

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:29 PM

Quant Time: Sep 19 02:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	573329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	965146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	445226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	813337	74.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.52%	
35) Dibromofluoromethane	7.57	113	592751	71.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.24%	
50) Toluene-d8	10.08	98	2286362	71.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.00%	
62) 4-Bromofluorobenzene	12.40	95	875741	70.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	447308	61.069	ug/l	97
3) Chloromethane	2.04	50	356419	48.020	ug/l	99
4) Vinyl Chloride	2.17	62	391441	49.887	ug/l	98
5) Bromomethane	2.54	94	206888m	44.622	ug/l	
6) Chloroethane	2.68	64	249532	49.641	ug/l	99
7) Trichlorofluoromethane	3.00	101	577509	57.858	ug/l	99
8) Diethyl Ether	3.39	74	274226	64.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	427769	67.071	ug/l	100
10) Methyl Iodide	3.93	142	406327	60.093	ug/l	98
11) Tert butyl alcohol	4.76	59	488502	377.476	ug/l	99
12) 1,1-Dichloroethene	3.72	96	350747	61.330	ug/l	98
13) Acrolein	3.59	56	68963	70.475	ug/l	99
14) Allyl chloride	4.30	41	742533	66.023	ug/l	99
15) Acrylonitrile	4.96	53	1304082	358.795	ug/l	100
16) Acetone	3.79	43	1310306	366.759	ug/l	99
17) Carbon Disulfide	4.03	76	483355	46.363	ug/l	99
18) Methyl Acetate	4.30	43	681247	71.249	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1751959	73.215	ug/l	99
20) Methylene Chloride	4.53	84	471336	60.695	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	384944	62.263	ug/l	97
22) Diisopropyl ether	5.93	45	1915922	72.648	ug/l	99
23) Vinyl Acetate	5.87	43	6574189	353.785	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	994118	69.070	ug/l	99
25) 2-Butanone	6.81	43	1916318	370.320	ug/l	98
26) 2,2-Dichloropropane	6.80	77	862792	75.538	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	558253	67.048	ug/l	98
28) Bromochloromethane	7.18	49	487571	67.833	ug/l #	99
29) Tetrahydrofuran	7.19	42	1131763	354.892	ug/l	99
30) Chloroform	7.36	83	1061556	70.348	ug/l	99
31) Cyclohexane	7.64	56	646500	60.978	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	858922	71.821	ug/l	100
36) 1,1-Dichloropropene	7.78	75	635672	60.605	ug/l	99
37) Ethyl Acetate	6.91	43	721624	66.375	ug/l	99
38) Carbon Tetrachloride	7.76	117	691341	71.891	ug/l	99

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

39) Methylcyclohexane	9.07	83	666599	60.608	ug/l	98
40) Benzene	8.03	78	2017893	63.901	ug/l	100
41) Methacrylonitrile	7.16	41	386331	78.367	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	852484	67.277	ug/l	100
43) Isopropyl Acetate	8.15	43	1322111	72.286	ug/l	100
44) Trichloroethene	8.82	130	503760	64.856	ug/l	100
45) 1,2-Dichloropropane	9.11	63	619095	67.122	ug/l	98
46) Dibromomethane	9.20	93	378469	67.976	ug/l	99
47) Bromodichloromethane	9.40	83	855171	77.134	ug/l	100
48) Methyl methacrylate	9.19	41	632971	68.611	ug/l	100
49) 1,4-Dioxane	9.19	88	199294	1271.278	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	3519386	328.857	ug/l	93
52) Toluene	10.15	92	1300349	65.451	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	921839	79.118	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968959	75.280	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	593996	70.493	ug/l	98
56) Ethyl methacrylate	10.43	69	924047	73.196	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1001992	68.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2209753	375.198	ug/l	99
59) 2-Hexanone	10.75	43	2735860	341.928	ug/l	95
60) Dibromochloromethane	10.90	129	639409	81.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	559736	70.452	ug/l	99
64) Tetrachloroethene	10.63	164	397100	64.399	ug/l	99
65) Chlorobenzene	11.43	112	1494114	68.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592228	78.203	ug/l	99
67) Ethyl Benzene	11.51	91	2557645	67.107	ug/l	94
68) m/p-Xylenes	11.62	106	1963975	140.729	ug/l	89
69) o-Xylene	11.95	106	991435	71.679	ug/l	95
70) Styrene	11.97	104	1781686	74.862	ug/l	100
71) Bromoform	12.13	173	416345	88.512	ug/l #	99
73) Isopropylbenzene	12.25	105	2664512	79.855	ug/l	96
74) N-amyl acetate	12.07	43	1260850	87.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	916726	81.649	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	765888m	79.278	ug/l	
77) Bromobenzene	12.53	156	665518	79.572	ug/l	98
78) n-propylbenzene	12.59	91	3007817	78.616	ug/l	95
79) 2-Chlorotoluene	12.68	91	1949810	80.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2335535	82.750	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	274623	100.486	ug/l	96
82) 4-Chlorotoluene	12.78	91	2063558	82.881	ug/l	98
83) tert-Butylbenzene	13.00	119	2092875	83.452	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2351206	82.197	ug/l	97
85) sec-Butylbenzene	13.18	105	2713906	81.758	ug/l	97
86) p-Isopropyltoluene	13.29	119	2476029	84.769	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	1291501	84.533	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1304176	83.806	ug/l	99
89) n-Butylbenzene	13.62	91	2387731	86.264	ug/l	95
90) Hexachloroethane	13.88	117	427564	97.874	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	1290177	84.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	182405	97.953	ug/l	99

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VSTDICC100

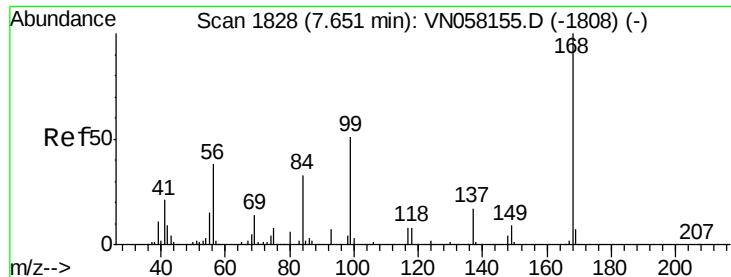
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	881756	87.193	ug/l	100
94) Hexachlorobutadiene	15.02	225	407369	93.950	ug/l	96
95) Naphthalene	15.13	128	2380092	82.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	837524	84.669	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 573329

Ion Ratio Lower Upper

168 100

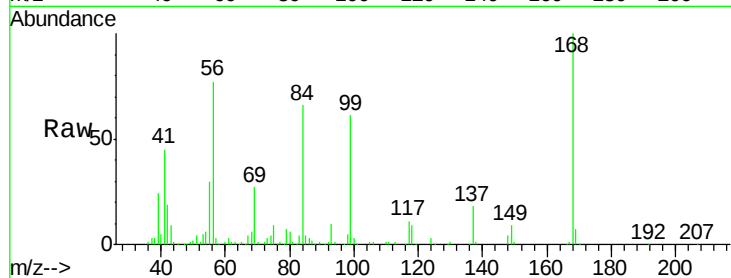
99 60.6 47.4 71.2

Manual Integrations

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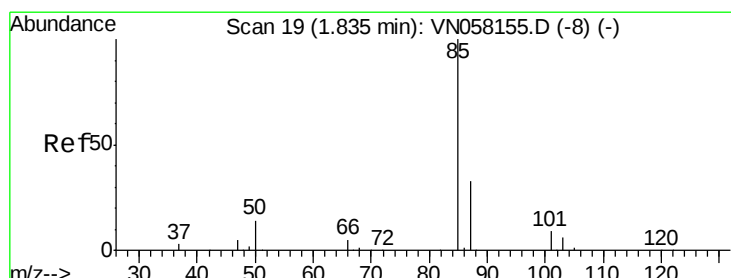
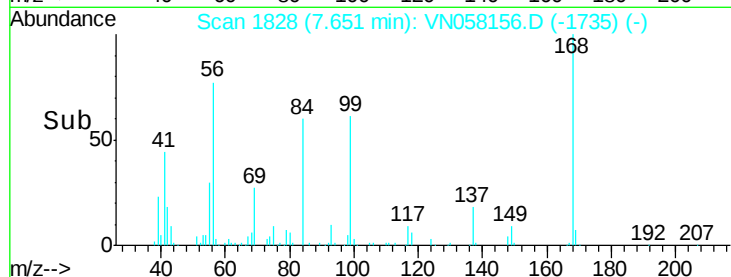
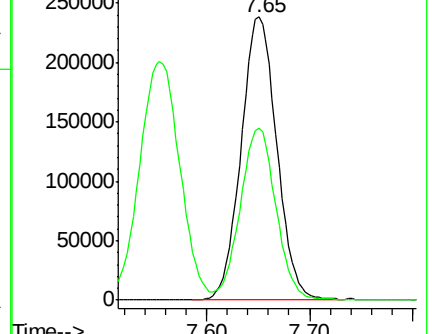
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 61.069 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058156.D

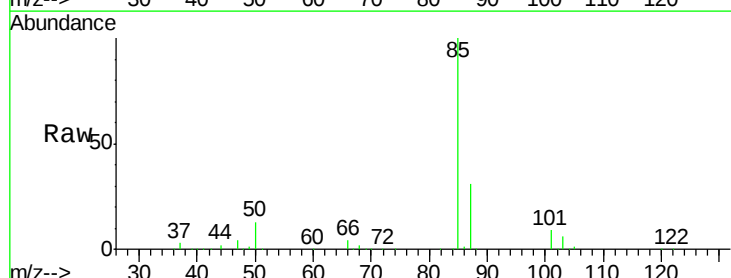
Acq: 18 Sep 2019 10:49

Tgt Ion: 85 Resp: 447308

Ion Ratio Lower Upper

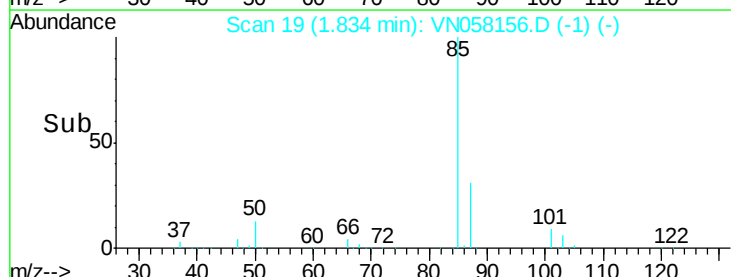
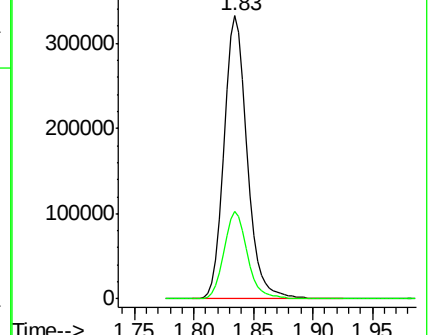
85 100

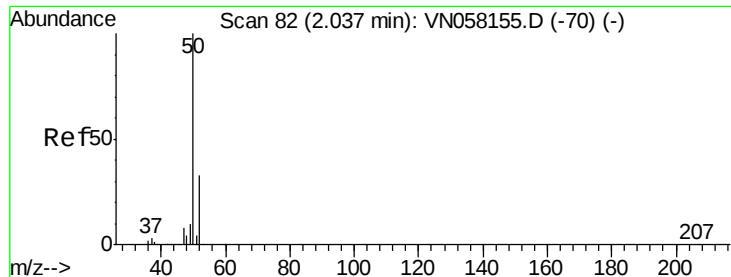
87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.020 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 356419

Ion Ratio Lower Upper

50 100

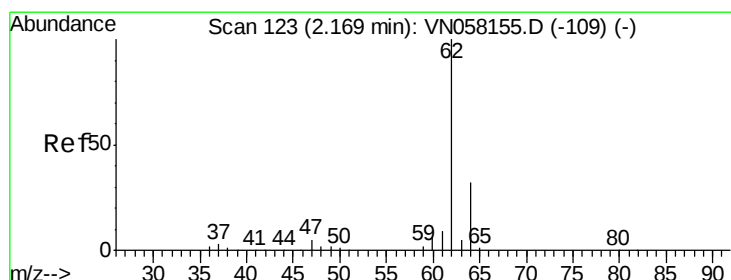
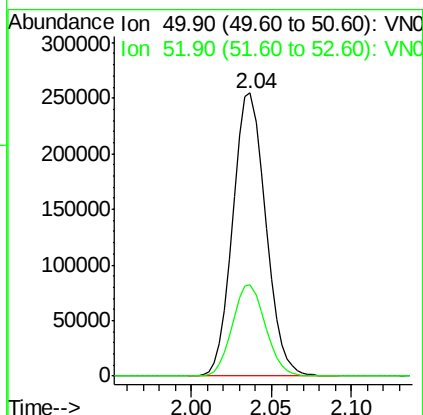
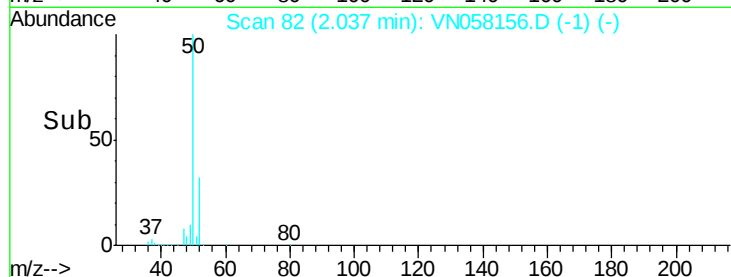
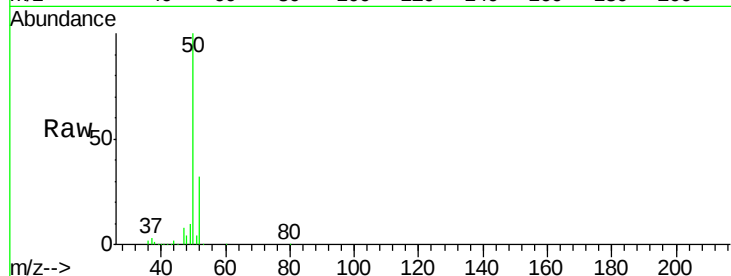
52 32.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.887 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058156.D

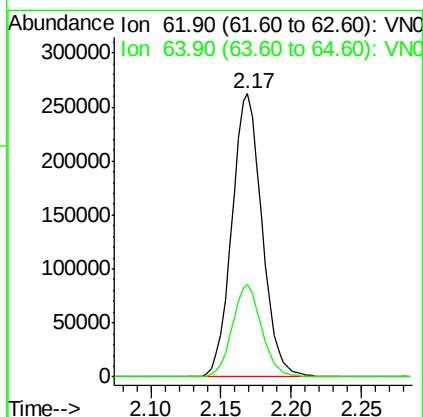
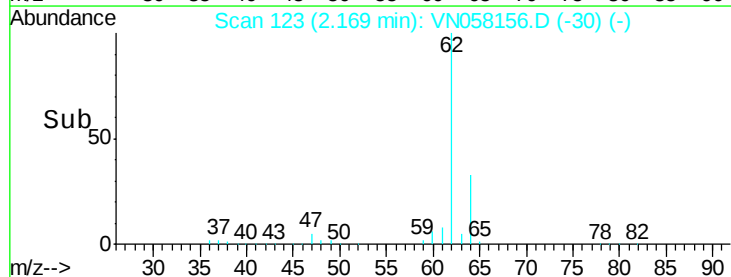
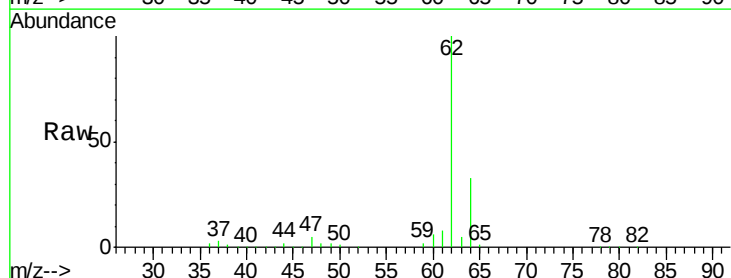
Acq: 18 Sep 2019 10:49

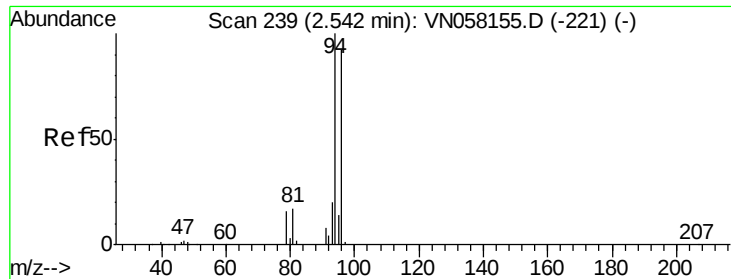
Tgt Ion: 62 Resp: 391441

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 44.622 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 206888

Ion Ratio Lower Upper

94 100

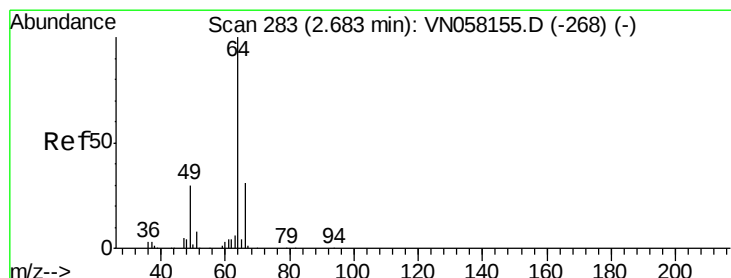
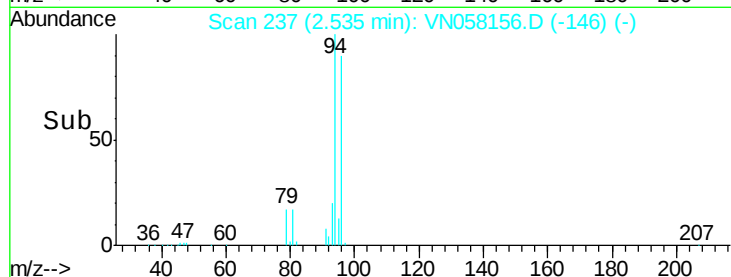
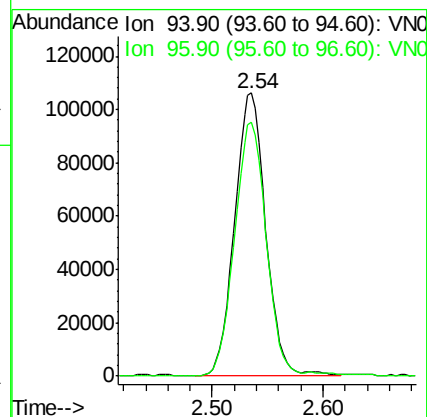
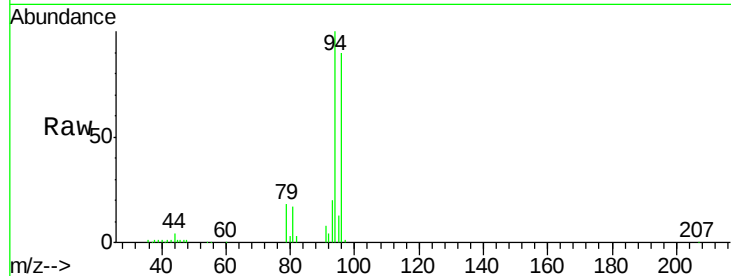
96 89.7 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 49.641 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058156.D

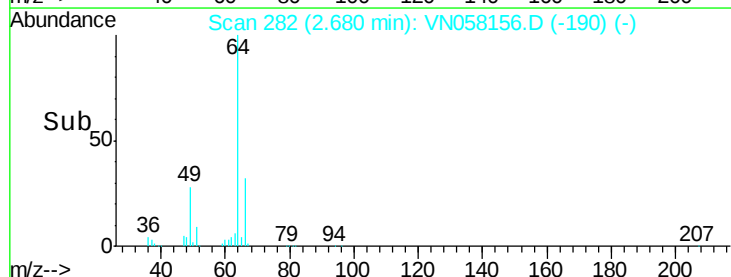
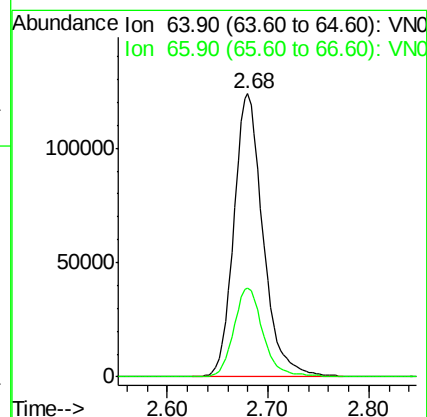
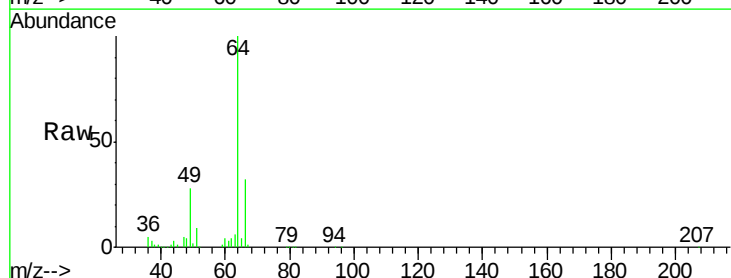
Acq: 18 Sep 2019 10:49

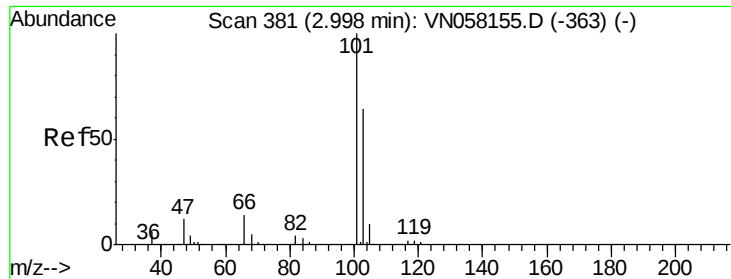
Tgt Ion: 64 Resp: 249532

Ion Ratio Lower Upper

64 100

66 31.6 24.6 37.0





#7

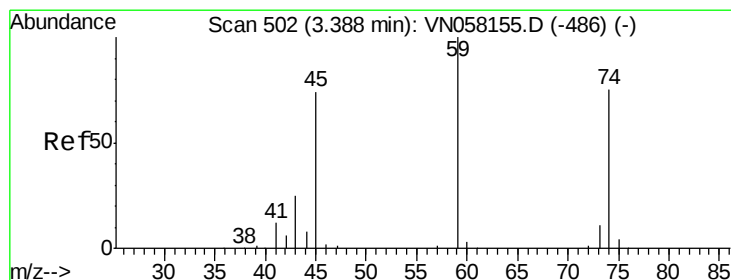
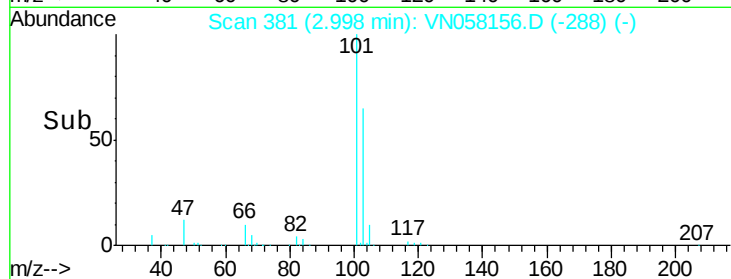
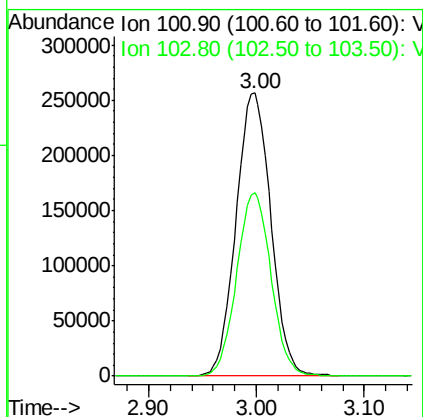
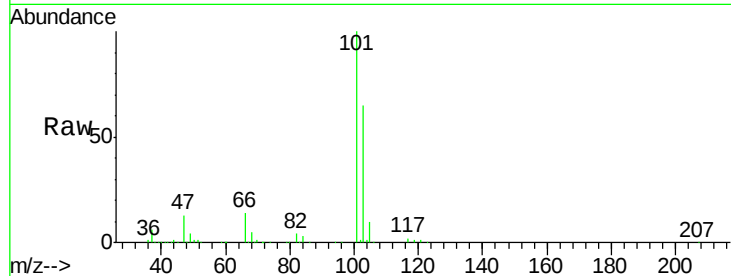
Trichlorofluoromethane
 Concen: 57.858 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

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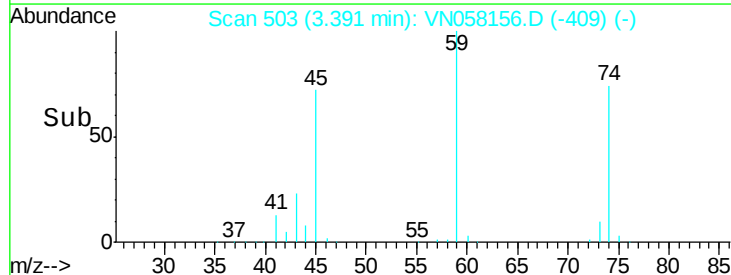
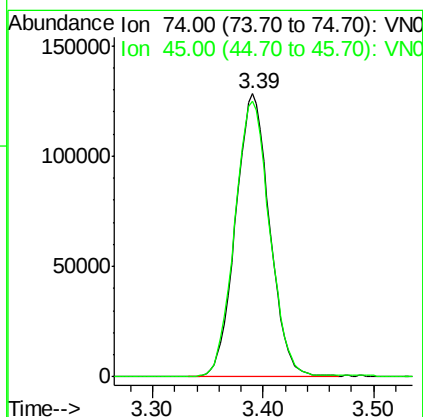
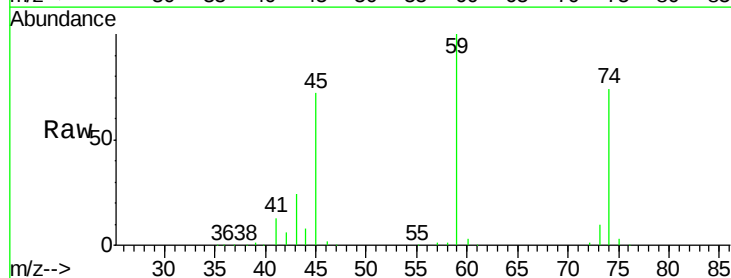
MMDadoda
 9/20/2019 1:14:29 PM

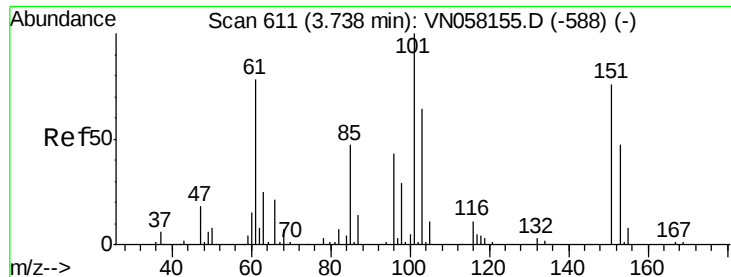


#8

Diethyl Ether
 Concen: 64.637 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.071 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

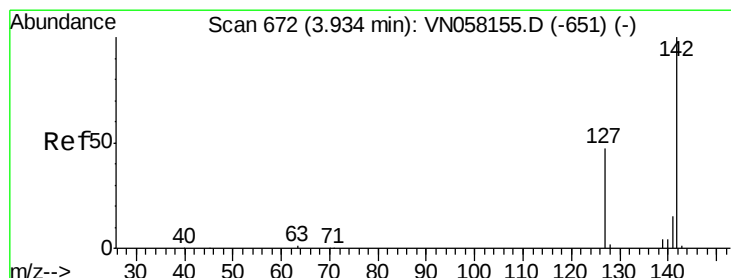
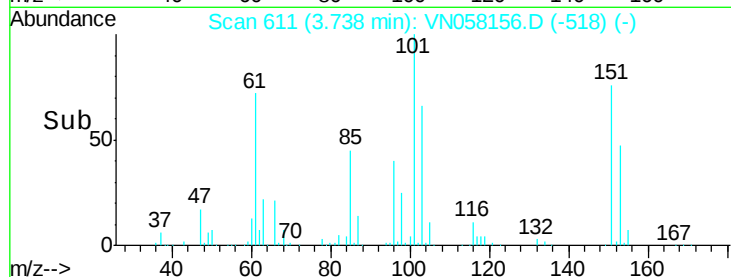
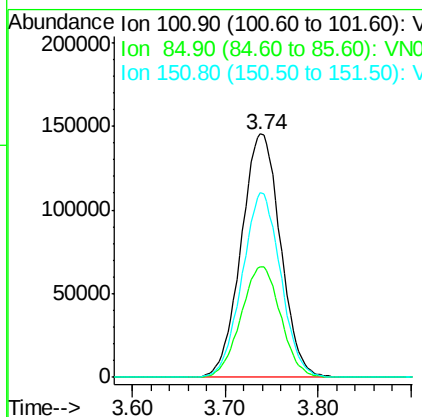
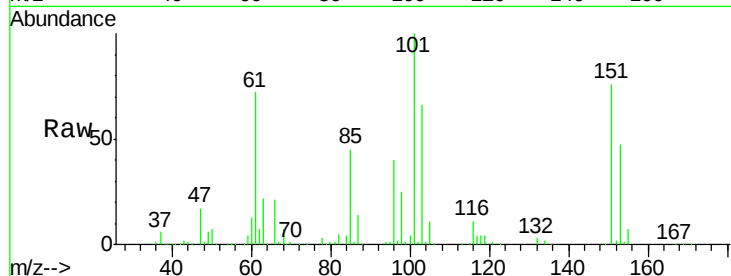
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	427769
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.3	55.9
151	74.6	59.6	89.4

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#10

Methyl Iodide

Concen: 60.093 ug/l

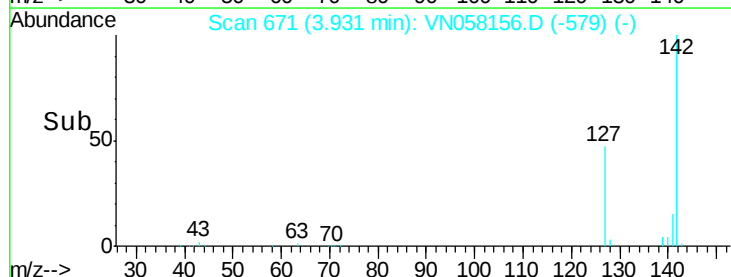
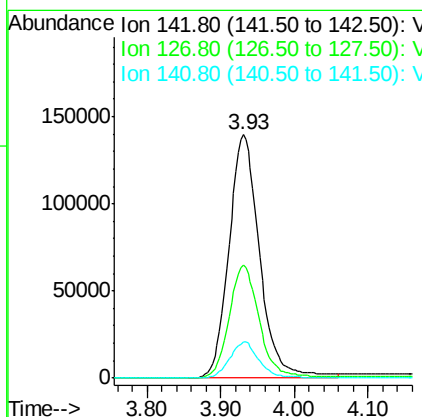
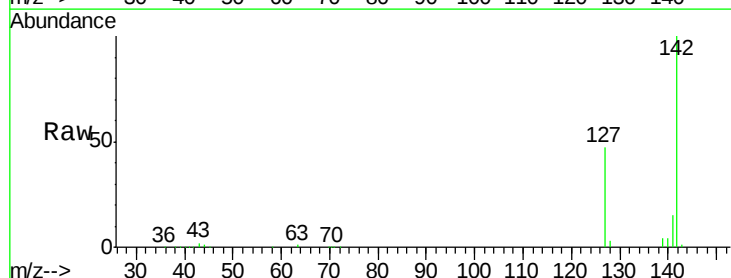
RT: 3.93 min Scan# 671

