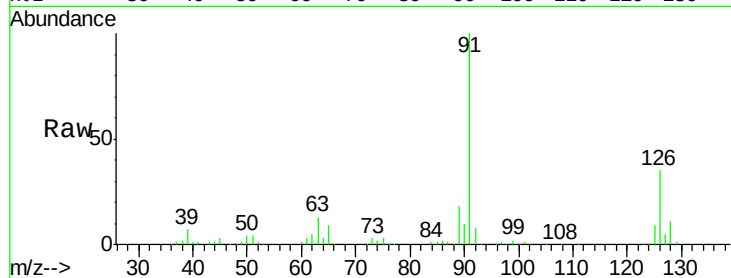
126 34.9 0.0 72.4

Manual Integrations

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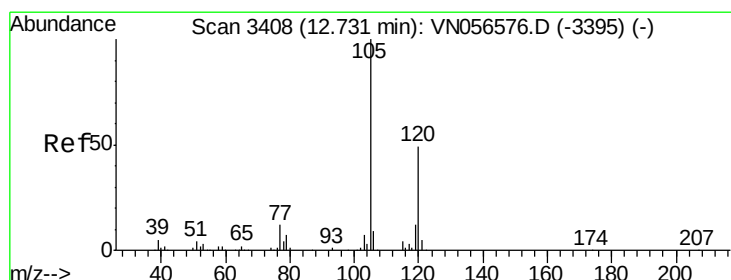
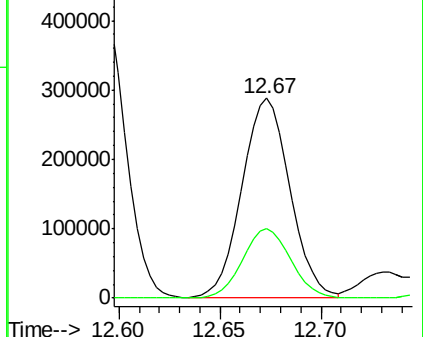
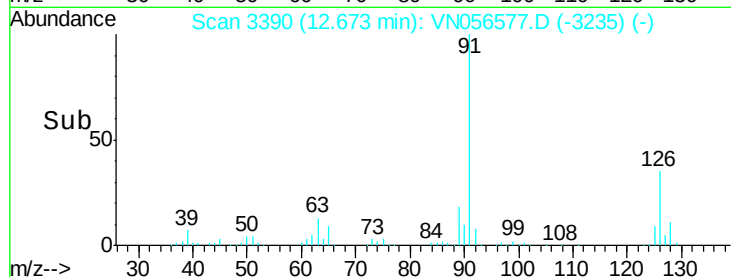
MMDadoda

7/8/2019 10:04:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056577.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN056577.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 49.744 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056577.D

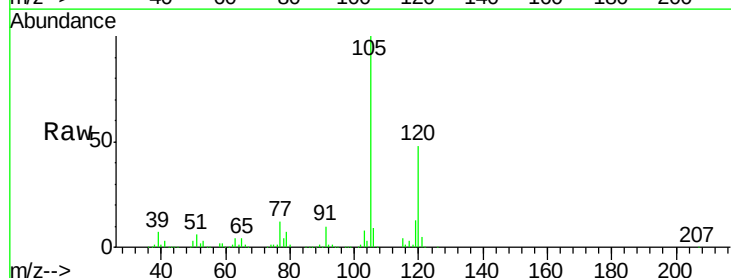
Acq: 3 Jul 2019 9:56

Tgt Ion: 105 Resp: 599189

Ion Ratio Lower Upper

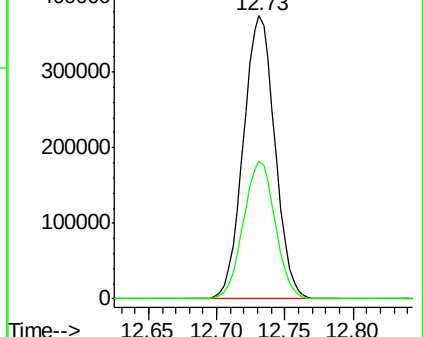
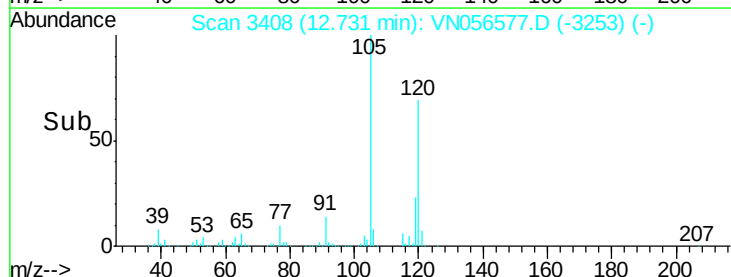
105 100

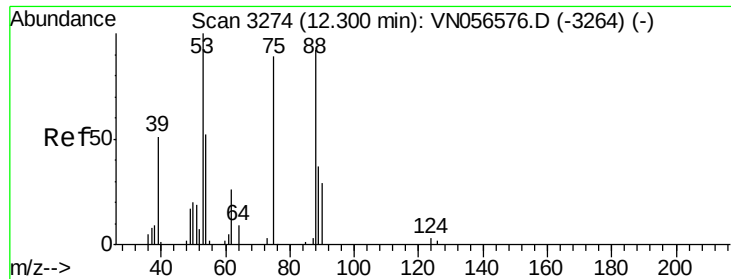
120 49.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056577.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN056577.D (-3253) (-)





