

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058103.D
 Acq On : 16 Sep 2019 9:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:57:03 PM

Quant Time: Sep 17 03:58:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	339014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	513705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	357307	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.57	113	258894	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.08	98	1023501	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	371854	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	249372	53.189	ug/l	99
3) Chloromethane	2.04	50	203079	42.498	ug/l	98
4) Vinyl Chloride	2.17	62	216395	42.788	ug/l	100
5) Bromomethane	2.54	94	134585	48.377	ug/l	97
6) Chloroethane	2.68	64	135656	42.094	ug/l	100
7) Trichlorofluoromethane	3.00	101	301200	47.325	ug/l	99
8) Diethyl Ether	3.39	74	136532	51.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217877	54.267	ug/l	99
10) Methyl Iodide	3.93	142	218342	48.870	ug/l	99
11) Tert butyl alcohol	4.76	59	190570	229.309	ug/l	100
12) 1,1-Dichloroethene	3.72	96	179343	49.681	ug/l	96
13) Acrolein	3.59	56	47877	67.904	ug/l	99
14) Allyl chloride	4.30	41	365633	51.756	ug/l	100
15) Acrylonitrile	4.96	53	618616	270.818	ug/l	99
16) Acetone	3.79	43	673778	299.330	ug/l	98
17) Carbon Disulfide	4.03	76	261032	46.471	ug/l	99
18) Methyl Acetate	4.30	43	346739	57.773	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	836629	55.690	ug/l	99
20) Methylene Chloride	4.53	84	244005	57.117	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	195296	50.046	ug/l	98
22) Diisopropyl ether	5.93	45	935300	56.455	ug/l	99
23) Vinyl Acetate	5.87	43	3410524	290.476	ug/l	99
24) 1,1-Dichloroethane	5.83	63	496250	54.808	ug/l	100
25) 2-Butanone	6.81	43	906585	278.271	ug/l	96
26) 2,2-Dichloropropane	6.81	77	412475	57.564	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	281164	53.764	ug/l	98
28) Bromochloromethane	7.17	49	236081	52.190	ug/l	96
29) Tetrahydrofuran	7.19	42	528607	263.310	ug/l	99
30) Chloroform	7.36	83	522038	55.142	ug/l	100
31) Cyclohexane	7.64	56	336781	54.797	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	417715	55.633	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324939	51.698	ug/l	99
37) Ethyl Acetate	6.91	43	347671	53.538	ug/l	99
38) Carbon Tetrachloride	7.76	117	330384	57.574	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342284	51.804	ug/l	97
40) Benzene	8.03	78	1024669	54.150	ug/l	98
41) Methacrylonitrile	7.16	41	178706	60.624	ug/l	95
42) 1,2-Dichloroethane	8.11	62	424974	56.155	ug/l	99
43) Isopropyl Acetate	8.15	43	627706	57.479	ug/l	99
44) Trichloroethene	8.82	130	250337	53.938	ug/l	99
45) 1,2-Dichloropropane	9.11	63	311377	56.550	ug/l	98
46) Dibromomethane	9.20	93	187041	56.214	ug/l	99
47) Bromodichloromethane	9.40	83	402794	60.622	ug/l	98
48) Methyl methacrylate	9.19	41	303186	54.730	ug/l	99
49) 1,4-Dioxane	9.19	88	86599	924.414	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1864560	288.522	ug/l	100
52) Toluene	10.15	92	649049	54.458	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	428679	61.267	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	462696	59.896	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	292476	57.934	ug/l	99
56) Ethyl methacrylate	10.43	69	437370	57.530	ug/l	99
57) 1,3-Dichloropropane	10.71	76	493725	56.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	907736	253.509	ug/l	100
59) 2-Hexanone	10.75	43	1398735	288.765	ug/l	100
60) Dibromochloromethane	10.90	129	293175	62.538	ug/l	100
61) 1,2-Dibromoethane	11.00	107	273320	57.266	ug/l	99
64) Tetrachloroethene	10.63	164	203514	53.656	ug/l	99
65) Chlorobenzene	11.43	112	746456	55.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283361	60.742	ug/l	99
67) Ethyl Benzene	11.51	91	1335375	56.677	ug/l	100
68) m/p-Xylenes	11.62	106	986999	114.362	ug/l	100
69) o-Xylene	11.95	106	487664	56.838	ug/l	98
70) Styrene	11.97	104	865197	58.594	ug/l	99
71) Bromoform	12.13	173	181567	62.427	ug/l #	99
73) Isopropylbenzene	12.25	105	1368444	55.169	ug/l	100
74) N-amyl acetate	12.07	43	574596	53.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432632	51.802	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	363699m	50.295	ug/l	
77) Bromobenzene	12.53	156	323751	52.350	ug/l	98
78) n-propylbenzene	12.59	91	1618246	56.814	ug/l	100
79) 2-Chlorotoluene	12.68	91	953988	52.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1183606	56.474	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115555	56.234	ug/l	97
82) 4-Chlorotoluene	12.78	91	1022610	55.315	ug/l	100
83) tert-Butylbenzene	13.00	119	1025560	55.049	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1209180	56.766	ug/l	99
85) sec-Butylbenzene	13.18	105	1395151	56.500	ug/l	99
86) p-Isopropyltoluene	13.29	119	1271001	58.418	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	623973	54.969	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	623786	54.138	ug/l	100
89) n-Butylbenzene	13.62	91	1204224	58.610	ug/l	100
90) Hexachloroethane	13.88	117	193369	59.761	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	619505	54.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	79769	57.836	ug/l	99

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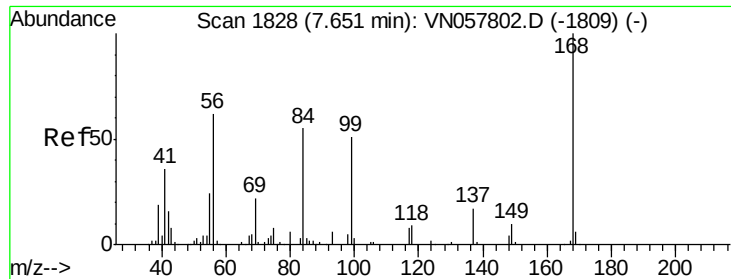
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	407271	54.945	ug/l	98
94) Hexachlorobutadiene	15.02	225	182660	58.133	ug/l	99
95) Naphthalene	15.13	128	1104166	59.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	379475	58.470	ug/l	100

(#) = 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: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 339014

Ion Ratio Lower Upper

168 100

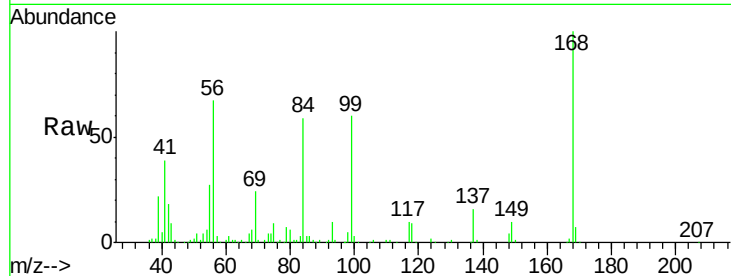
99 59.3 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

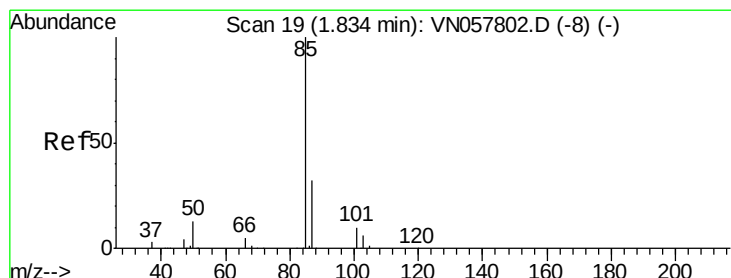
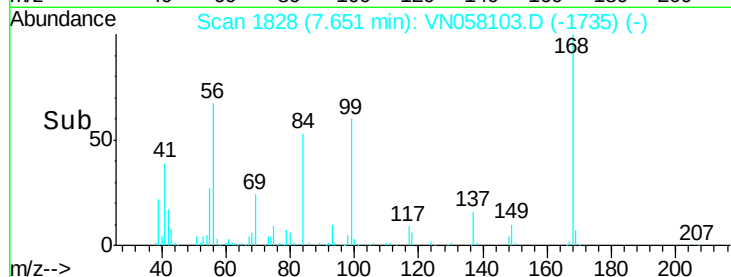
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.189 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058103.D

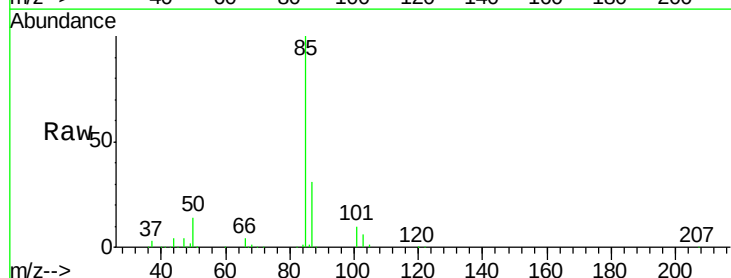
Acq: 16 Sep 2019 9:19

Tgt Ion: 85 Resp: 249372

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

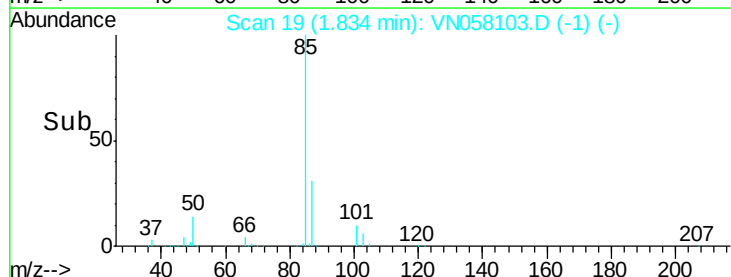
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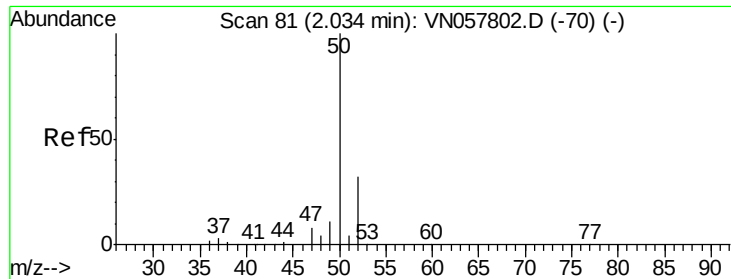
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.498 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 203079

Ion Ratio Lower Upper

50 100

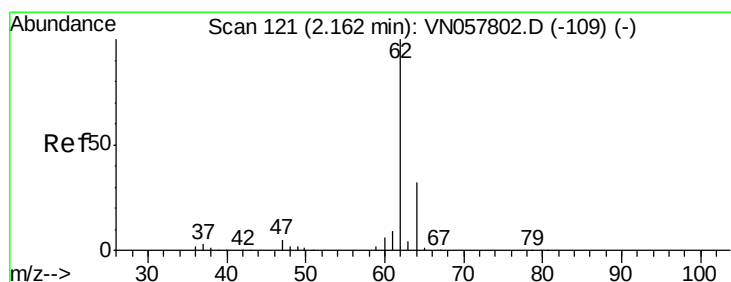
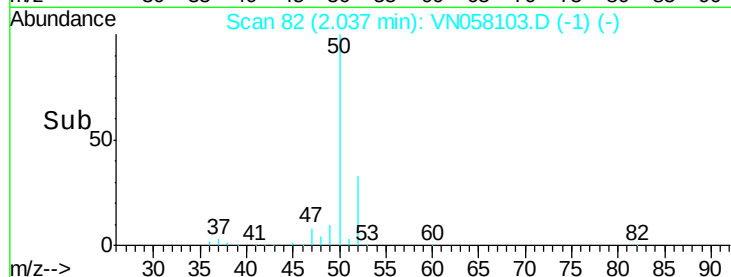
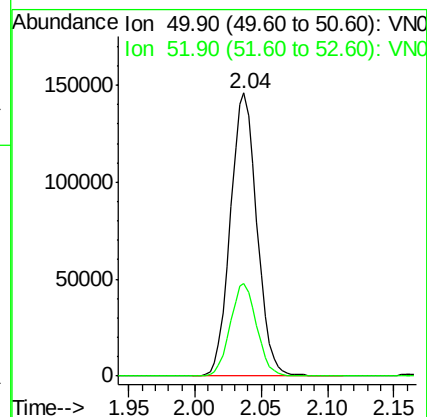
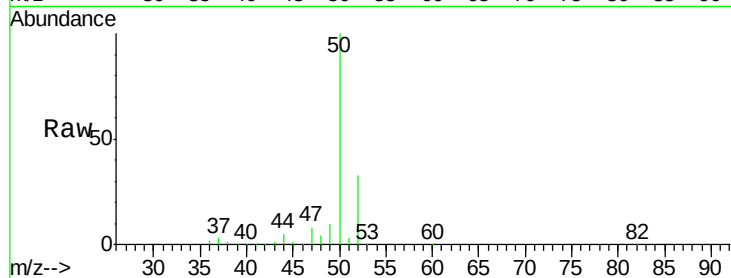
52 32.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.788 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058103.D

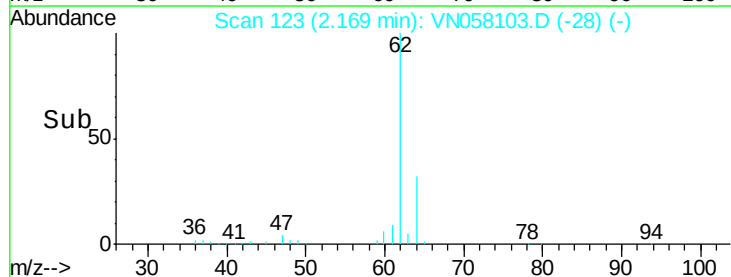
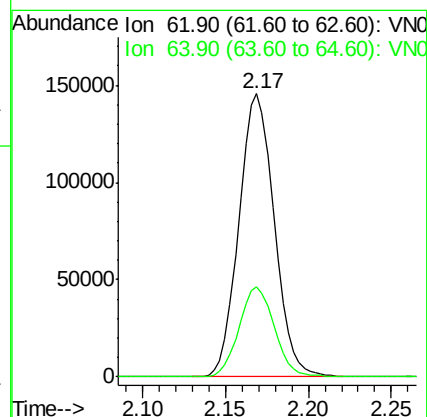
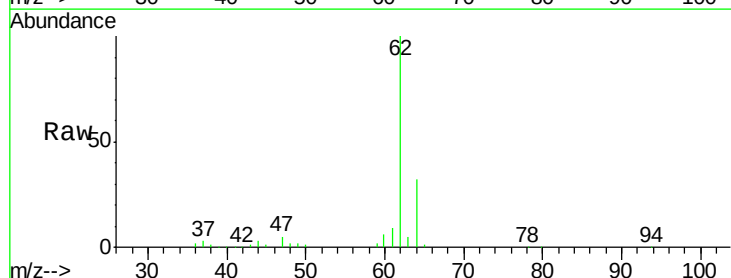
Acq: 16 Sep 2019 9:19

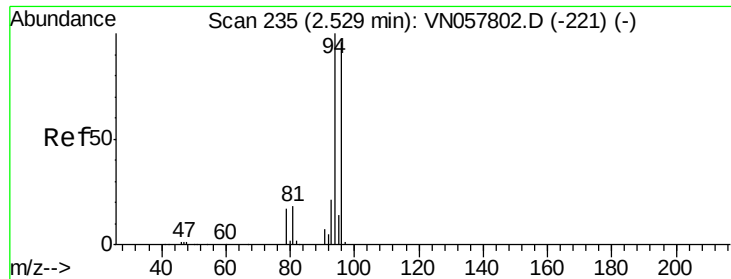
Tgt Ion: 62 Resp: 216395

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 48.377 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 134585