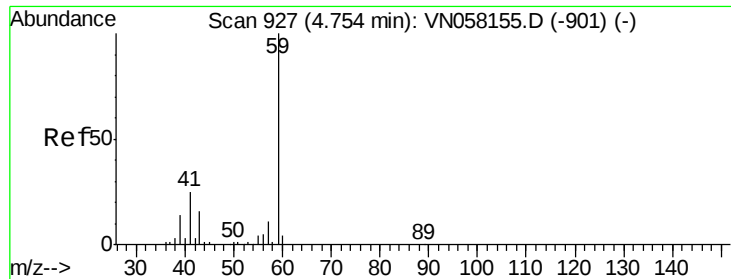
Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion:	142	Resp:	406327
Ion Ratio	Lower	Upper	
142	100		
127	45.4	37.5	56.3
141	14.2	11.4	17.2





#11

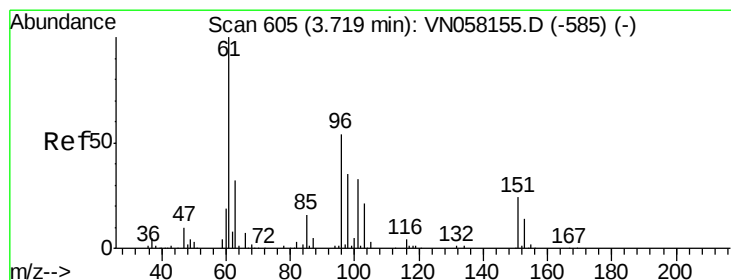
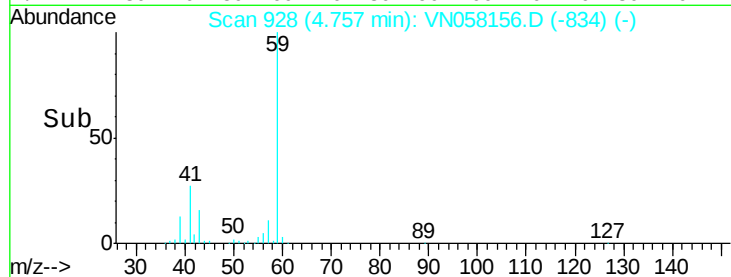
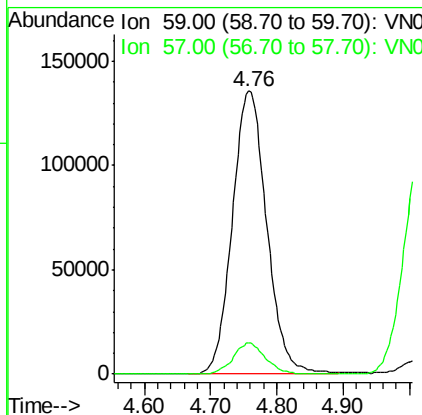
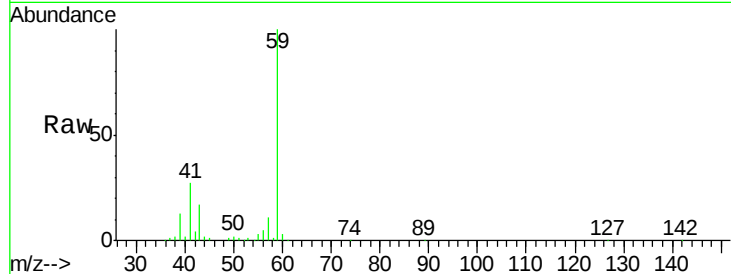
Tert butyl alcohol
 Concen: 377.476 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

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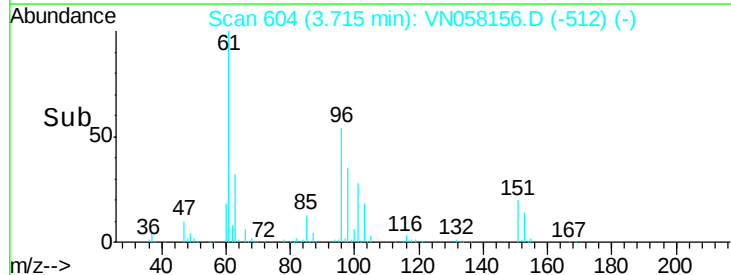
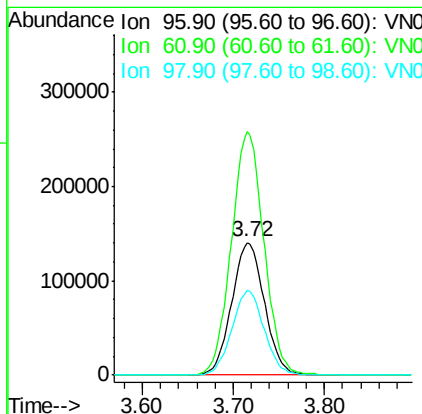
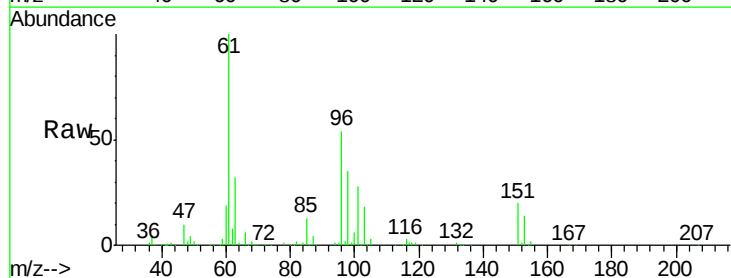
MMDadoda
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#12

1,1-Dichloroethene
 Concen: 61.330 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	149.5	224.3
98	63.7	52.4	78.6





#13

Acrolein

Concen: 70.475 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 68963

Ion Ratio Lower Upper

56 100

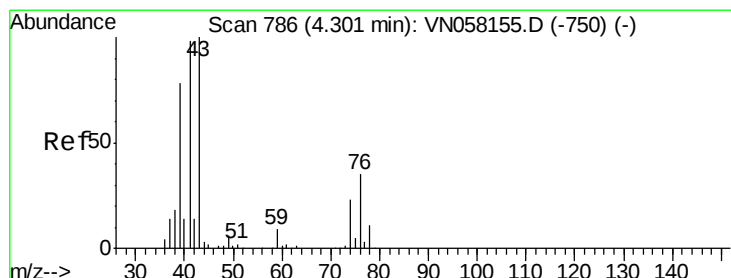
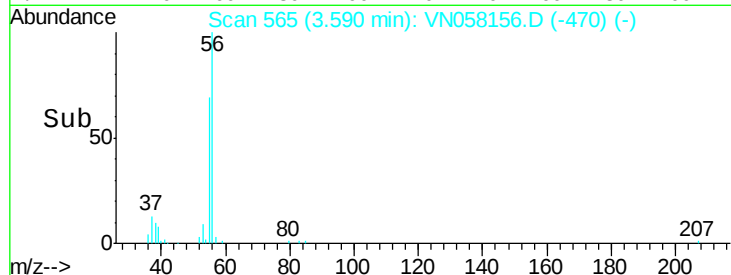
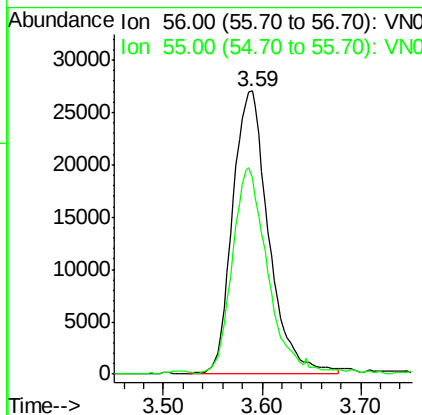
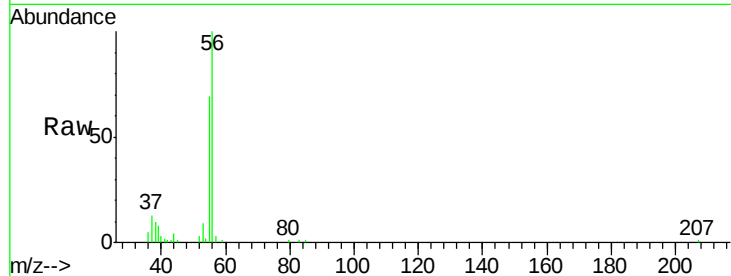
55 71.0 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 66.023 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

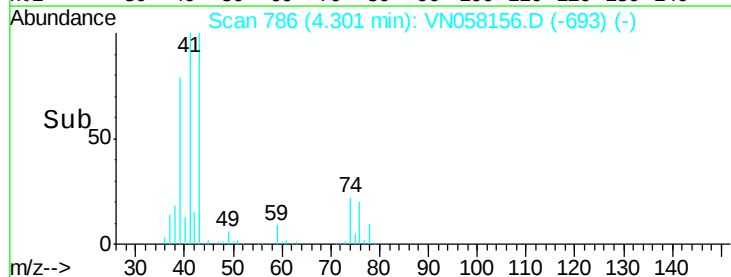
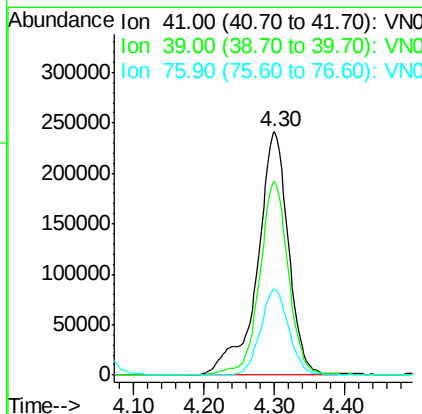
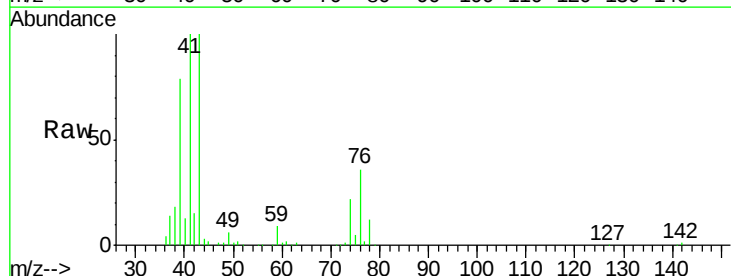
Tgt Ion: 41 Resp: 742533

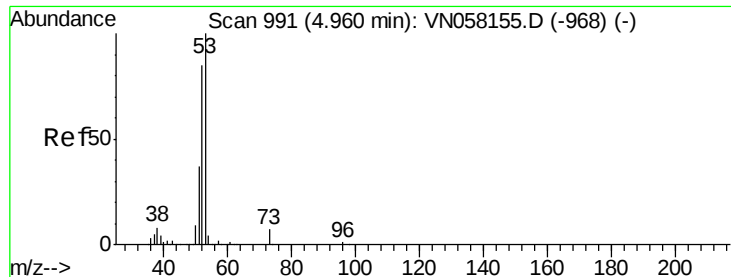
Ion Ratio Lower Upper

41 100

39 73.5 59.1 88.7

76 31.9 25.1 37.7





#15

Acrylonitrile

Concen: 358.795 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 1304082

Ion Ratio Lower Upper

53 100

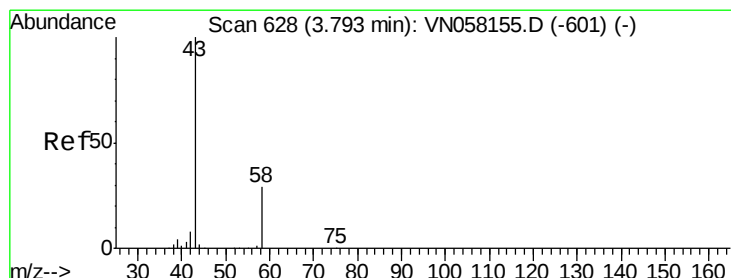
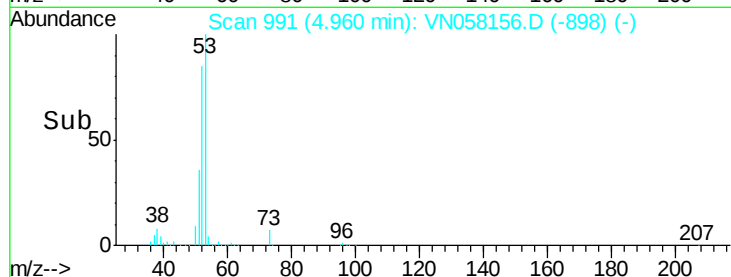
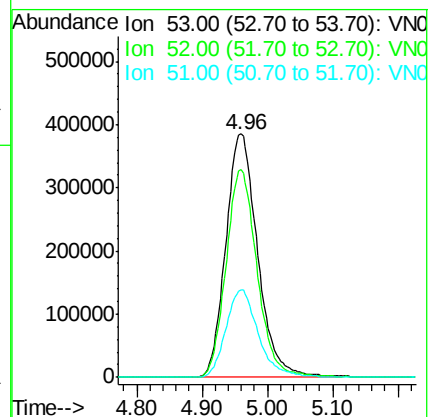
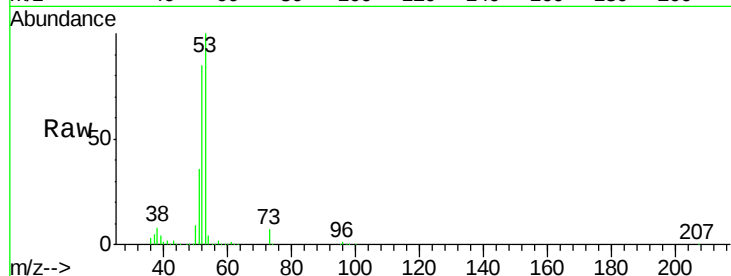
52 83.2 66.6 100.0

51 36.8 29.7 44.5

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#16

Acetone

Concen: 366.759 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058156.D

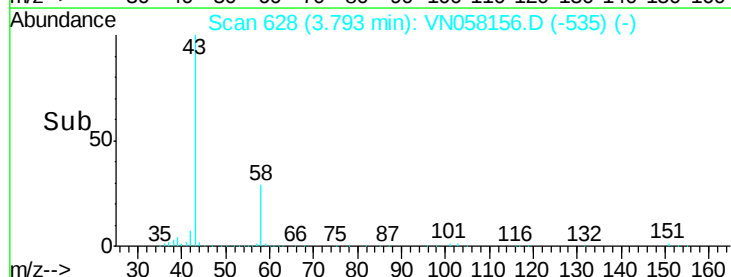
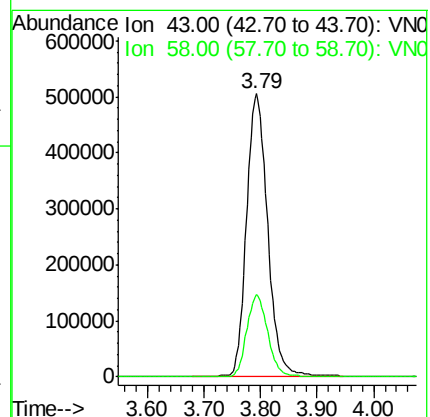
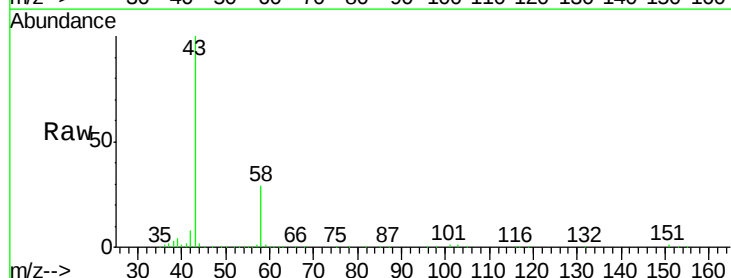
Acq: 18 Sep 2019 10:49

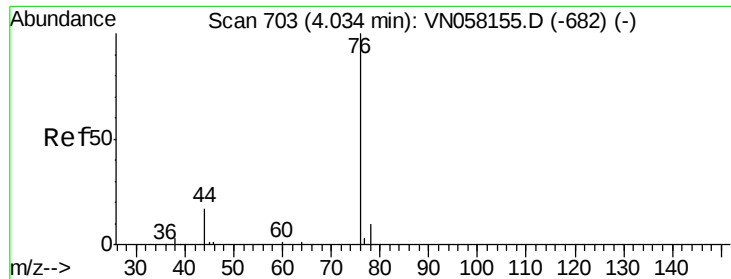
Tgt Ion: 43 Resp: 1310306

Ion Ratio Lower Upper

43 100

58 28.9 23.4 35.2





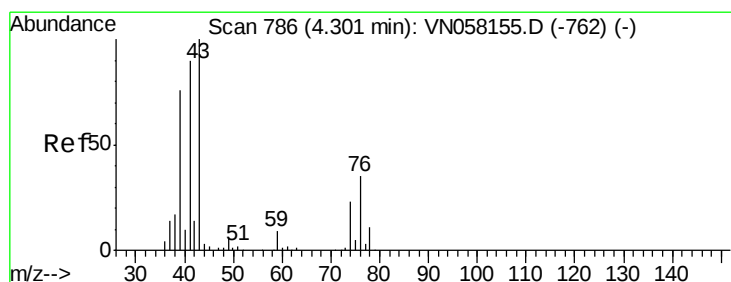
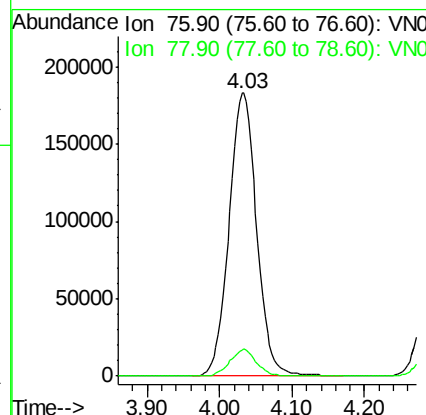
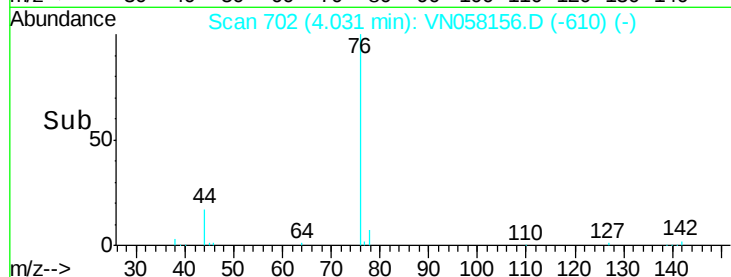
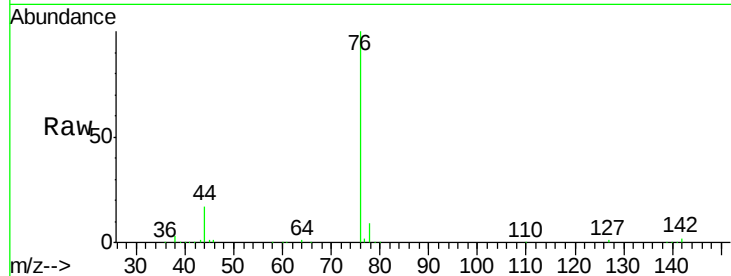
#17
Carbon Disulfide
Concen: 46.363 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

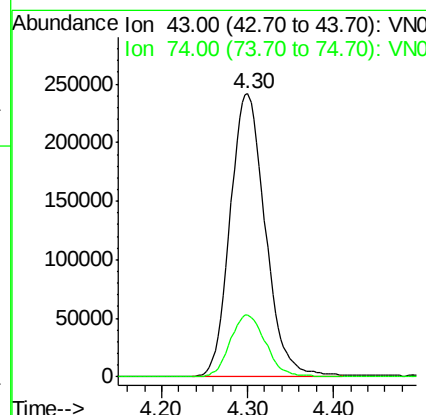
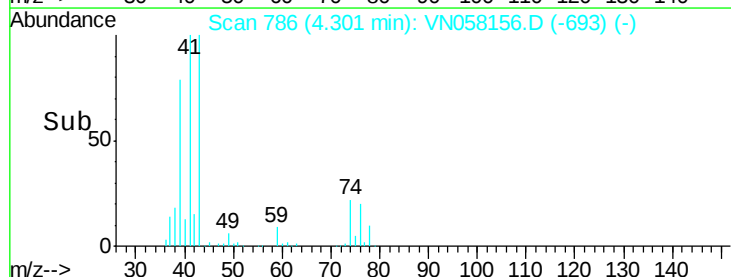
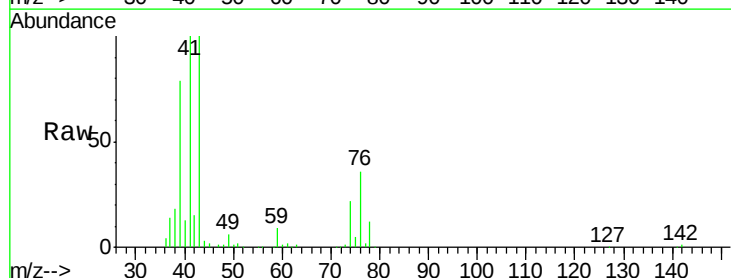
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#18
Methyl Acetate
Concen: 71.249 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.0	27.0





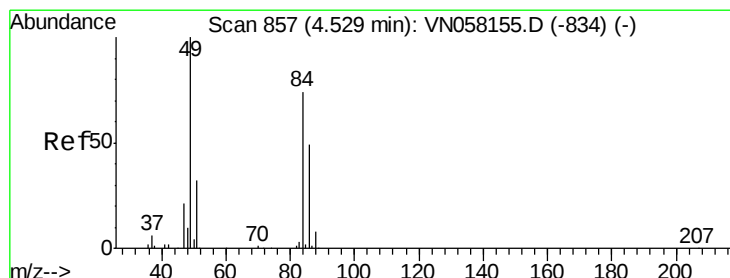
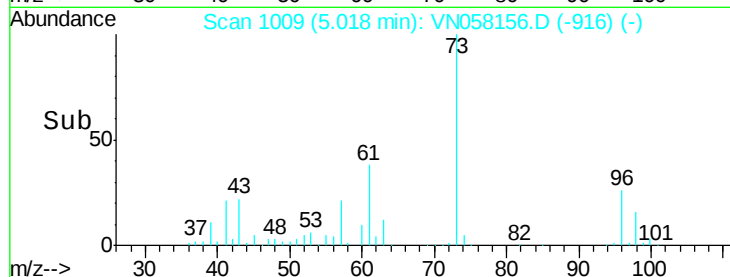
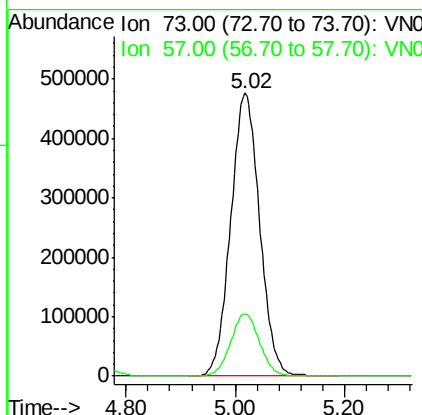
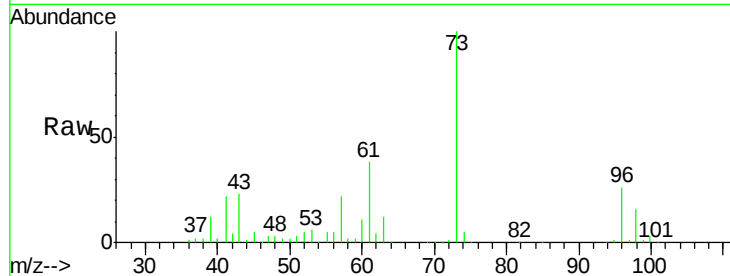
#19
Methvl tert-butvl Ether
Concen: 73.215 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1751959
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

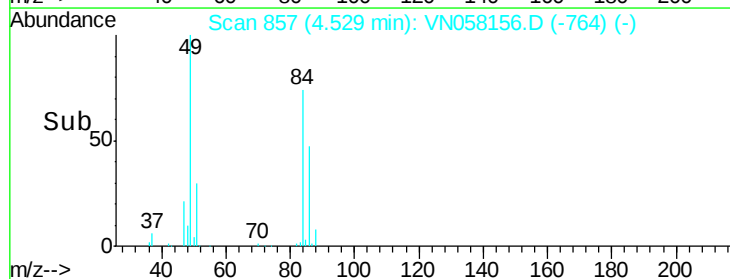
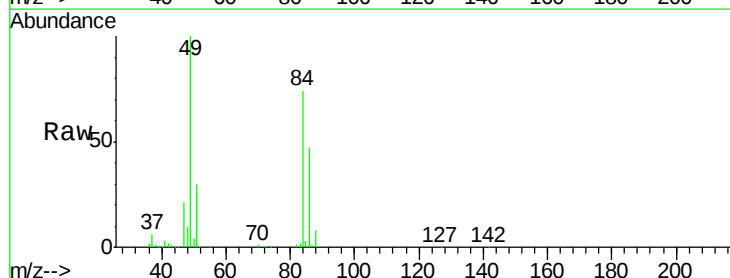
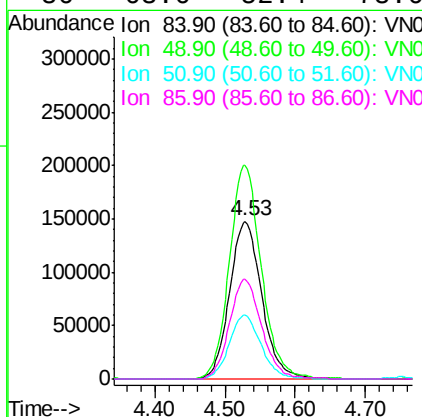
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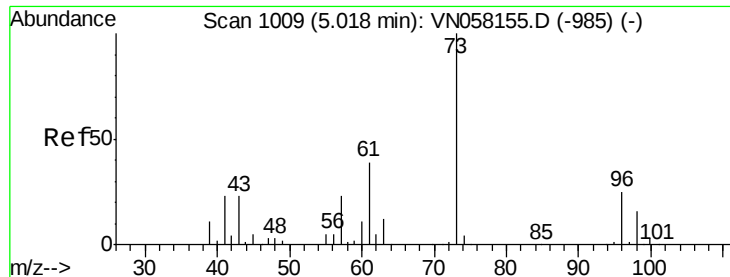
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#20
Methylene Chloride
Concen: 60.695 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 84 Resp: 471336
Ion Ratio Lower Upper
84 100
49 135.6 107.5 161.3
51 40.5 33.9 50.9
86 63.6 52.4 78.6





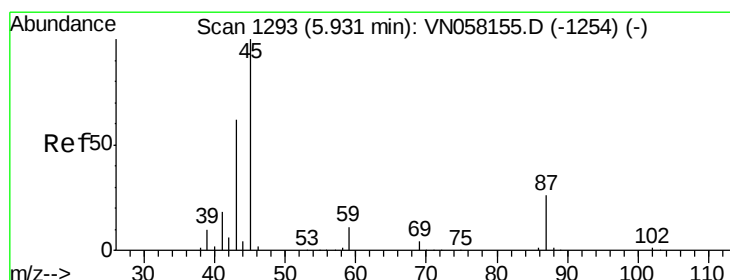
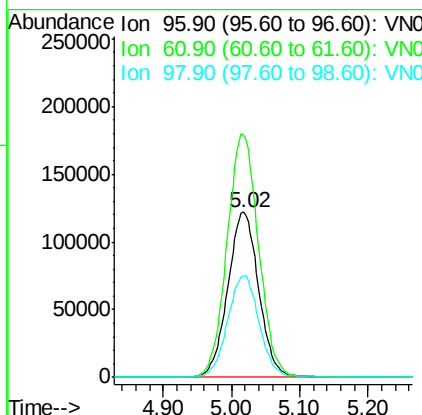
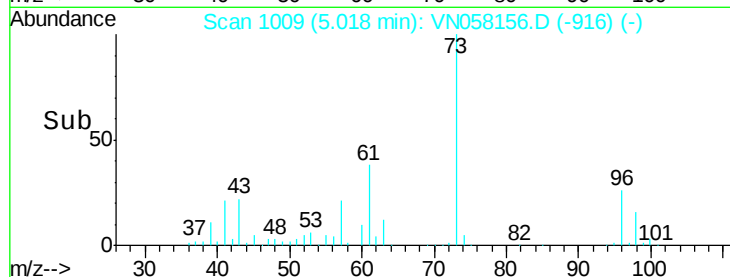
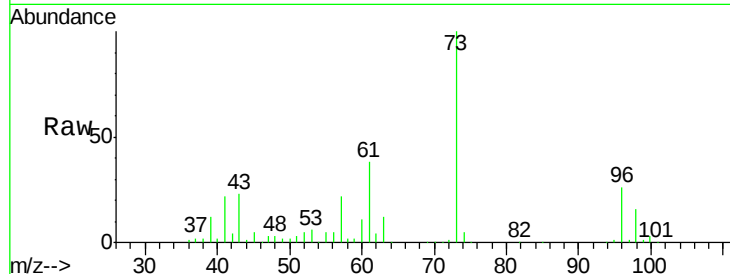
#21
trans-1,2-Dichloroethene
Concen: 62.263 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	122.2	183.4
98	61.7	49.9	74.9

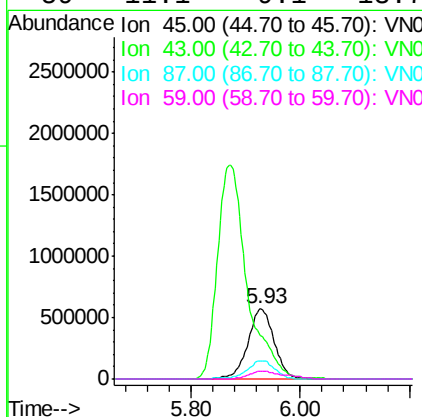
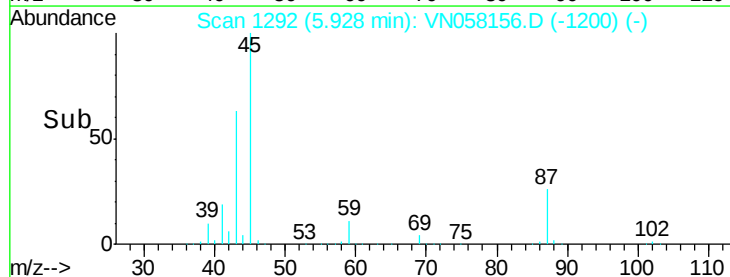
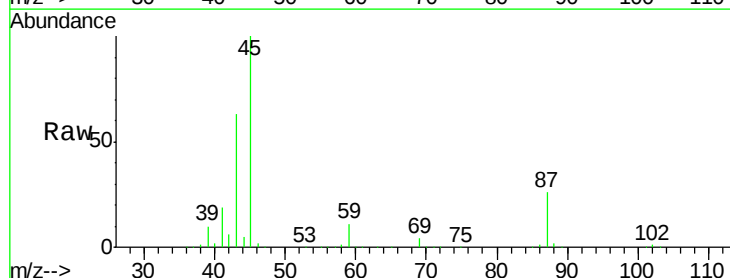
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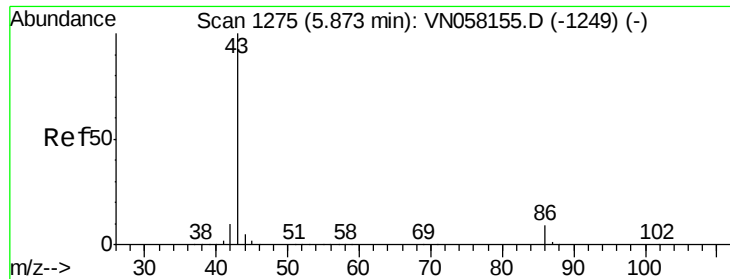
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#22
Diisopropyl ether
Concen: 72.648 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.7	74.5
87	26.3	20.7	31.1
59	11.1	9.1	13.7