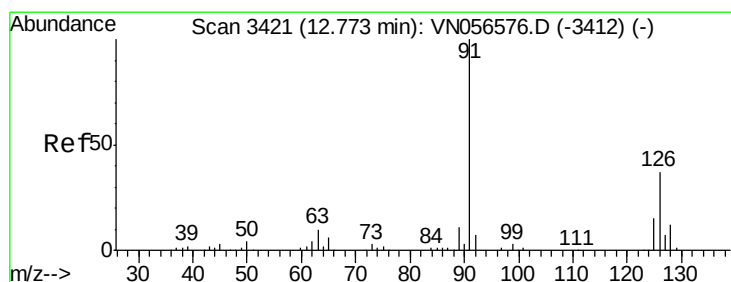
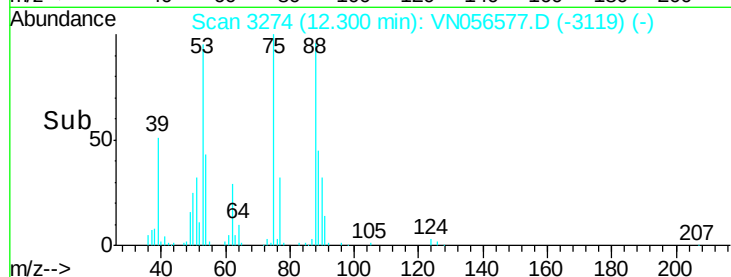
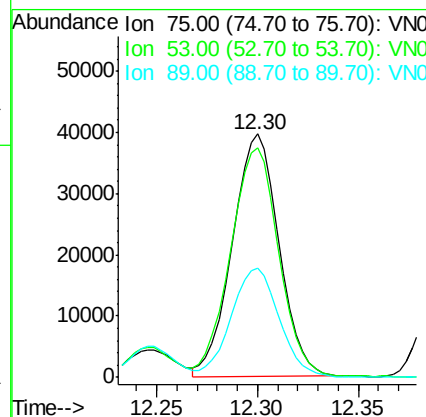
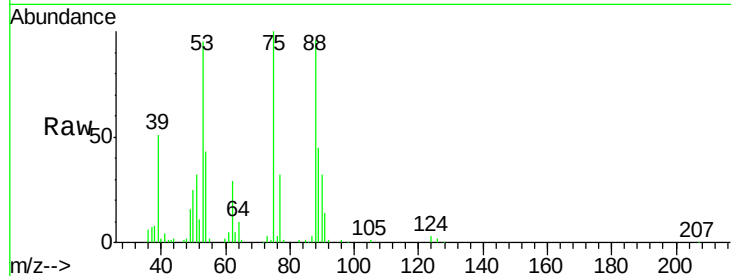
#77
t-1,4-Dichloro-2-butene
Concen: 62.168 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	48.0	144.0
89	45.1	22.5	67.5

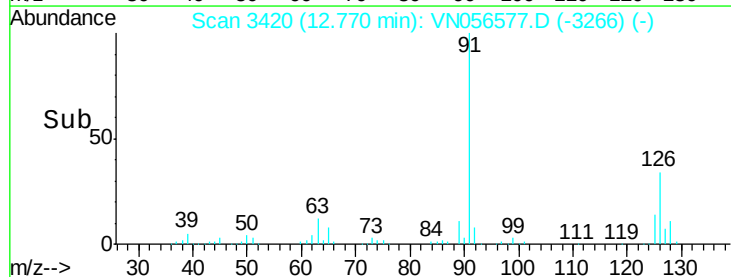
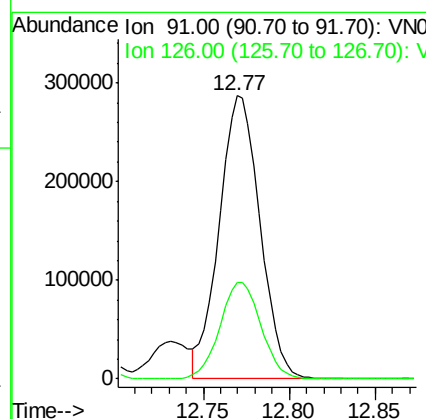
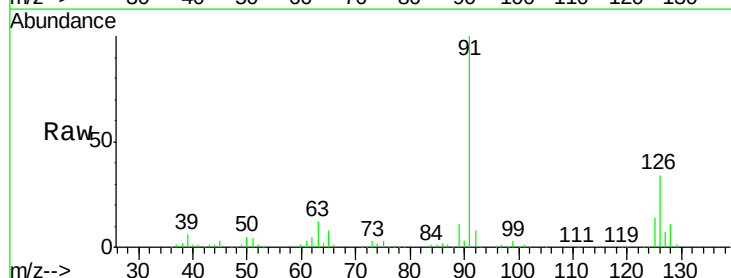
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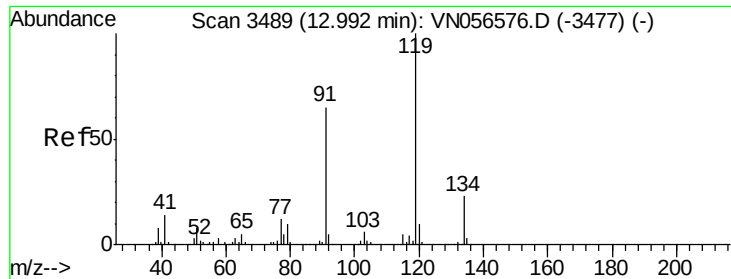
MMDadoda
7/8/2019 10:04:51 AM



#78
4-Chlorotoluene
Concen: 52.773 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	71.8