Ion Ratio Lower Upper

94 100

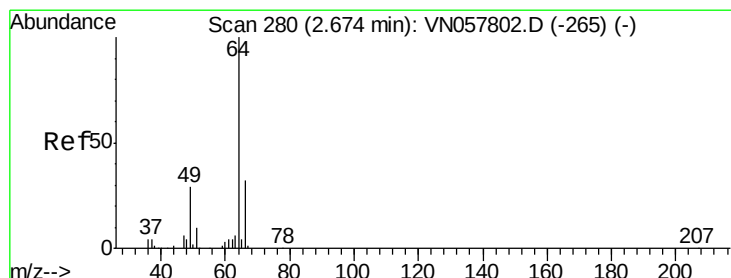
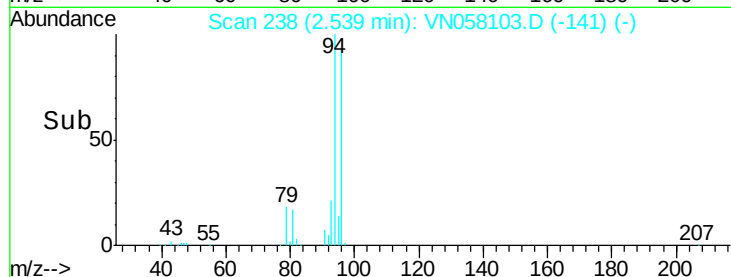
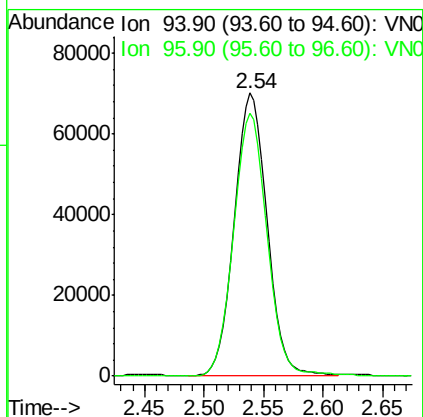
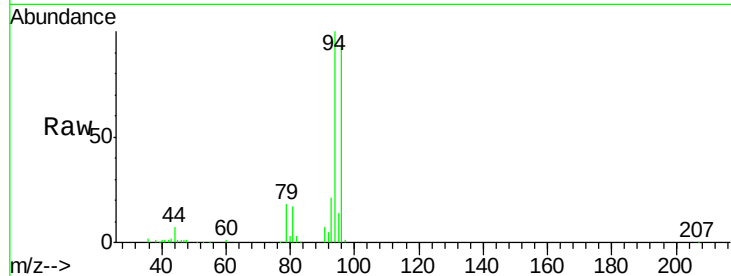
96 92.9 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 42.094 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058103.D

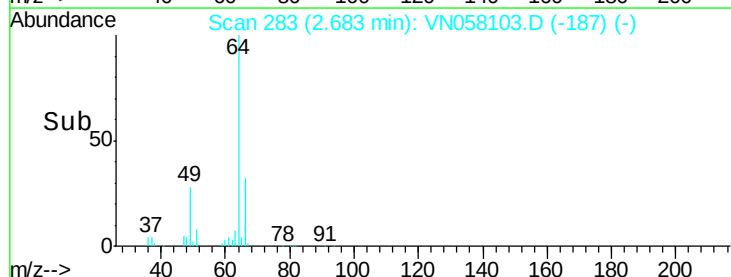
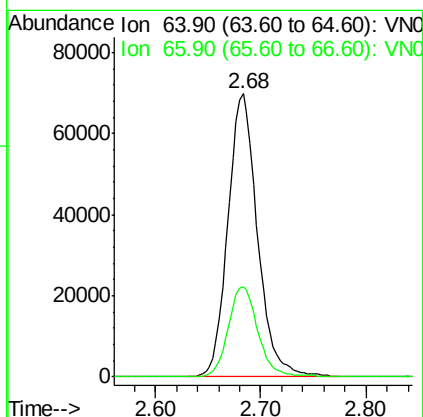
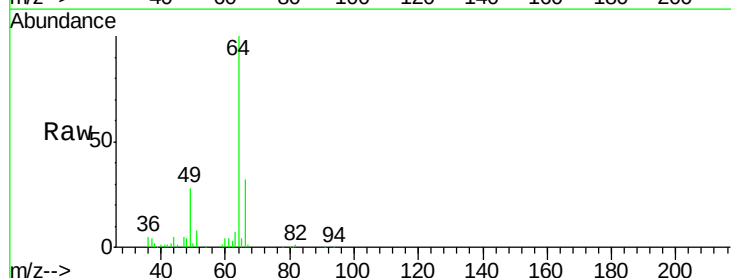
Acq: 16 Sep 2019 9:19

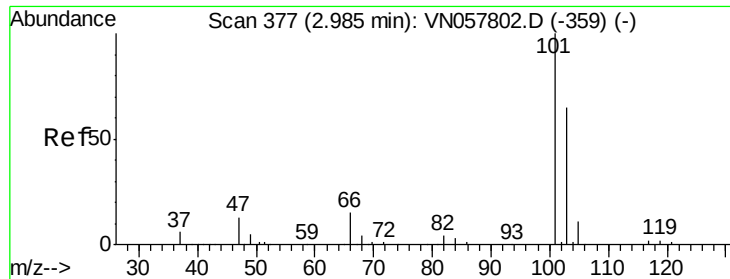
Tgt Ion: 64 Resp: 135656

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

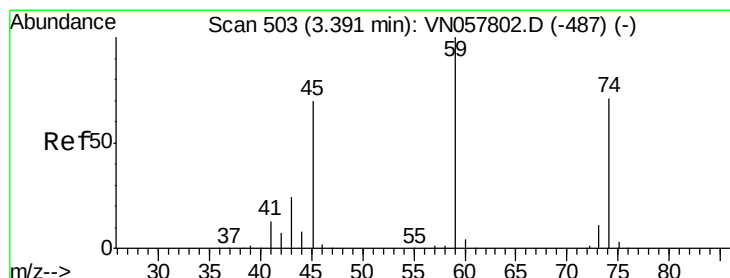
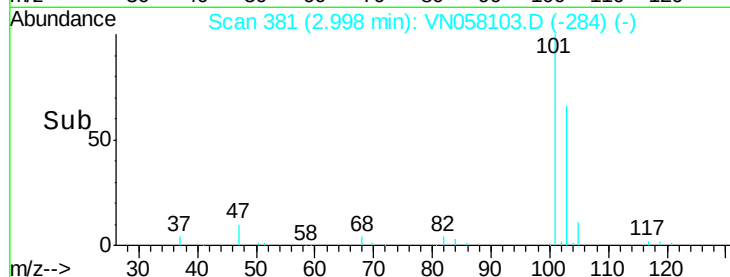
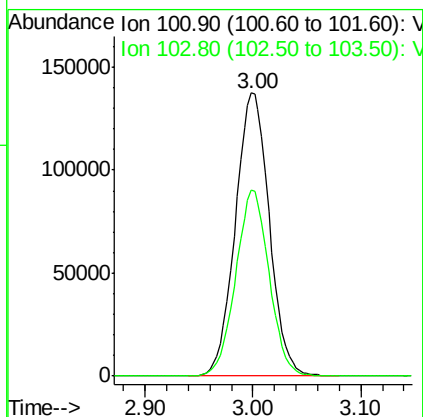
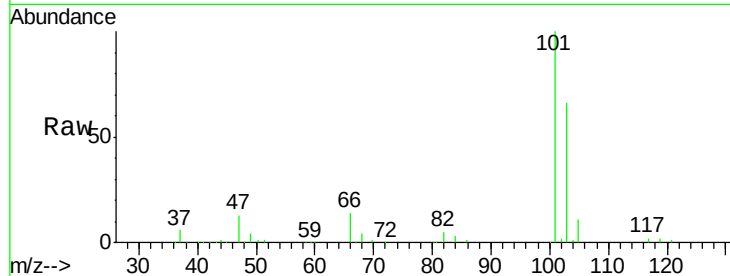
Trichlorofluoromethane
 Concen: 47.325 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.9	77.9

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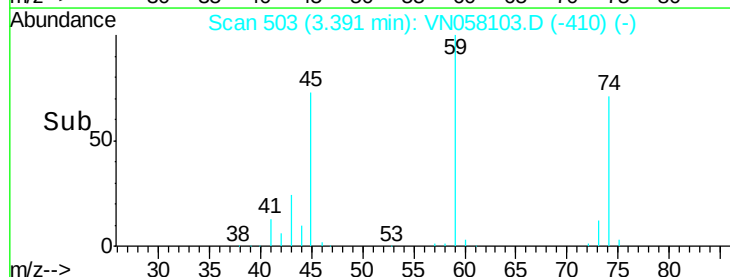
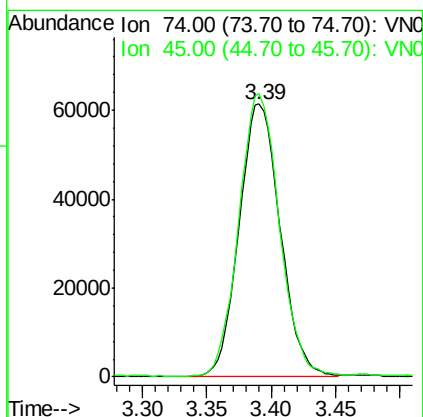
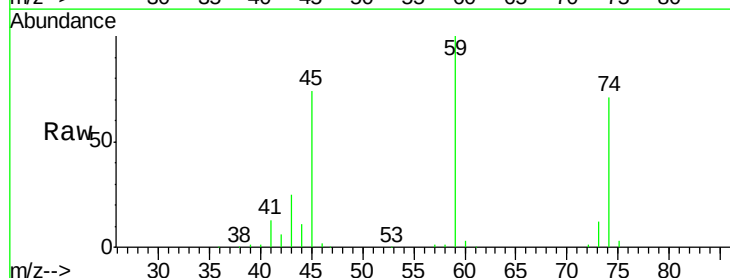
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 9/18/2019 2:57:03 PM

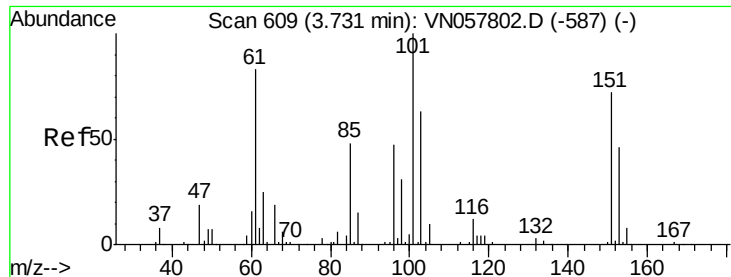


#8

Diethyl Ether
 Concen: 51.434 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.267 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

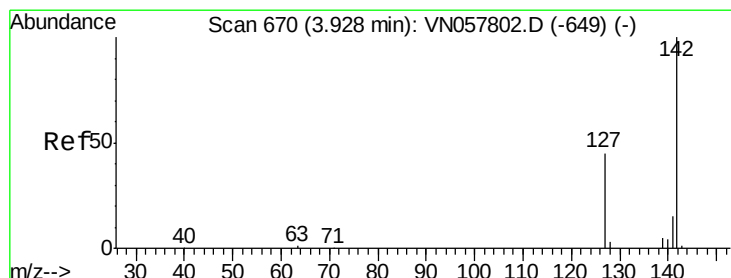
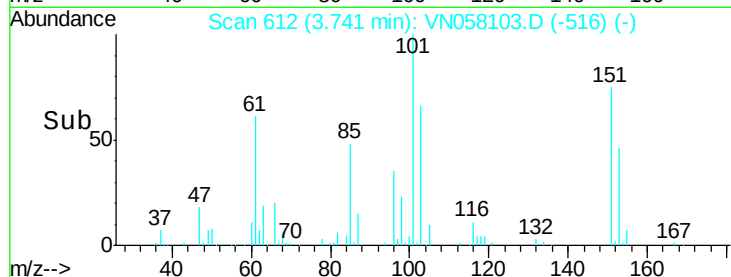
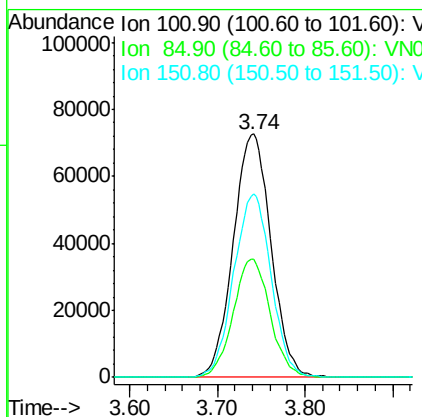
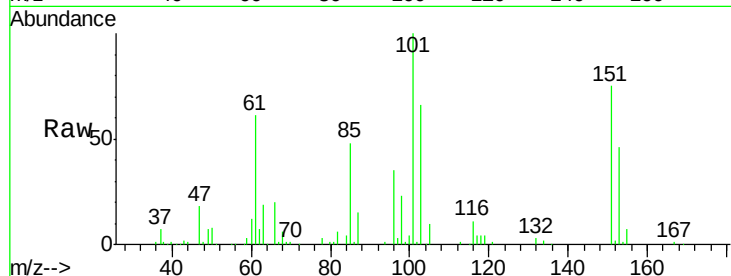
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	217877
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.1	57.1
151	74.5	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.870 ug/l

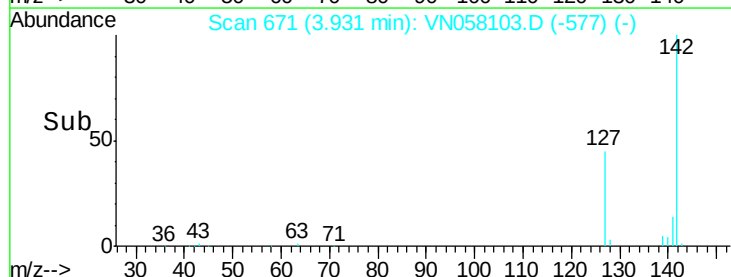
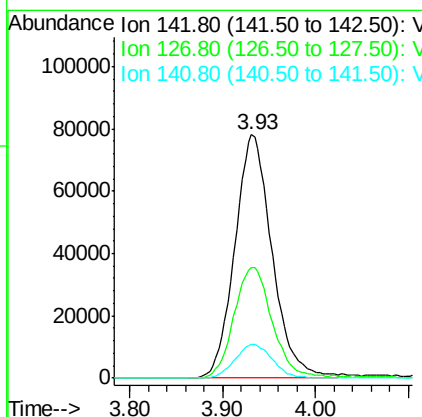
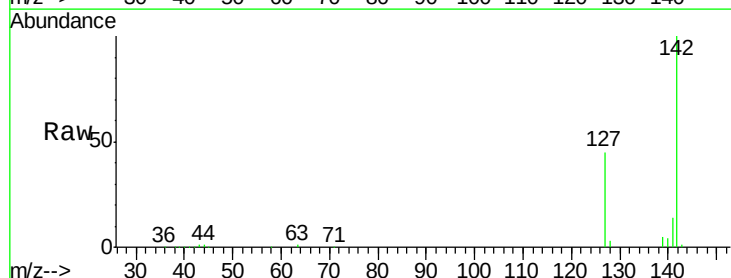
RT: 3.93 min Scan# 671

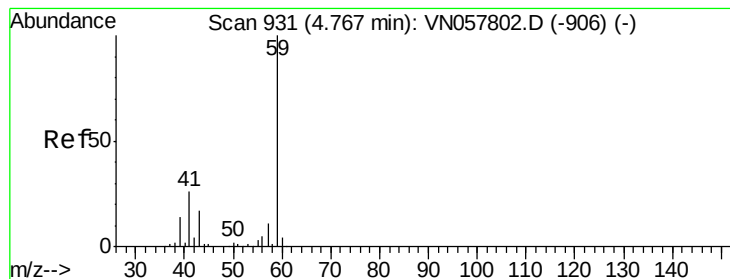
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	142	Resp:	218342
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.7	55.1
141	13.9	11.4	17.0





#11

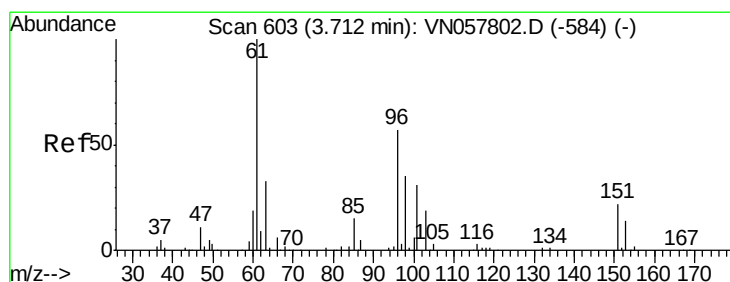
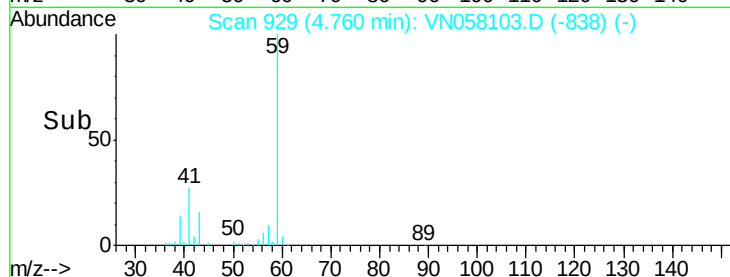
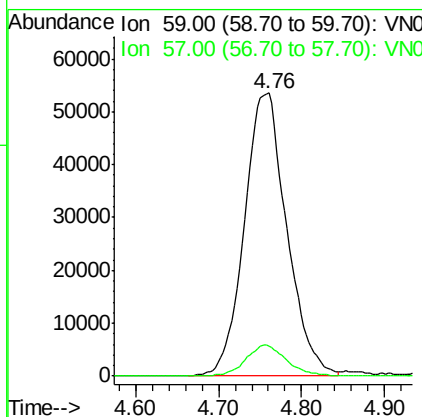
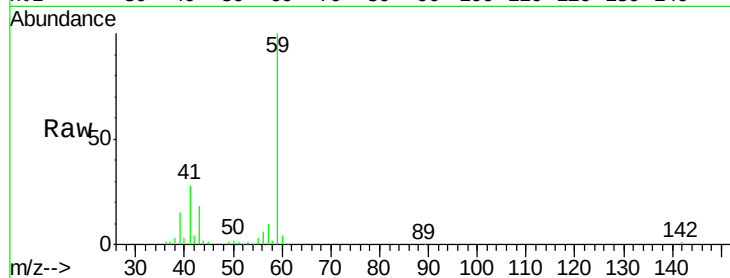
Tert butyl alcohol
Concen: 229.309 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	190570
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
APPROVED