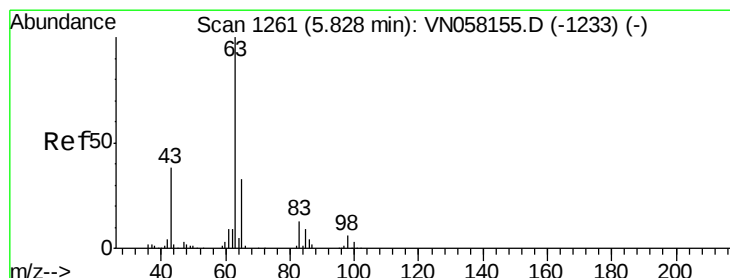
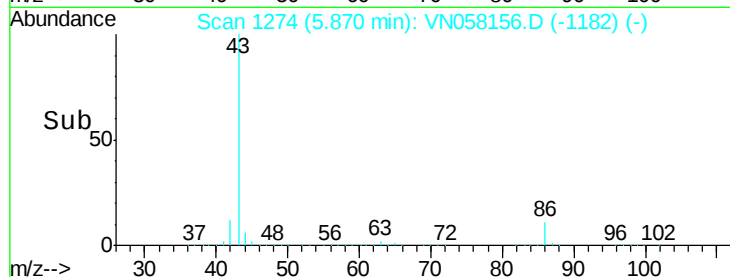
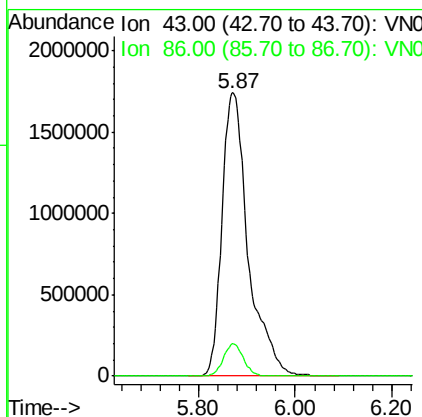
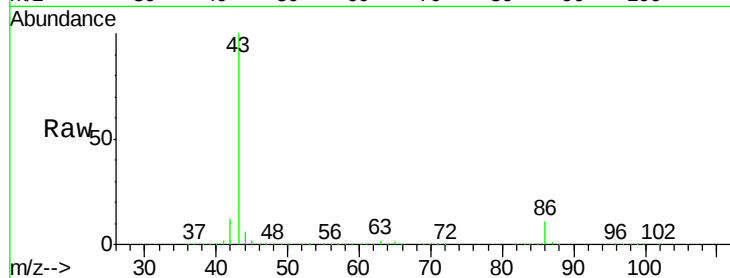
#23
 Vinyl Acetate
 Concen: 353.785 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 6574189
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.4 11.2#

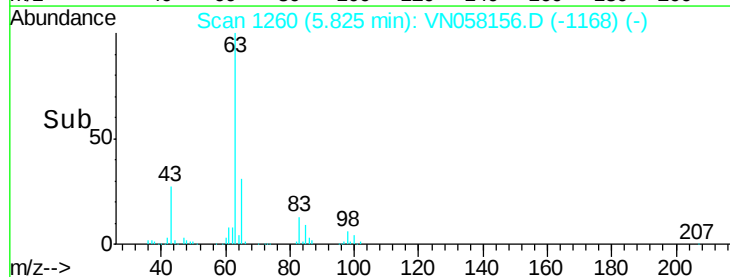
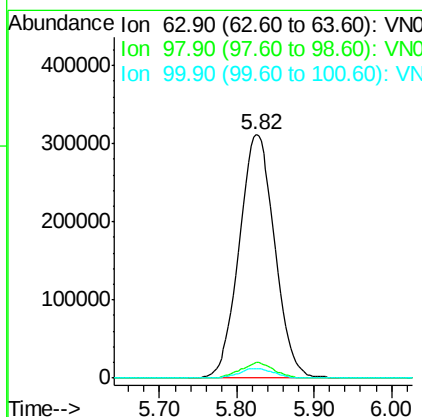
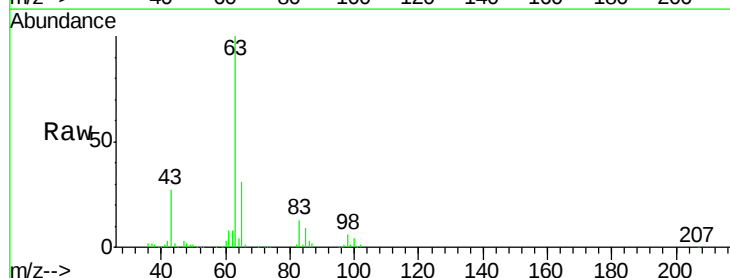
Manual Integrations
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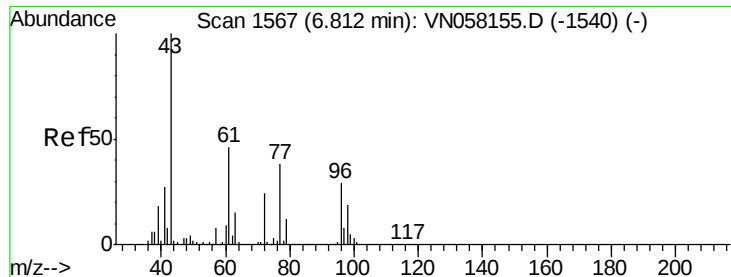
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#24
 1,1-Dichloroethane
 Concen: 69.070 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 63 Resp: 994118
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 370.320 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tot Ion: 43 Resp: 1916318

Ion Ratio Lower Upper

43 100

72 25.6 19.5 29.3

Instrument :

MSVOA_N

ClientSampleId :

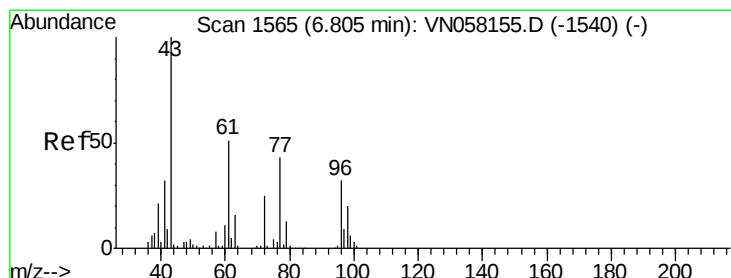
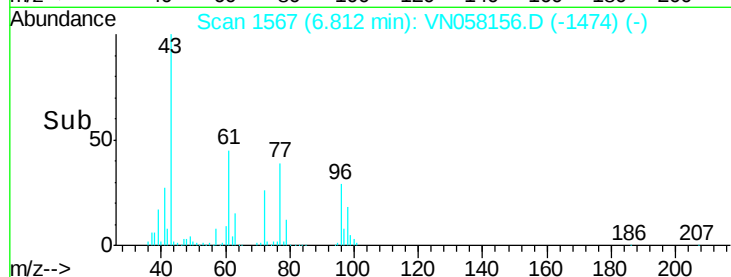
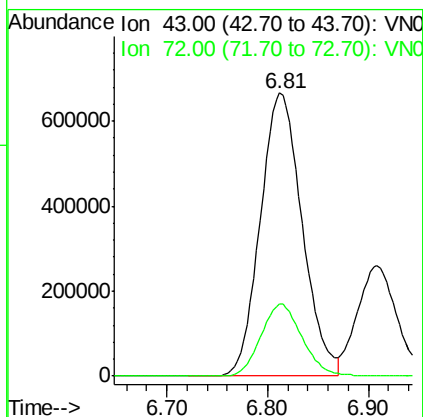
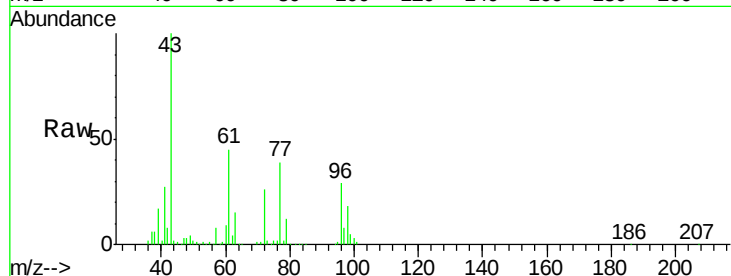
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 75.538 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058156.D

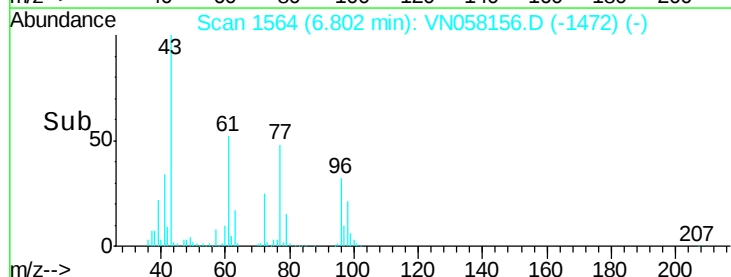
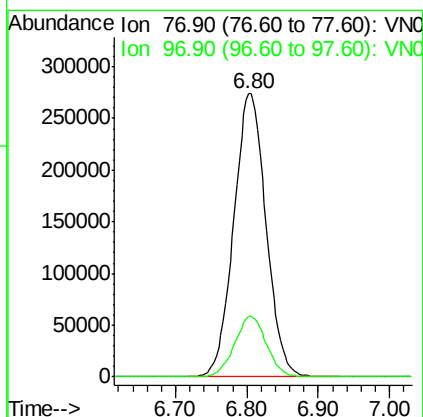
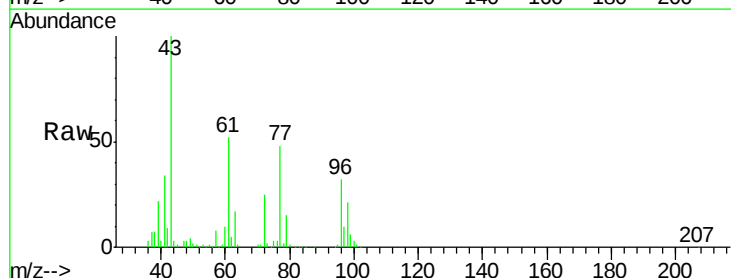
Acq: 18 Sep 2019 10:49

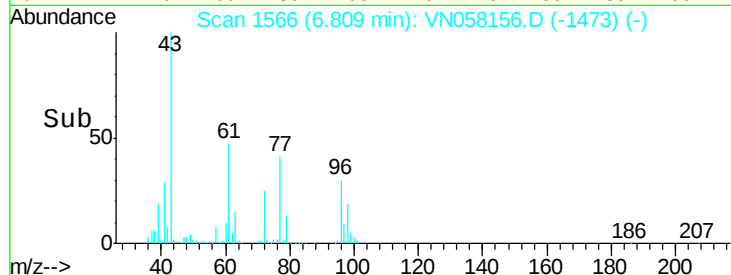
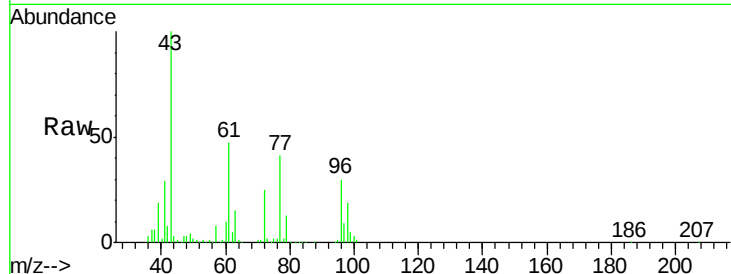
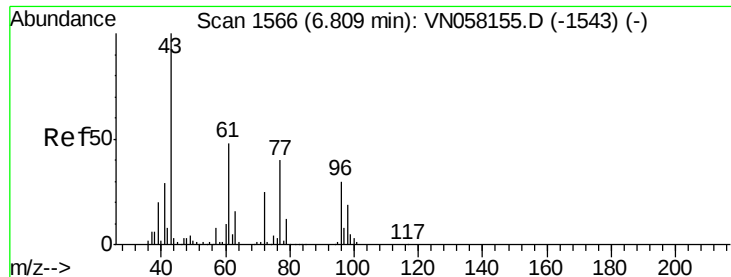
Tgt Ion: 77 Resp: 862792

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 67.048 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058156.D

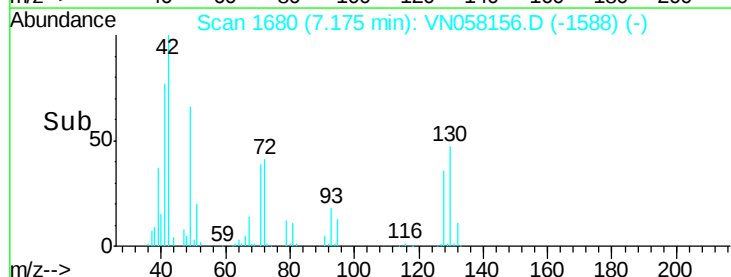
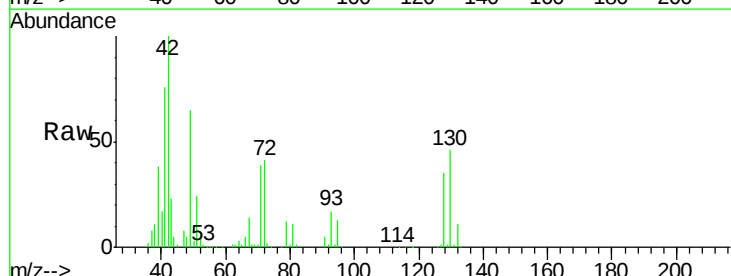
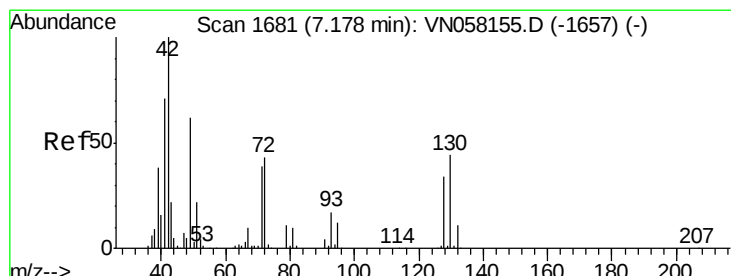
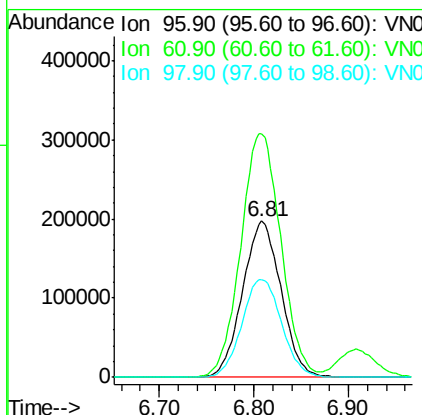
Acq: 18 Sep 2019 10:49

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.8	0.0	319.0	
98	64.6	0.0	126.6	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#28

Bromochloromethane

Concen: 67.833 ug/l

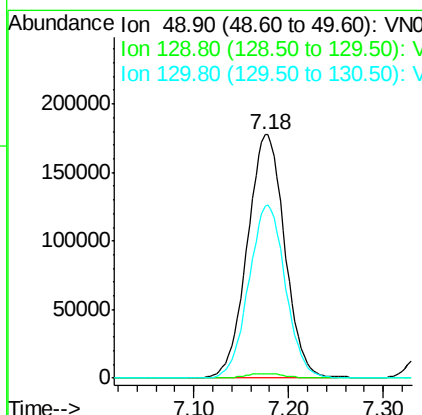
RT: 7.18 min Scan# 1680

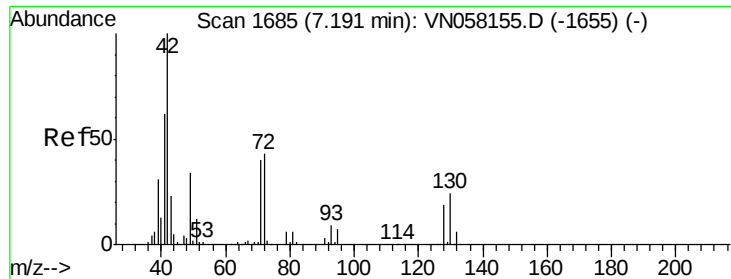
Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	1.8#	
130	69.7	55.4	83.2	





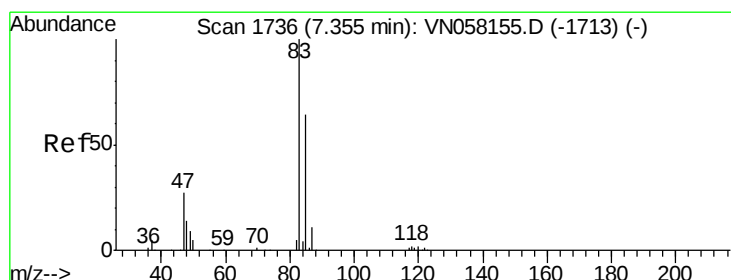
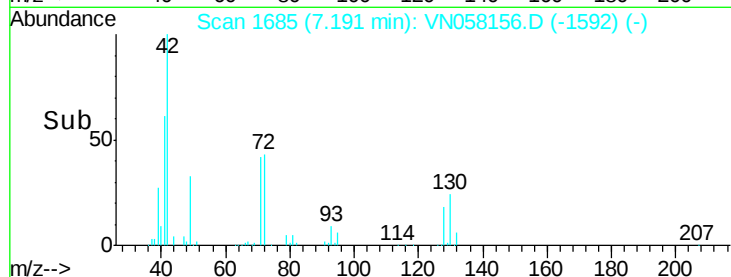
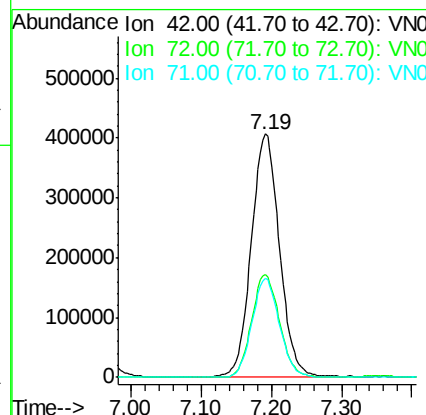
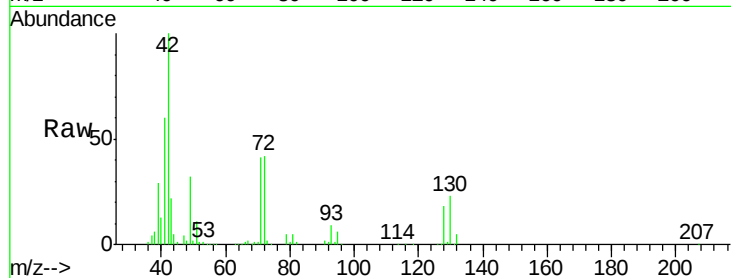
#29
Tetrahydrofuran
Concen: 354.892 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1131763
Ion Ratio Lower Upper
42 100
72 41.7 33.8 50.6
71 39.6 31.4 47.0

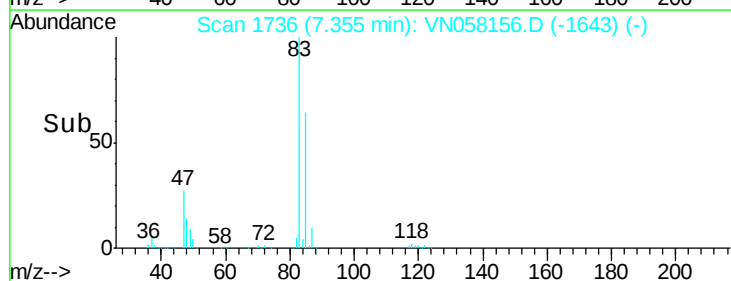
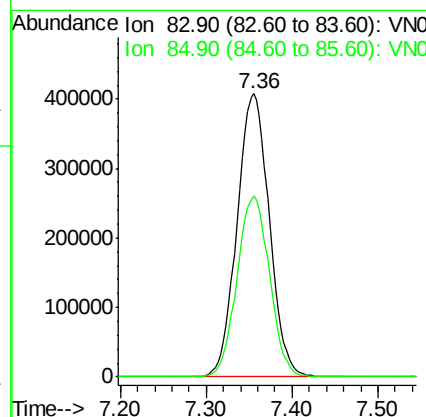
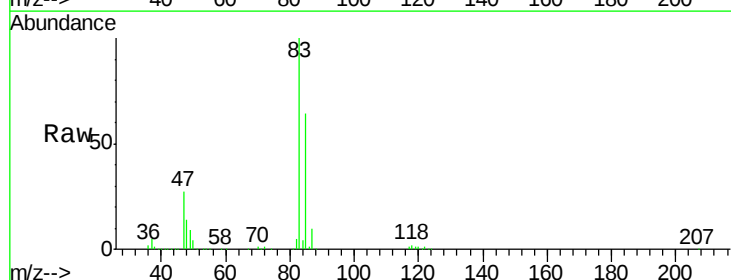
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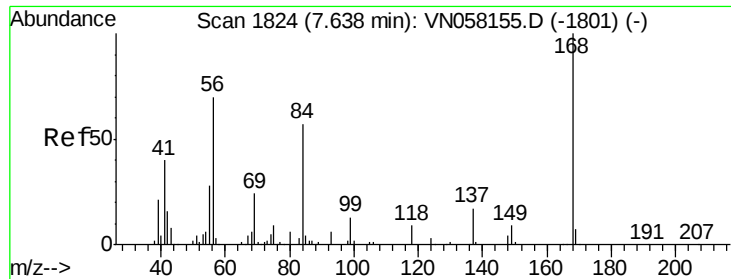
MMDadoda
9/20/2019 1:14:29 PM



#30
Chloroform
Concen: 70.348 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 83 Resp: 1061556
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.2





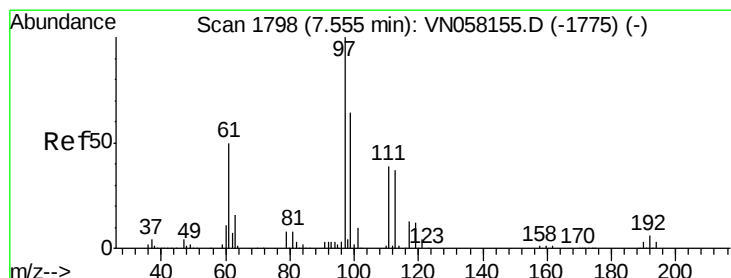
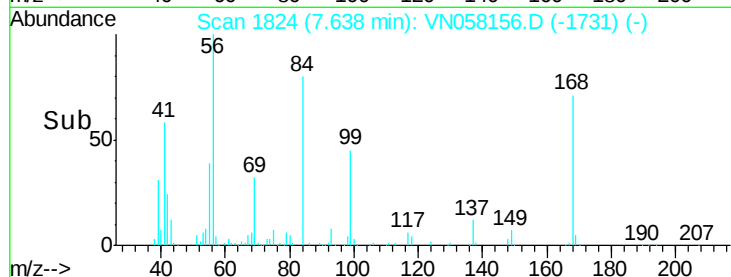
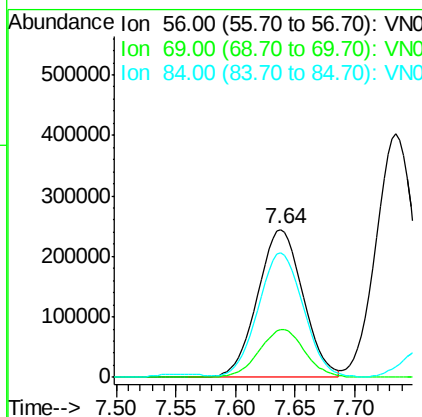
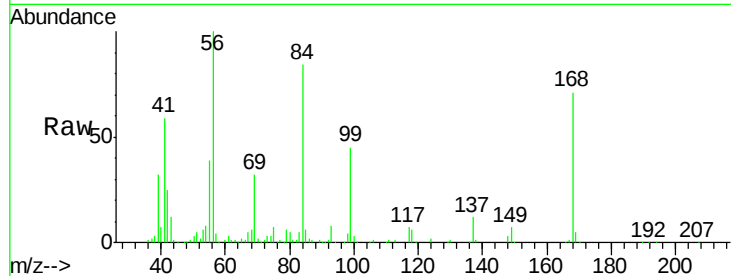
#31
Cyclohexane
Concen: 60.978 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.3	40.9
84	82.1	65.0	97.4

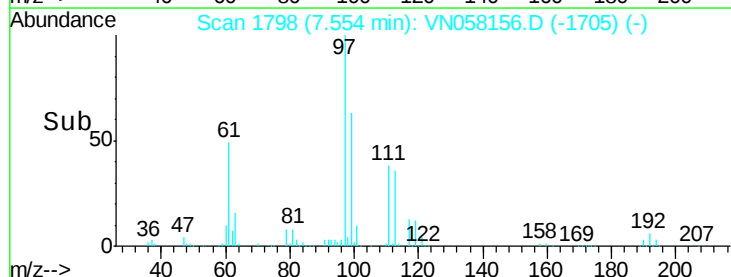
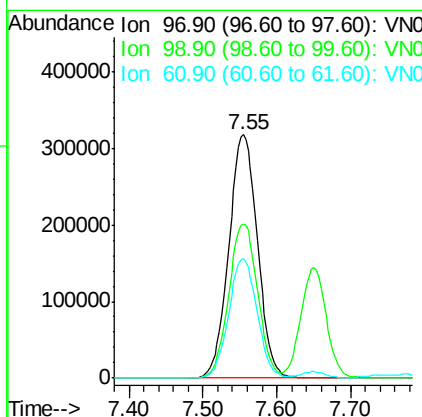
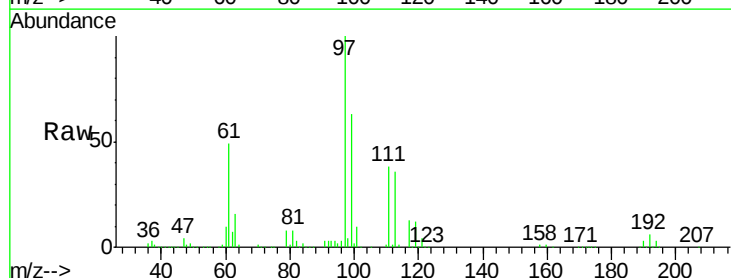
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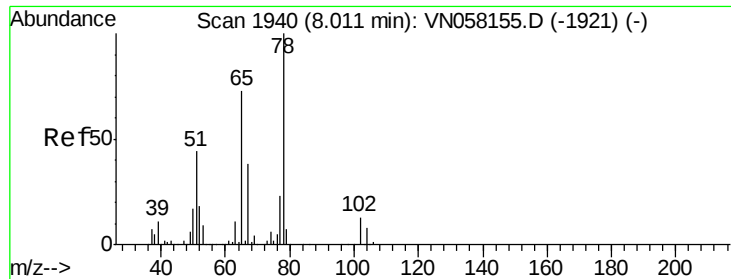
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 71.821 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	48.6	39.2	58.8





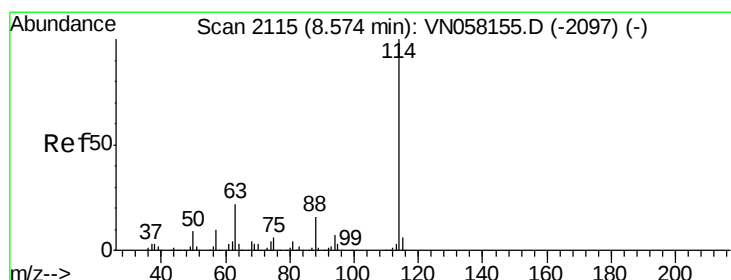
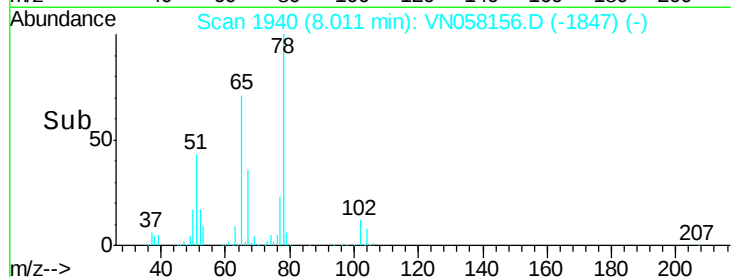
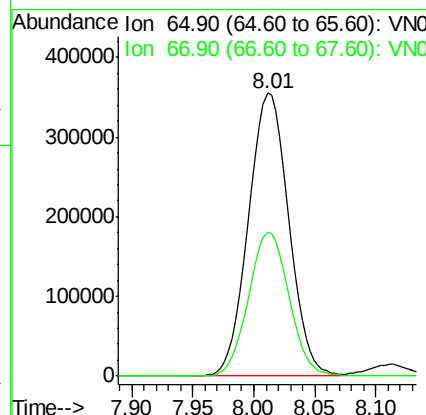
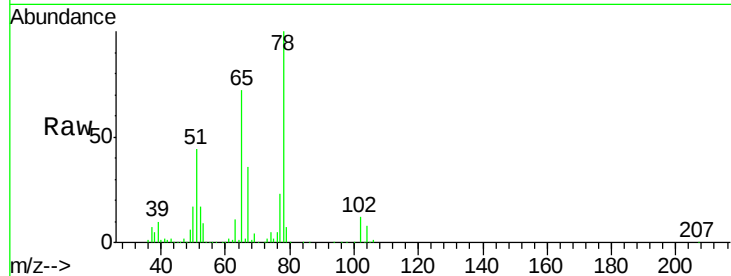
#33
 1,2-Dichloroethane-d4
 Concen: 74.757 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	813337		
67	51.2	0.0	103.4	

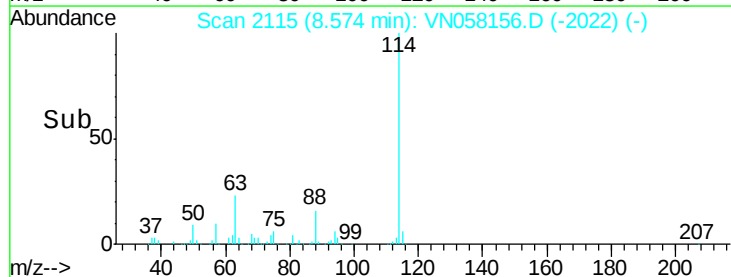
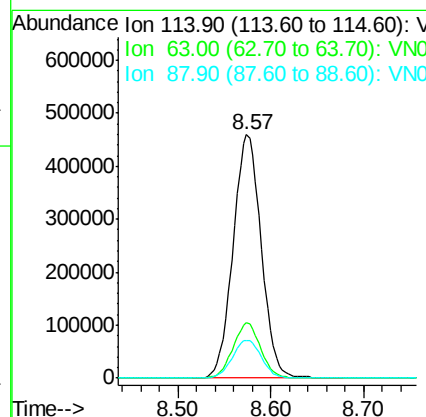
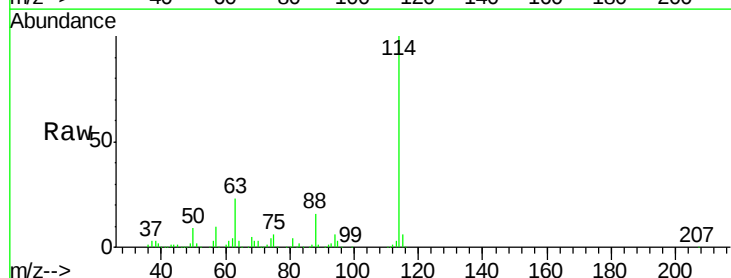
Manual Integrations
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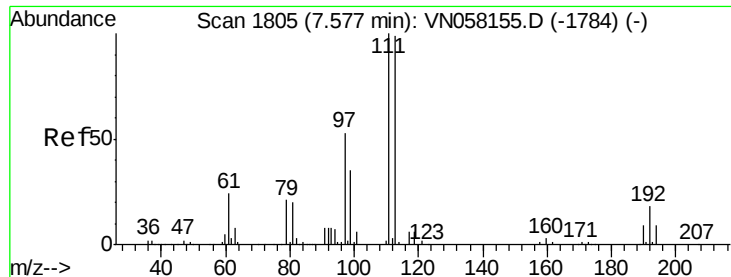
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	965146		
63	22.7	0.0	44.2	
88	15.7	0.0	31.6	