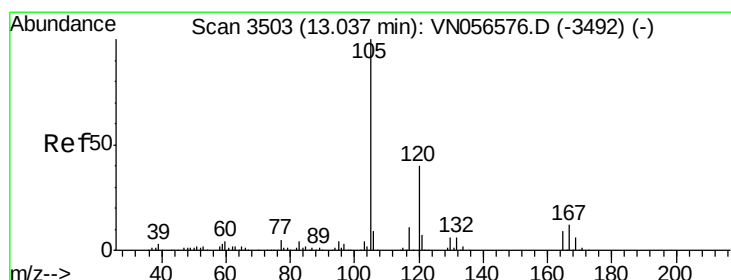
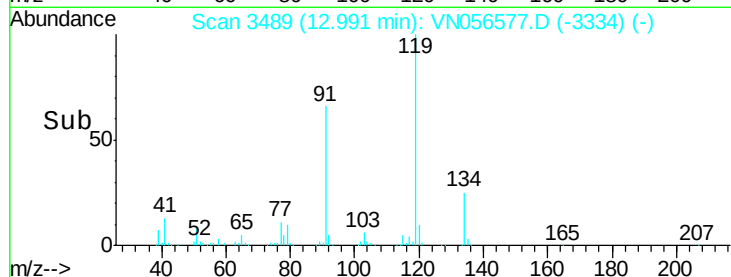
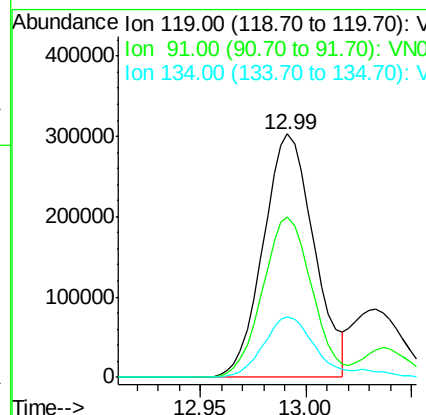
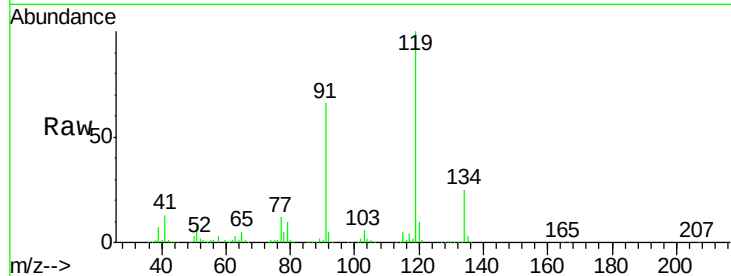
#79
tert-butylbenzene
Concen: 48.550 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	508519		
91	64.0	0.0	122.8	
134	24.6	0.0	50.2	

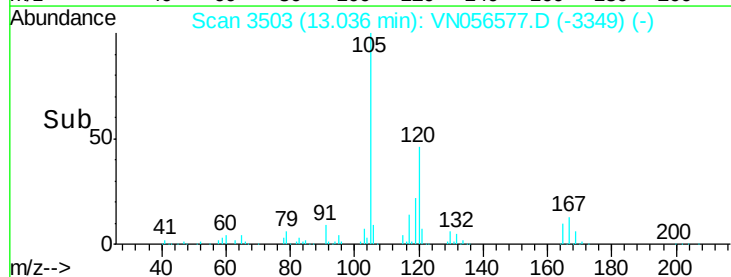
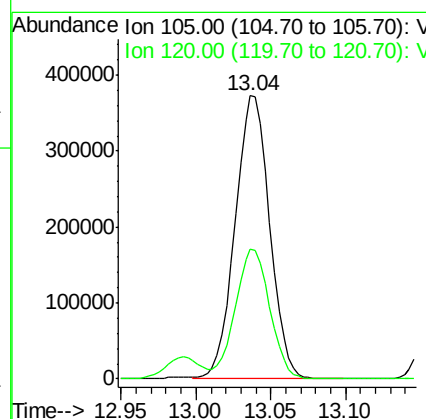
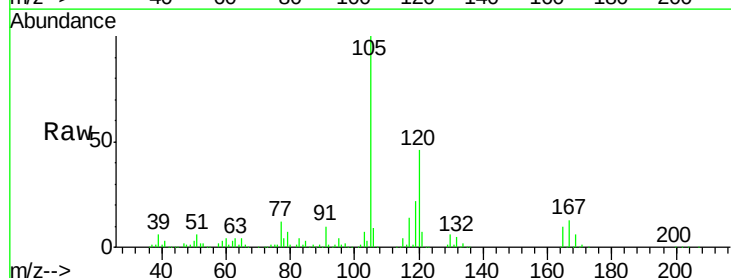
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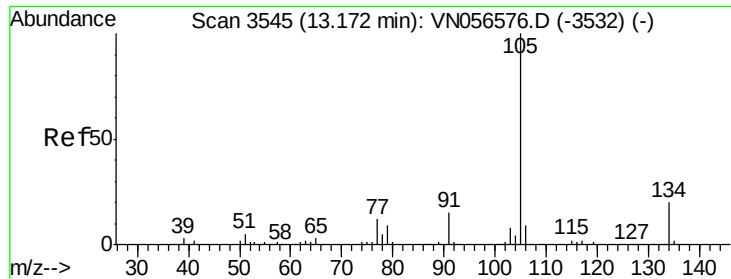
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#80
1,2,4-Trimethylbenzene
Concen: 51.583 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	599163		
120	46.1	0.0	93.4	