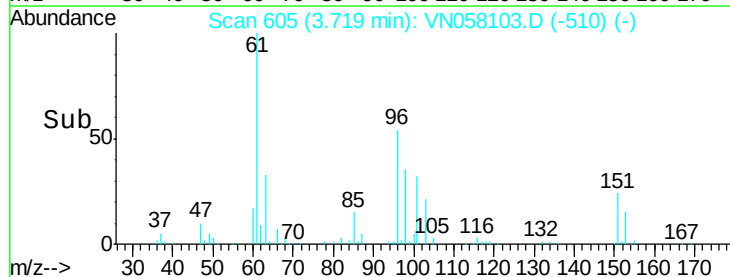
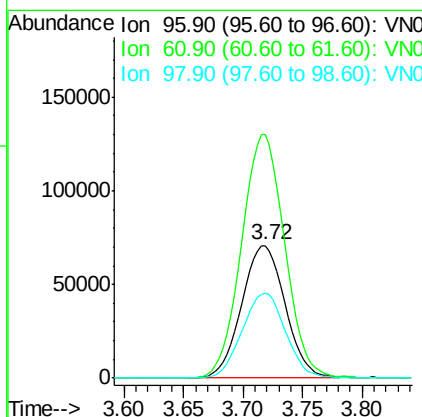
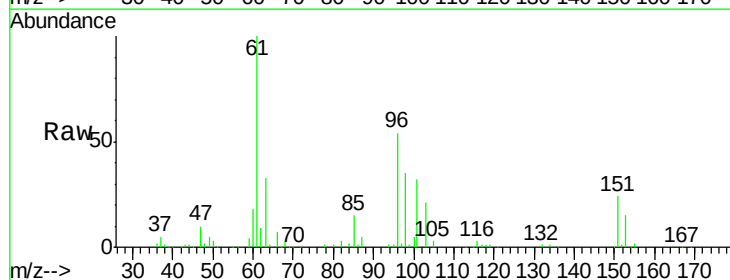
MMDadoda
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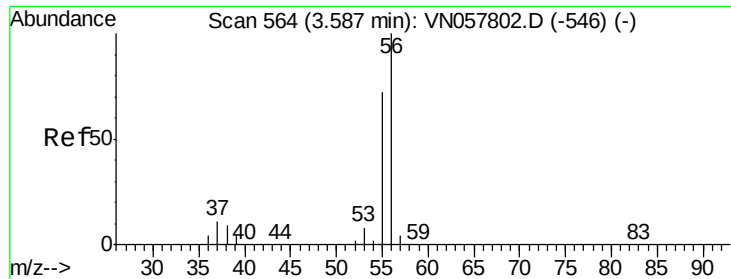


#12

1,1-Dichloroethene
Concen: 49.681 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	96	Resp	179343
Ion Ratio	100	Lower	Upper
61	183.9	141.2	211.8
98	63.9	49.9	74.9





#13

Acrolein

Concen: 67.904 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47877

Ion Ratio Lower Upper

56 100

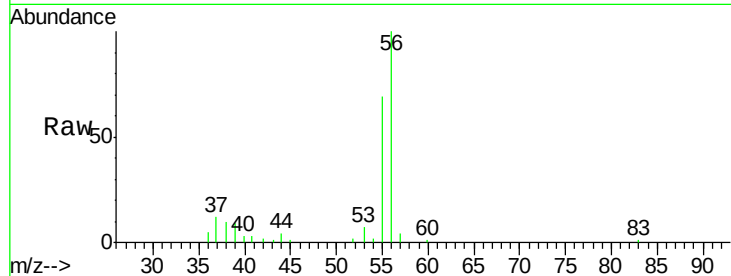
55 71.1 57.3 85.9

Manual Integrations

APPROVED

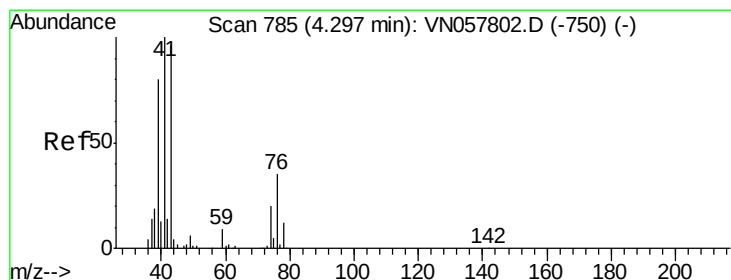
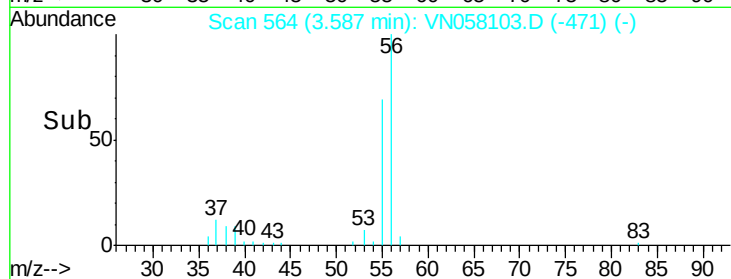
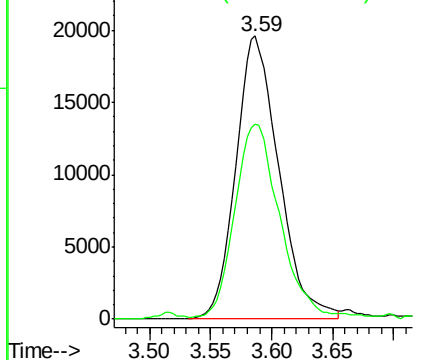
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.756 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

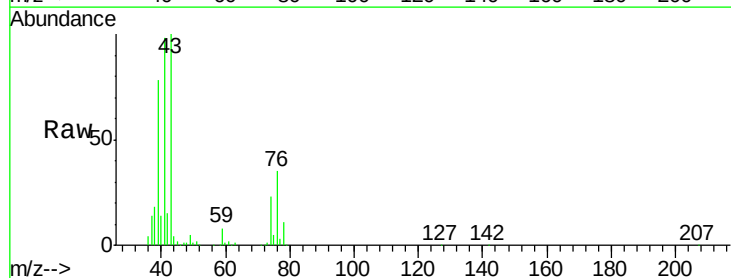
Tgt Ion: 41 Resp: 365633

Ion Ratio Lower Upper

41 100

39 74.4 59.4 89.2

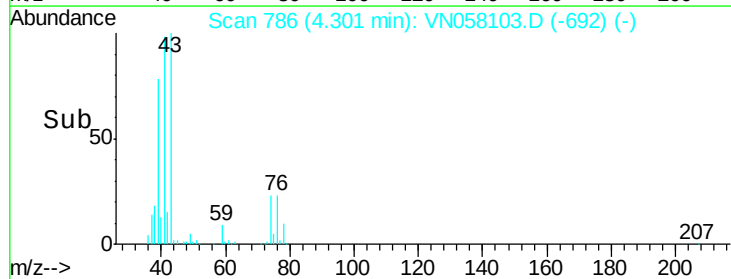
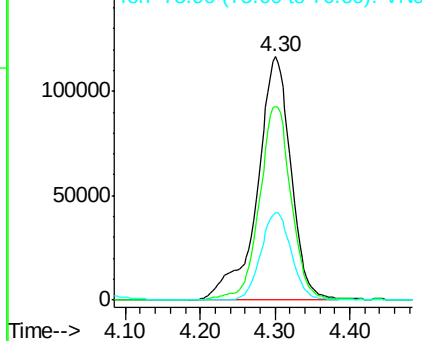
76 32.4 26.0 39.0

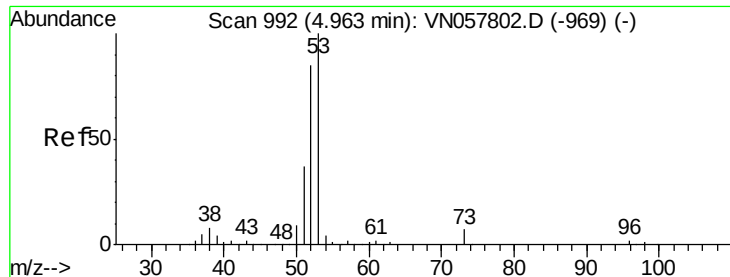


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 270.818 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

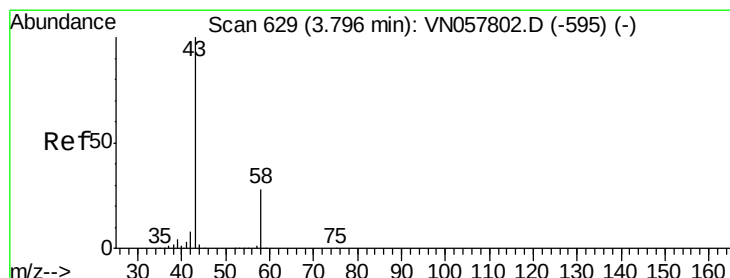
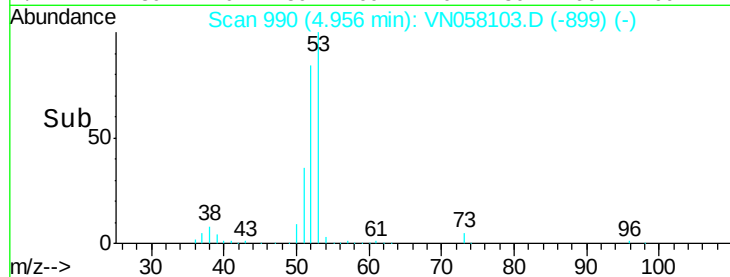
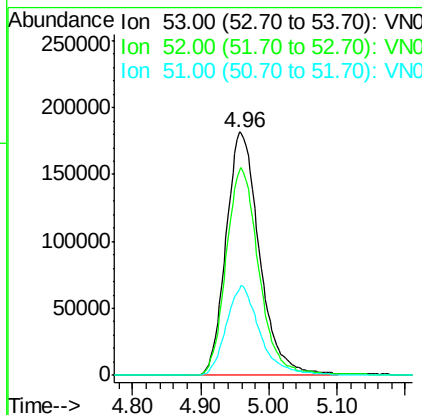
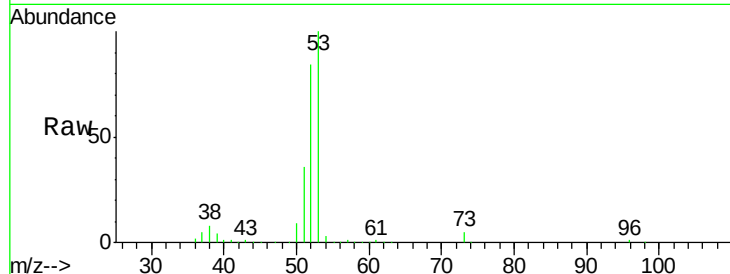
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	618616
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 299.330 ug/l

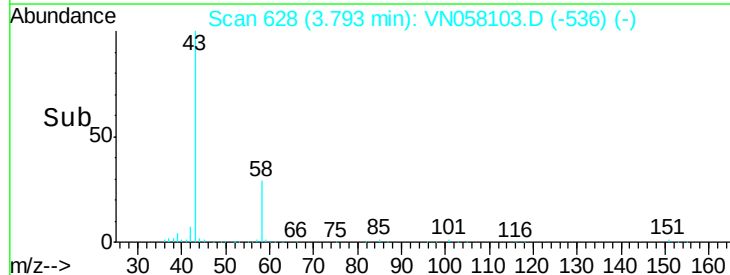
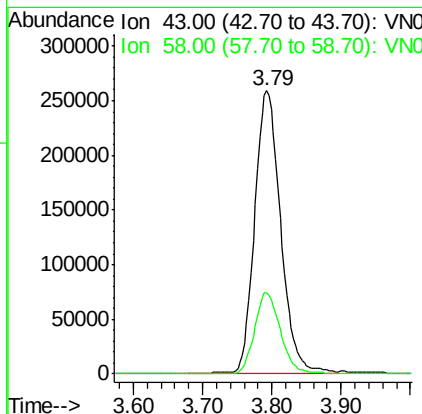
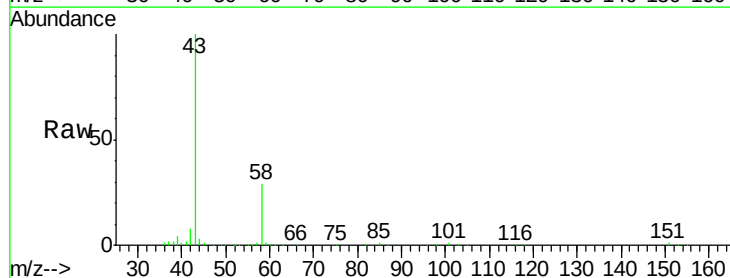
RT: 3.79 min Scan# 628

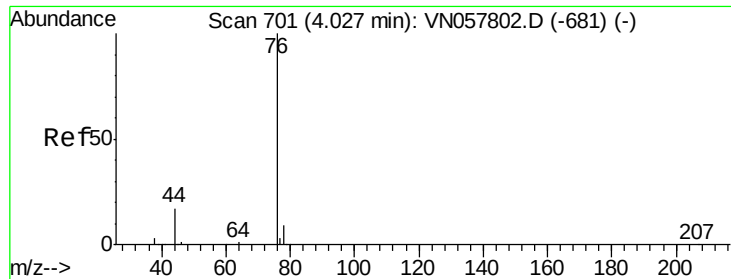
Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	43	Resp:	673778
Ion Ratio	Lower	Upper	
43	100		
58	28.8	22.2	33.2





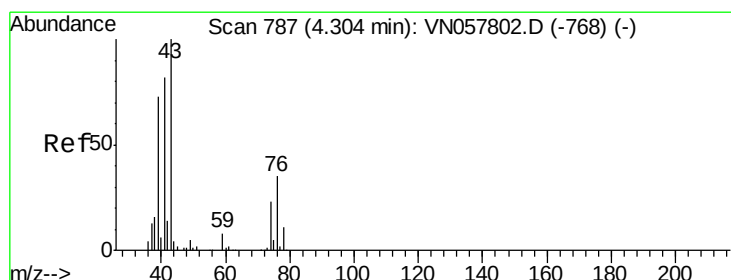
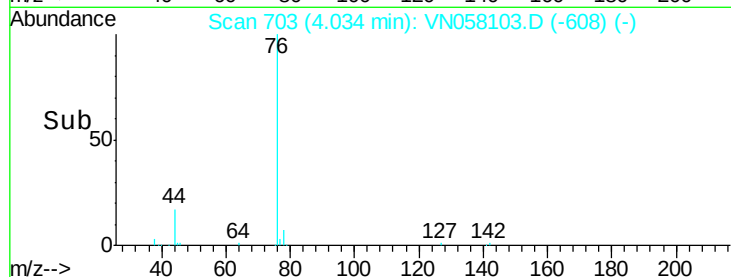
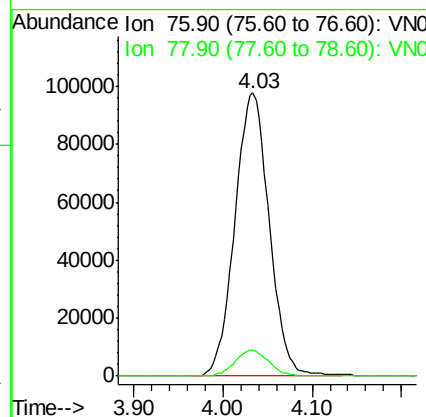
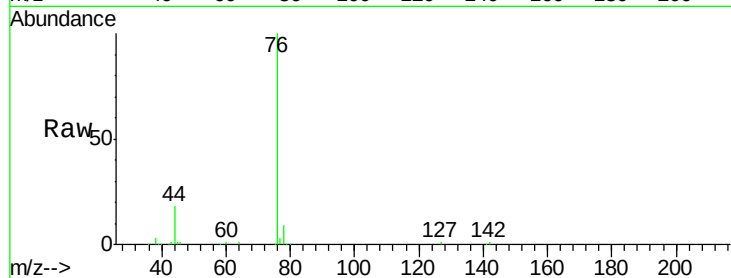
#17
Carbon Disulfide
Concen: 46.471 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	261032		
78	9.1		7.1	10.7