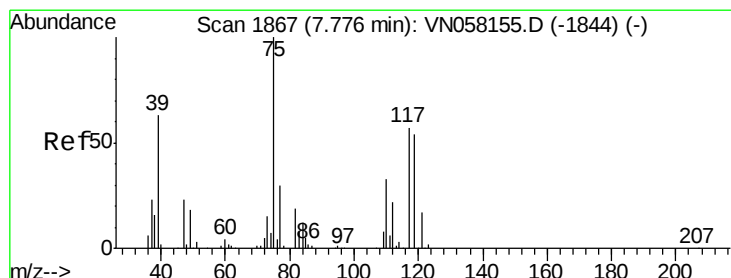
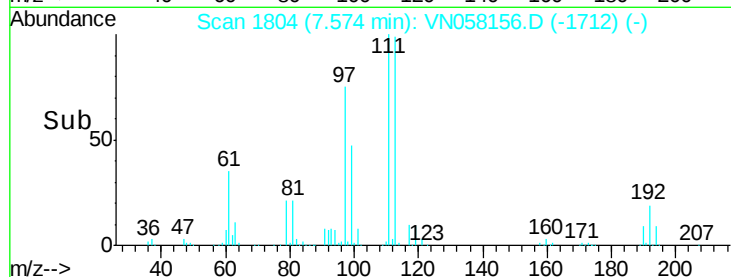
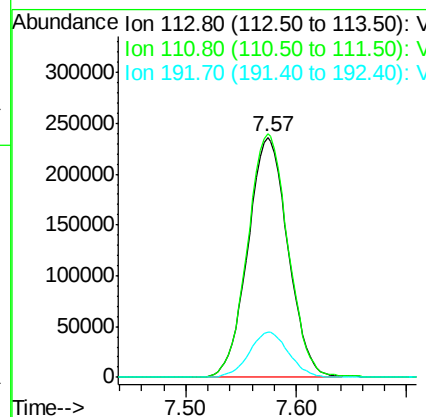
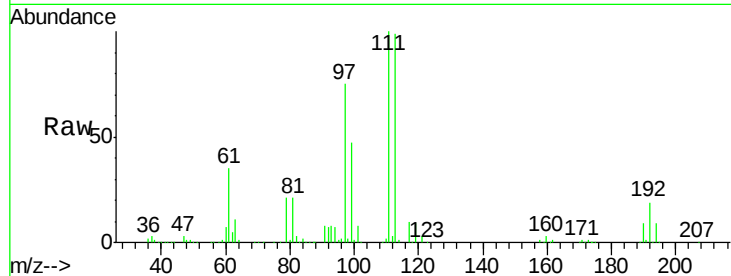
#35
 Dibromofluoromethane
 Concen: 71.118 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	592751		
111	102.9	81.8	122.6	
192	18.7	14.5	21.7	

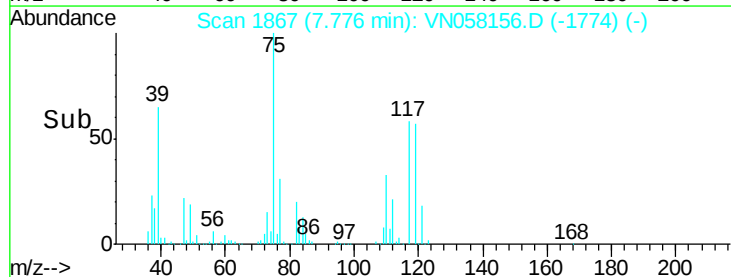
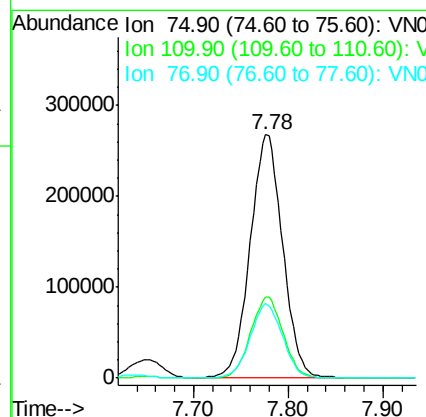
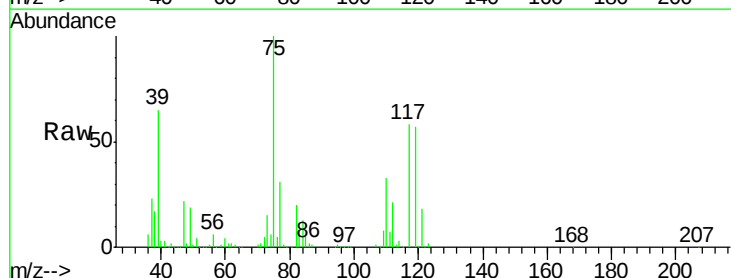
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 60.605 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	635672		
110	33.6	16.6	49.7	
77	30.8	24.3	36.5	





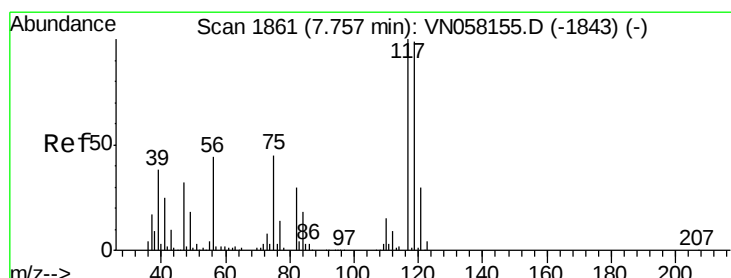
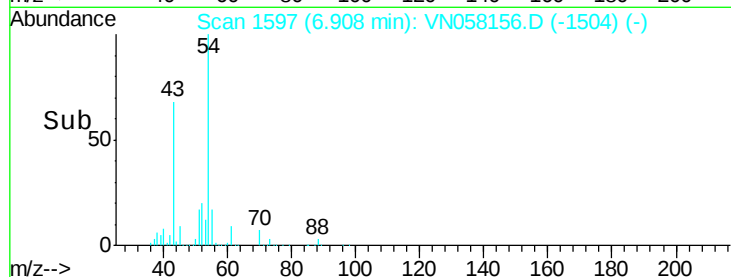
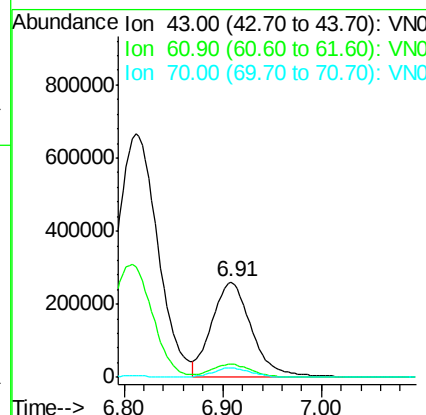
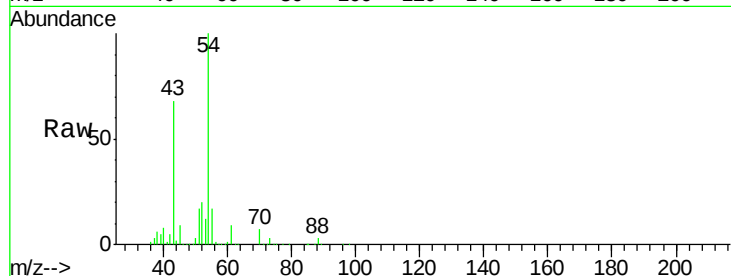
#37
Ethyl Acetate
Concen: 66.375 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.7	7.6	11.4

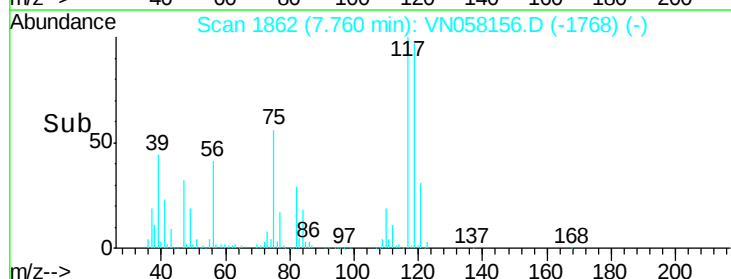
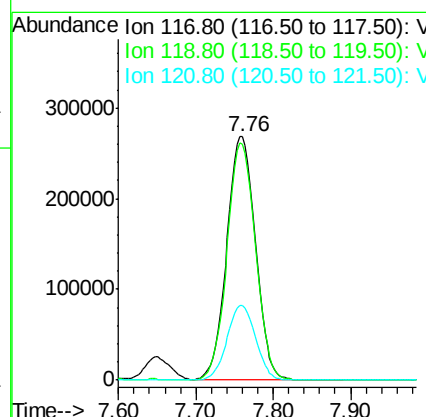
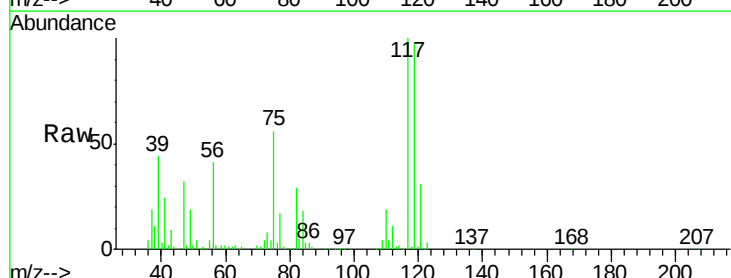
Manual Integrations
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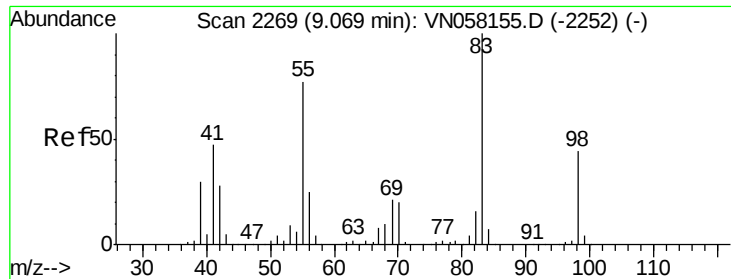
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#38
Carbon Tetrachloride
Concen: 71.891 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.6	117.8
121	30.7	24.1	36.1





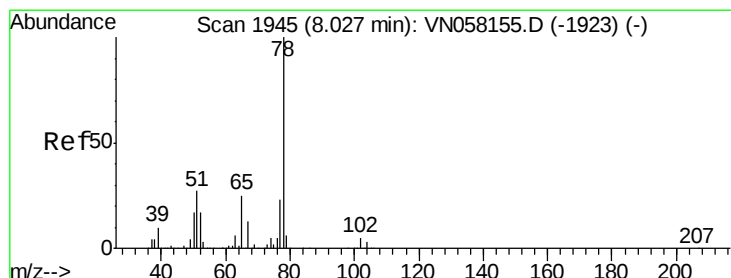
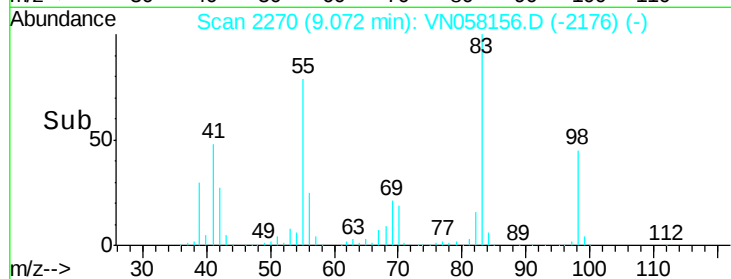
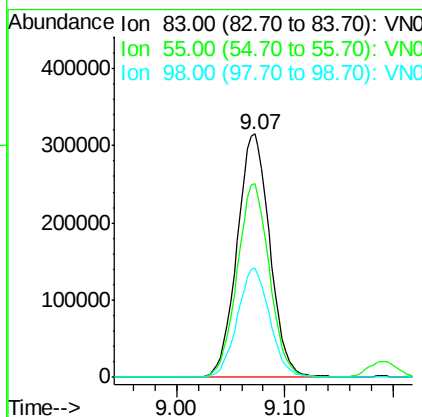
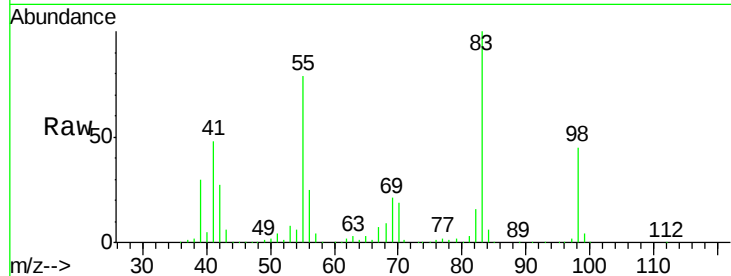
#39
Methvlcvclohexane
Concen: 60.608 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83.00	Resp	666599
Ion Ratio	100	Lower	Upper
83	100		
55	79.3	61.9	92.9
98	44.6	35.4	53.2

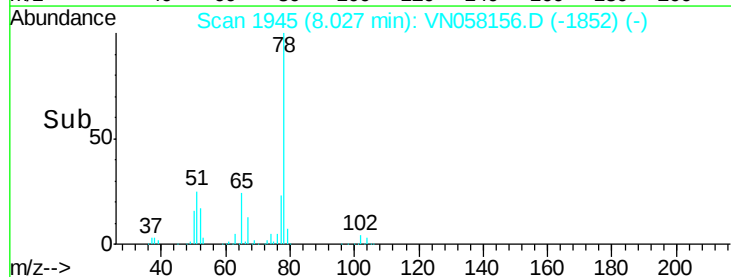
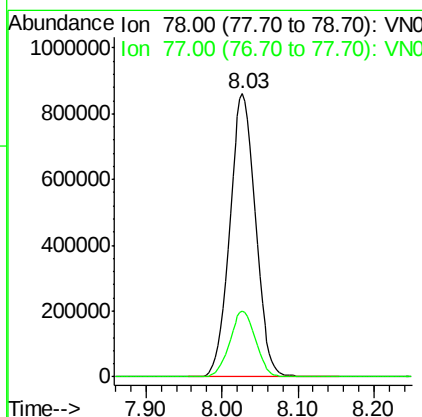
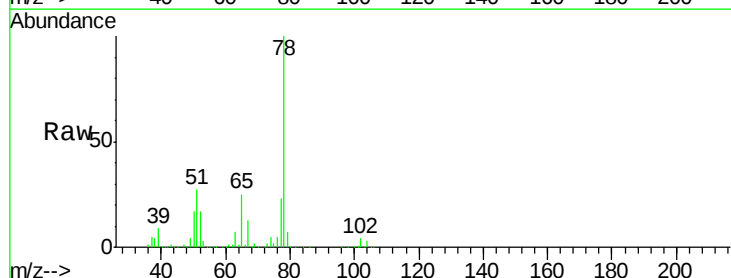
Manual Integrations
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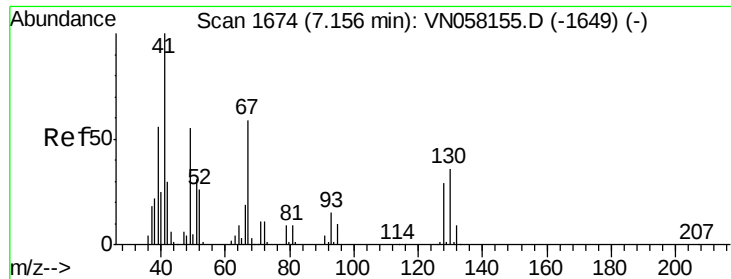
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#40
Benzene
Concen: 63.901 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	78.00	Resp	2017893
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





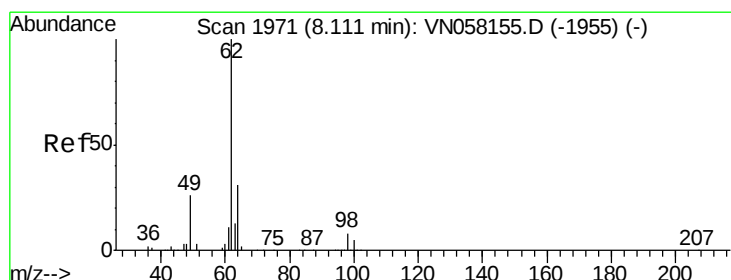
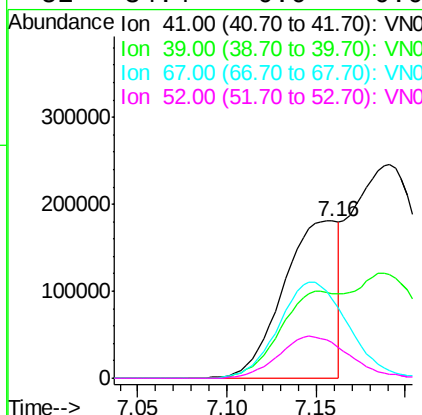
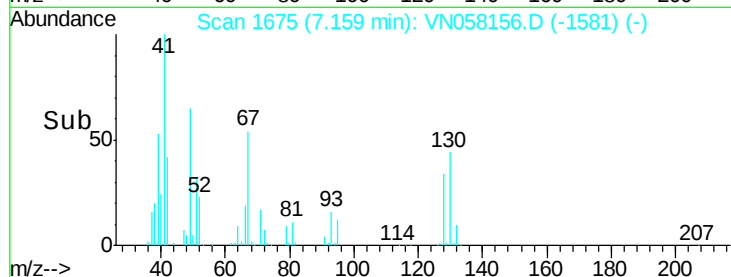
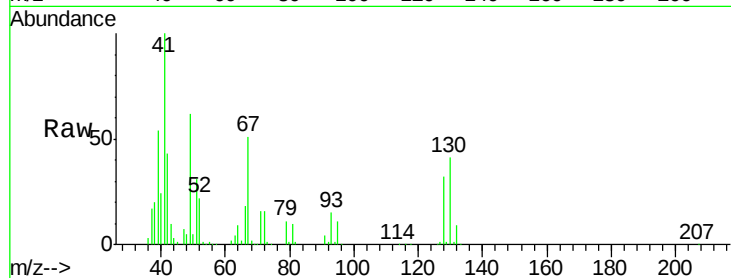
#41
Methacrylonitrile
Concen: 78.367 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	56.4	0.0	0.0	#
67	77.8	0.0	0.0	#
52	34.4	0.0	0.0	#

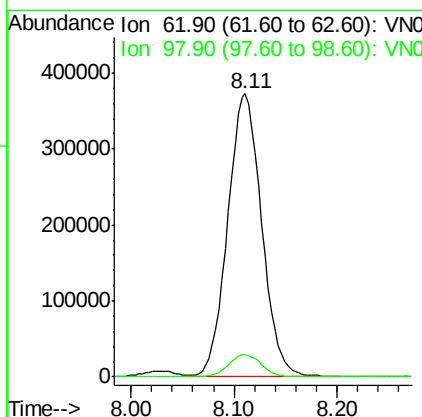
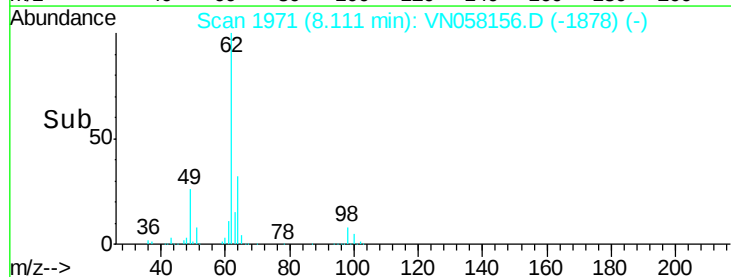
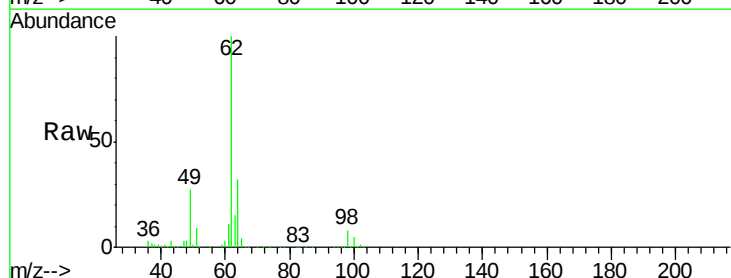
Manual Integrations
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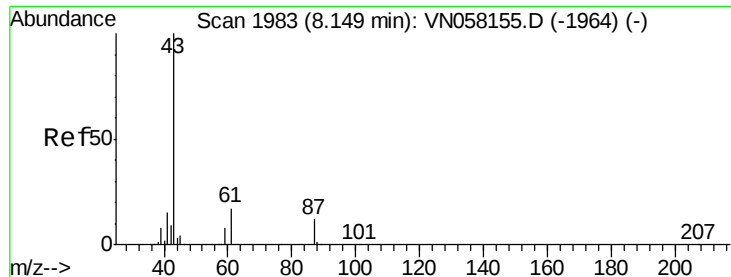
MMDadoda
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#42
1,2-Dichloroethane
Concen: 67.277 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.7	0.0	15.6	





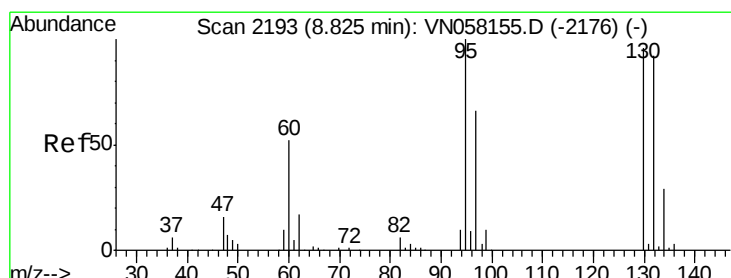
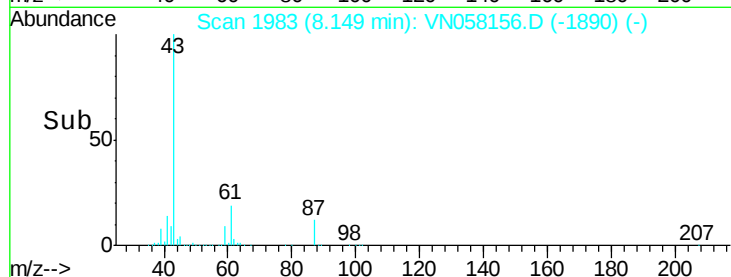
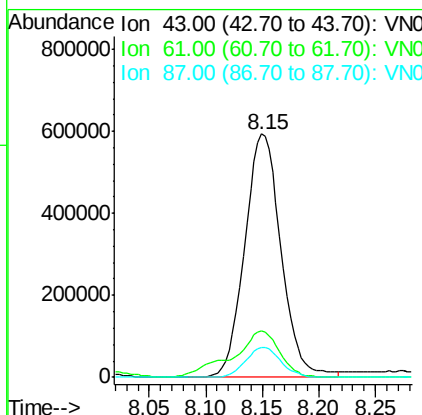
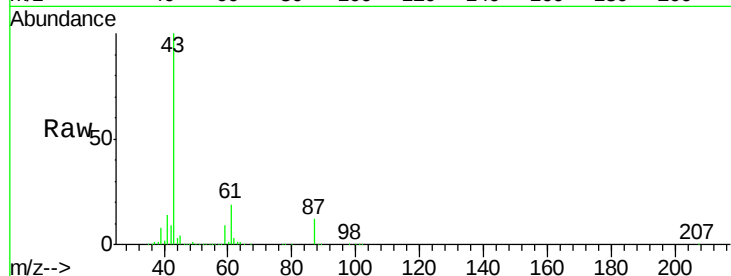
#43
Isopropyl Acetate
Concen: 72.286 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.7	29.5
87	12.1	9.4	14.2

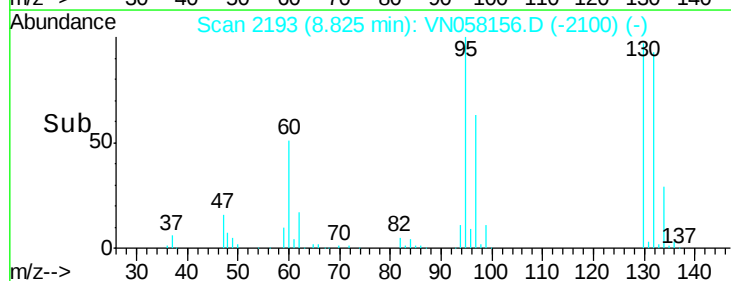
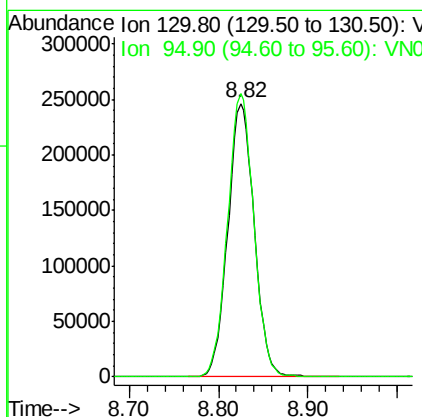
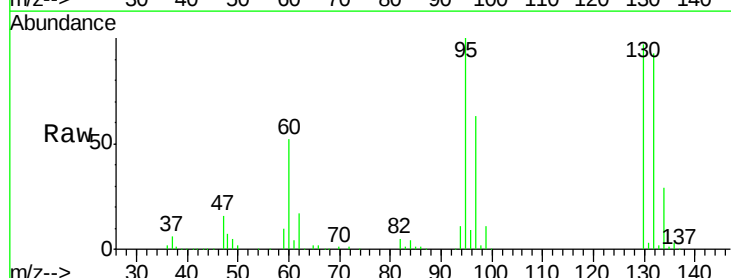
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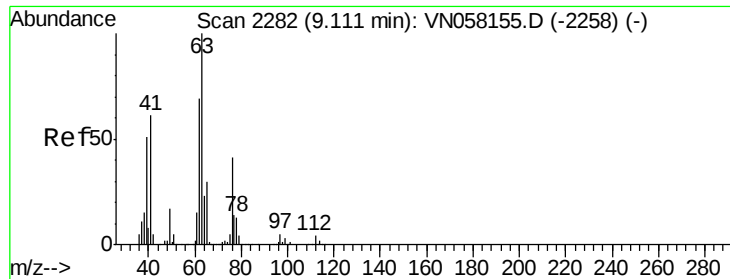
MMDadoda
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#44
Trichloroethene
Concen: 64.856 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.8





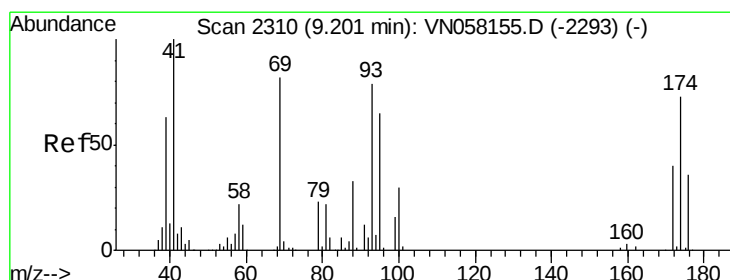
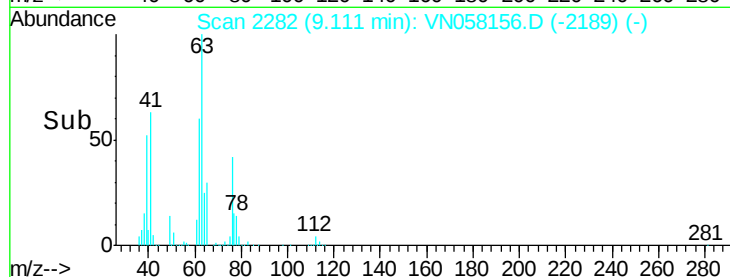
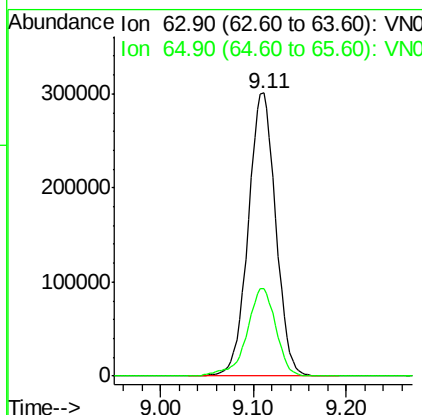
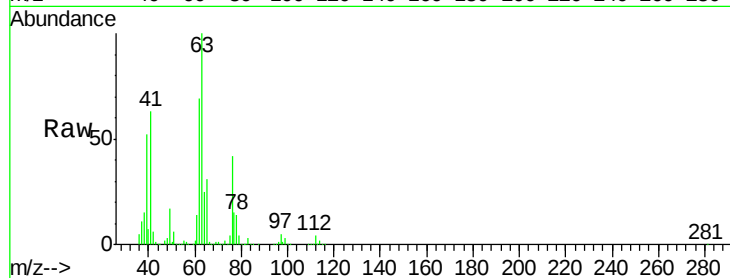
#45
 1,2-Dichloropropane
 Concen: 67.122 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.8	35.6

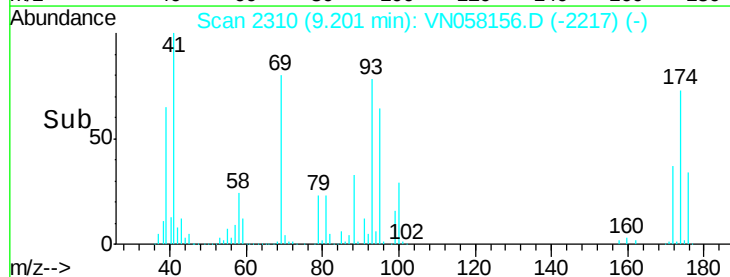
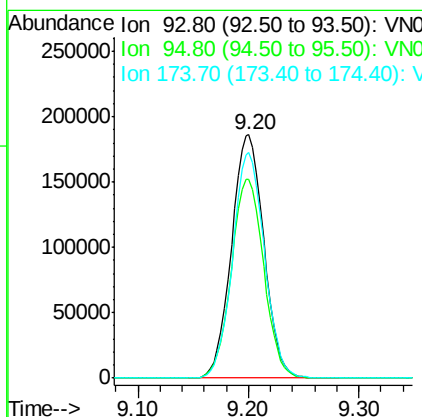
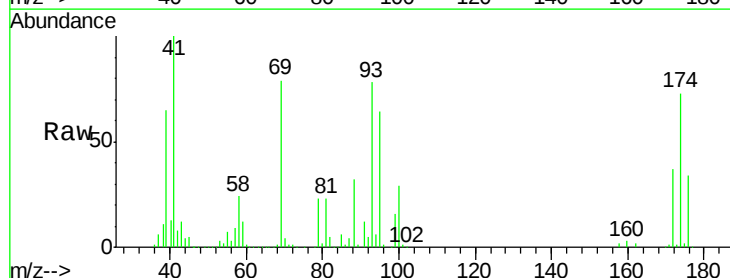
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#46
 Dibromomethane
 Concen: 67.976 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.8	100.2
174	91.4	73.8	110.8