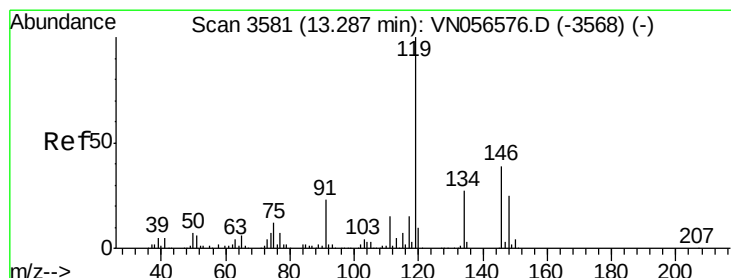
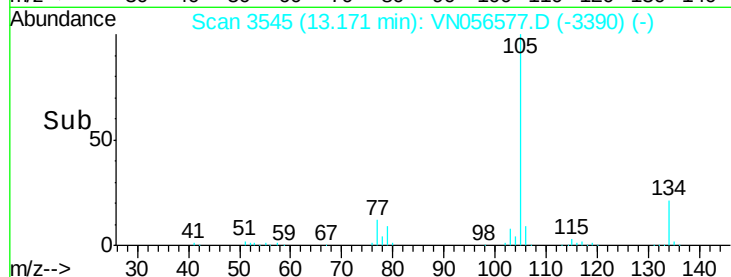
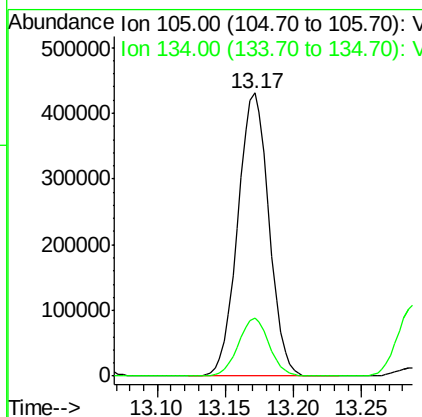
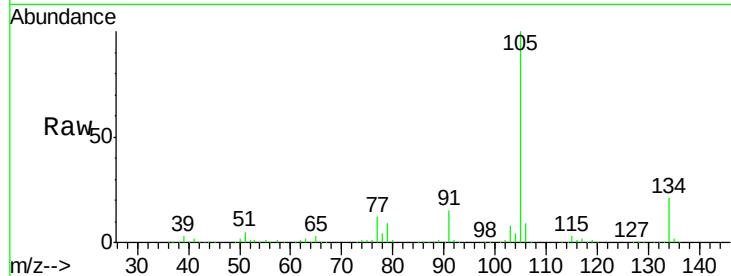
#81
 sec-Butylbenzene
 Concen: 50.560 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Tot Ion:105 Resp: 682473
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 41.8

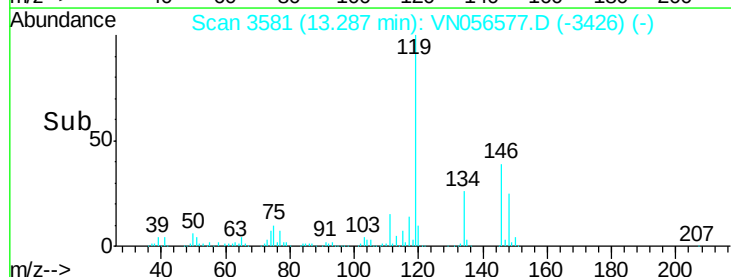
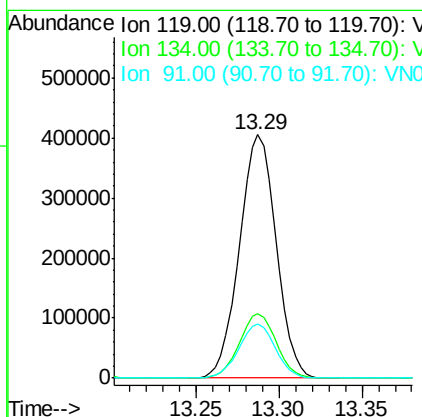
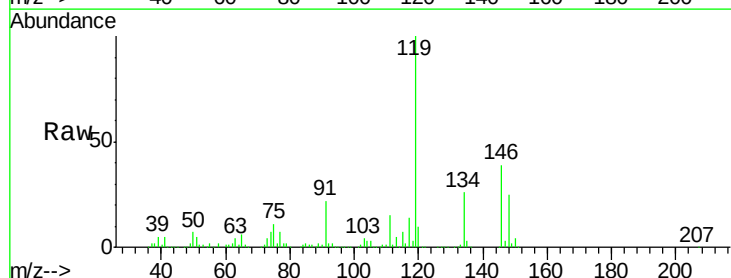
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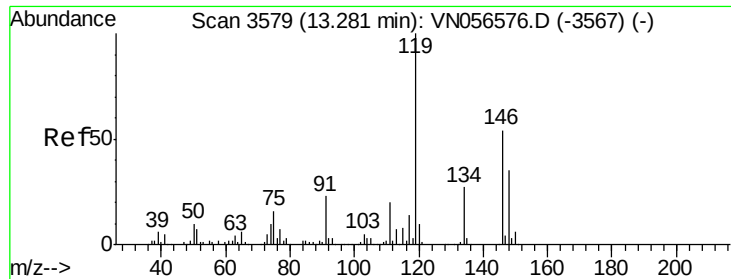
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#82
 p-Isopropyltoluene
 Concen: 53.117 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion:119 Resp: 623057
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.4
 91 22.3 0.0 43.0





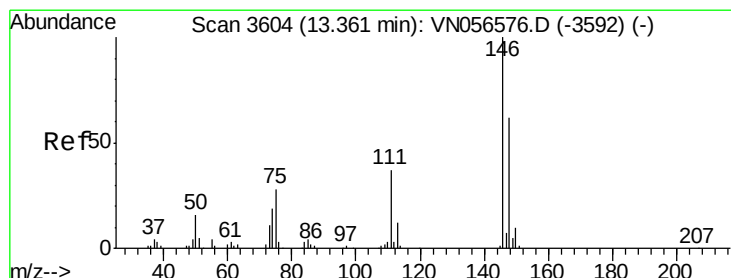
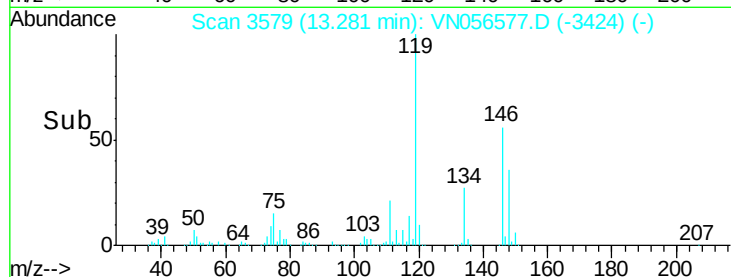
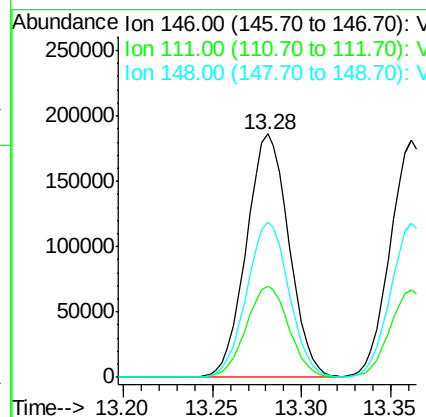
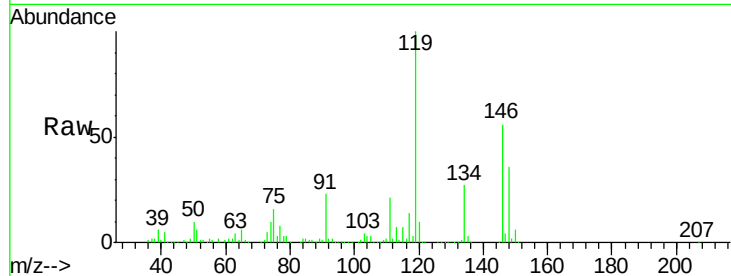
#83
 1,3-Dichlorobenzene
 Concen: 54.693 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.6	18.2	54.6	
148	63.6	31.9	95.9	