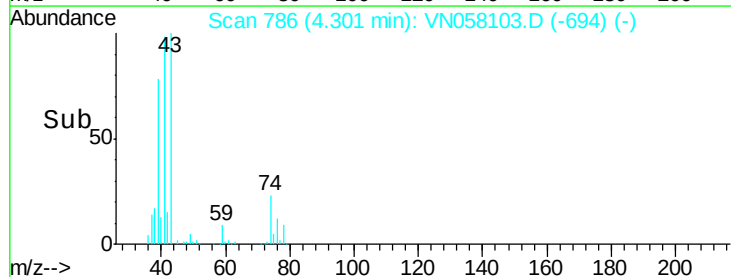
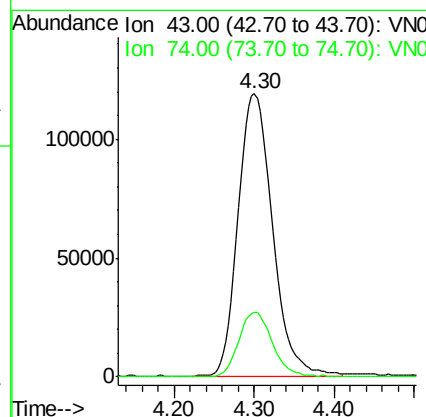
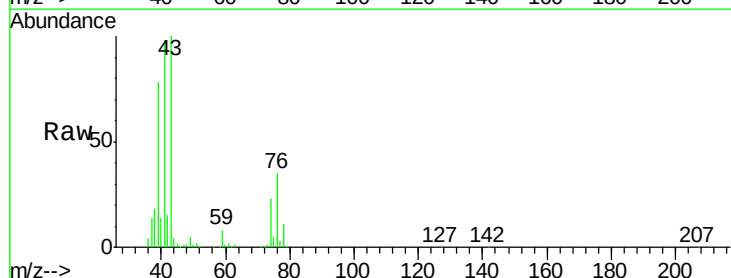
Manual Integrations
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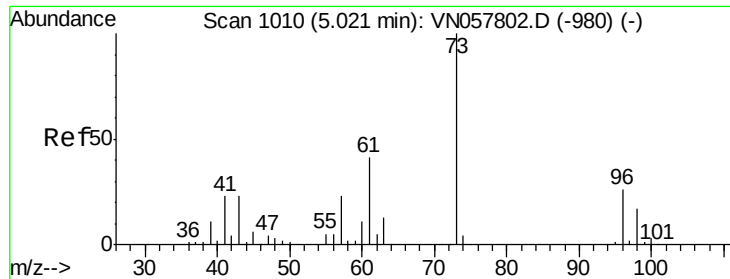
MMDadoda
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#18
Methyl Acetate
Concen: 57.773 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	346739		
74	22.3		17.9	26.9





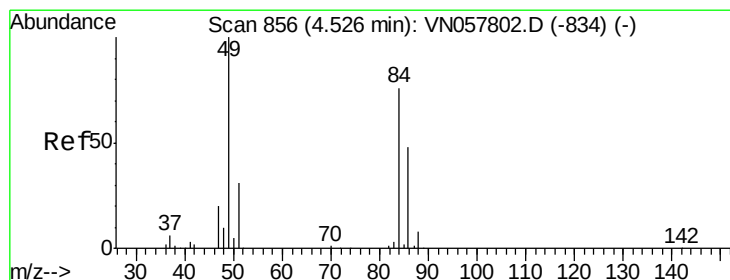
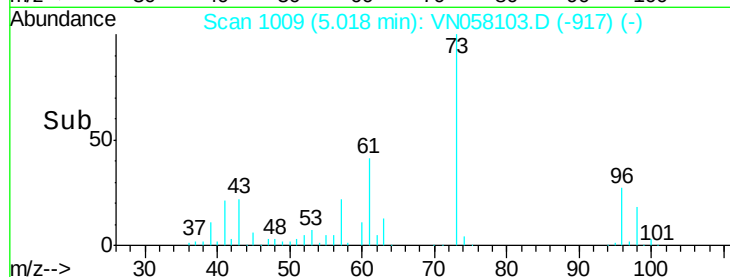
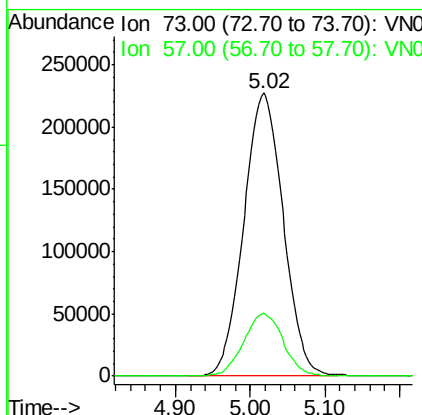
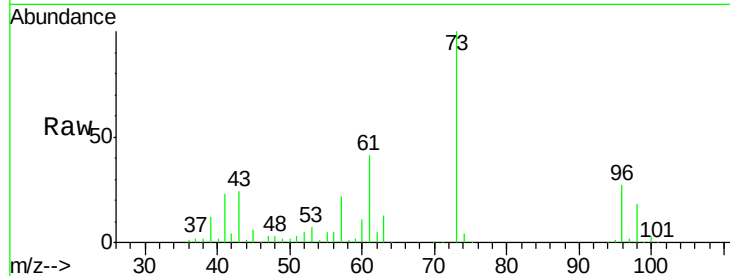
#19
Methyl tert-butyl Ether
Concen: 55.690 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 836629
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2

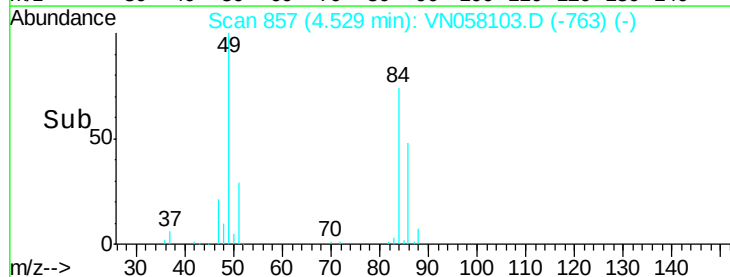
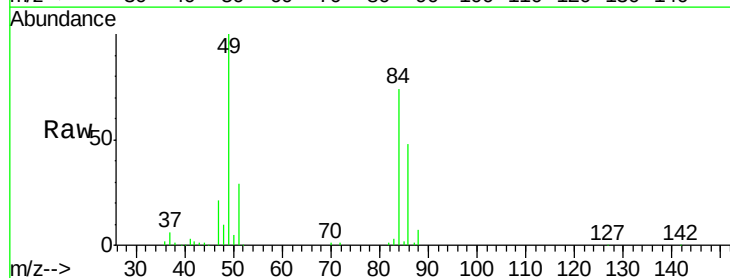
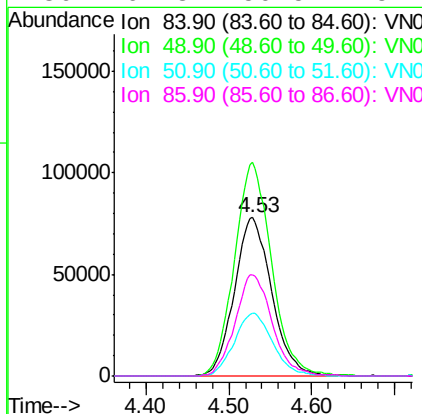
Manual Integrations
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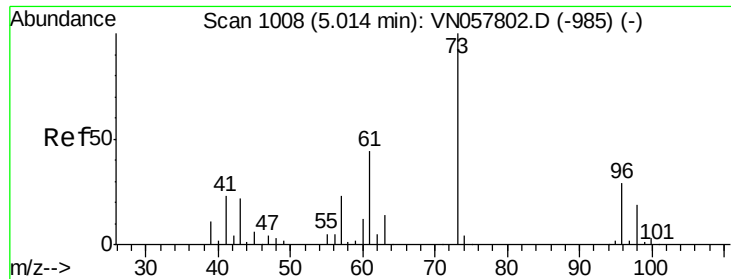
MMDadoda
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#20
Methylene Chloride
Concen: 57.117 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 84 Resp: 244005
Ion Ratio Lower Upper
84 100
49 135.0 104.8 157.2
51 39.6 33.0 49.4
86 64.3 50.5 75.7





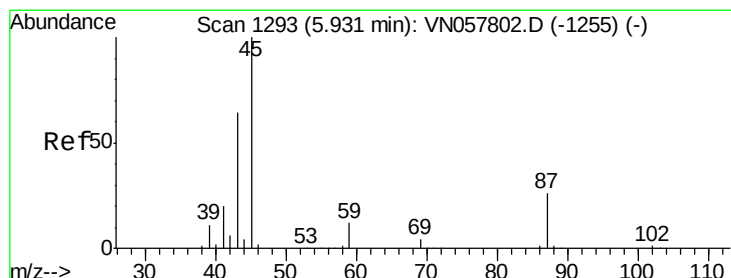
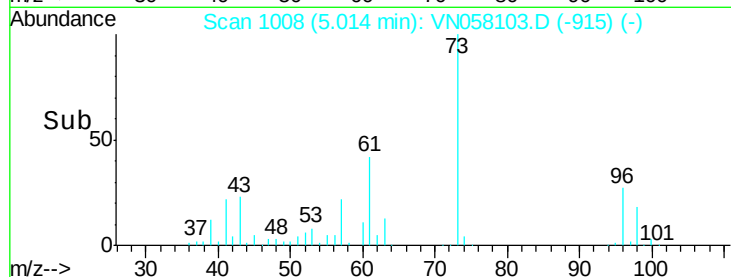
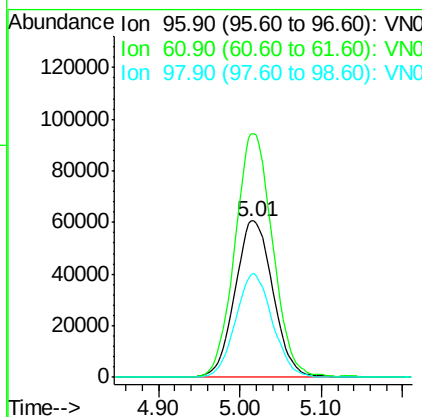
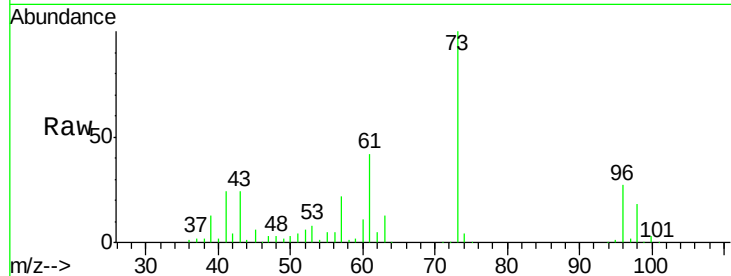
#21
trans-1,2-Dichloroethene
Concen: 50.046 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	121.9	182.9
98	65.6	52.2	78.4

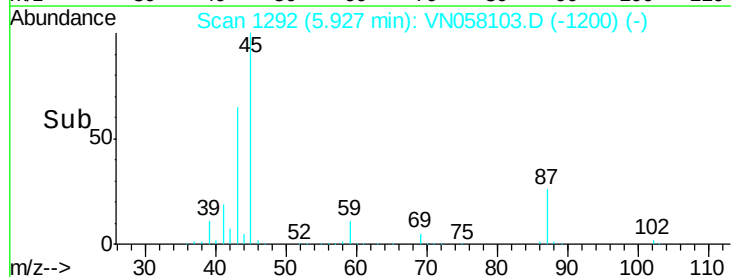
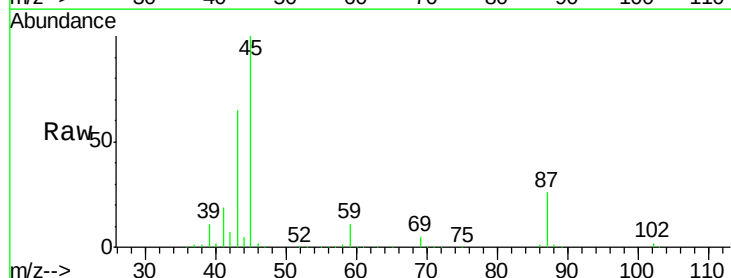
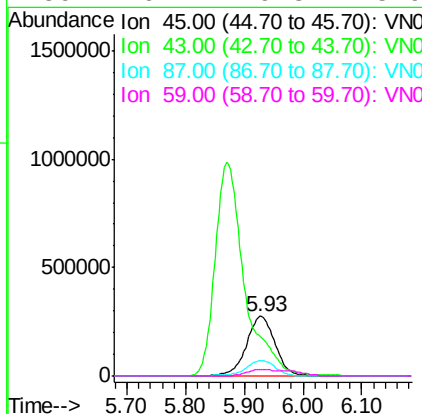
Manual Integrations
APPROVED

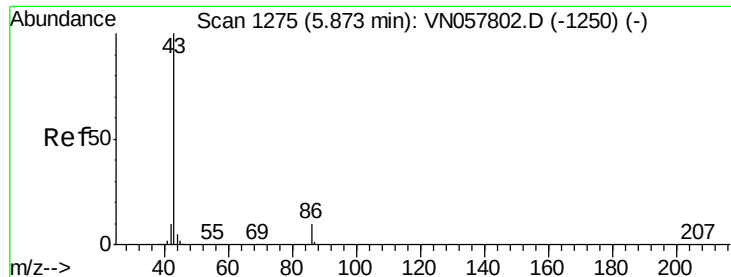
MMDadoda
9/18/2019 2:57:03 PM



#22
Diisopropyl ether
Concen: 56.455 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	51.4	77.2
87	25.7	21.3	31.9
59	10.7	9.3	13.9





#23

Vinyl Acetate

Concen: 290.476 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3410524

Ion Ratio Lower Upper

43 100

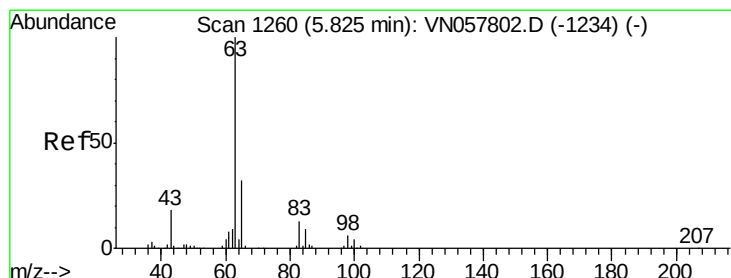
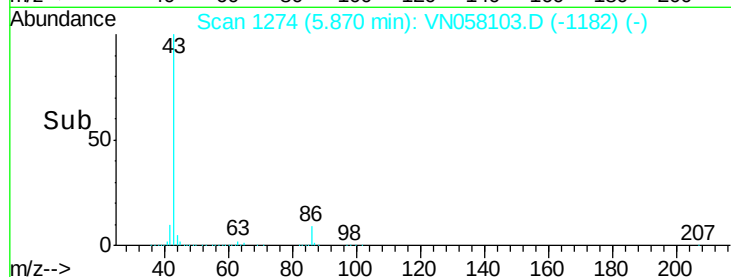
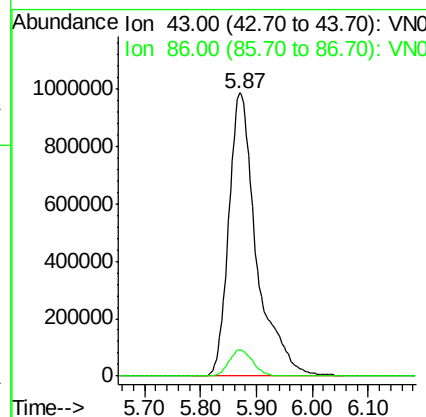
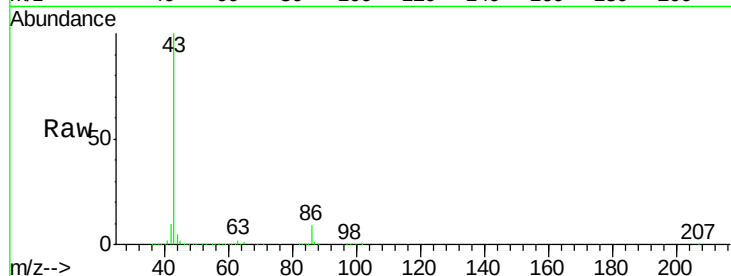
86 9.2 7.7 11.5

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 54.808 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

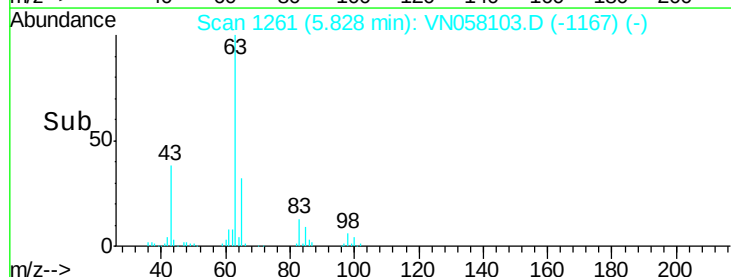
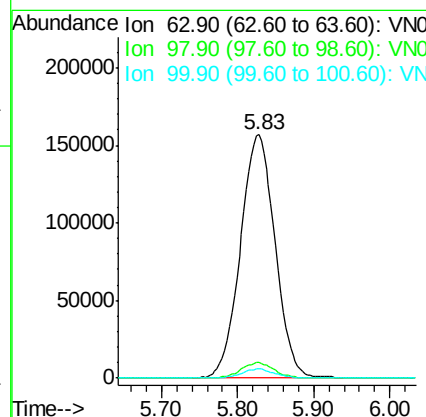
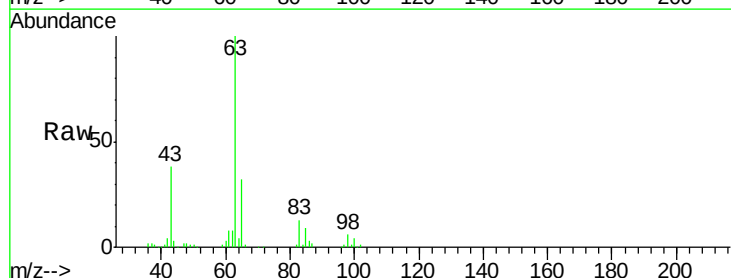
Tgt Ion: 63 Resp: 496250