#47

Bromodichloromethane

Concen: 77.134 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

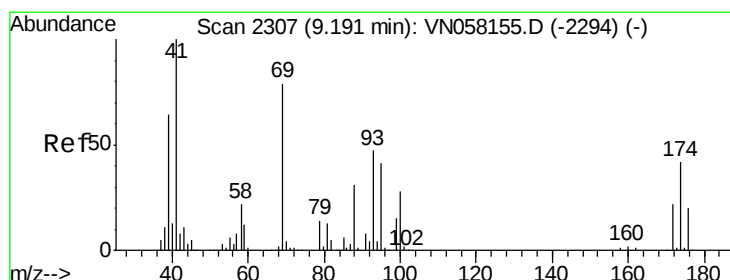
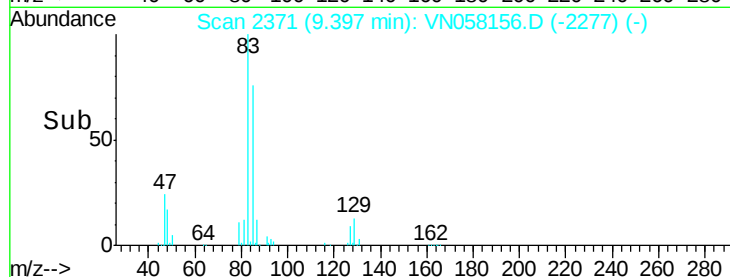
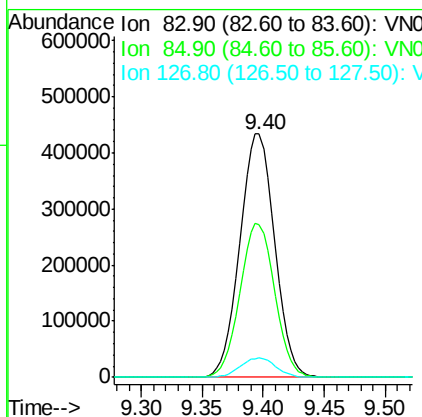
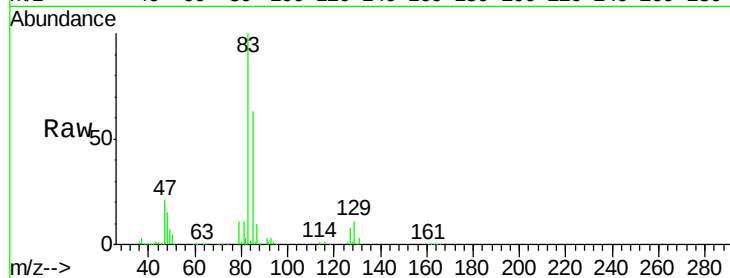
ClientSampled :

VSTDICC100

Tot Ion:	83	Resp:	855171
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.1	75.1
127	7.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 68.611 ug/l

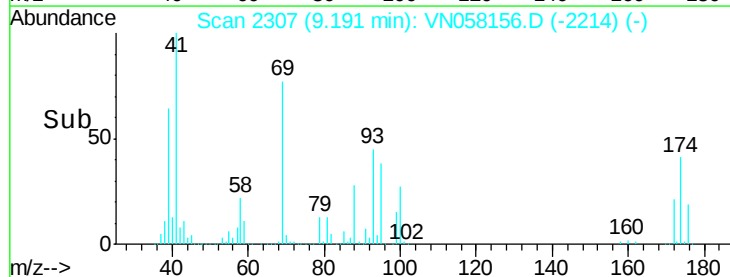
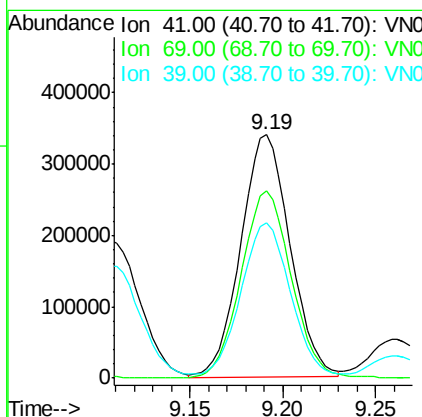
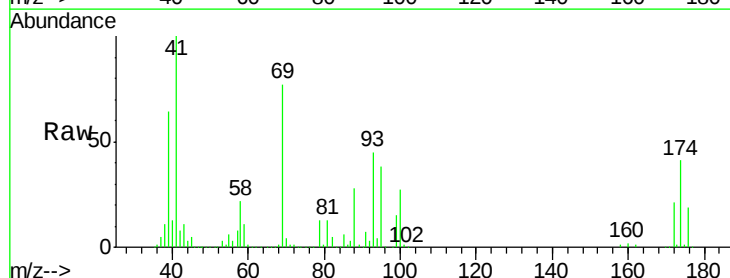
RT: 9.19 min Scan# 2307

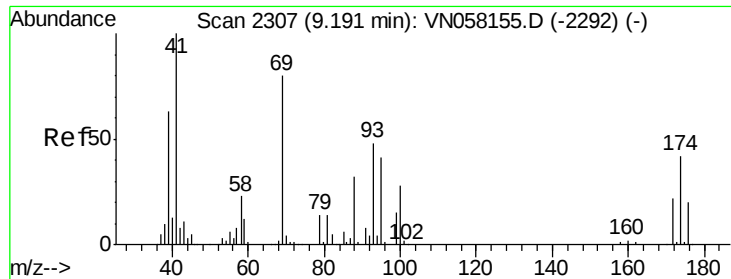
Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion:	41	Resp:	632971
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.5	93.7
39	64.7	52.3	78.5





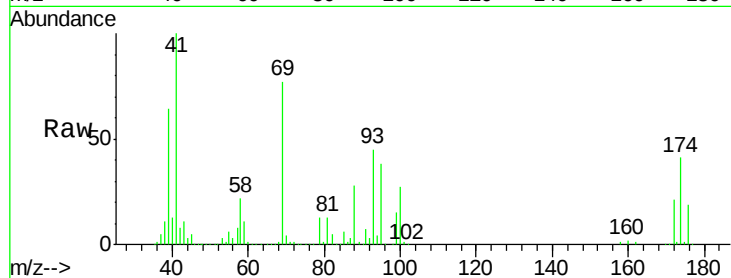
#49
1,4-Dioxane
Concen: 1271.278 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

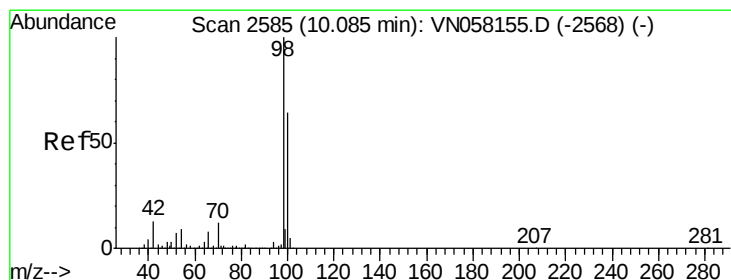
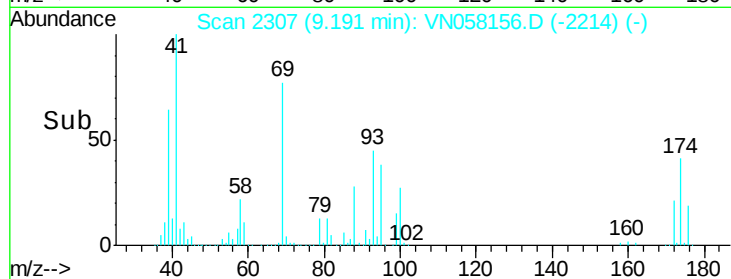
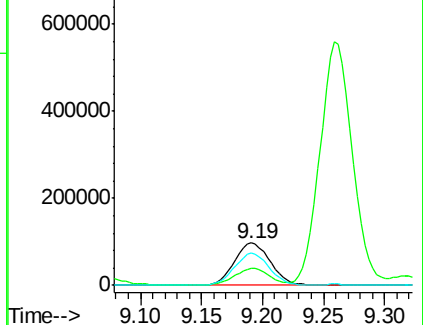
Tot Ion	Ratio	Resp	Lower	Upper
88	100	199294		
43	36.6	27.8	41.8	
58	74.0	55.0	82.4	

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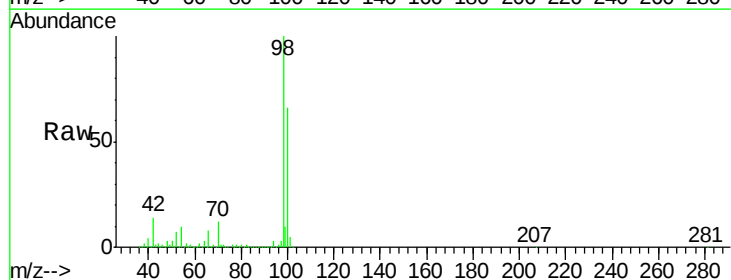


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

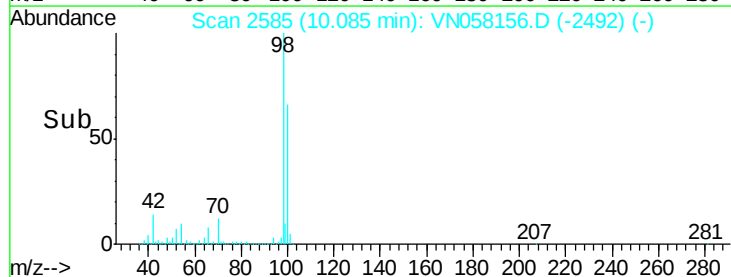
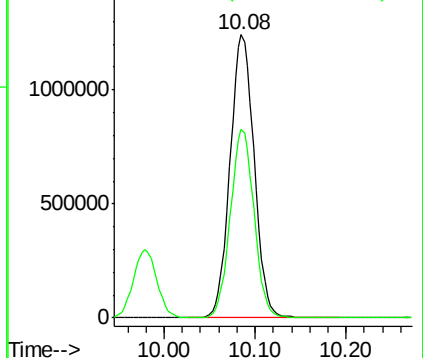


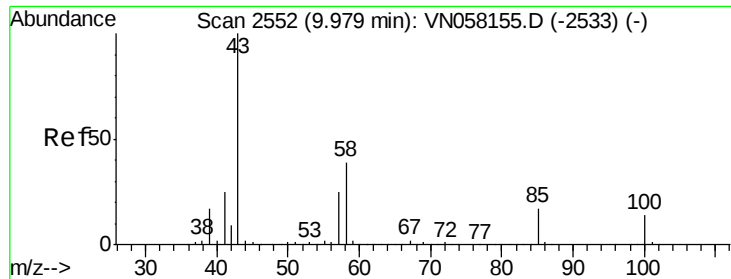
#50
Toluene-d8
Concen: 70.997 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2286362		
100	65.3	51.1	76.7	



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 328.857 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3519386

Ion Ratio Lower Upper

43 100

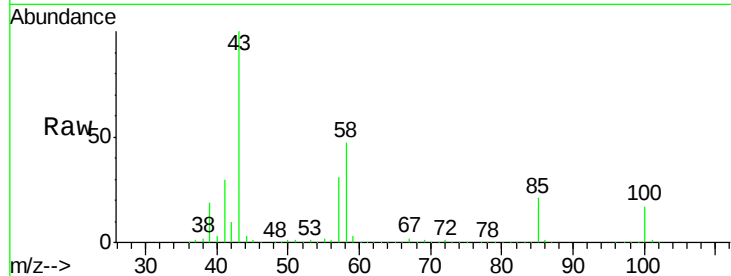
58 42.0 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2000000

1500000

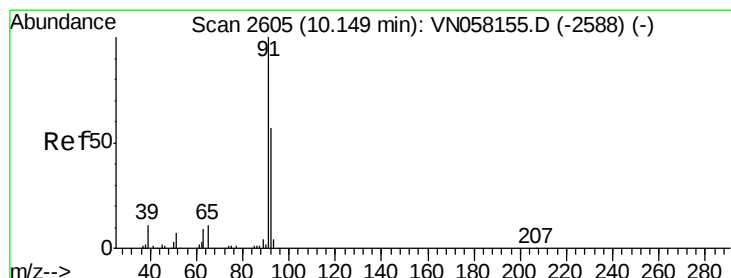
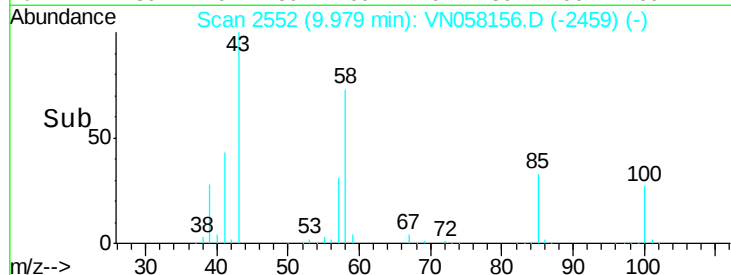
1000000

500000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 65.451 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058156.D

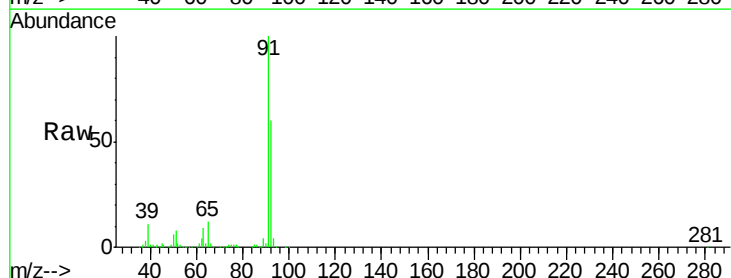
Acq: 18 Sep 2019 10:49

Tgt Ion: 92 Resp: 1300349

Ion Ratio Lower Upper

92 100

91 170.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

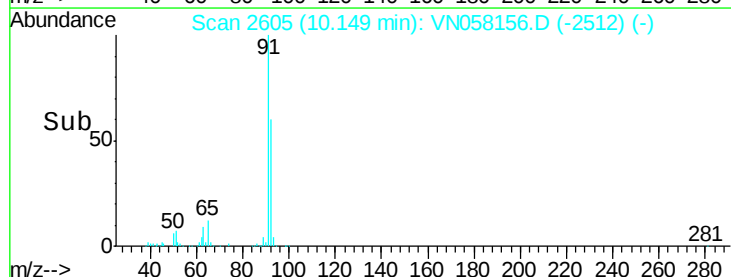
1000000

500000

0

10.10 10.15 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 79.118 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 921839

Ion Ratio Lower Upper

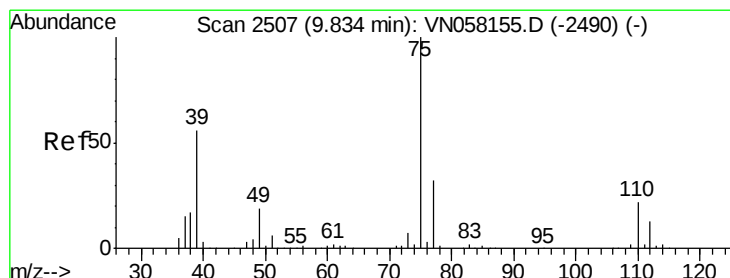
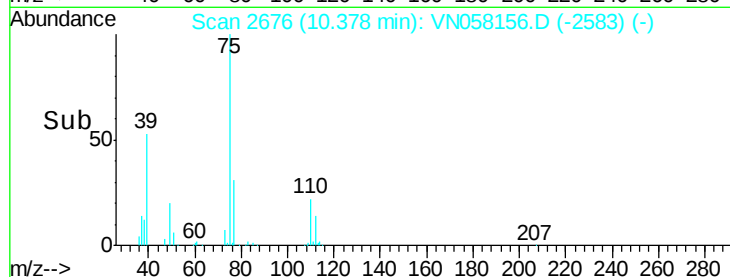
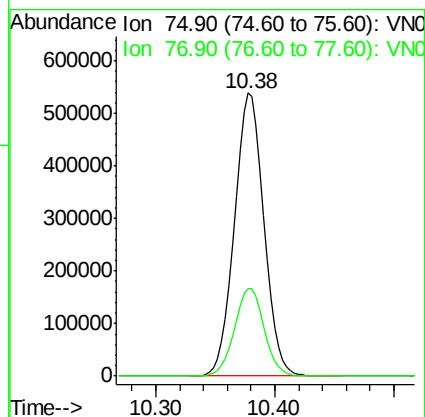
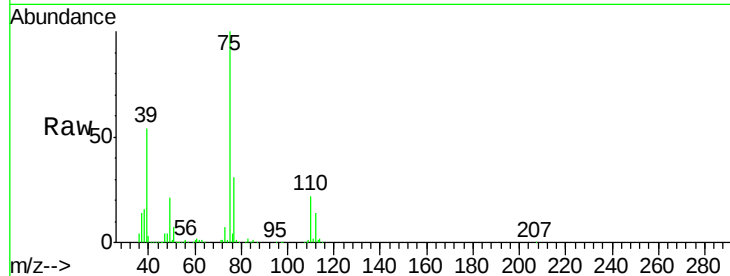
75 100

77 31.1 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 75.280 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

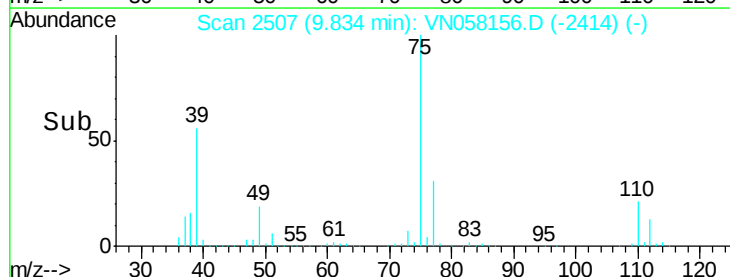
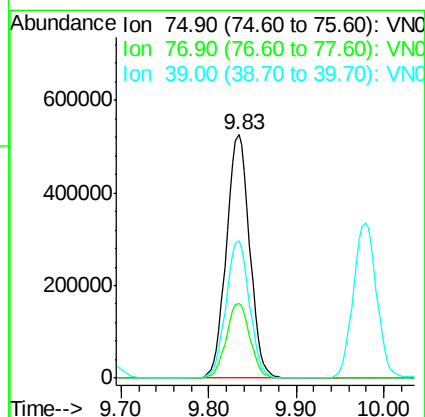
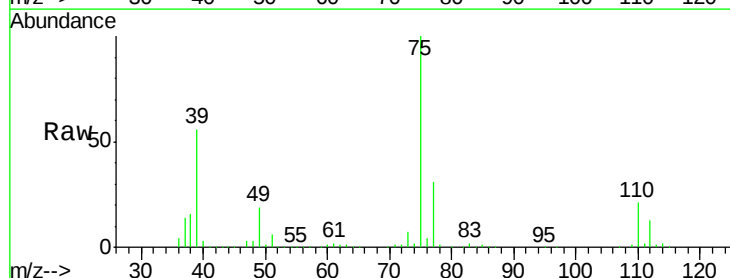
Tgt Ion: 75 Resp: 968959

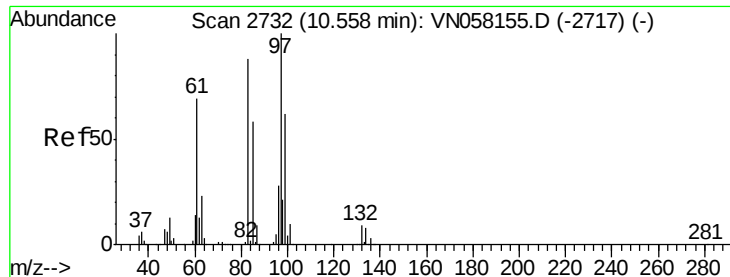
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 56.2 45.0 67.6





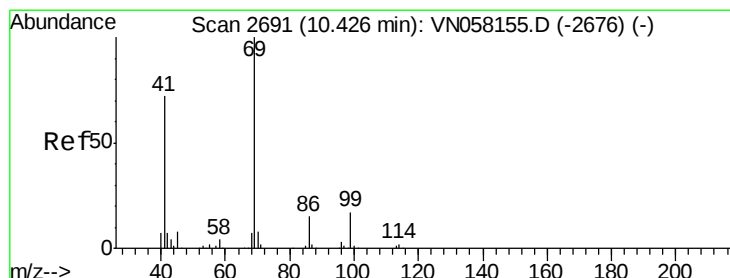
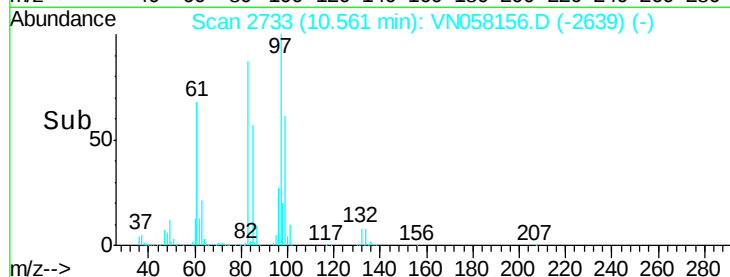
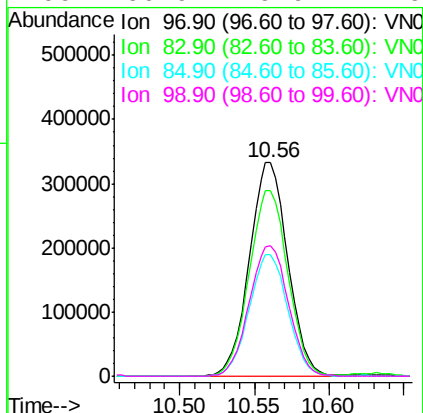
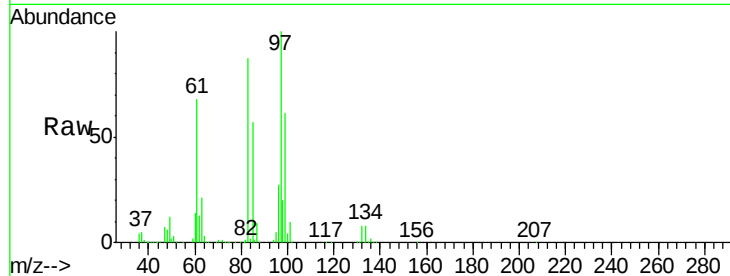
#55
 1,1,2-Trichloroethane
 Concen: 70.493 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:	97	Resp:	593996
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	56.7	46.8	70.2
99	60.9	49.9	74.9

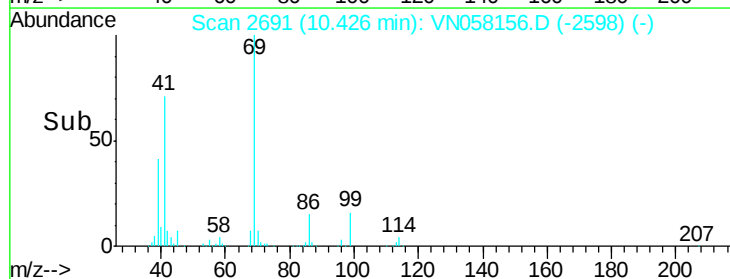
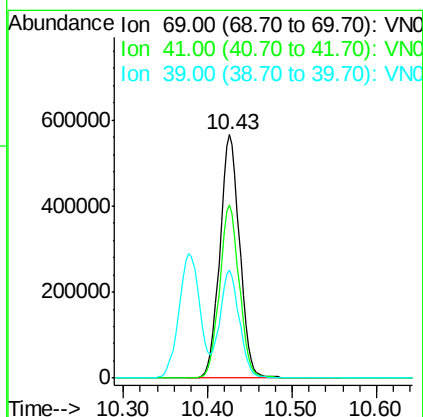
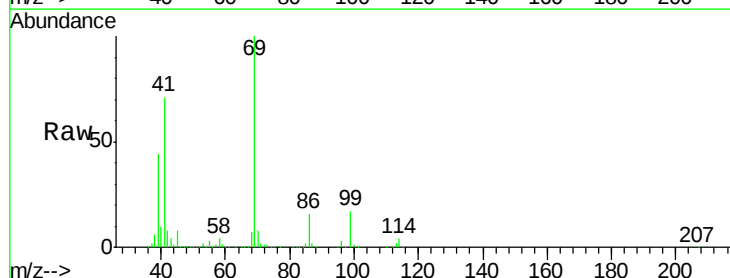
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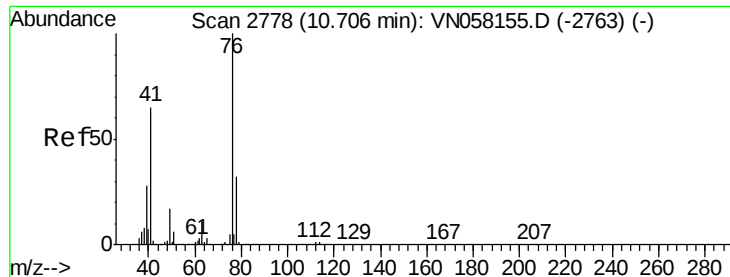
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#56
 Ethyl methacrylate
 Concen: 73.196 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion:	69	Resp:	924047
Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.5	86.3
39	43.5	36.1	54.1





#57

1,3-Dichloropropane

Concen: 68.979 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1001992

Ion Ratio Lower Upper

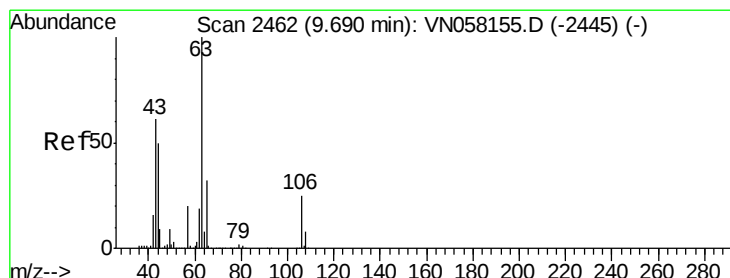
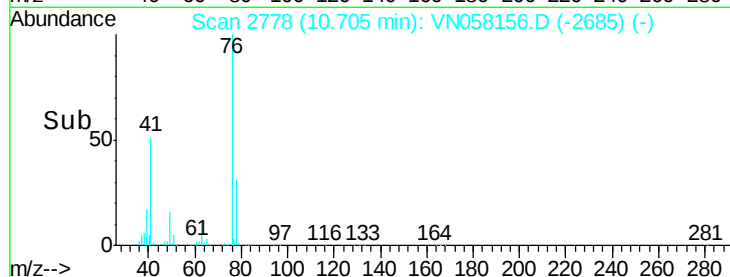
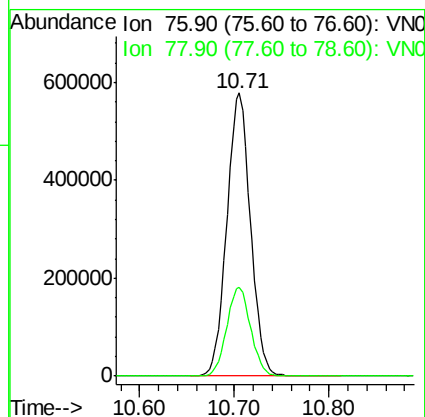
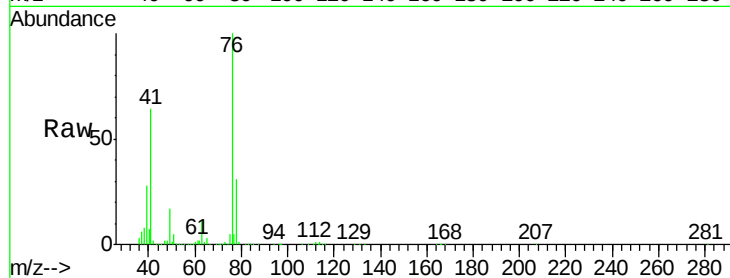
76 100

78 31.9 25.4 38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 375.198 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058156.D

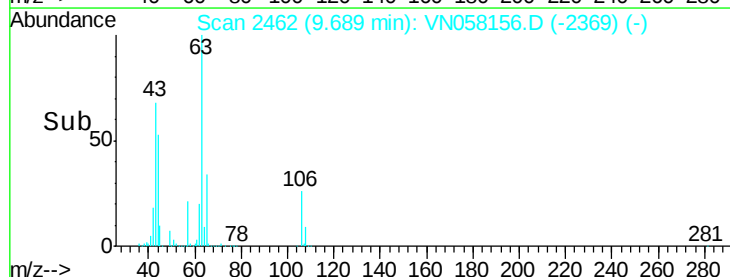
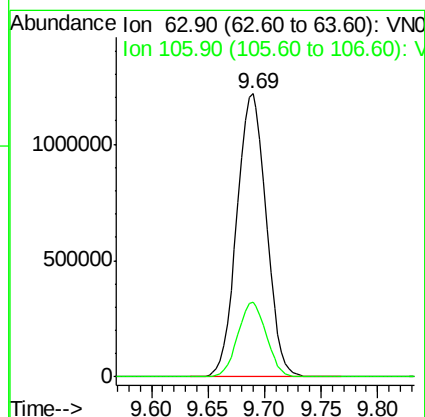
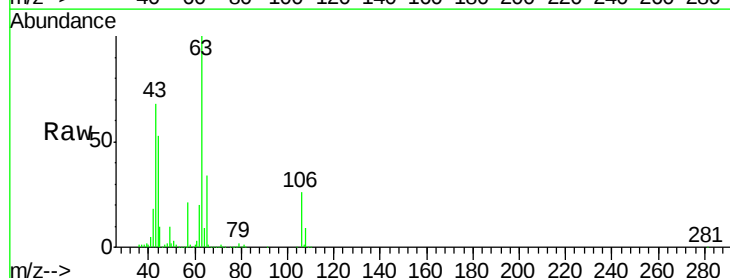
Acq: 18 Sep 2019 10:49

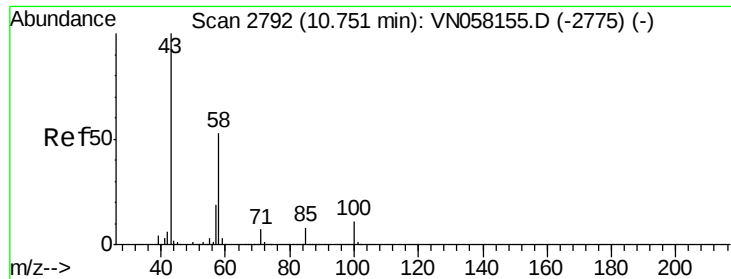
Tgt Ion: 63 Resp: 2209753

Ion Ratio Lower Upper

63 100

106 25.6 19.9 29.9





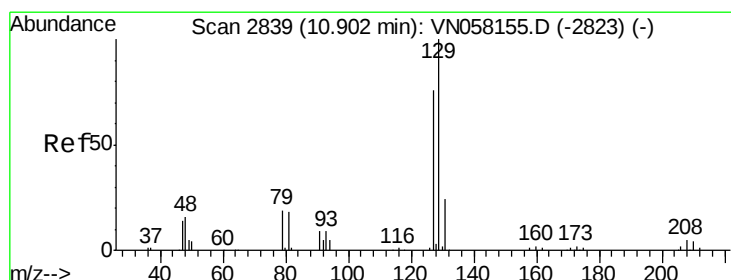
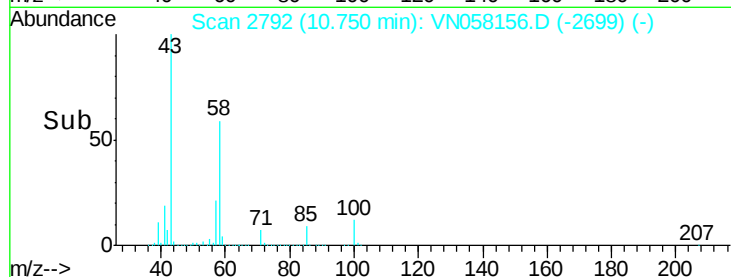
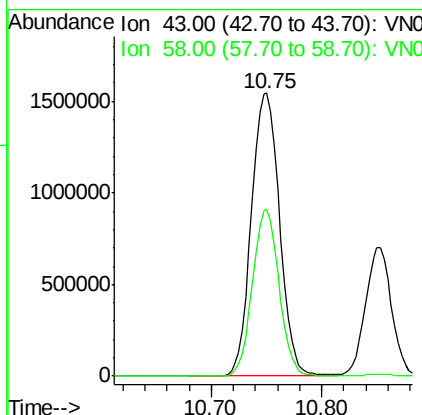
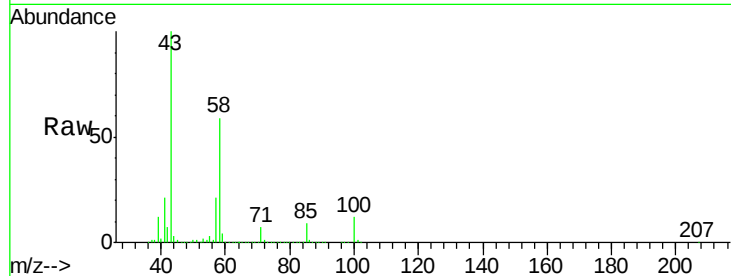
#59
2-Hexanone
Concen: 341.928 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2735860
Ion Ratio Lower Upper
43 100
58 55.6 26.0 78.0