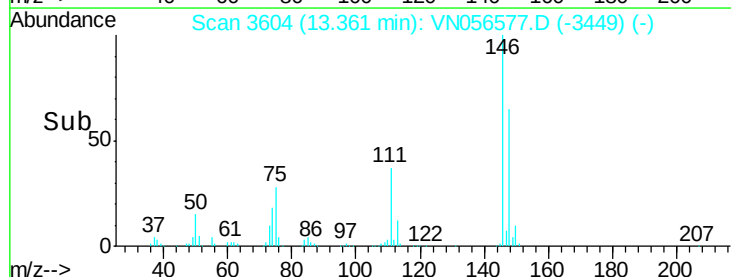
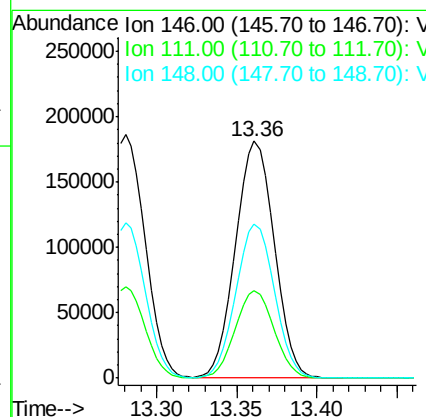
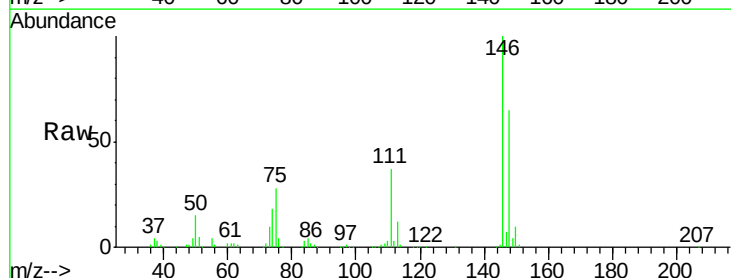
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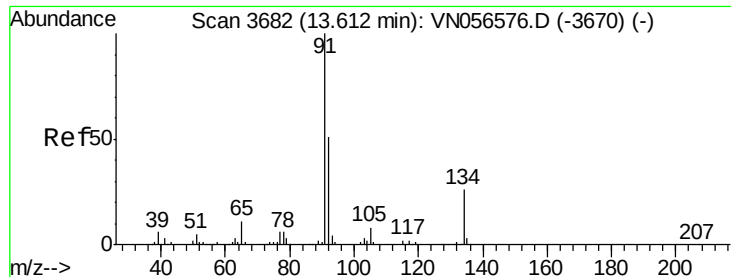
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#84
 1,4-Dichlorobenzene
 Concen: 56.061 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.9	17.6	52.9	
148	64.9	32.1	96.3	





#85

n-Butylbenzene

Concen: 57.395 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Instrument :

MSVOA_N

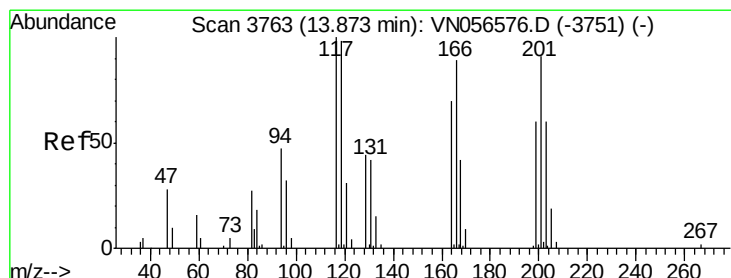
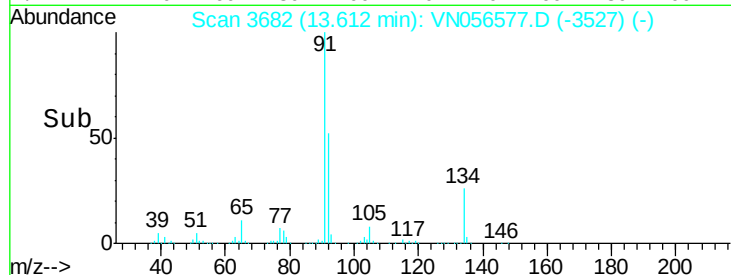
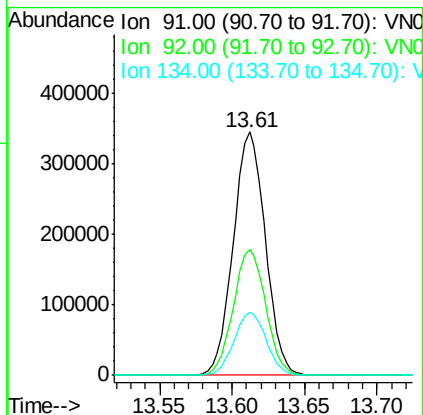
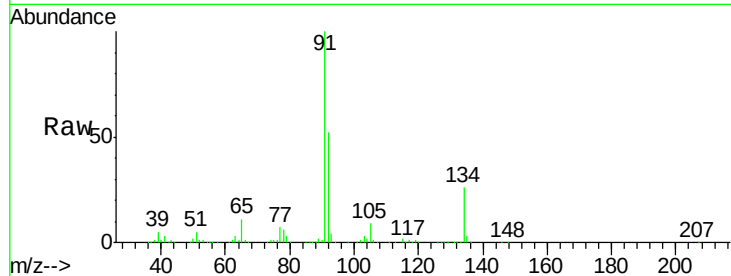
ClientSampled :