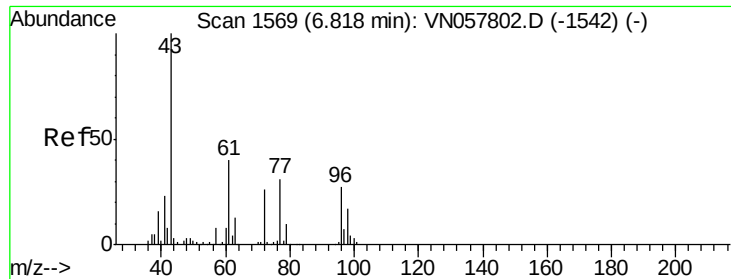
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 278.271 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tot Ion: 43 Resp: 906585

Ion Ratio Lower Upper

43 100

72 23.9 20.6 30.8

Instrument :

MSVOA_N

ClientSampleId :

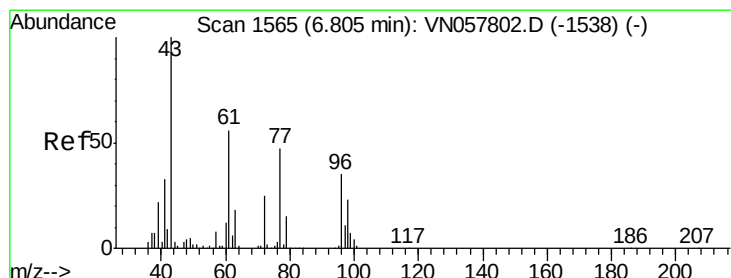
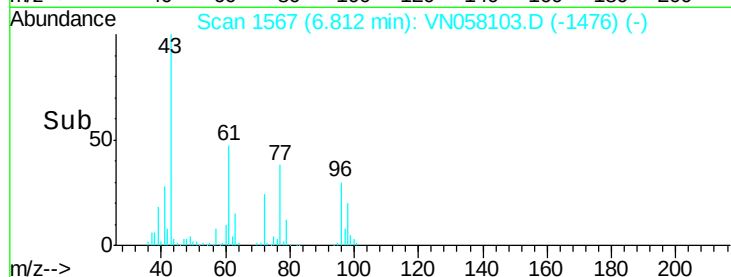
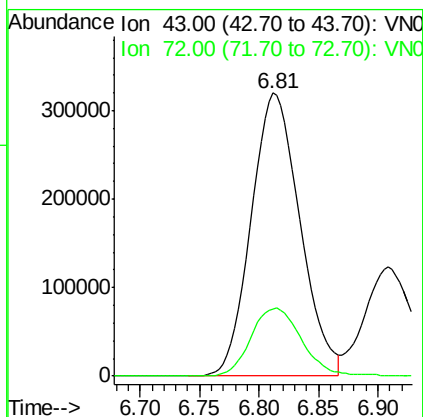
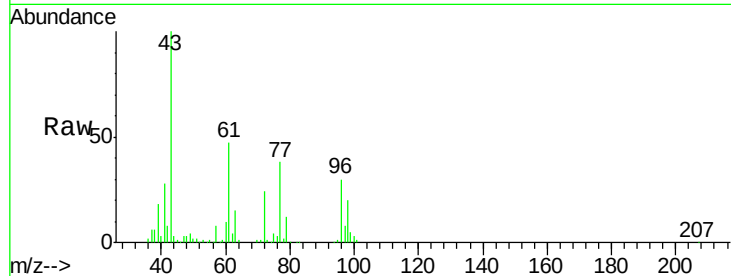
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.564 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058103.D

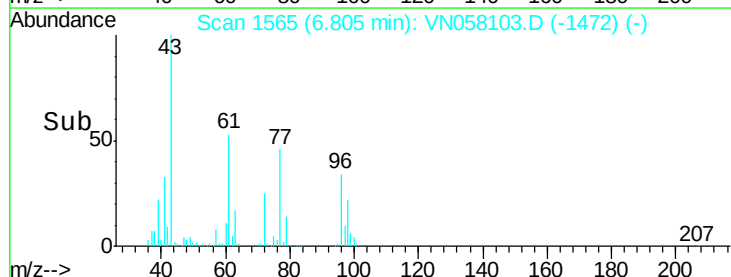
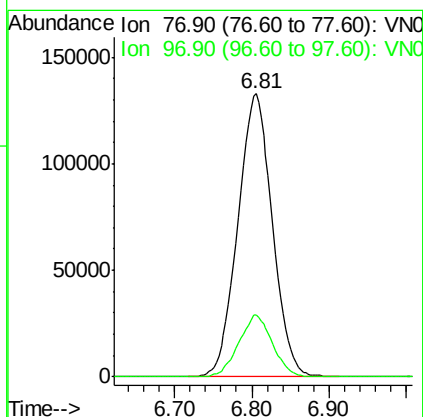
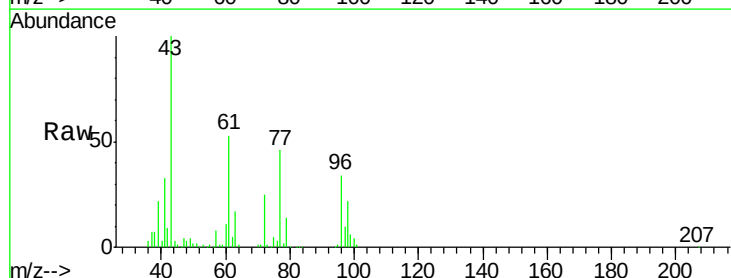
Acq: 16 Sep 2019 9:19

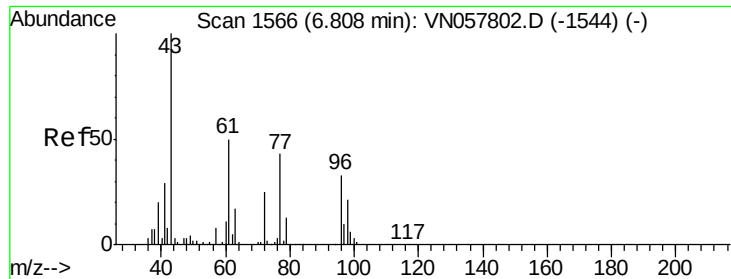
Tgt Ion: 77 Resp: 412475

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 53.764 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

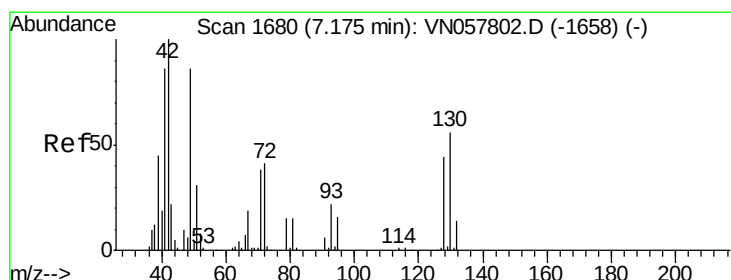
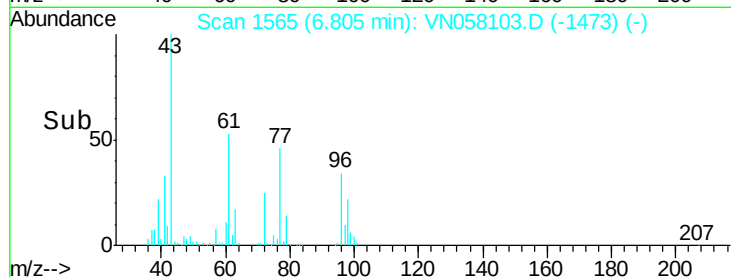
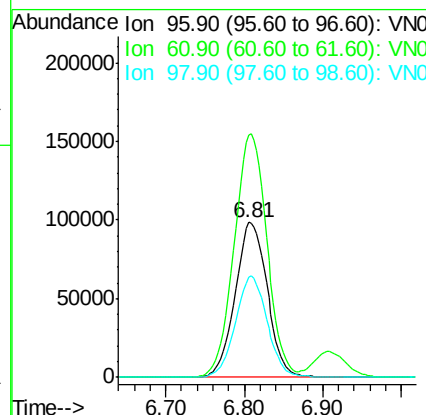
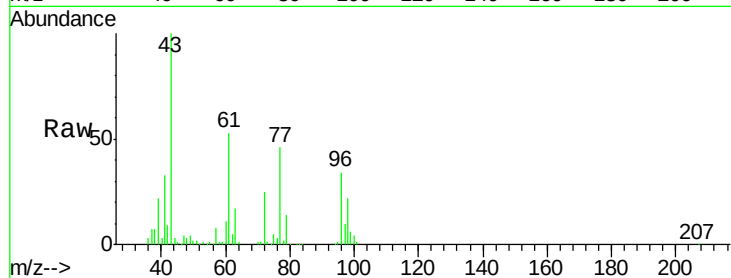
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	281164
Ion Ratio	Lower	Upper	
96	100		
61	159.6	0.0	314.0
98	64.9	0.0	128.6

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#28

Bromochloromethane

Concen: 52.190 ug/l

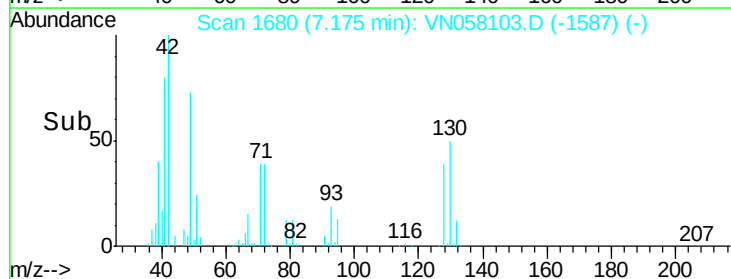
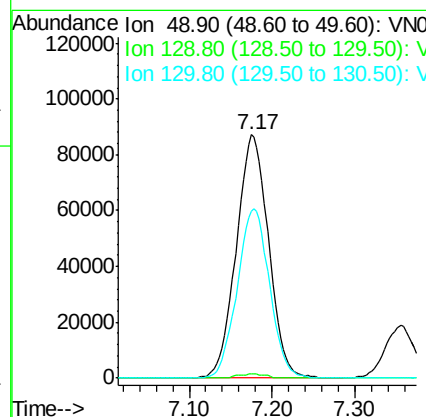
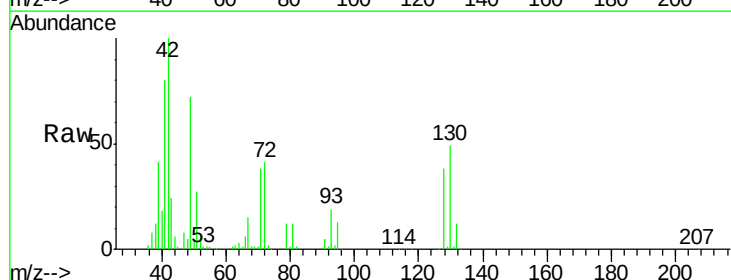
RT: 7.17 min Scan# 1680

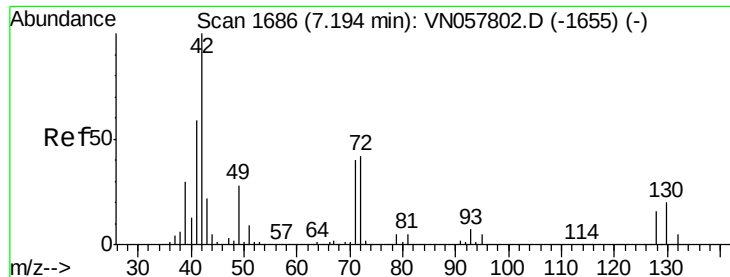
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	49	Resp:	236081
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.8
130	69.7	53.0	79.6





#29

Tetrahydrofuran

Concen: 263.310 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

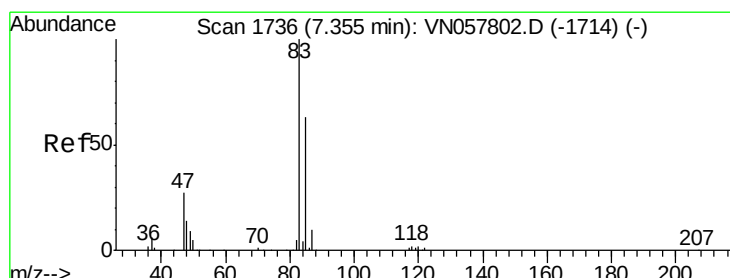
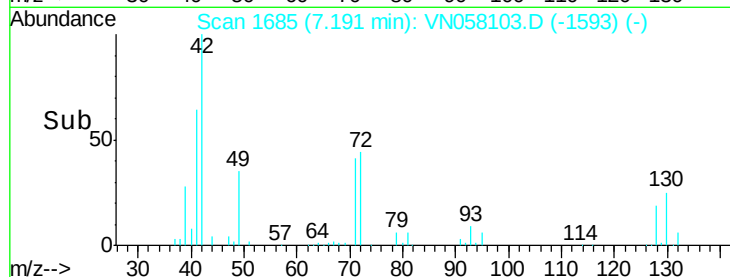
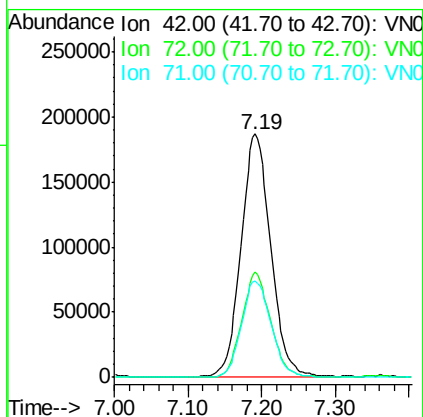
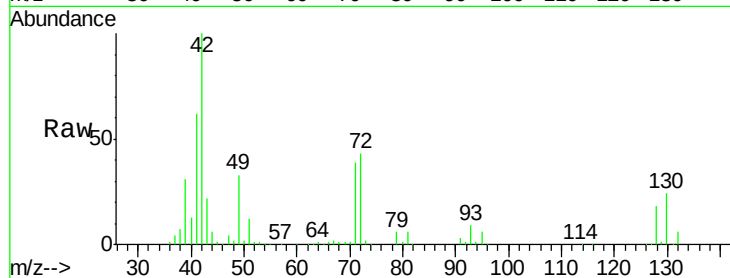
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	528607
Ion Ratio		Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.4	31.9	47.9

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#30

Chloroform

Concen: 55.142 ug/l

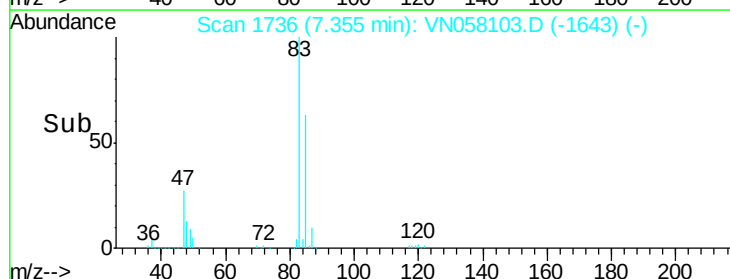
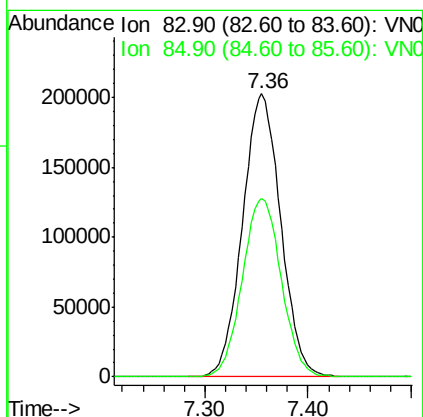
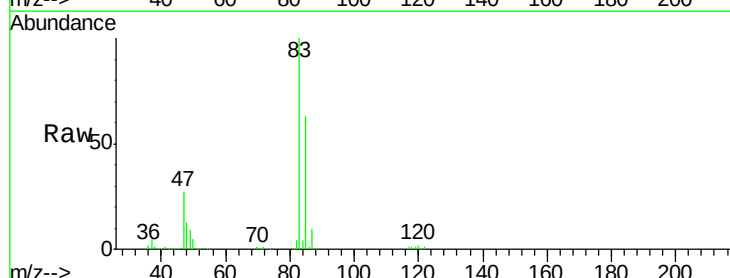
RT: 7.36 min Scan# 1736