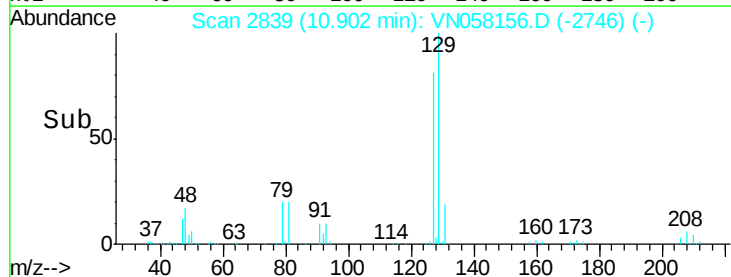
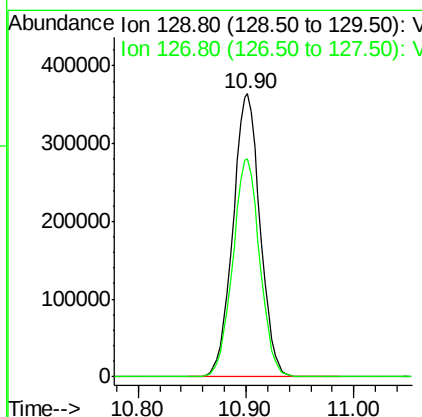
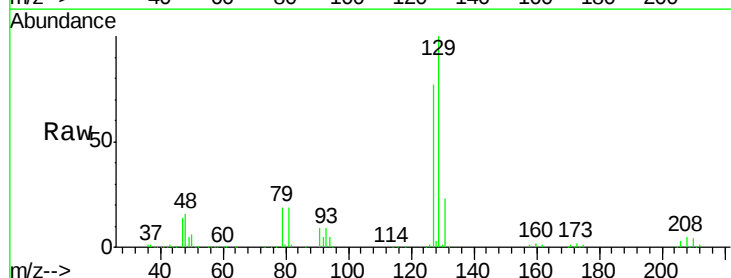
Manual Integrations
APPROVED

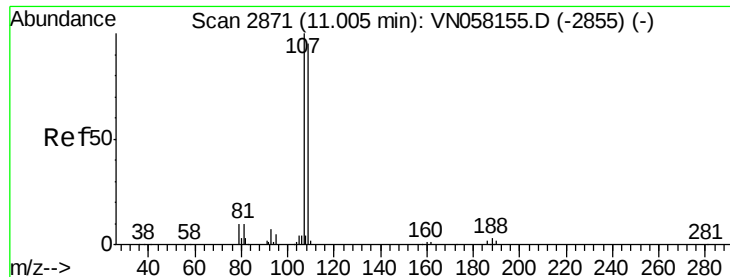
MMDadoda
9/20/2019 1:14:29 PM



#60
Dibromochloromethane
Concen: 81.838 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 129 Resp: 639409
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 70.452 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 559736

Ion Ratio Lower Upper

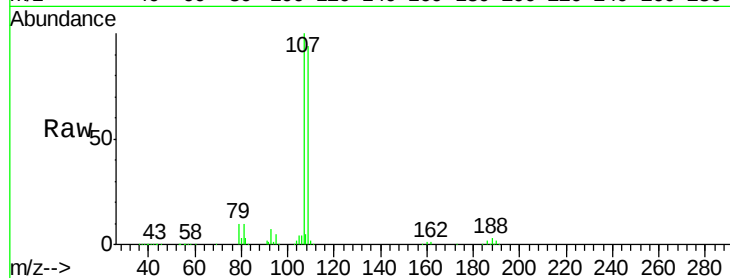
107 100

109 93.5 75.4 113.2

Manual Integrations
APPROVED

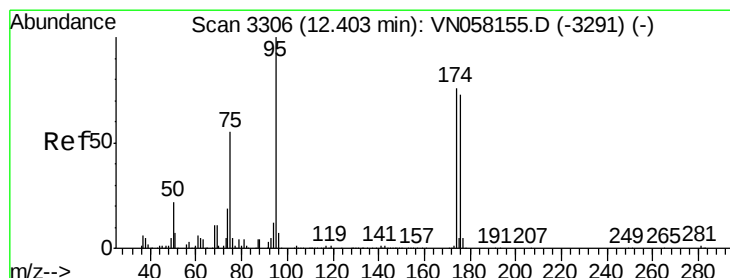
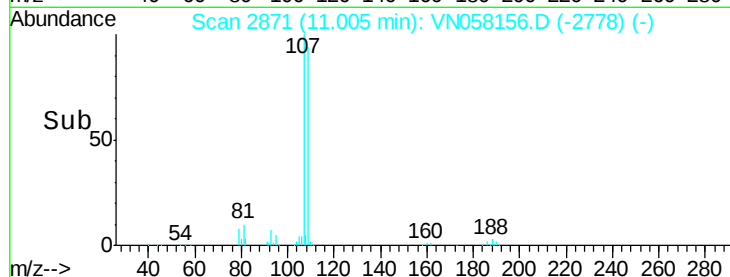
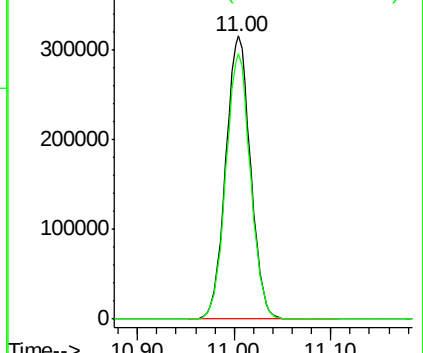
MMDadoda

9/20/2019 1:14:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 70.728 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

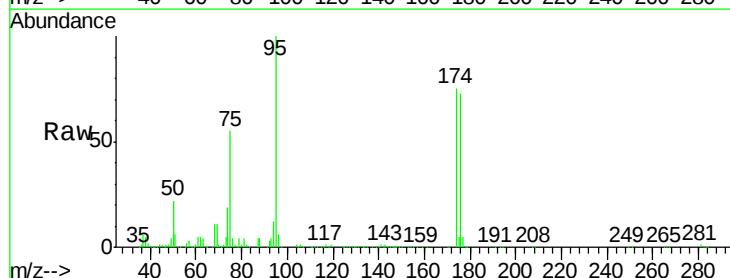
Tgt Ion: 95 Resp: 875741

Ion Ratio Lower Upper

95 100

174 74.9 0.0 152.2

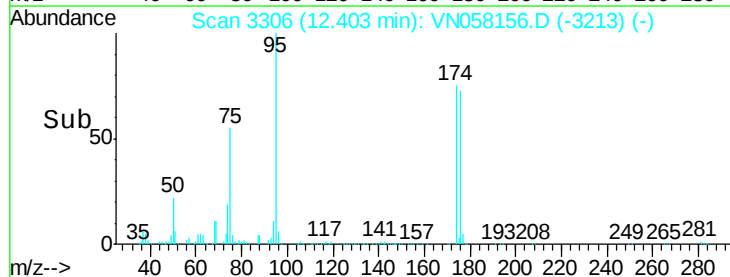
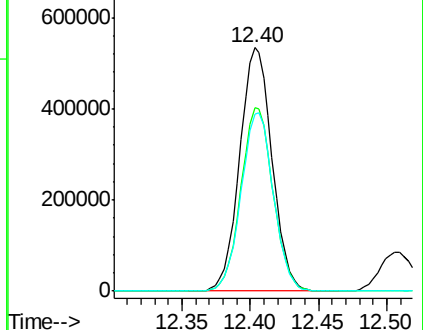
176 73.2 0.0 148.0

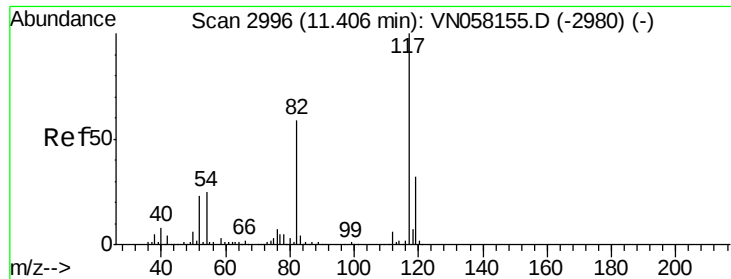


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





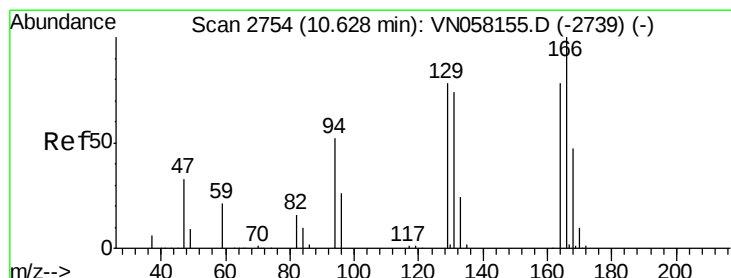
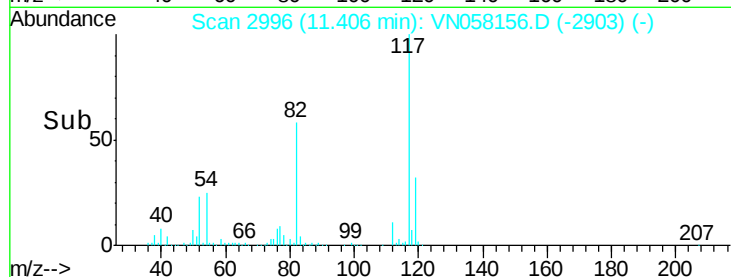
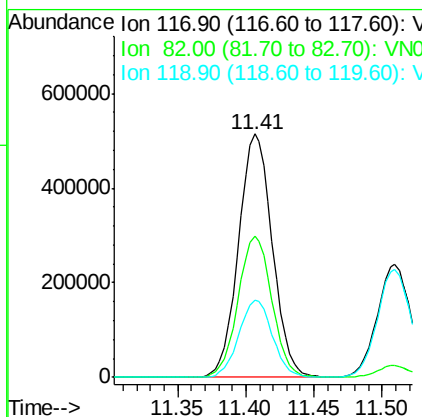
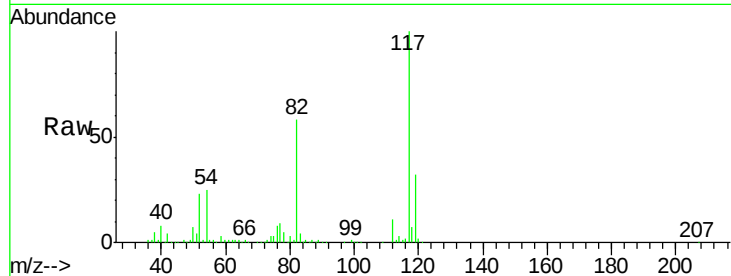
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	884216		
82	58.2	46.9	70.3	
119	31.7	25.3	37.9	

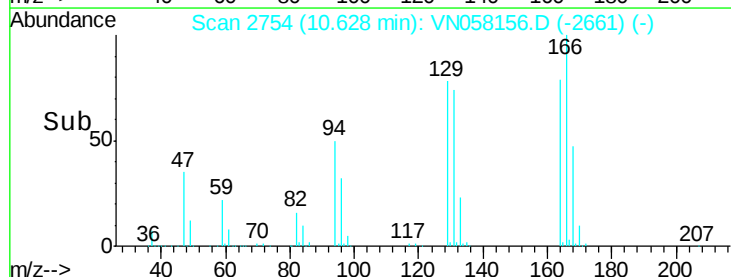
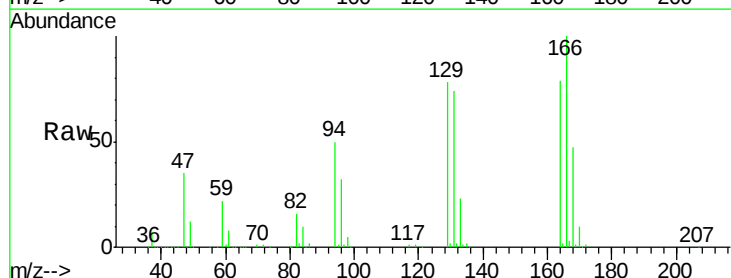
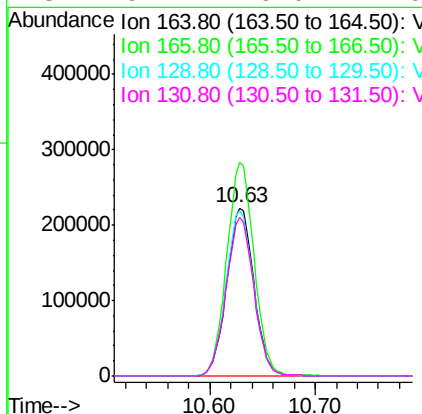
Manual Integrations
APPROVED

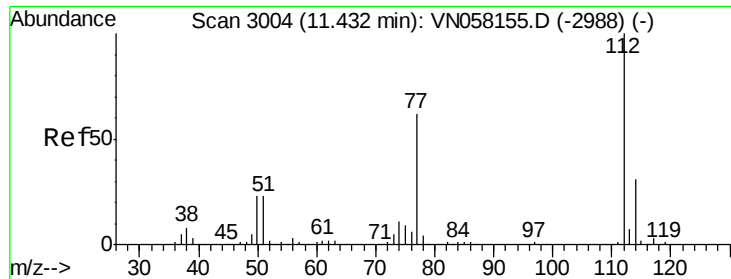
MMDadoda
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#64
Tetrachloroethene
Concen: 64.399 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	397100		
166	127.1	102.2	153.4	
129	98.5	79.6	119.4	
131	94.2	76.0	114.0	





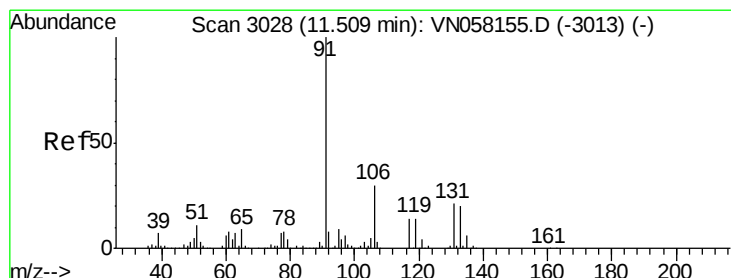
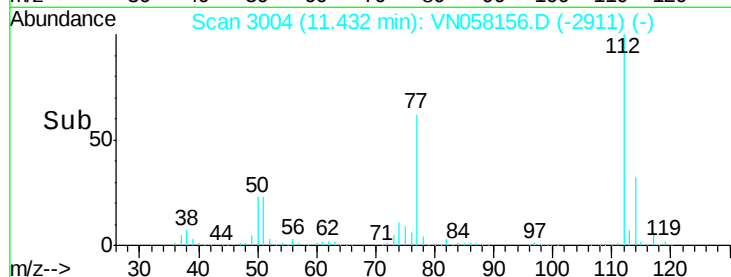
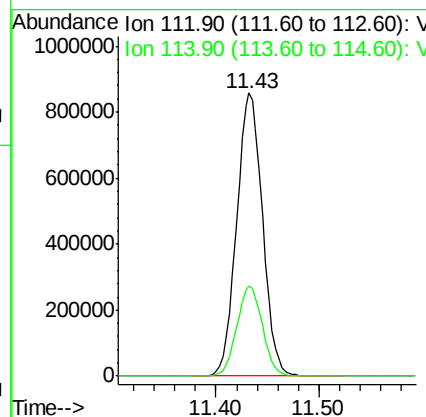
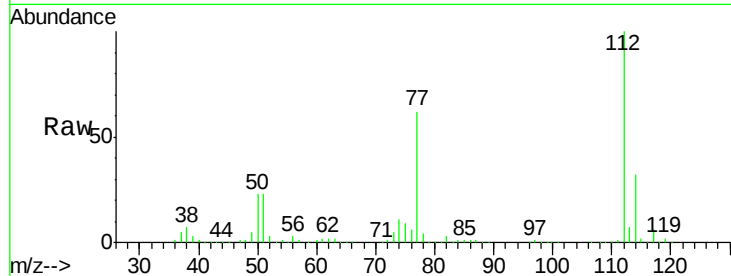
#65
Chlorobenzene
Concen: 68.633 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1494114
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

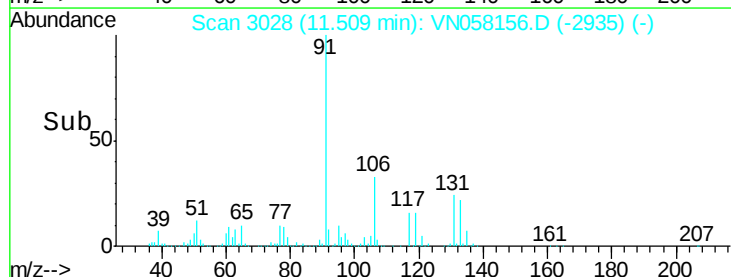
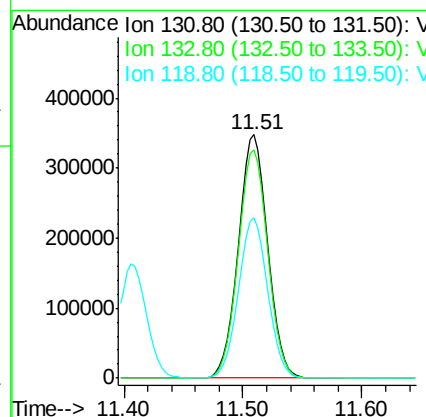
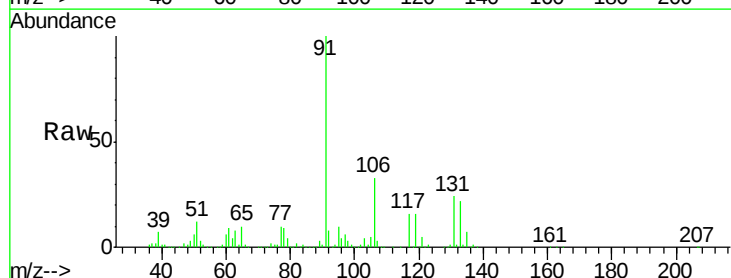
Manual Integrations
APPROVED

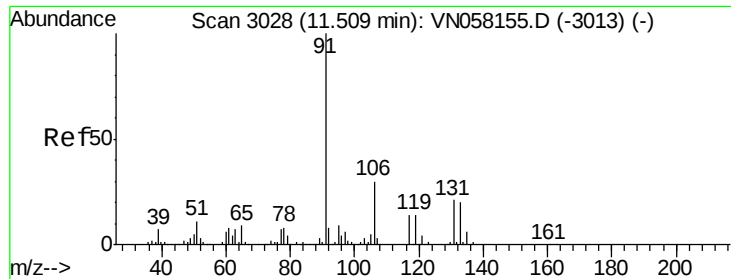
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 78.203 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion:131 Resp: 592228
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 65.8 33.1 99.3





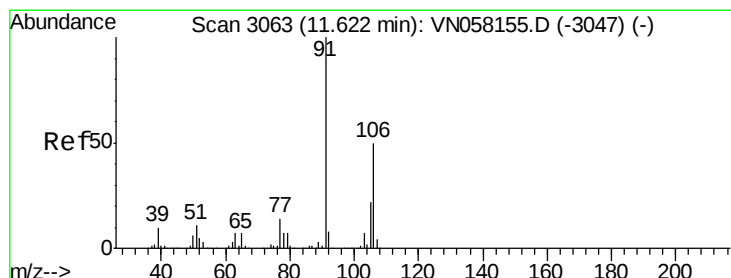
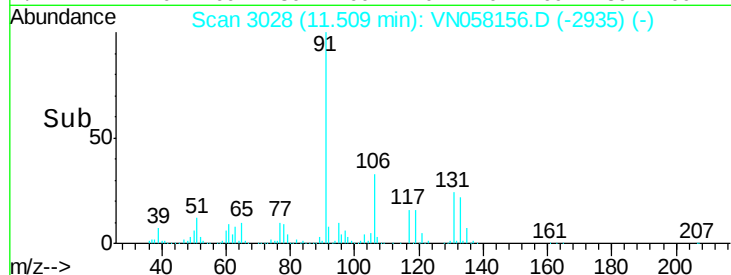
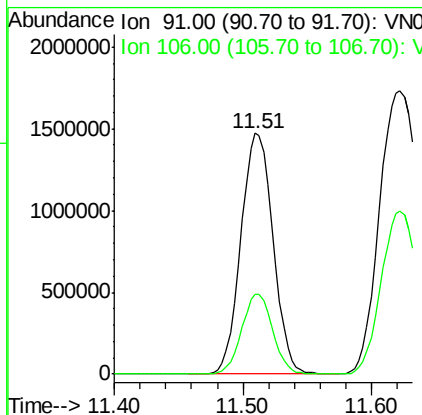
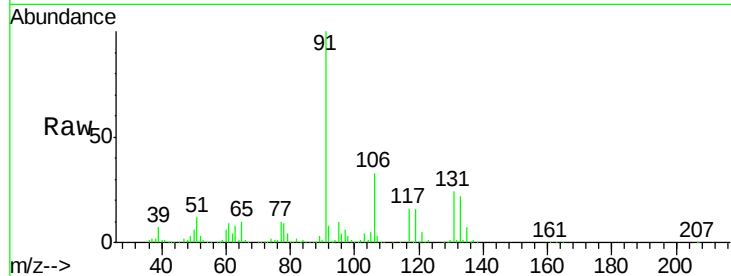
#67
Ethyl Benzene
Concen: 67.107 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2557645
Ion Ratio Lower Upper
91 100
106 33.5 24.0 36.0

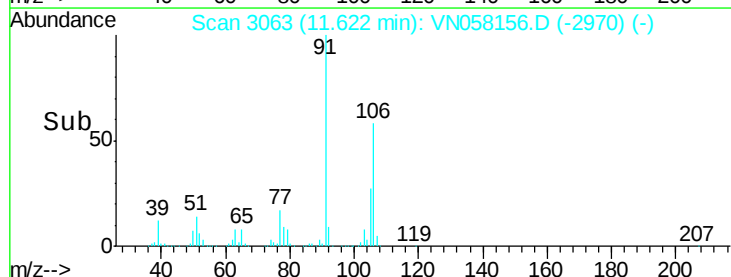
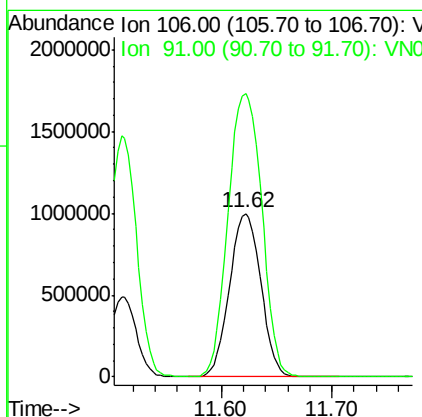
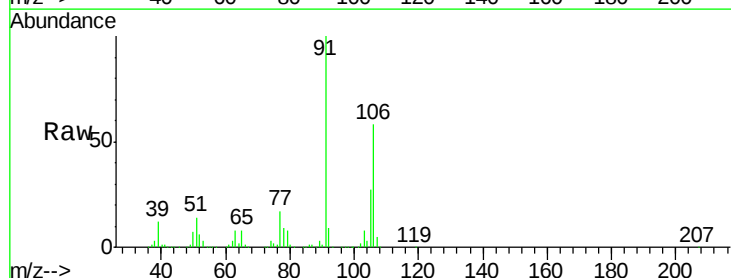
Manual Integrations
APPROVED

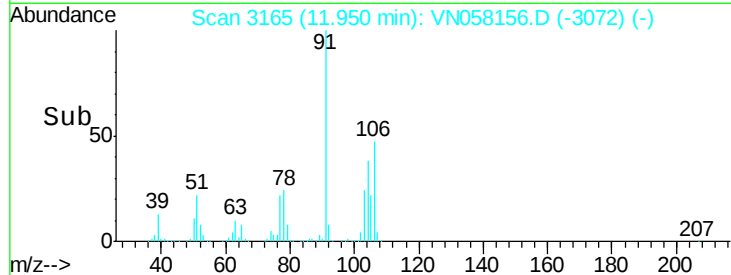
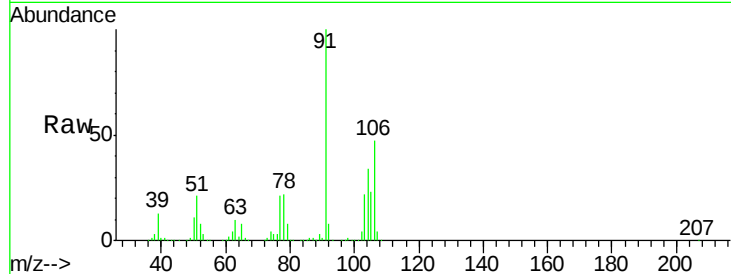
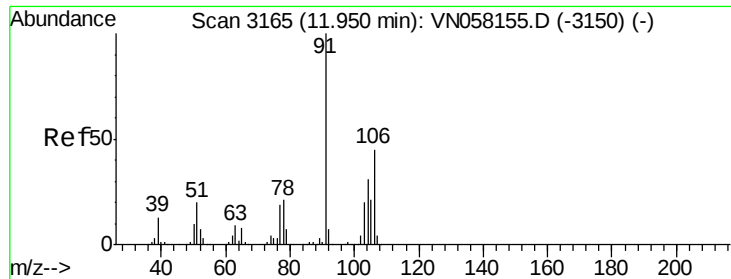
MMDadoda
9/20/2019 1:14:29 PM



#68
m/p-Xylenes
Concen: 140.729 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 106 Resp: 1963975
Ion Ratio Lower Upper
106 100
91 187.2 163.6 245.4





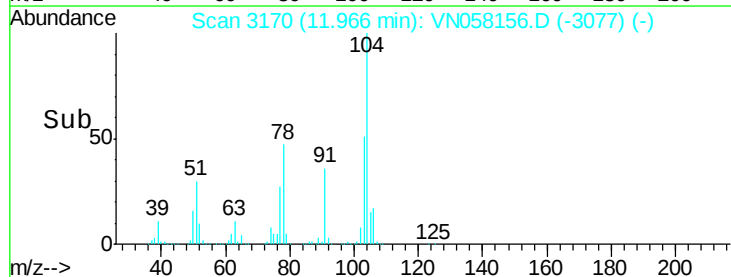
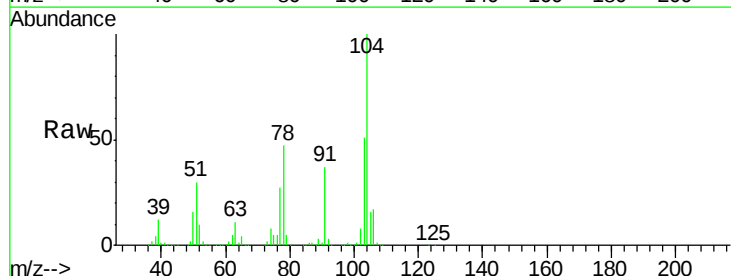
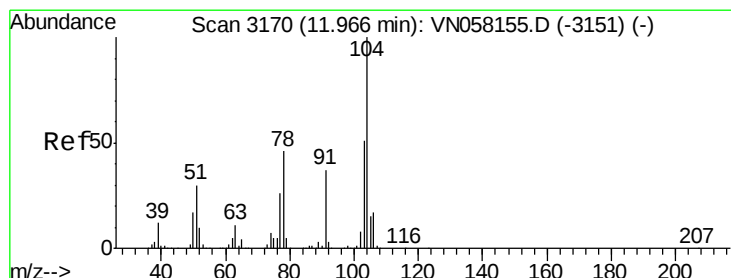
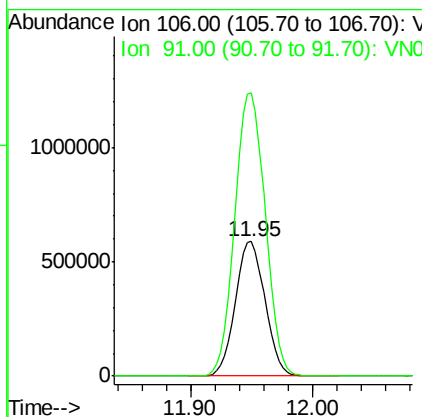
#69
o-Xylene
Concen: 71.679 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tot Ion	Ratio	Resp	Lower	Upper
106	100	991435		
91	215.9	111.8	335.3	

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

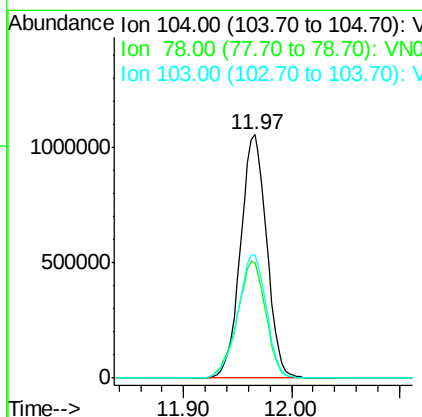
Manual Integrations
APPROVED

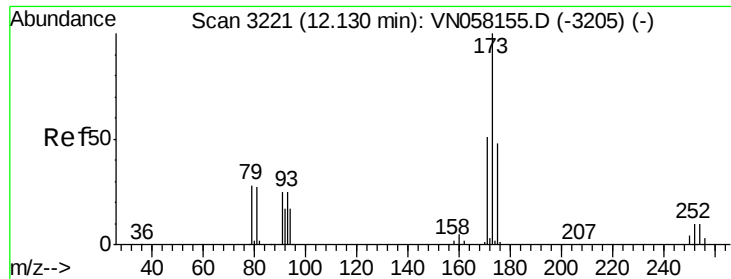
MMDadoda
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#70
Styrene
Concen: 74.862 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1781686		
78	52.4	41.8	62.8	
103	55.0	44.2	66.2	





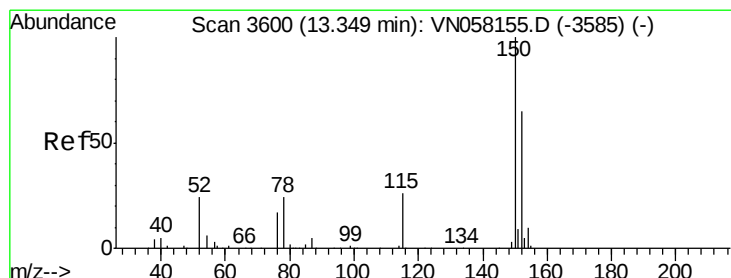
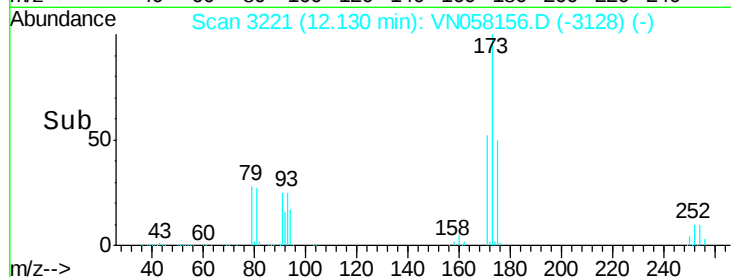
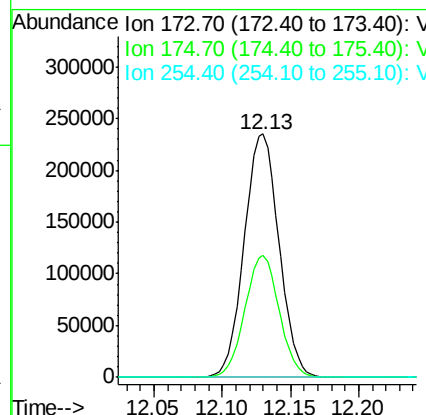
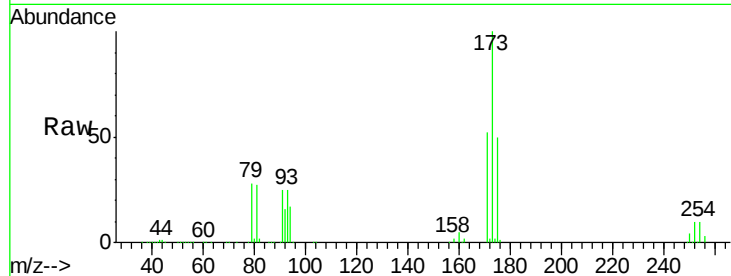
#71
Bromoform
Concen: 88.512 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.1	0.1#