VSTDIC050

Tot Ion:	91	Resp:	530620
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	107.2
134	26.0	0.0	55.8

Manual Integrations
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#86

Hexachloroethane

Concen: 55.385 ug/l

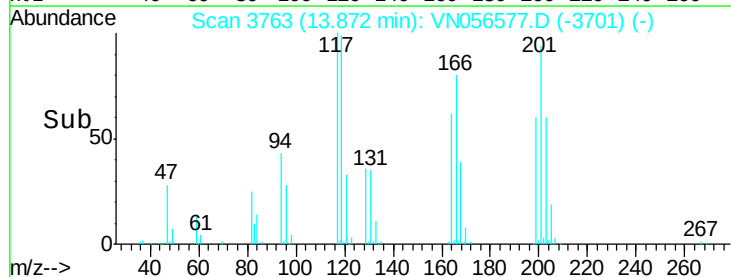
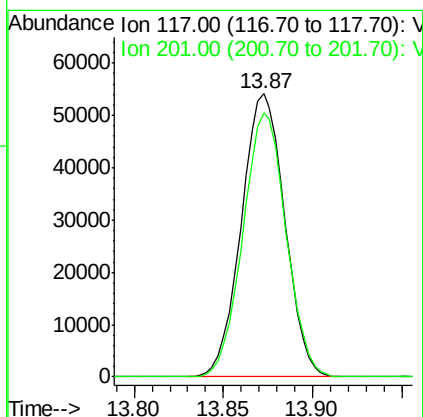
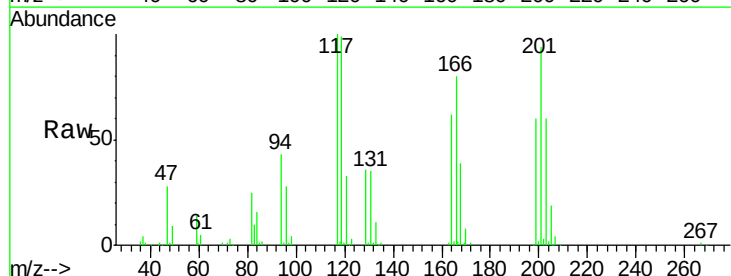
RT: 13.87 min Scan# 3763

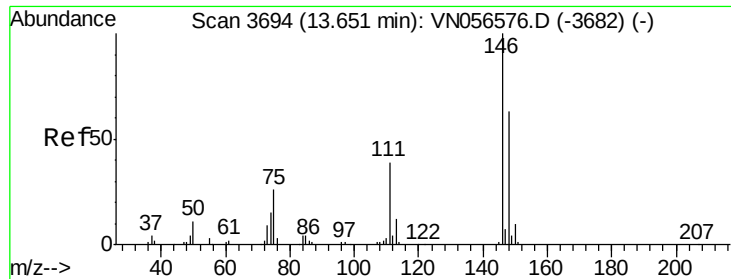
Delta R.T. -0.00 min

Lab File: VN056577.D

Acq: 3 Jul 2019 9:56

Tgt Ion:	117	Resp:	91964
Ion	Ratio	Lower	Upper
117	100		
201	92.5	48.1	144.4





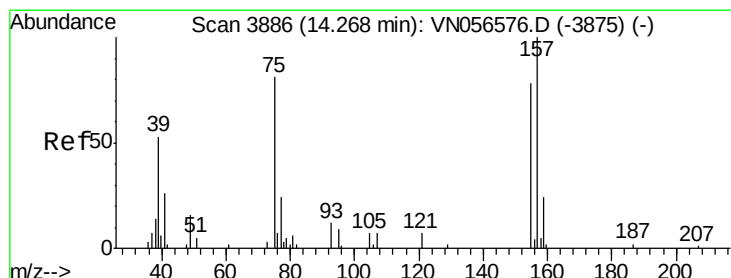
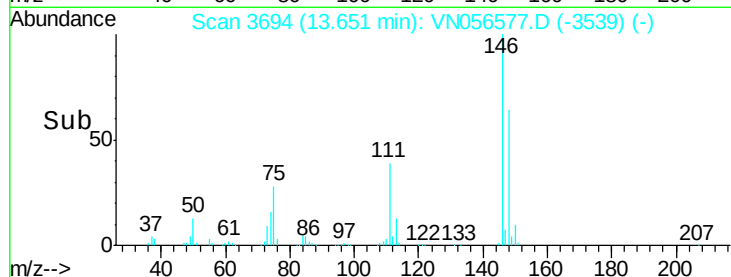
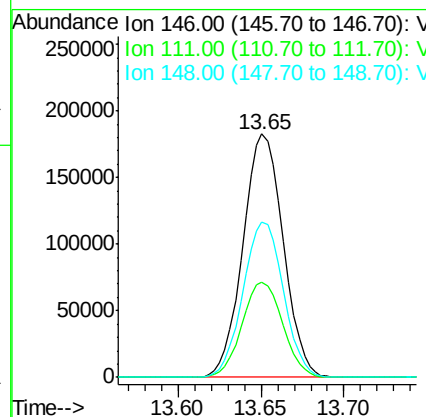
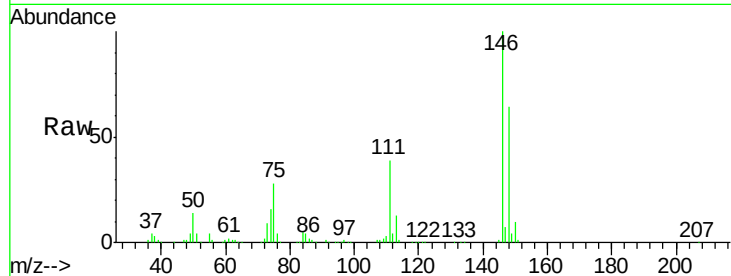
#87
 1,2-Dichlorobenzene
 Concen: 51.716 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.0	32.6	97.8