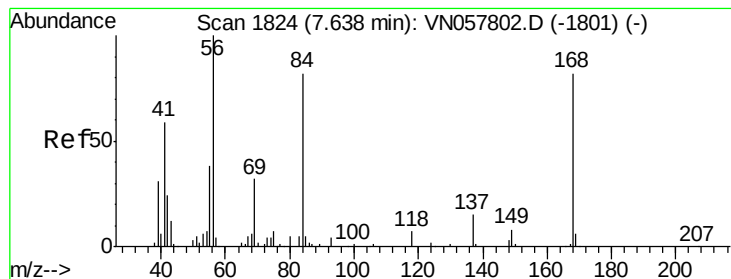
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	83	Resp:	522038
Ion Ratio		Lower	Upper
83	100		
85	62.9	50.6	75.8





#31

Cyclohexane

Concen: 54.797 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

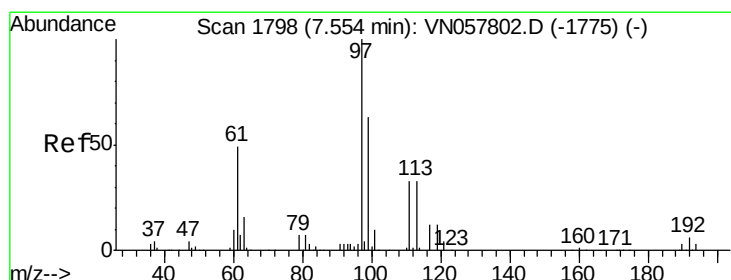
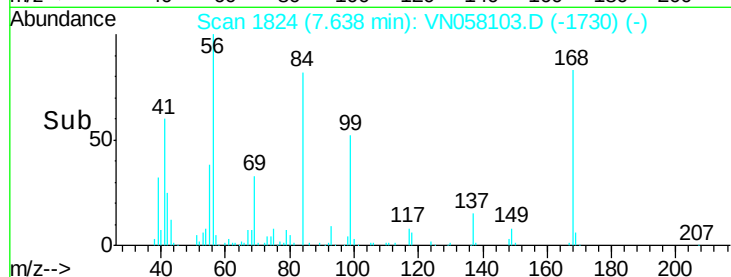
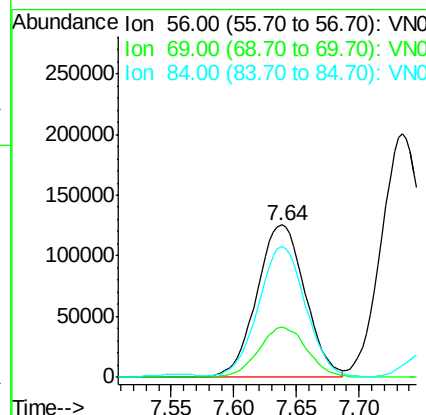
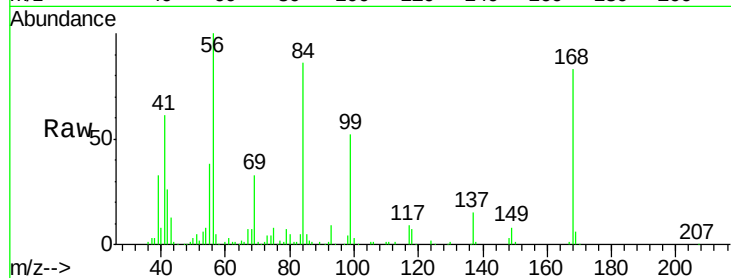
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	336781
Ion Ratio	Lower	Upper	
56	100		
69	33.0	25.9	38.9
84	84.1	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.633 ug/l

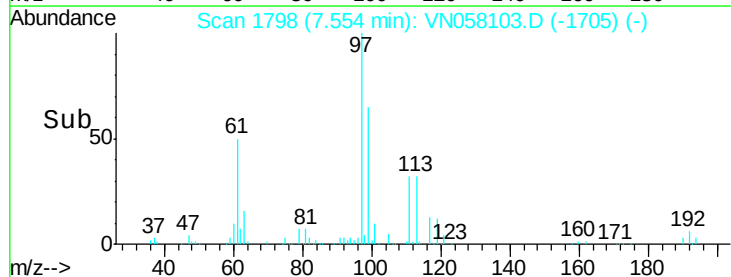
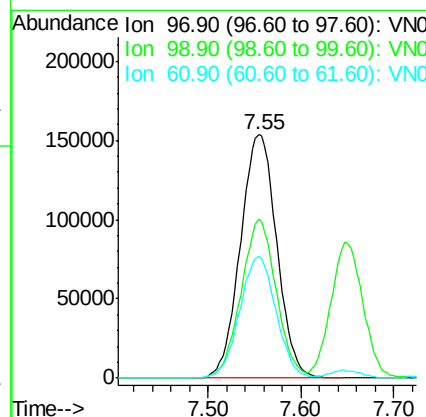
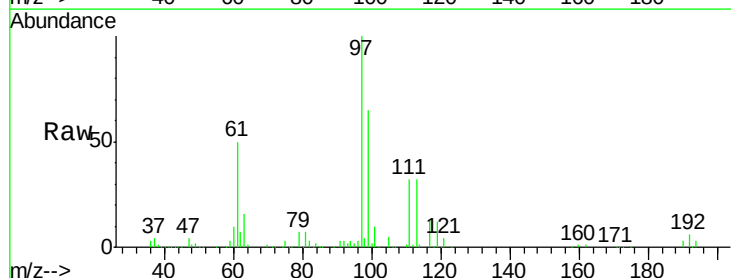
RT: 7.55 min Scan# 1798

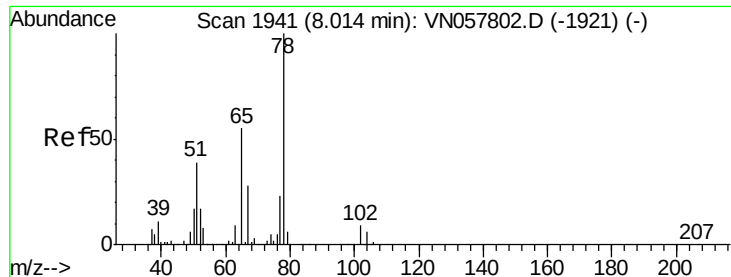
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	97	Resp:	417715
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.0	76.4
61	49.9	39.0	58.6





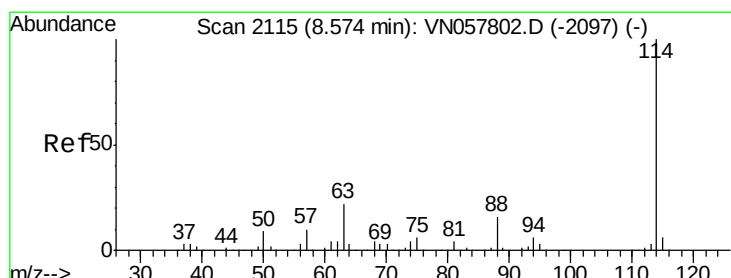
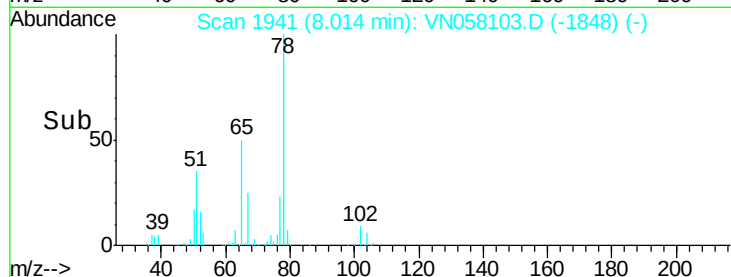
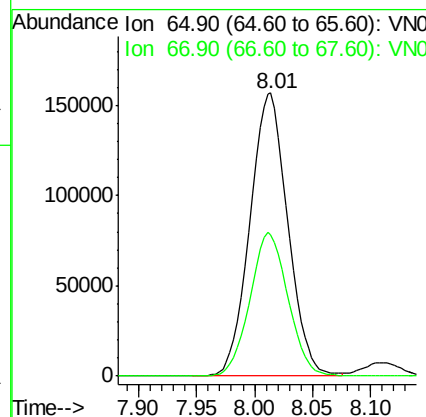
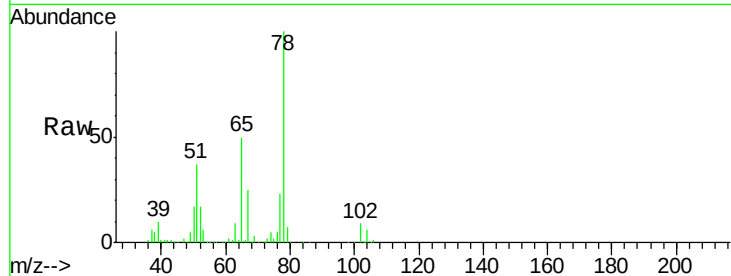
#33
 1,2-Dichloroethane-d4
 Concen: 52.037 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	357307		
67	51.0	0.0	104.0	

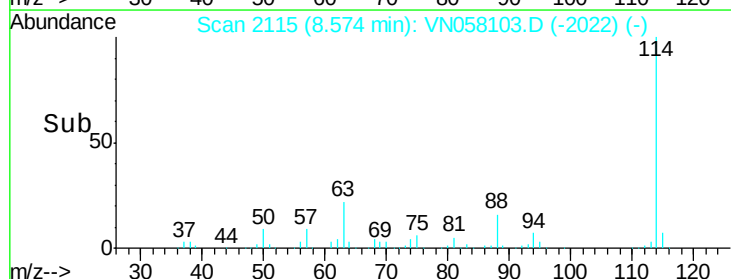
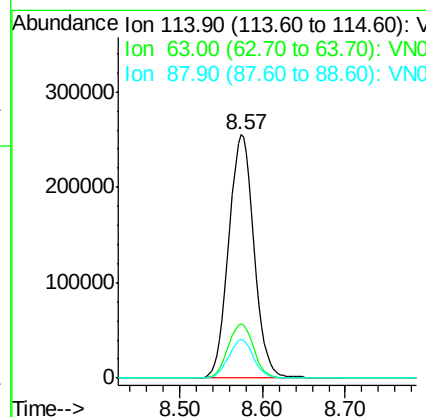
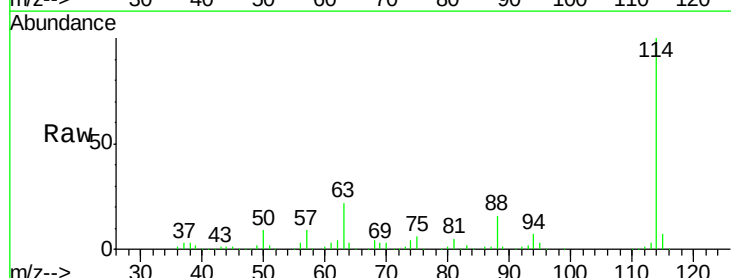
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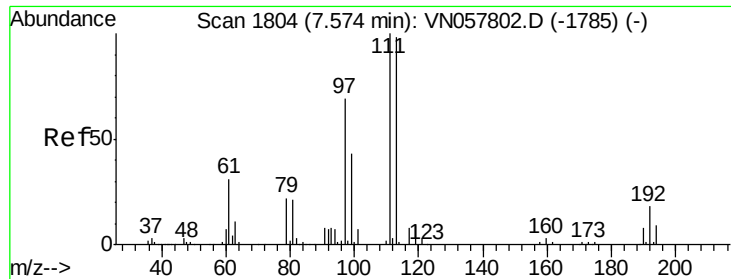
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	541958		
63	22.5	0.0	44.0	
88	16.0	0.0	31.4	





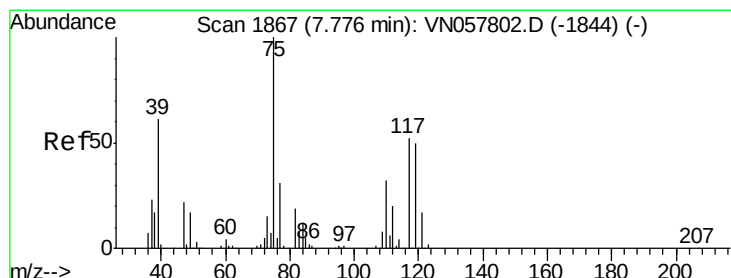
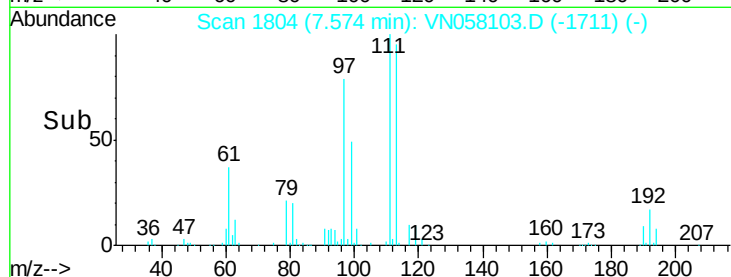
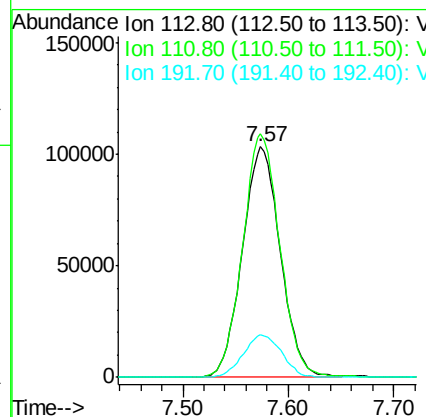
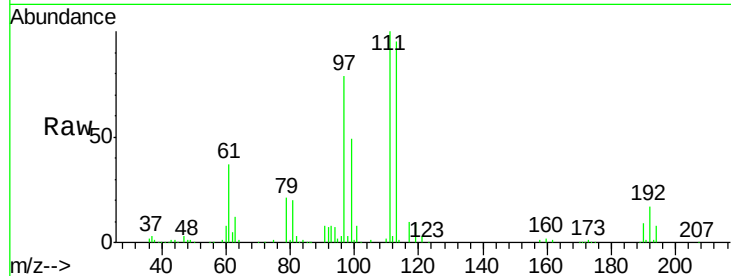
#35
 Dibromofluoromethane
 Concen: 51.758 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	258894		
111	103.3	81.3	121.9	
192	18.7	14.6	22.0	

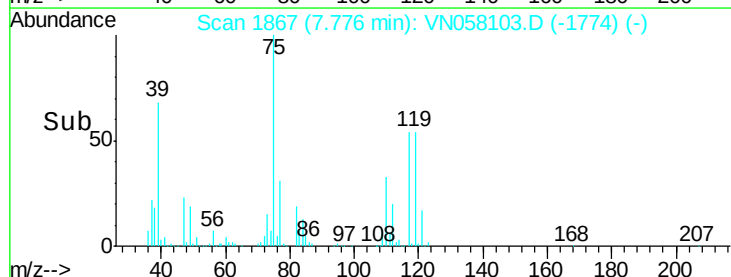
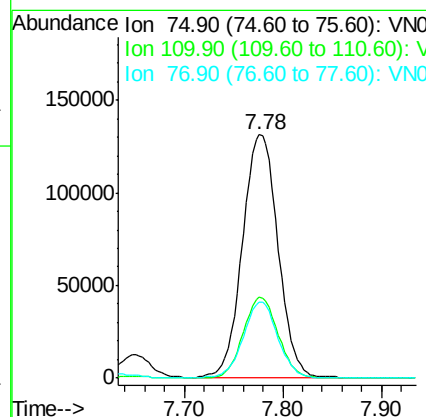
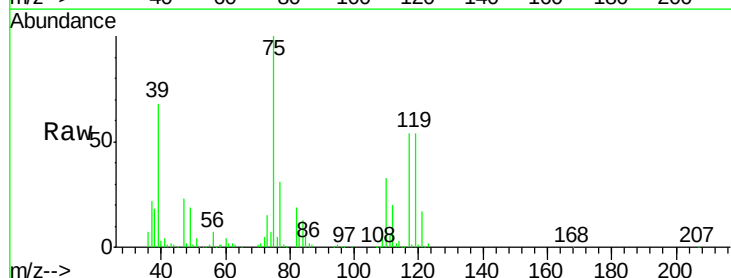
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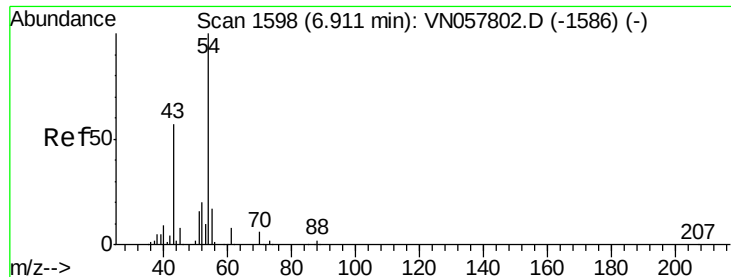
MMDadoda
 9/18/2019 2:57:03 PM



#36
 1,1-Dichloropropene
 Concen: 51.698 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	324939		
110	32.9	16.3	48.9	
77	30.9	25.0	37.4	