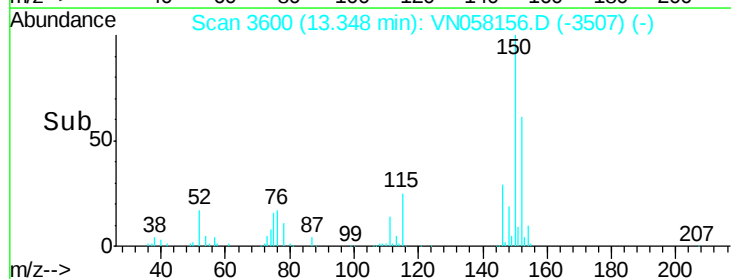
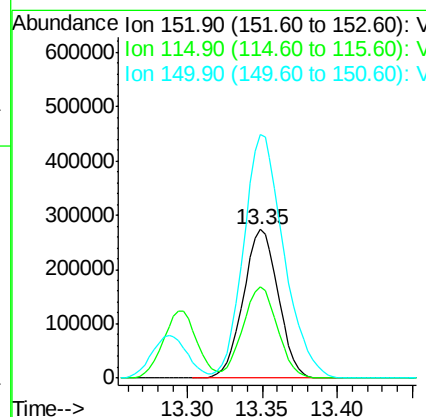
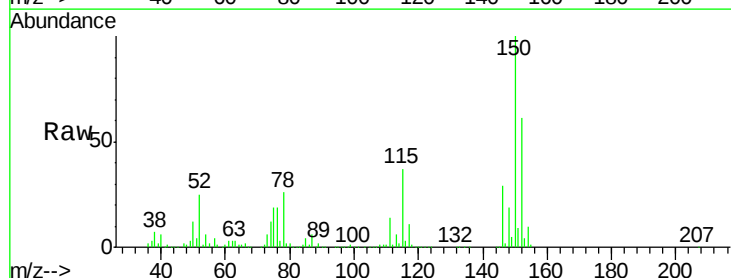
Manual Integrations
APPROVED

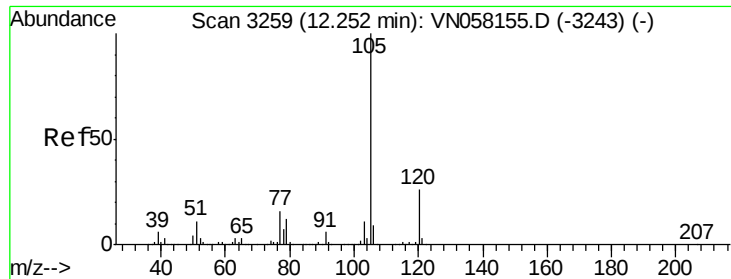
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	188.0	0.0	346.4





#73

Isopropylbenzene

Concen: 79.855 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2664512

Ion Ratio Lower Upper

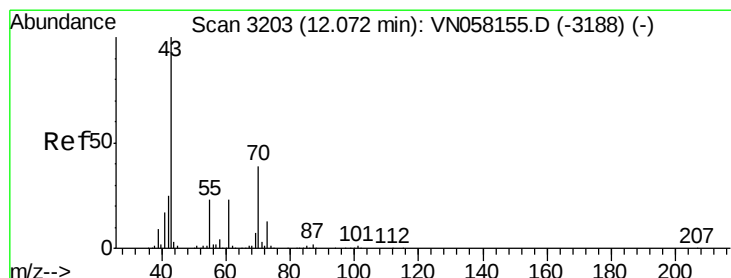
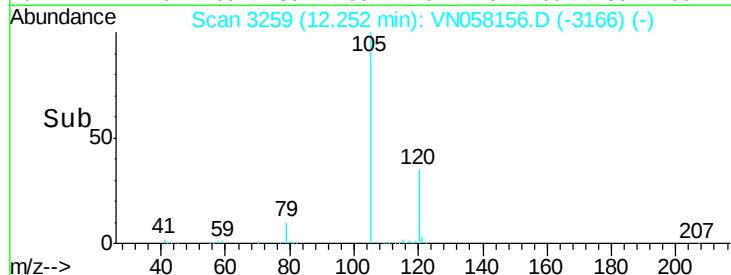
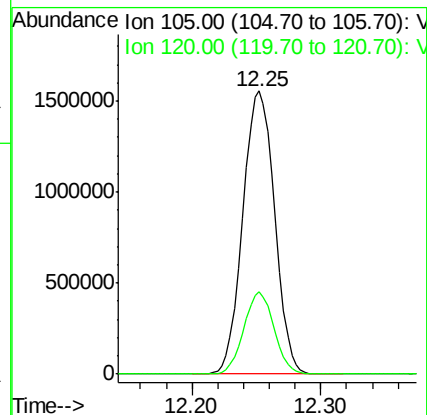
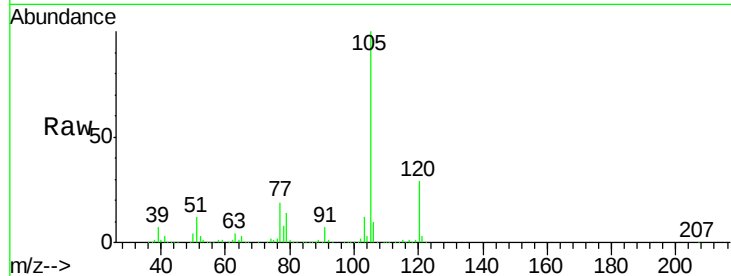
105 100

120 27.4 12.8 38.3

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 87.315 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion: 43 Resp: 1260850

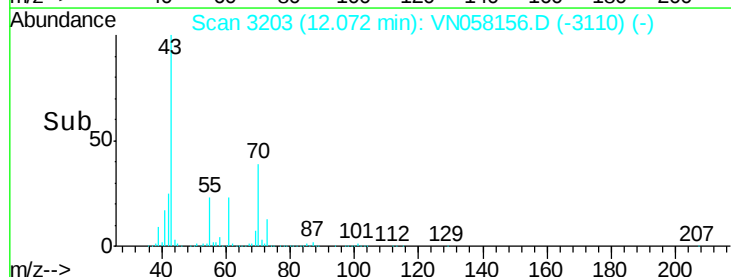
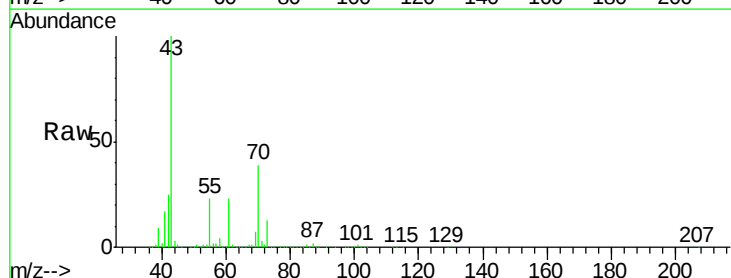
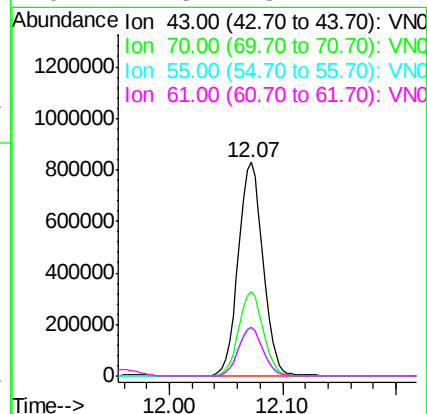
Ion Ratio Lower Upper

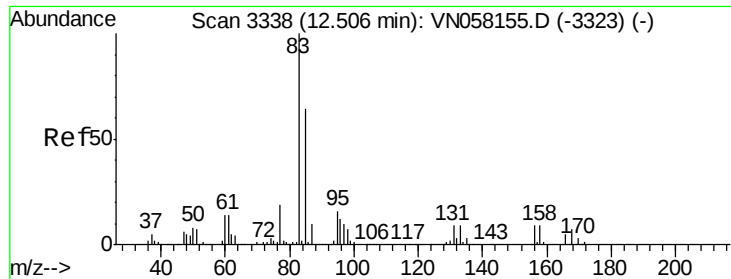
43 100

70 39.4 31.0 46.6

55 23.0 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 81.649 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

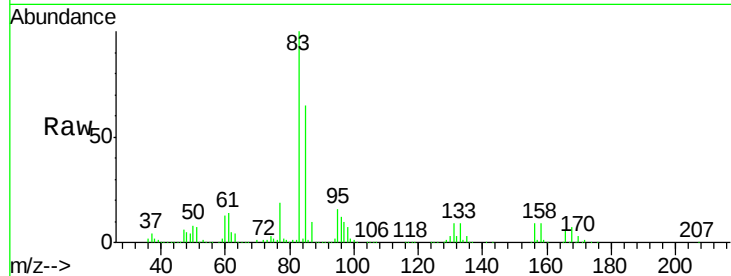
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	916726
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.3	31.9	95.5

Manual Integrations
APPROVED

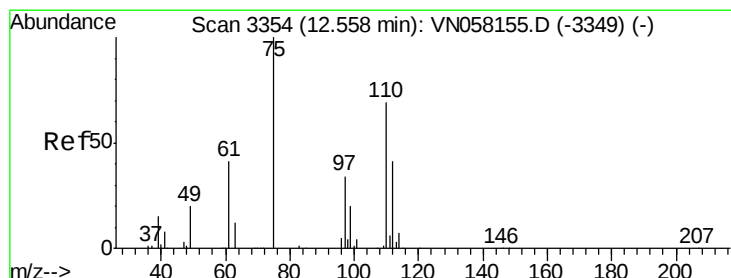
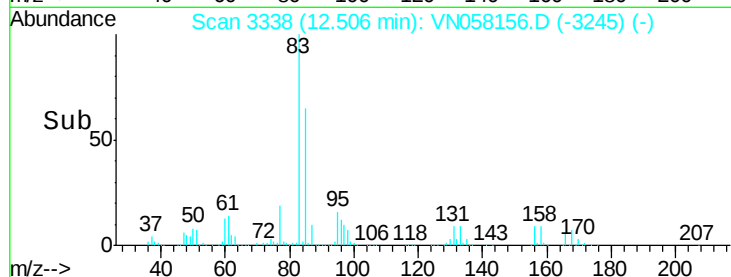
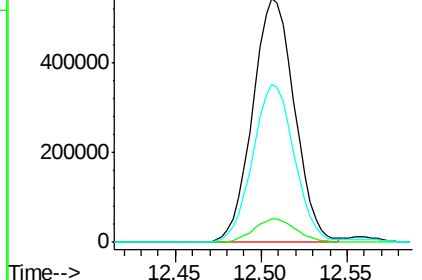
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN058156.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058156.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058156.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 79.278 ug/l m

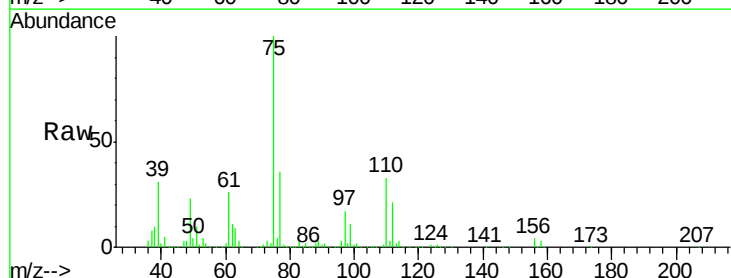
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058156.D

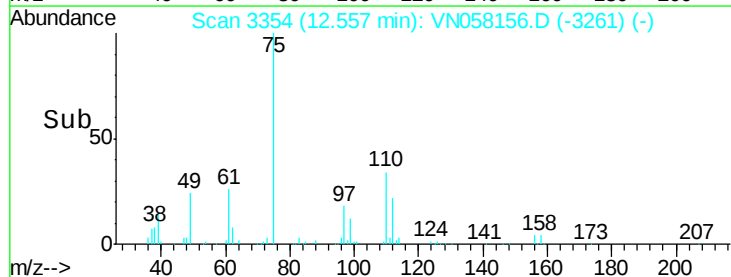
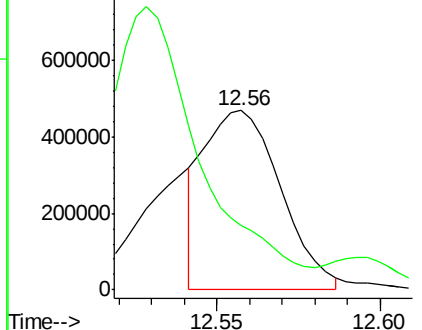
Acq: 18 Sep 2019 10:49

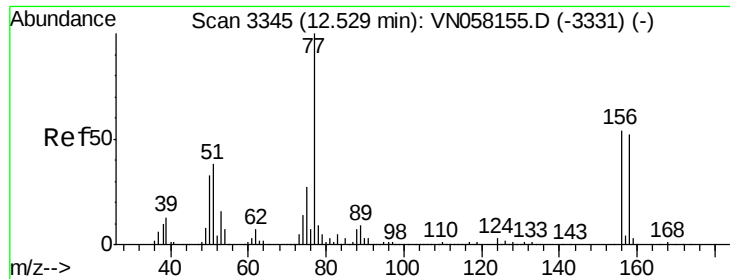
Tgt Ion:	75	Resp:	765888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058156.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058156.D (-3349) (-)





#77

Bromobenzene

Concen: 79.572 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

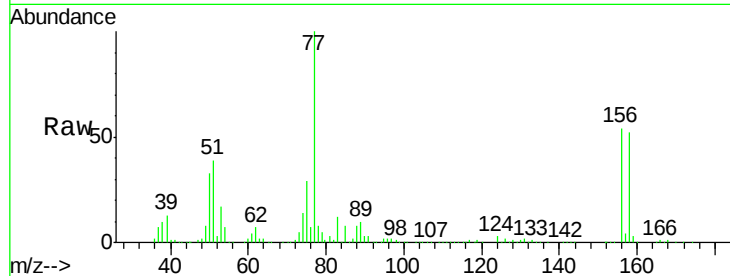
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	665518
Ion Ratio	Lower	Upper	
156	100		
77	226.5	111.7	335.1
158	97.3	47.9	143.8

Manual Integrations
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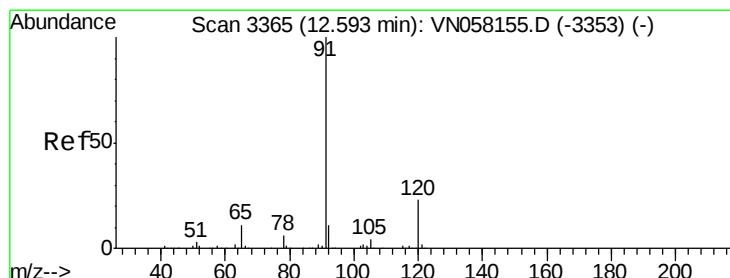
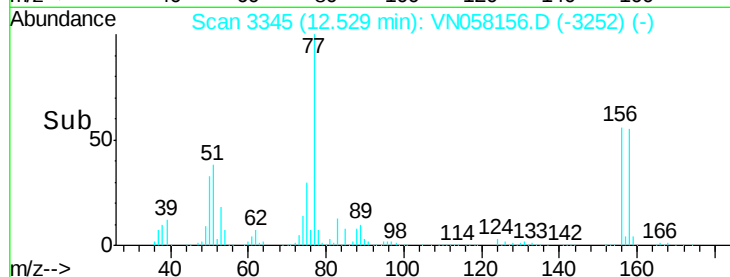
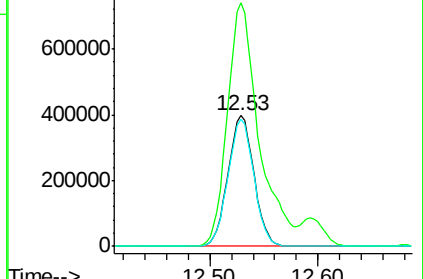
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 78.616 ug/l

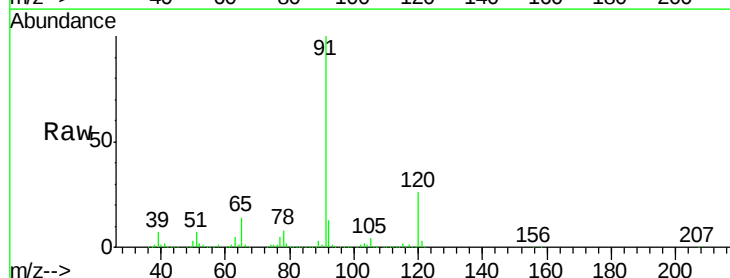
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058156.D

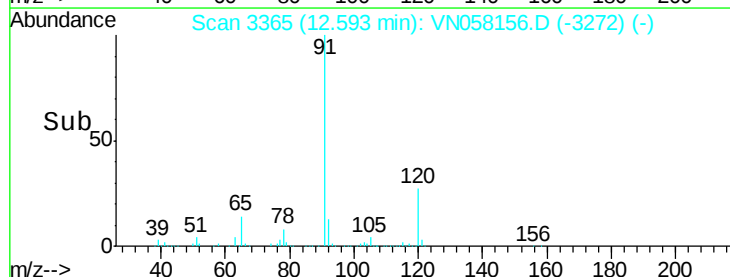
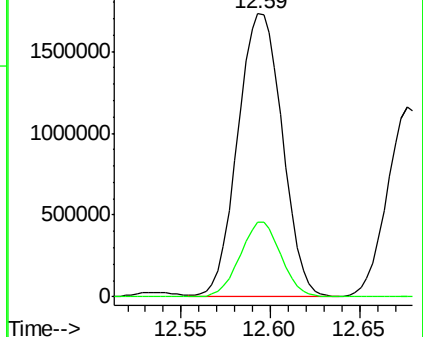
Acq: 18 Sep 2019 10:49

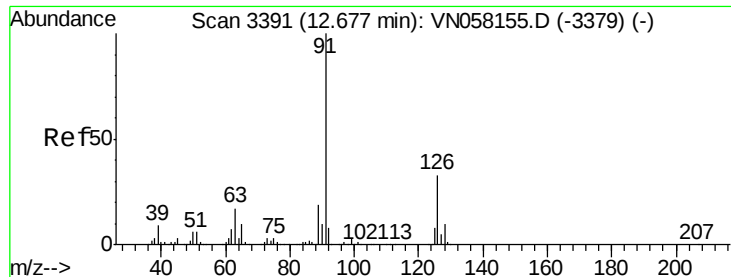
Tgt Ion:	91	Resp:	3007817
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 80.434 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1949810

Ion Ratio Lower Upper

91 100

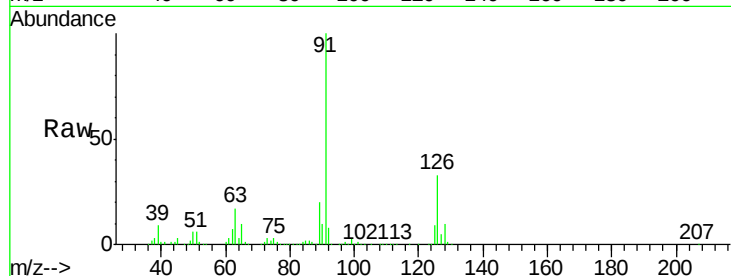
126 33.0 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

1500000

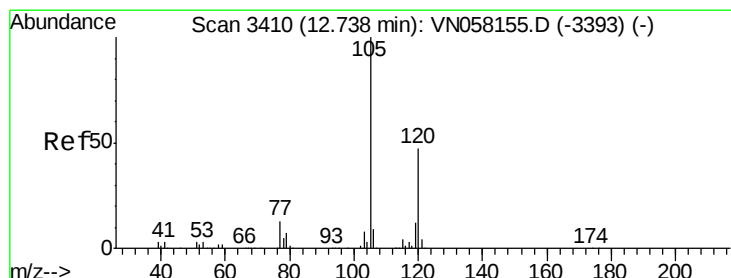
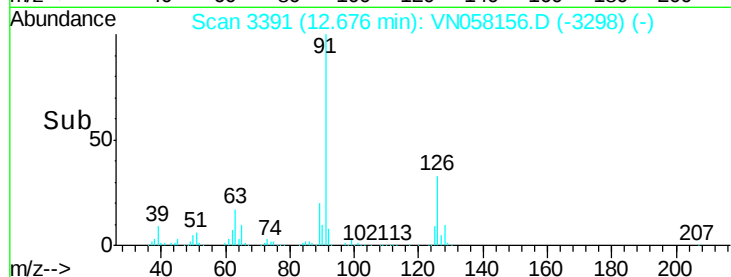
1000000

500000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 82.750 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058156.D

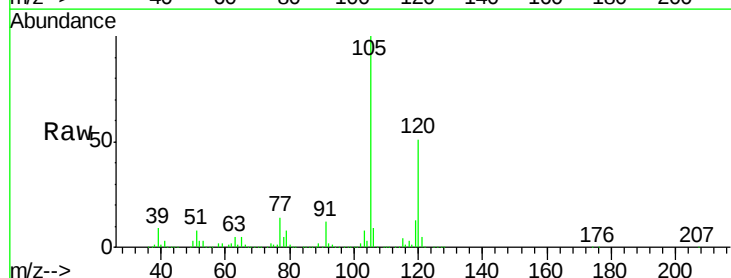
Acq: 18 Sep 2019 10:49

Tgt Ion: 105 Resp: 2335535

Ion Ratio Lower Upper

105 100

120 49.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

1500000

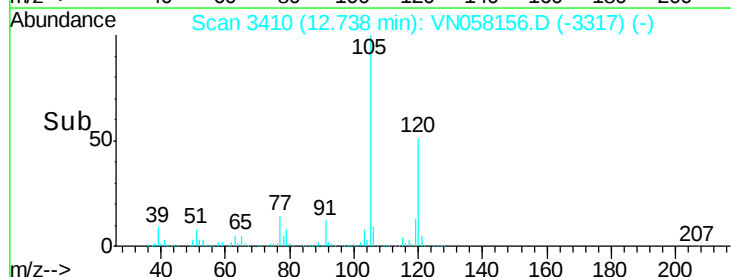
1000000

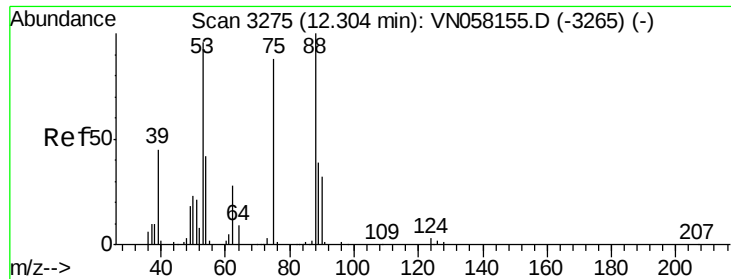
500000

0

12.65 12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 100.486 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 274623

Ion Ratio Lower Upper

75 100

53 107.5 90.1 135.1

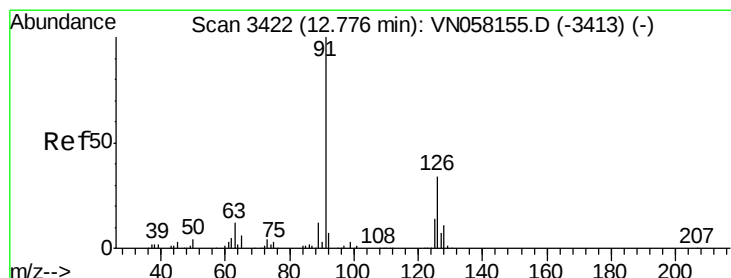
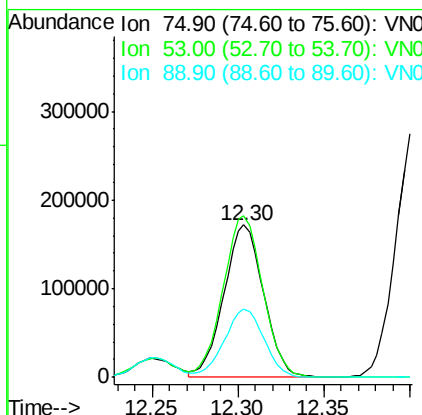
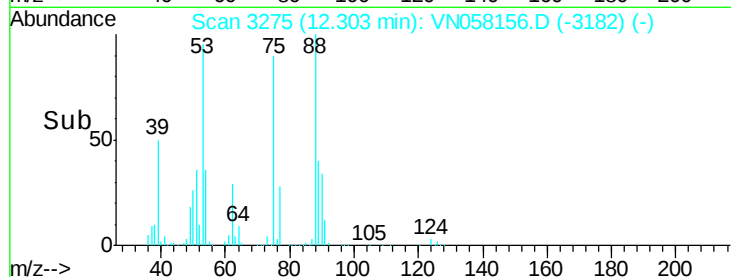
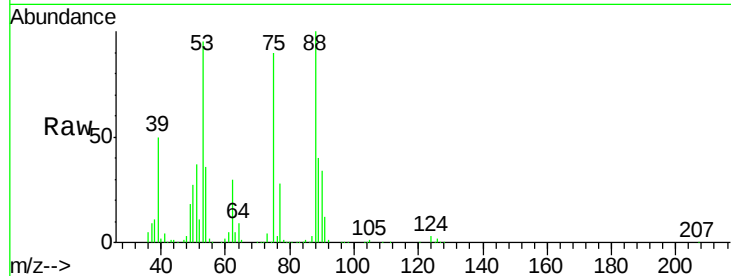
89 44.9 36.2 54.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 82.881 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058156.D

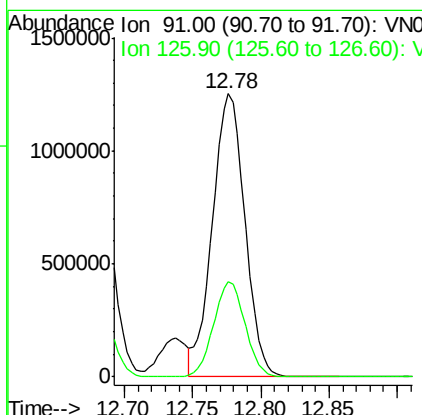
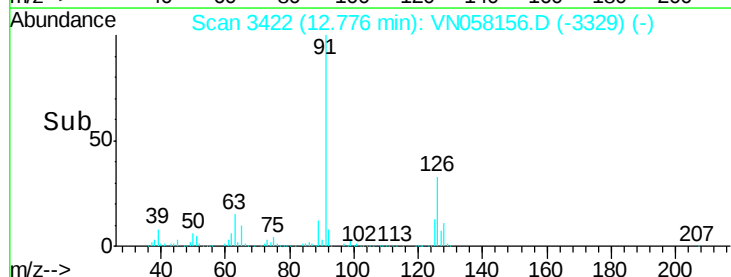
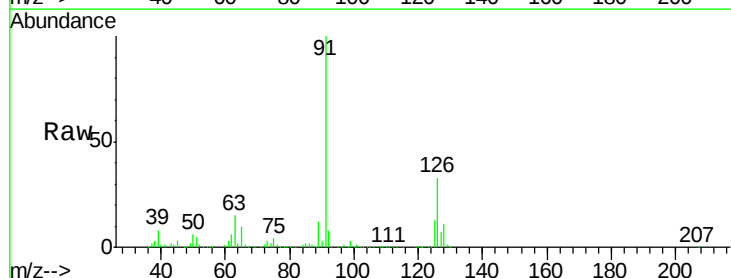
Acq: 18 Sep 2019 10:49

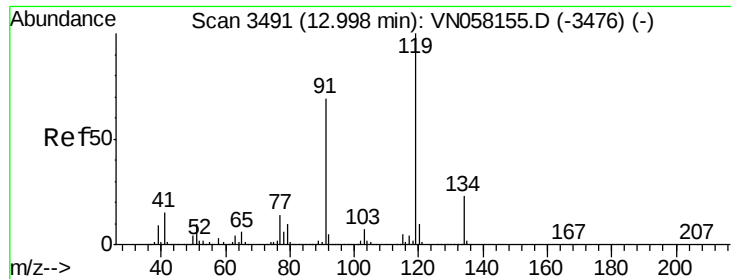
Tgt Ion: 91 Resp: 2063558

Ion Ratio Lower Upper

91 100

126 32.6 15.7 47.1





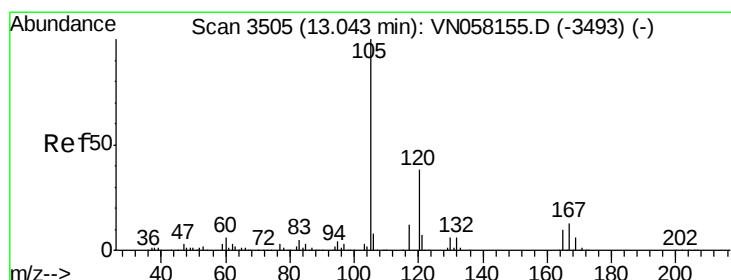
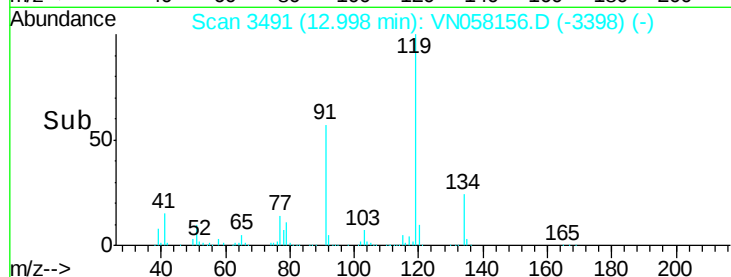
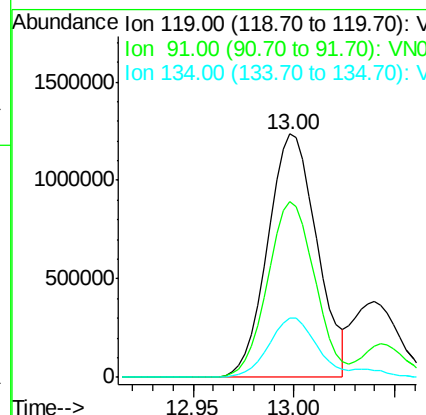
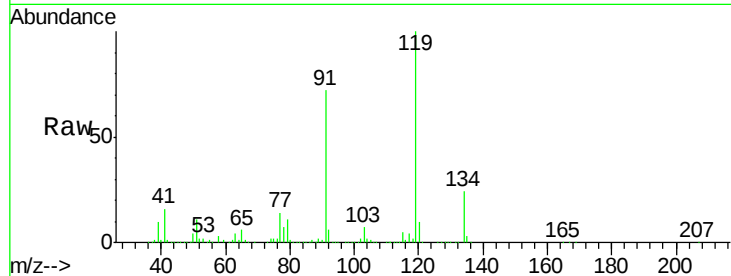
#83
 tert-Butylbenzene
 Concen: 83.452 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2092875
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.8 101.3
 134 23.7 11.6 34.8