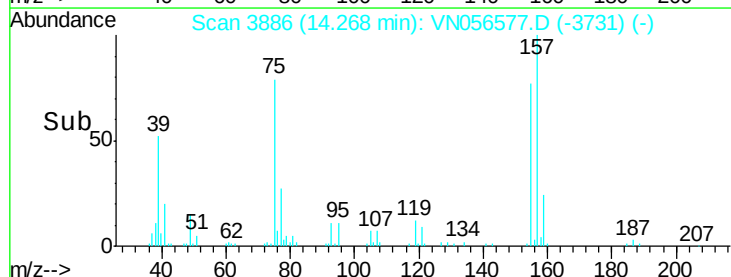
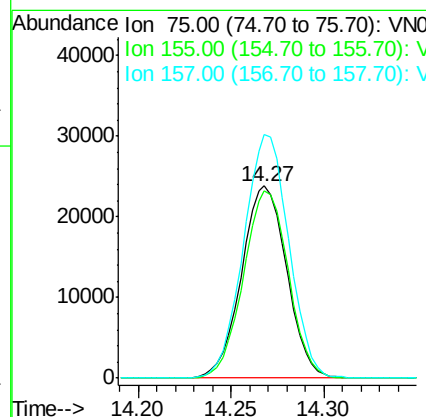
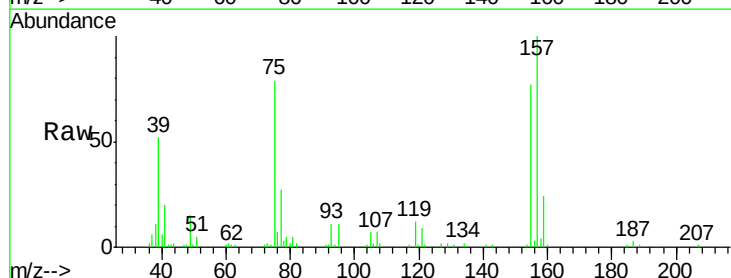
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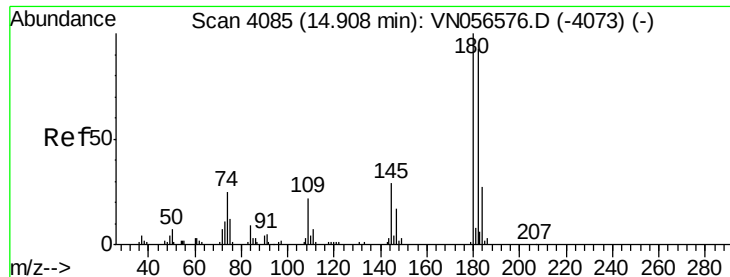
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 52.493 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	82.5	123.7
157	126.8	105.1	157.7





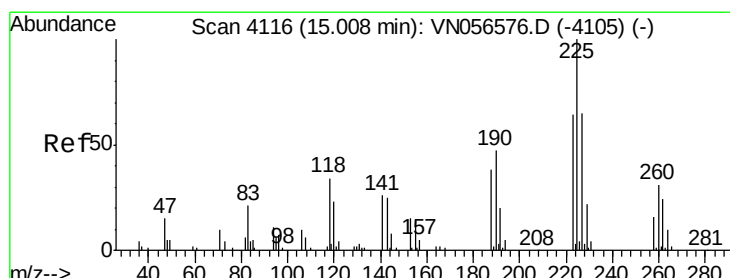
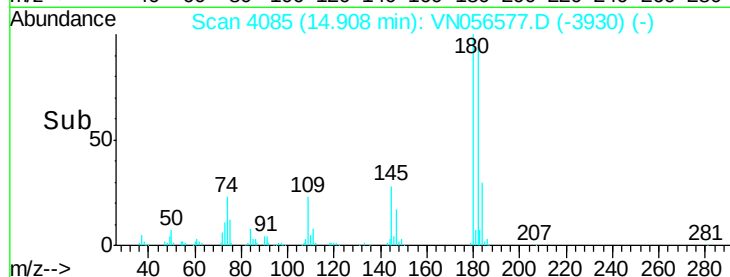
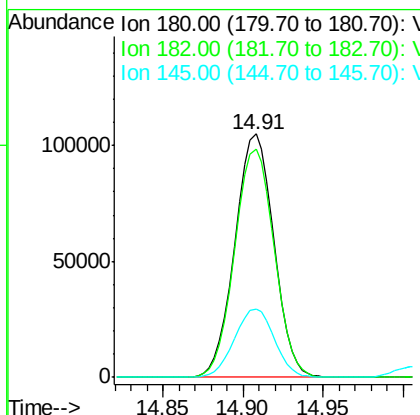
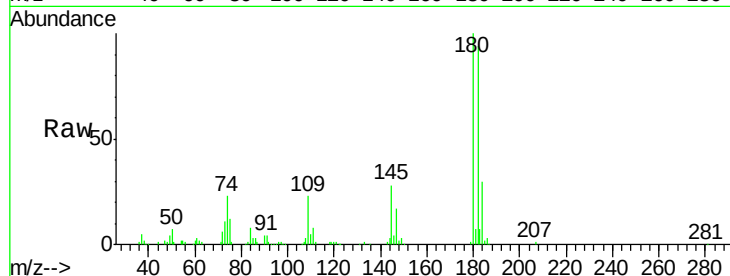
#89
 1,2,4-Trichlorobenzene
 Concen: 66.570 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173885		
182	95.4	75.0	112.6	
145	28.8	22.1	33.1	