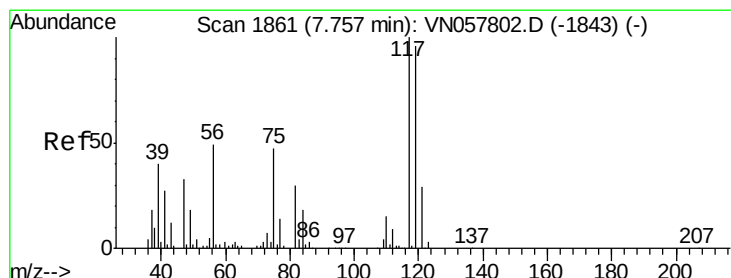
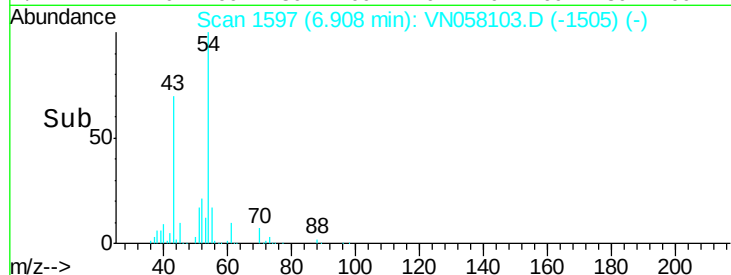
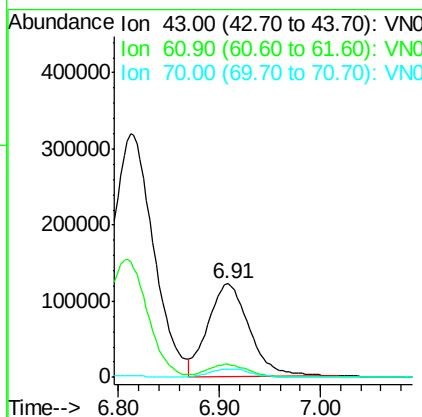
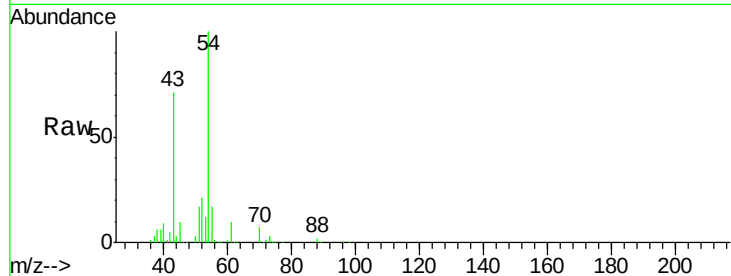
#37
Ethyl Acetate
Concen: 53.538 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.4	7.4	11.0

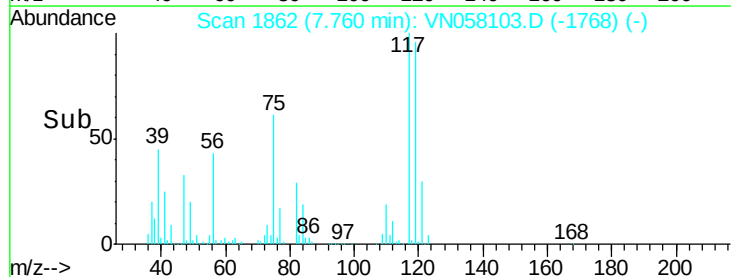
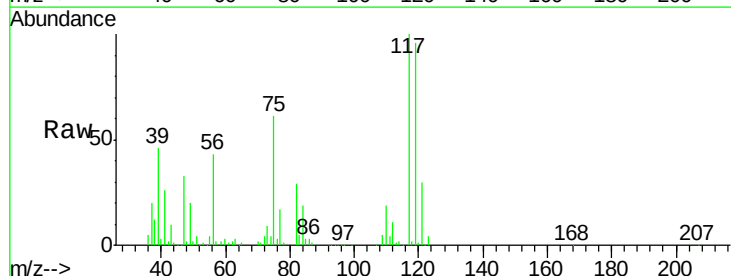
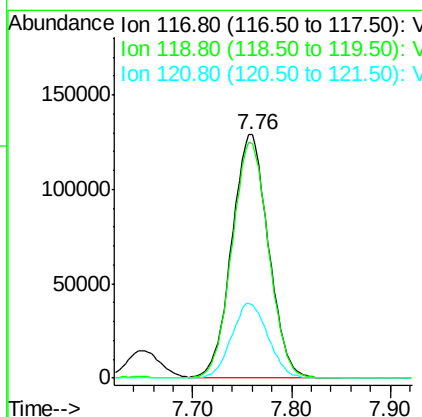
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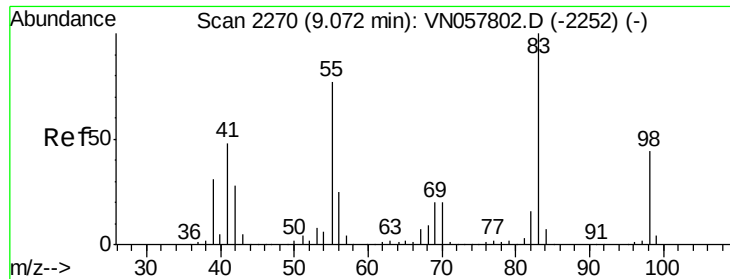
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#38
Carbon Tetrachloride
Concen: 57.574 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
121	30.2	23.4	35.2





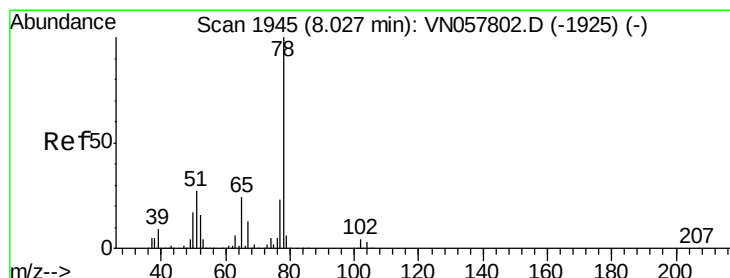
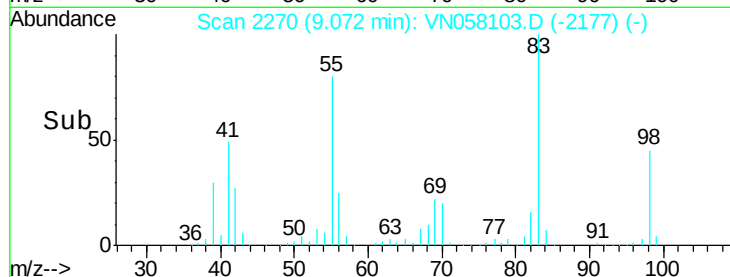
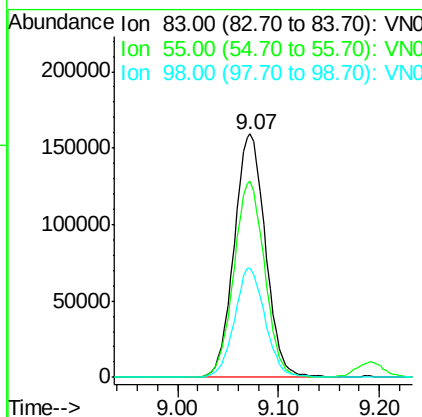
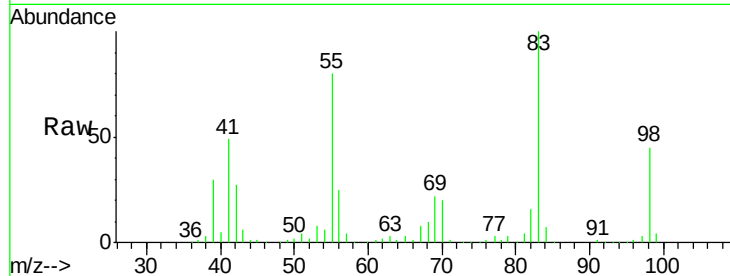
#39
Methylvlcyclohexane
Concen: 51.804 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	342284
Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.6	92.4
98	45.0	34.9	52.3

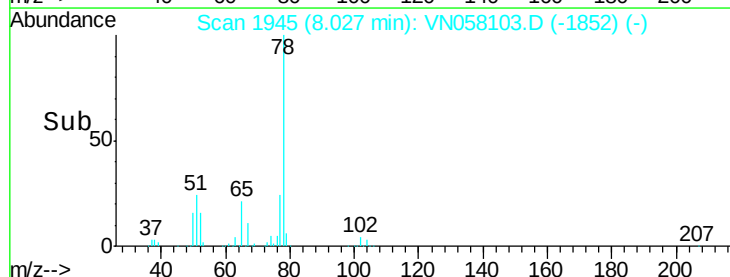
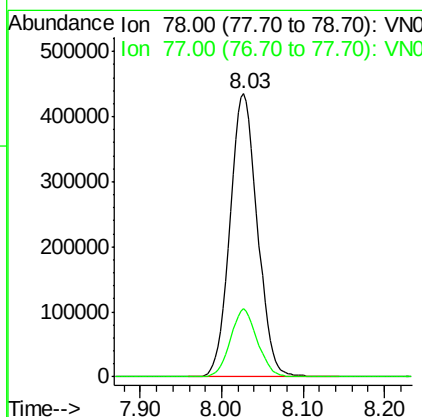
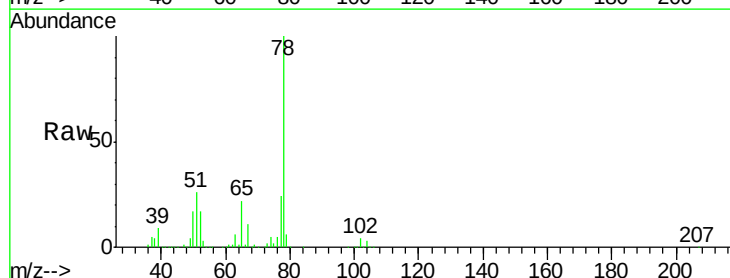
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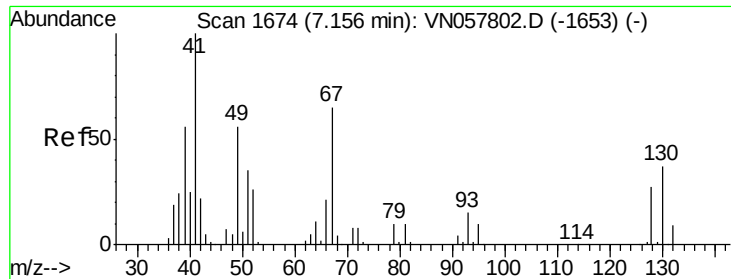
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#40
Benzene
Concen: 54.150 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	78.00	Resp	1024669
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





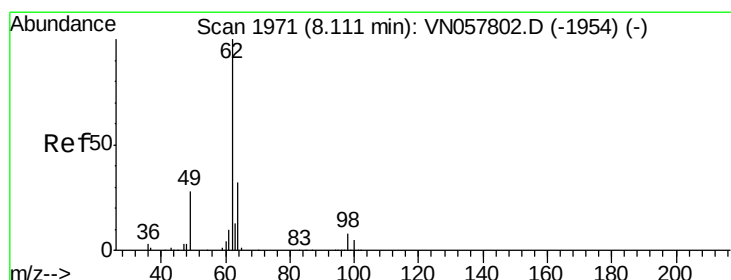
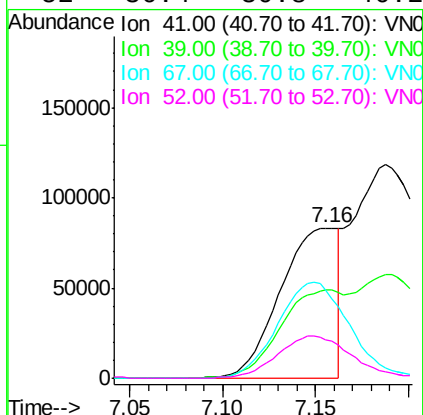
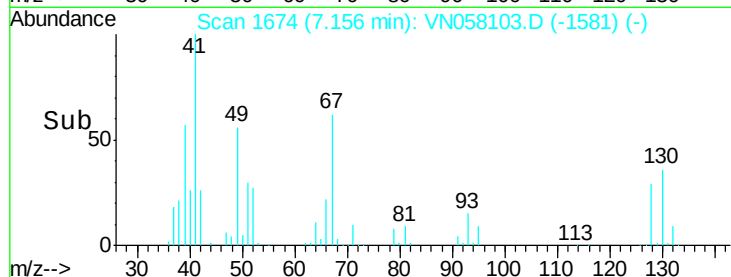
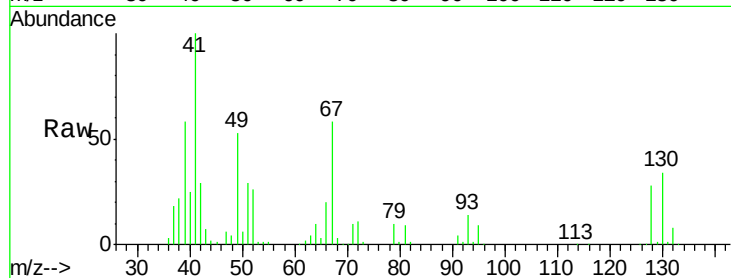
#41
Methacrylonitrile
Concen: 60.624 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	178706
Ion Ratio	Lower	Upper	
41	100		
39	63.9	51.0	76.6
67	80.7	70.7	106.1
52	36.4	30.8	46.2

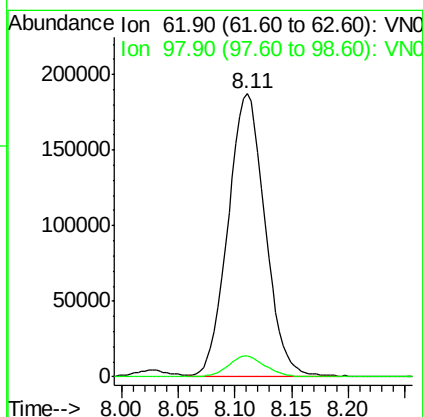
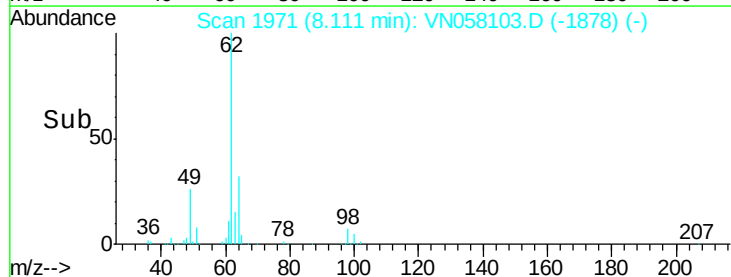
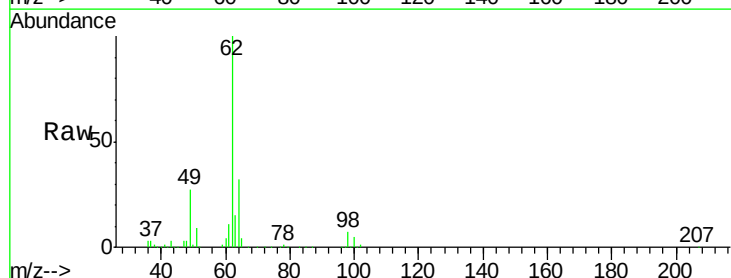
Manual Integrations
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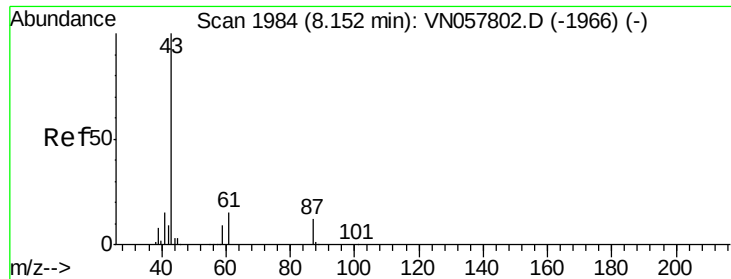
MMDadoda
9/18/2019 2:57:03 PM



#42
1,2-Dichloroethane
Concen: 56.155 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	62	Resp	424974
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	15.8