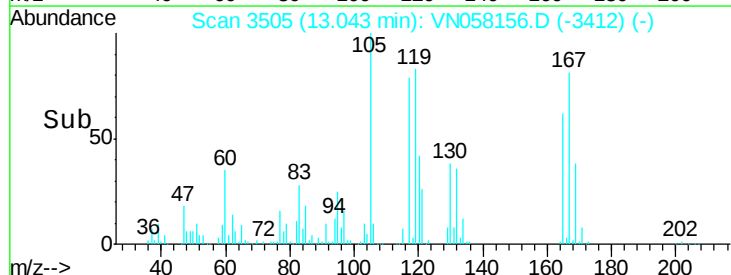
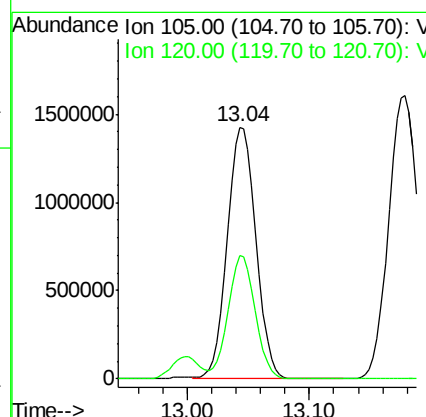
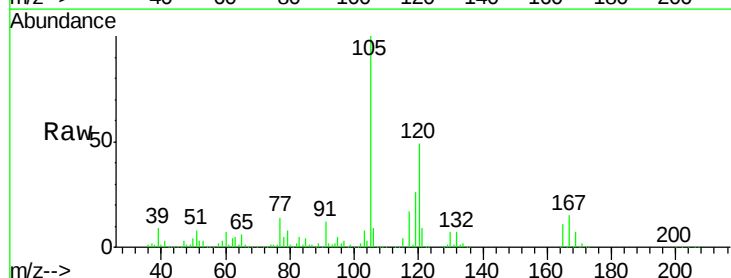
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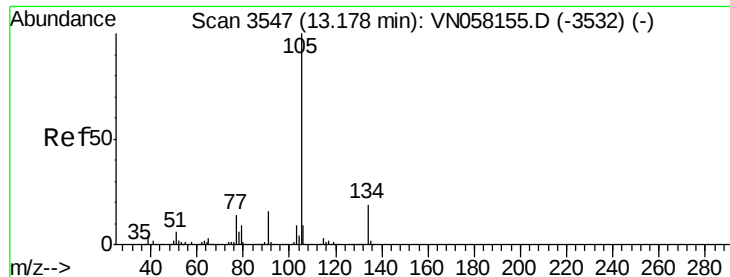
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#84
 1,2,4-Trimethylbenzene
 Concen: 82.197 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion:105 Resp: 2351206
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 81.758 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2713906

Ion Ratio Lower Upper

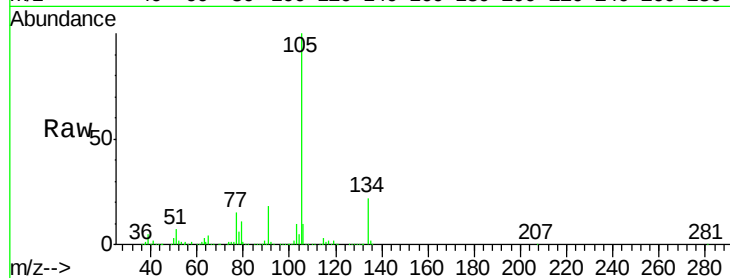
105 100

134 20.2 9.5 28.5

Manual Integrations
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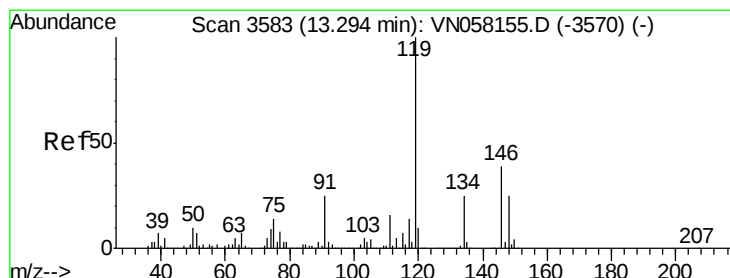
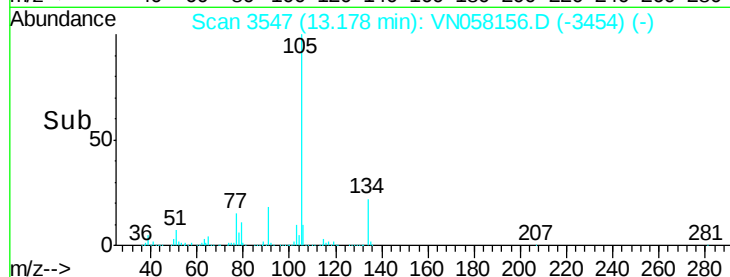
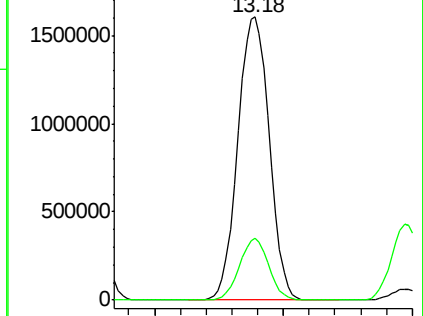
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 84.769 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

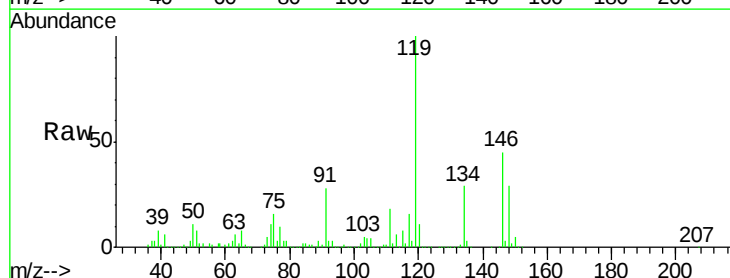
Tgt Ion:119 Resp: 2476029

Ion Ratio Lower Upper

119 100

134 27.0 12.7 38.0

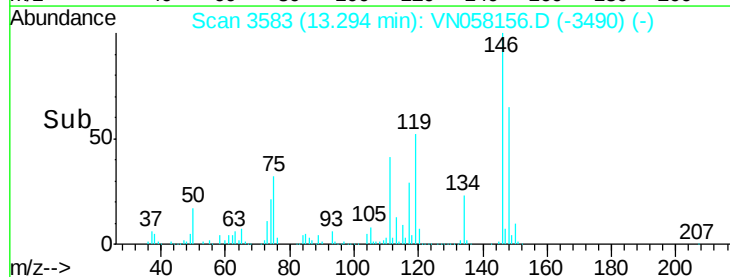
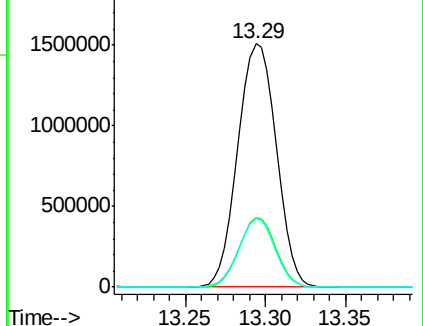
91 26.5 12.3 36.8

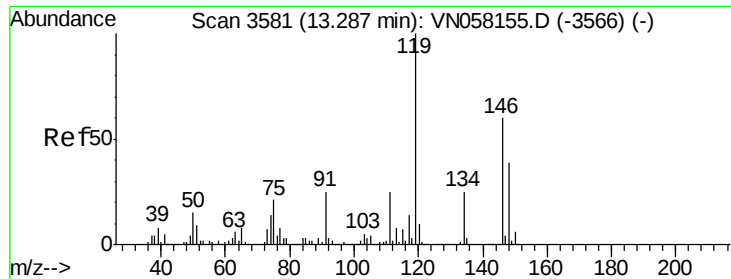


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 84.533 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 1291501

Ion Ratio Lower Upper

146 100

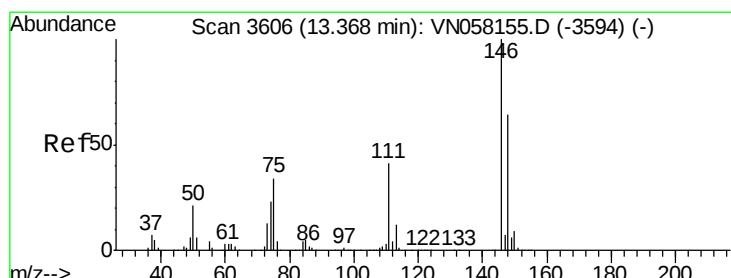
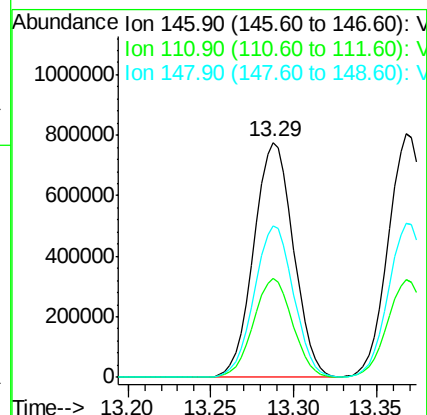
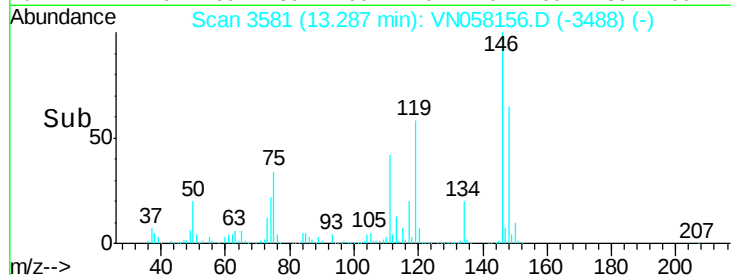
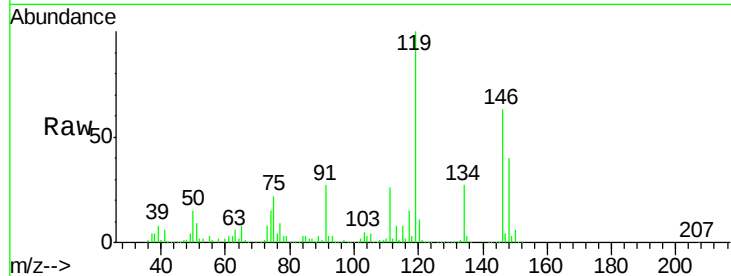
111 41.5 20.9 62.8

148 63.9 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 83.806 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

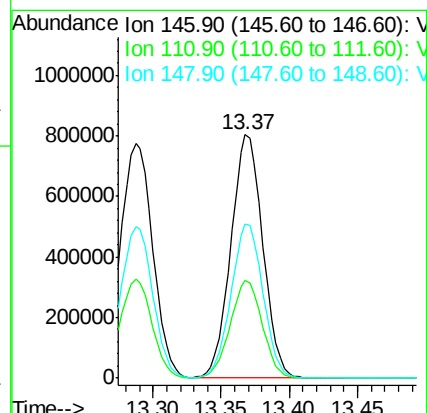
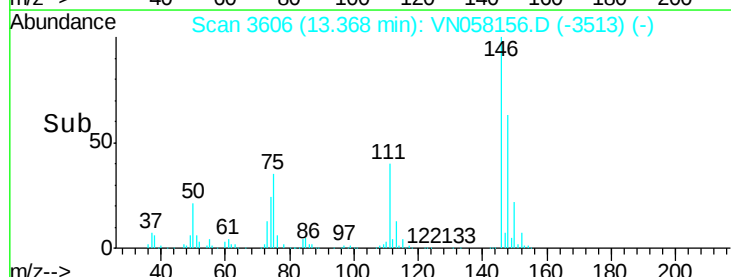
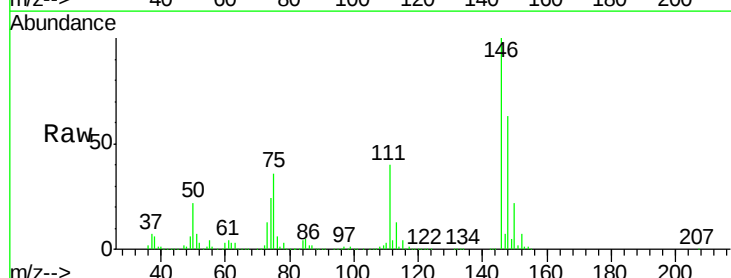
Tgt Ion:146 Resp: 1304176

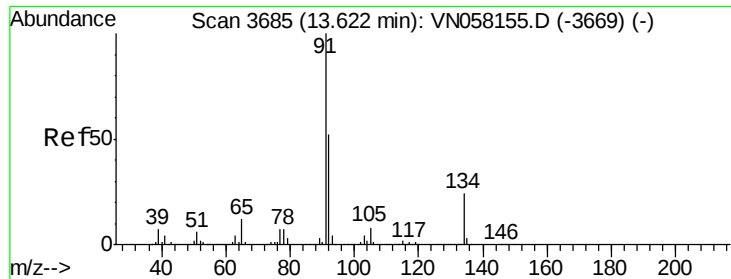
Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.5

148 63.4 31.9 95.5





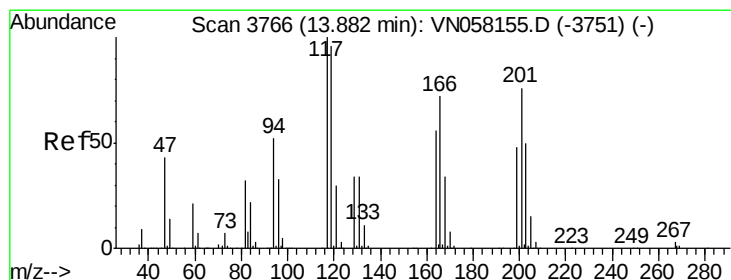
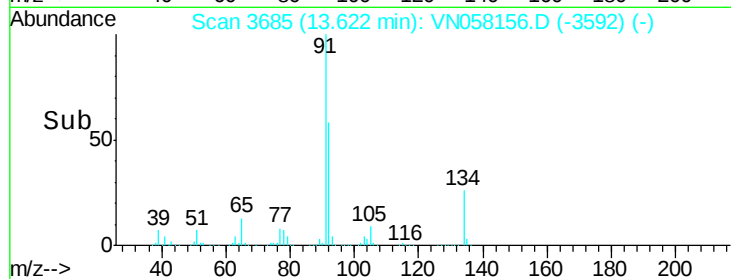
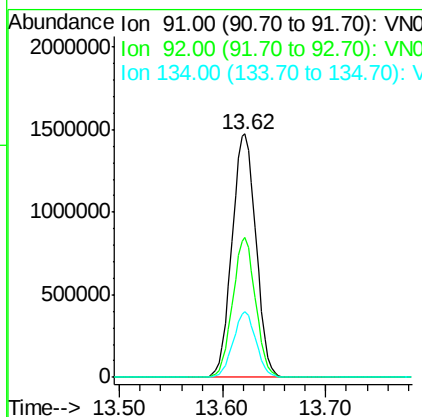
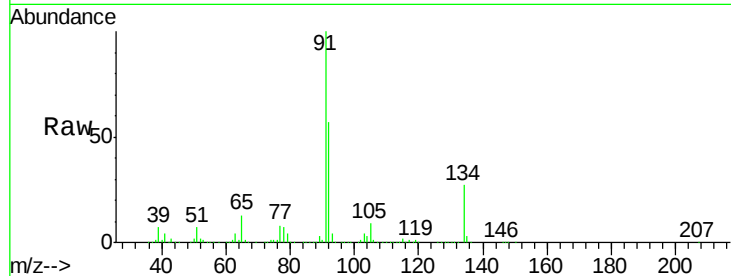
#89
n-Butylbenzene
Concen: 86.264 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	25.7	77.0
134	25.7	11.8	35.4

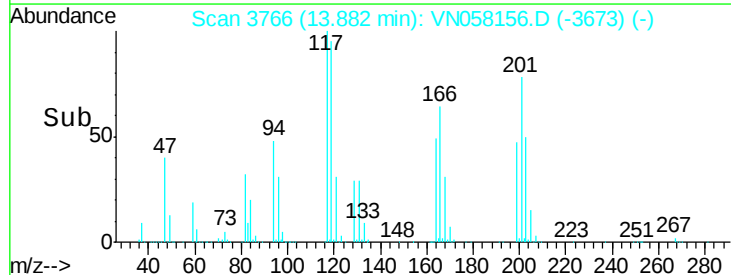
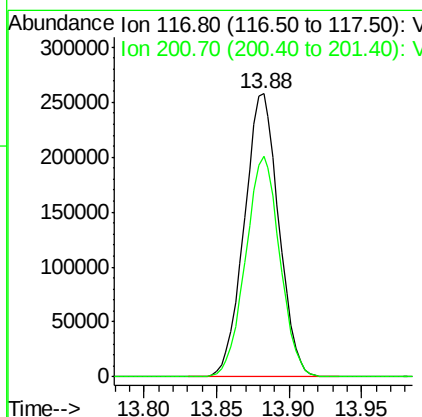
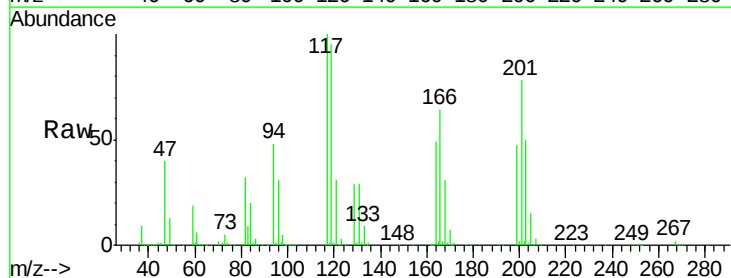
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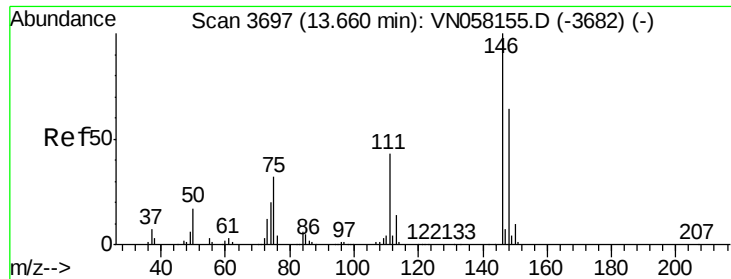
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#90
Hexachloroethane
Concen: 97.874 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	37.5	112.5





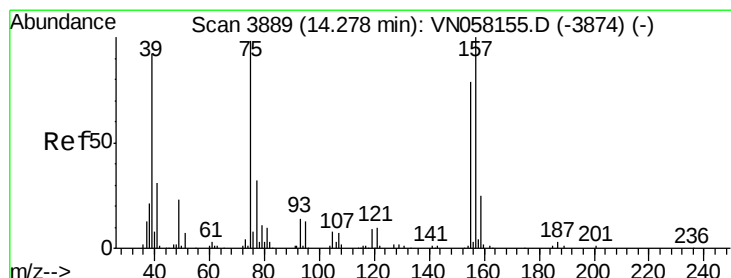
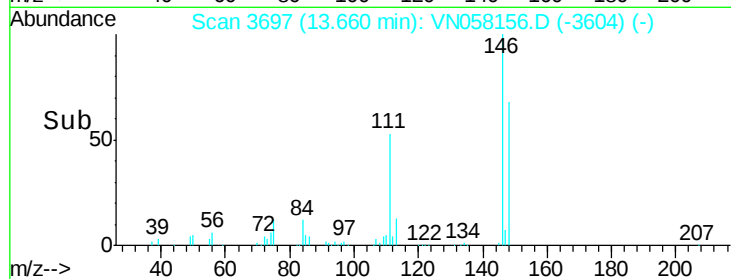
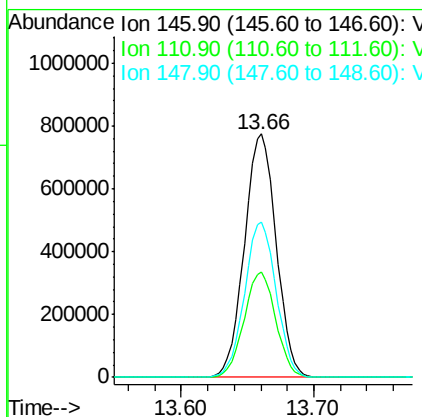
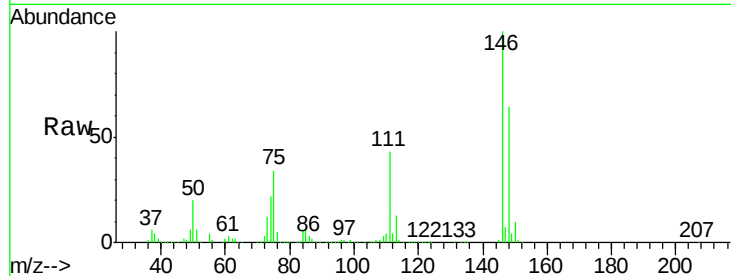
#91
 1,2-Dichlorobenzene
 Concen: 84.297 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.1
148	63.6	31.8	95.4

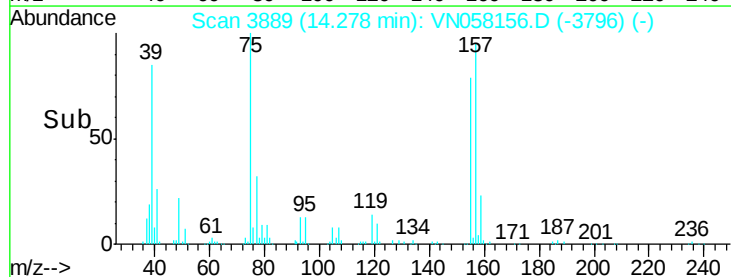
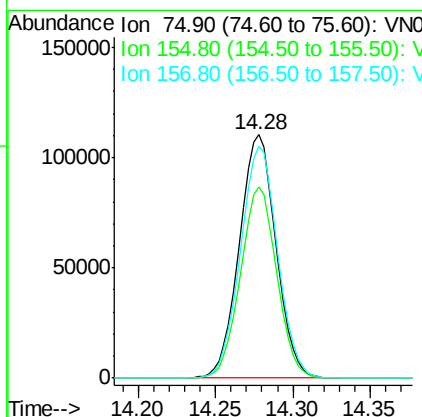
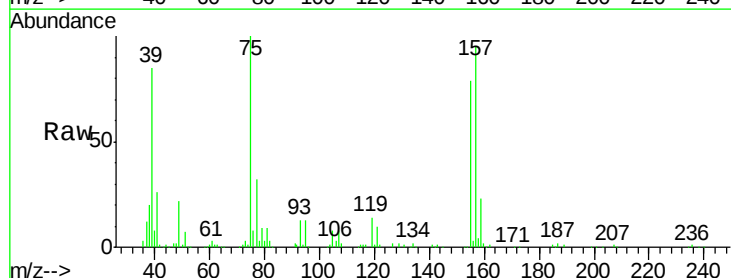
Manual Integrations
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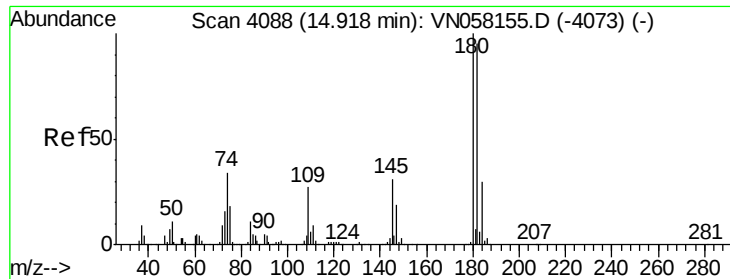
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.953 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.3	114.8
157	96.5	48.0	144.0





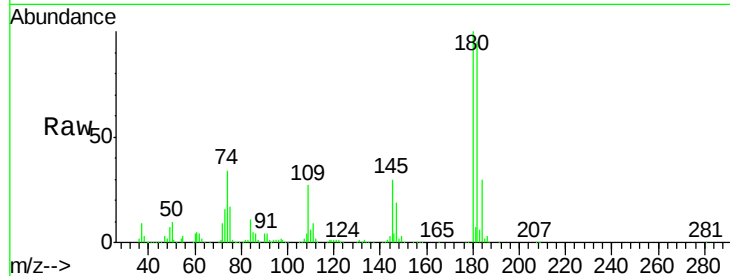
#93
1,2,4-Trichlorobenzene
Concen: 87.193 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

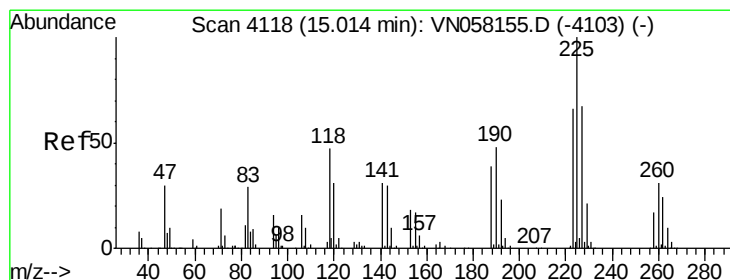
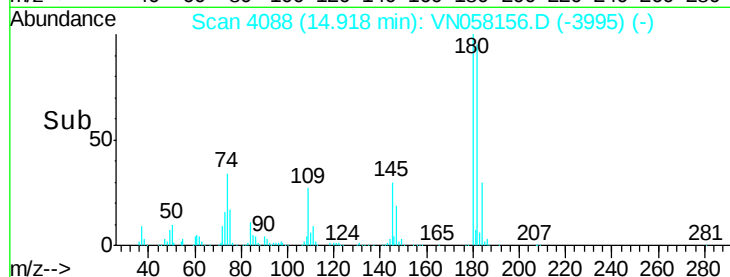
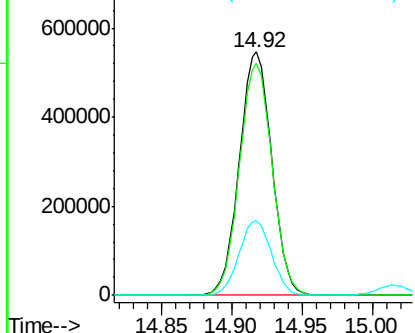
Tot Ion	Ratio	Resp	Lower	Upper
180	100	881756		
182	96.0	47.8	143.3	
145	30.7	15.4	46.4	

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:14:29 PM

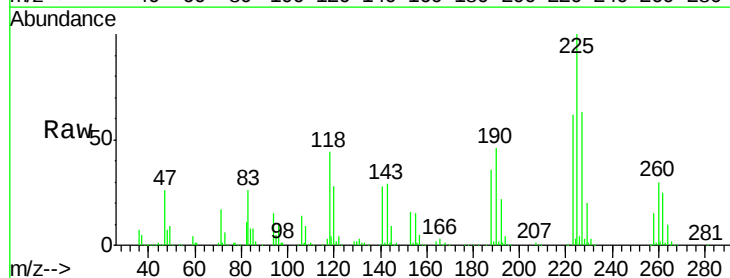


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

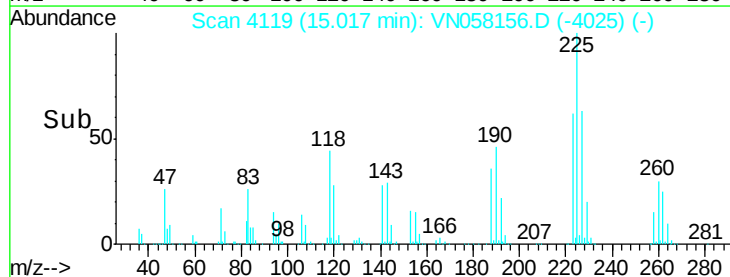
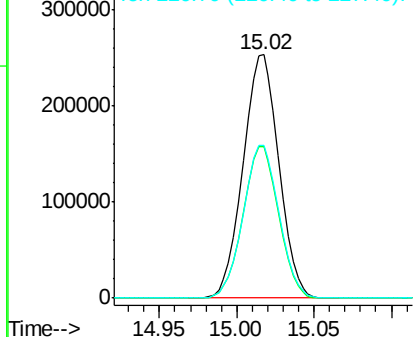


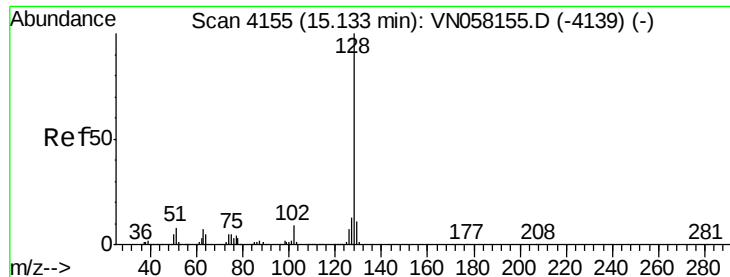
#94
Hexachlorobutadiene
Concen: 93.950 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	407369		
223	62.0	32.6	97.7	
227	62.9	33.0	99.0	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 82.145 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2380092

Ion Ratio Lower Upper

128 100

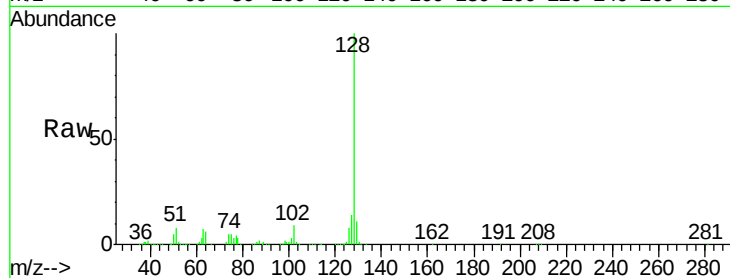
127 13.3 10.2 15.2

129 11.0 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

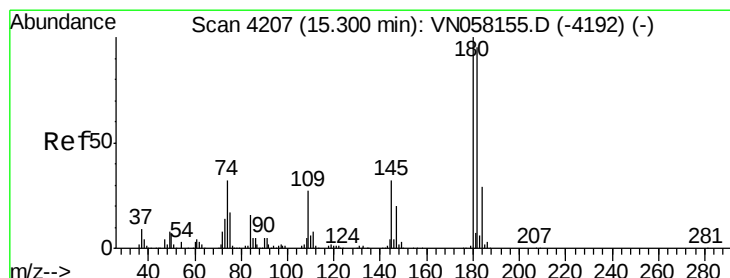
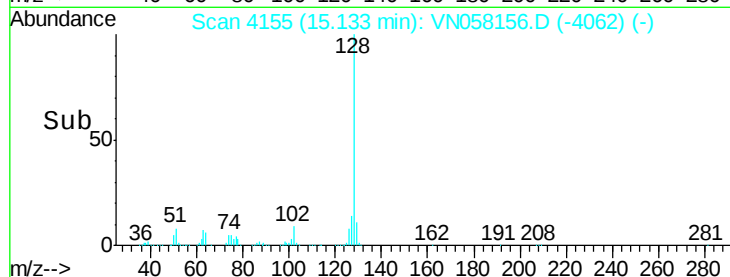
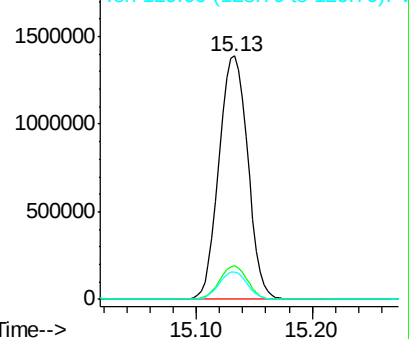
9/20/2019 1:14:29 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 84.669 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

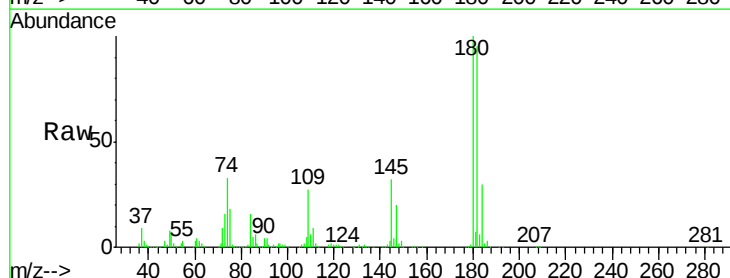
Tgt Ion:180 Resp: 837524

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.2

145 31.7 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