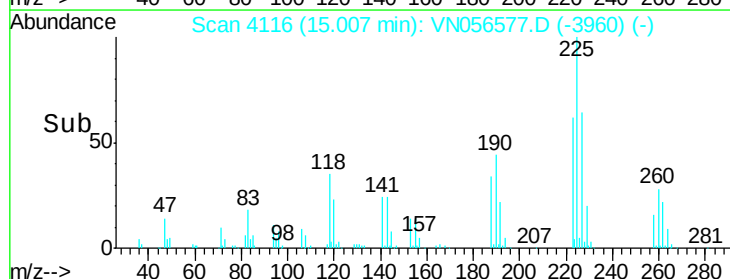
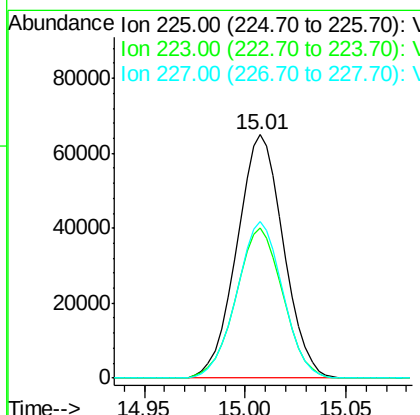
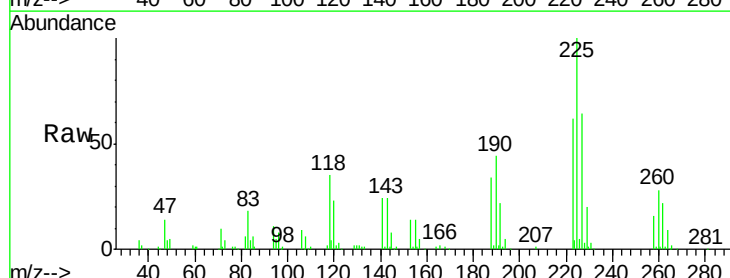
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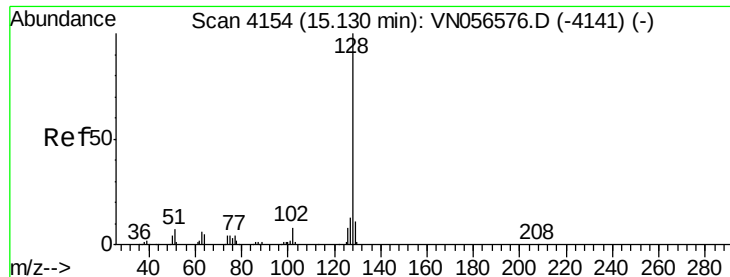
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#90
 Hexachlorobutadiene
 Concen: 49.943 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056577.D
 Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105206		
223	62.1	0.0	125.6	
227	63.4	0.0	128.6	





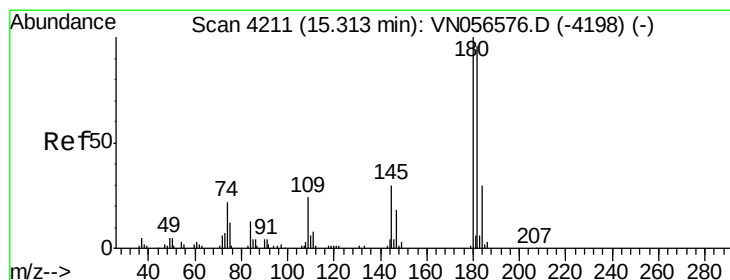
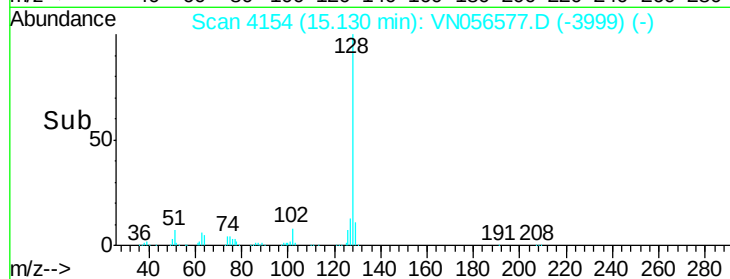
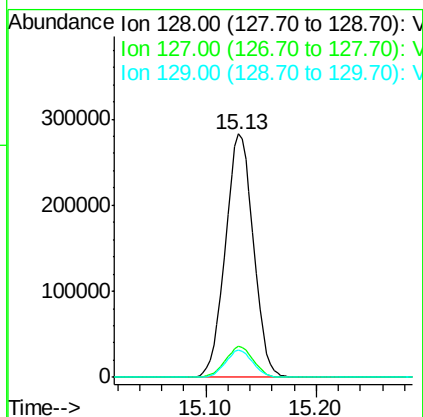
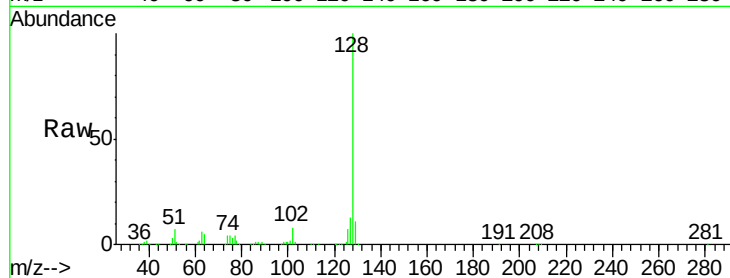
#91
Naphthalene
Concen: 68.510 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	496981		
127	12.8	10.4	15.6	
129	10.9	8.7	13.1	

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#92
1,2,3-Trichlorobenzene
Concen: 62.012 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056577.D
Acq: 3 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	182999		
182	95.2	0.0	193.4	
145	30.6	0.0	59.8	