#43

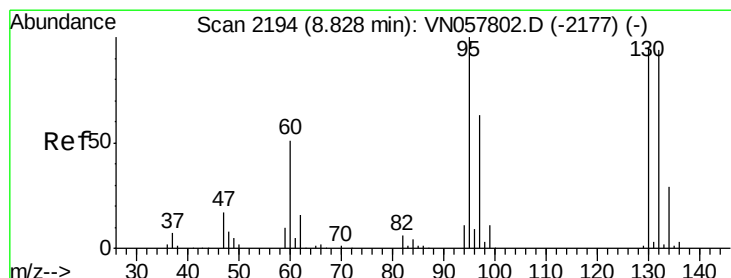
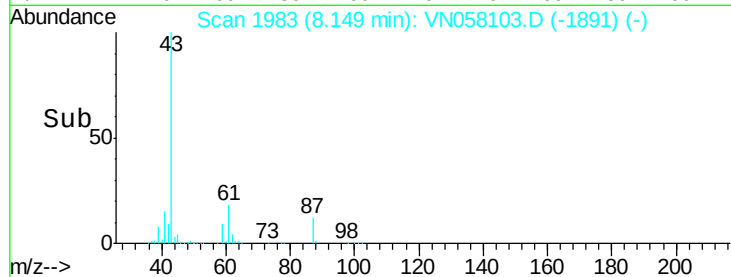
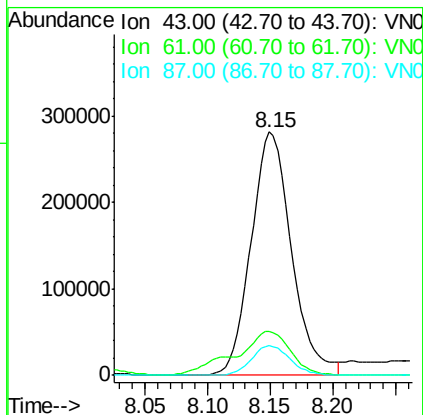
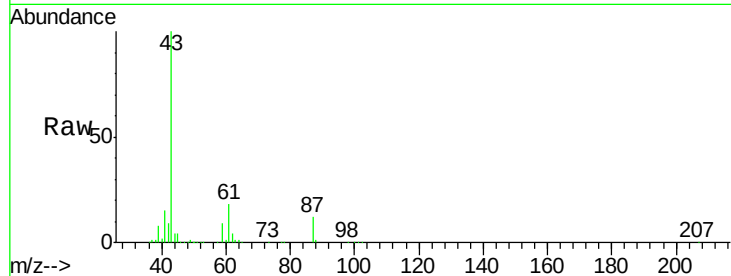
Isopropyl Acetate
 Concen: 57.479 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.1	30.1
87	11.8	9.5	14.3

Manual Integrations
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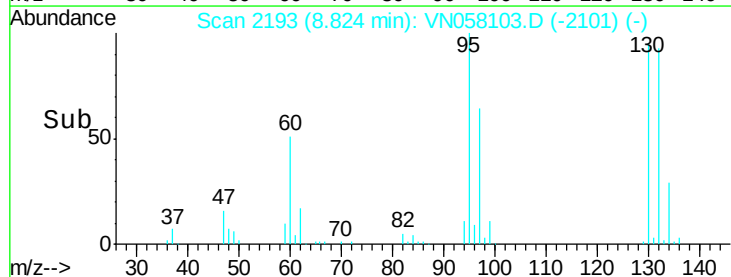
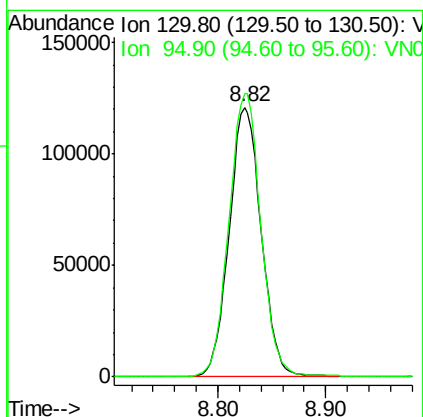
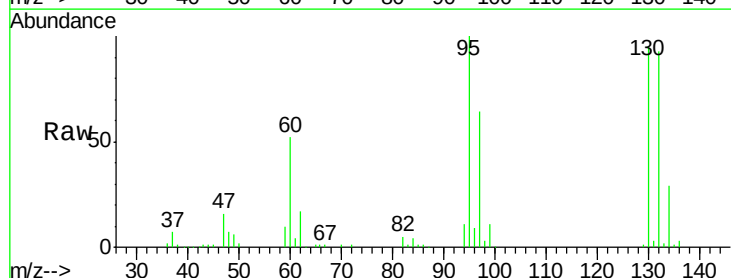
MMDadoda
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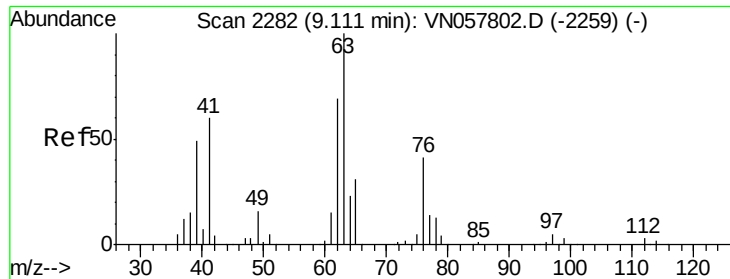


#44

Trichloroethene
 Concen: 53.938 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	211.4





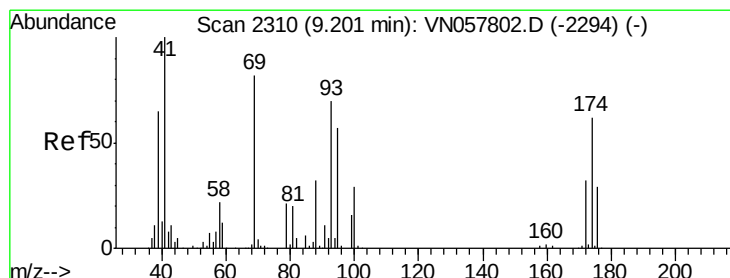
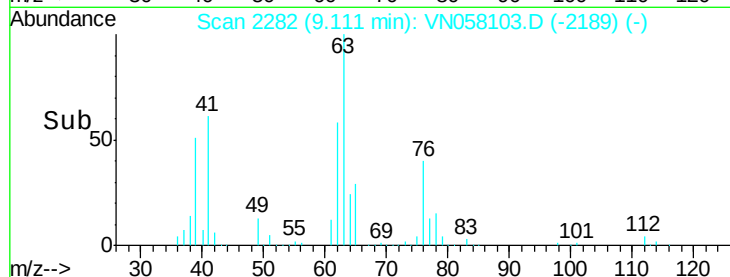
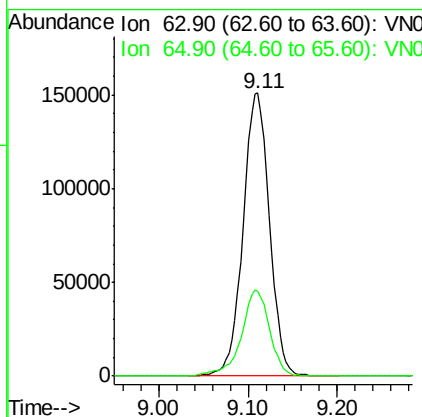
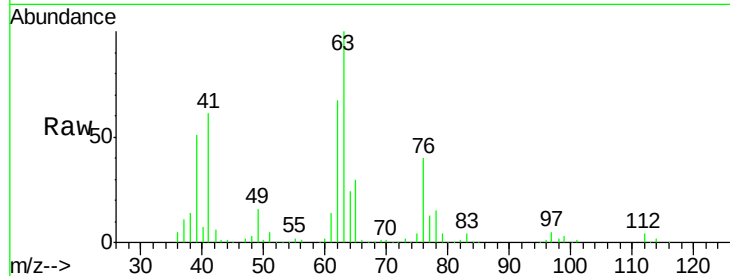
#45
 1,2-Dichloropropane
 Concen: 56.550 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 311377
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2

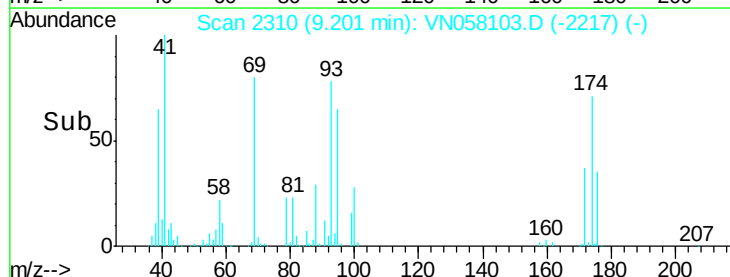
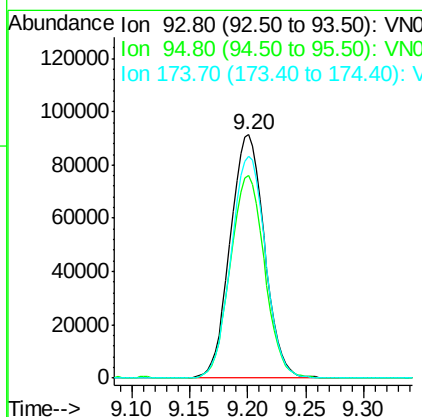
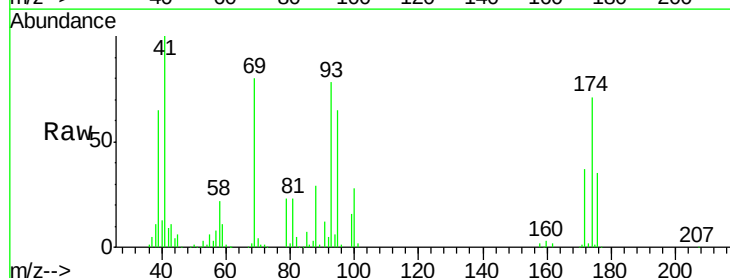
Manual Integrations
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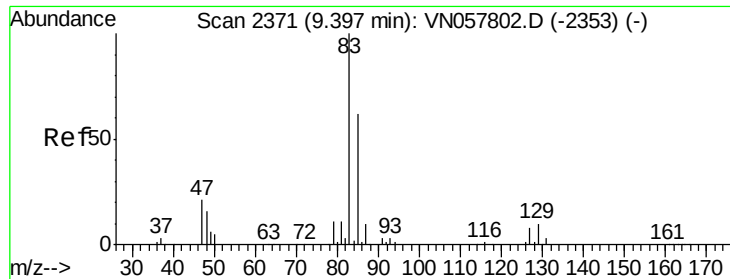
MMDadoda
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#46
 Dibromomethane
 Concen: 56.214 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 93 Resp: 187041
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 91.3 71.8 107.6





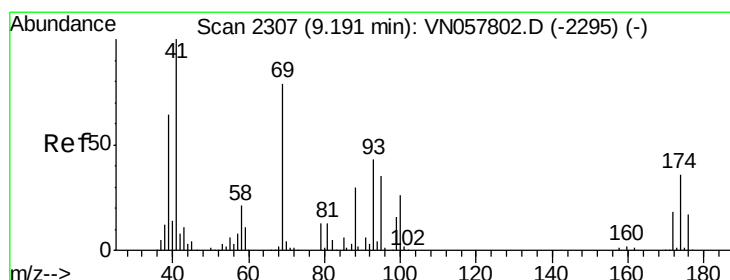
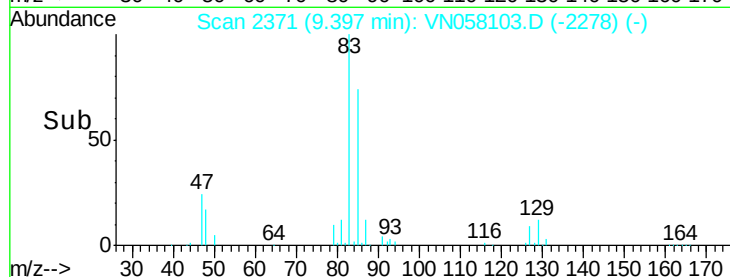
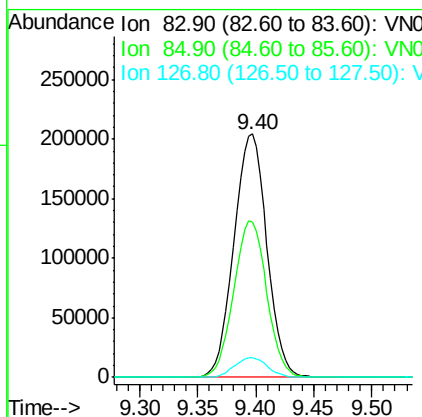
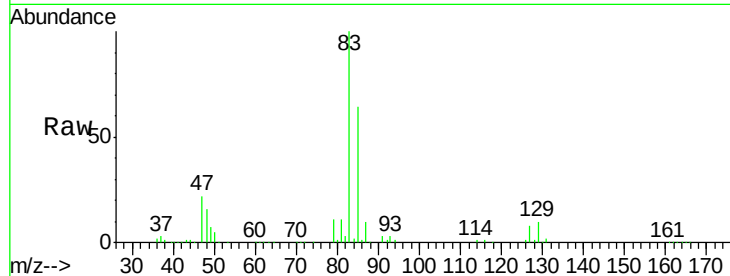
#47
Bromodichloromethane
Concen: 60.622 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	402794
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.1	6.5	9.7

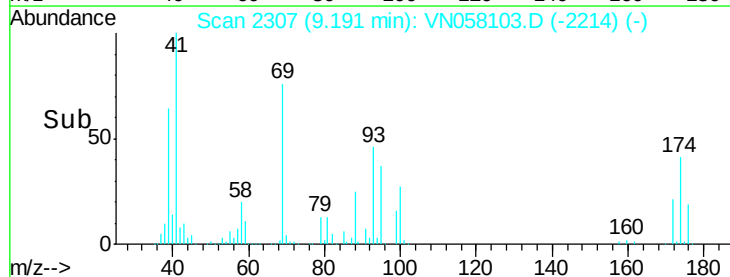
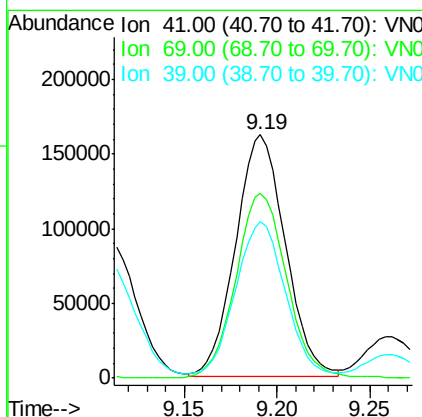
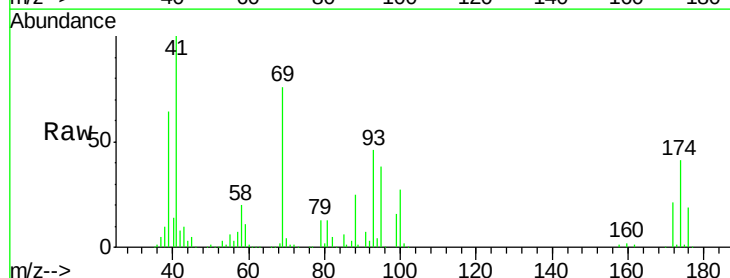
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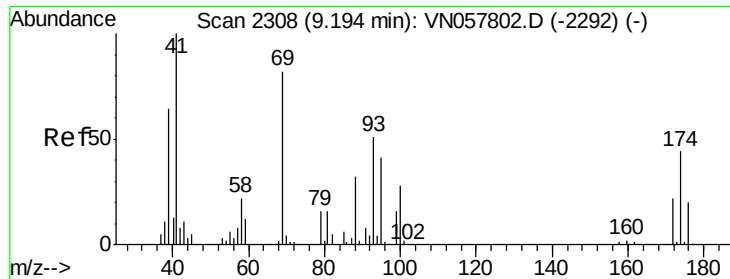
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#48
Methyl methacrylate
Concen: 54.730 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	41	Resp	303186
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	62.7	94.1
39	65.2	52.7	79.1





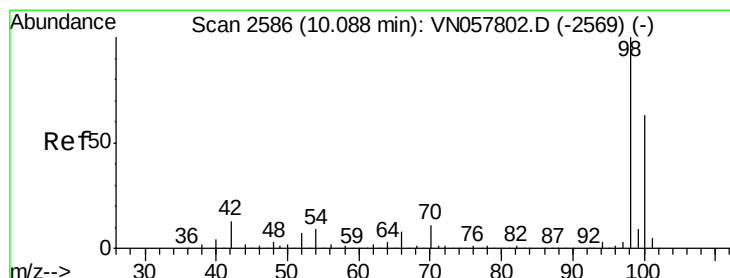
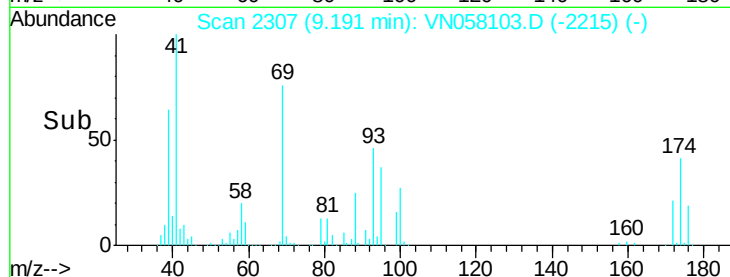
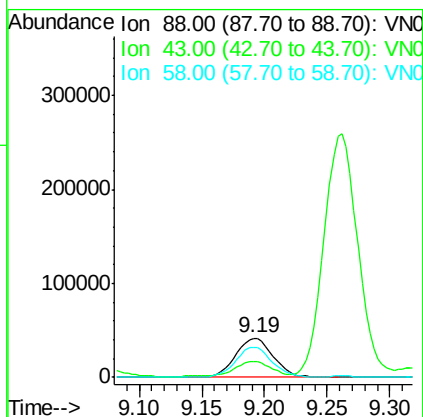
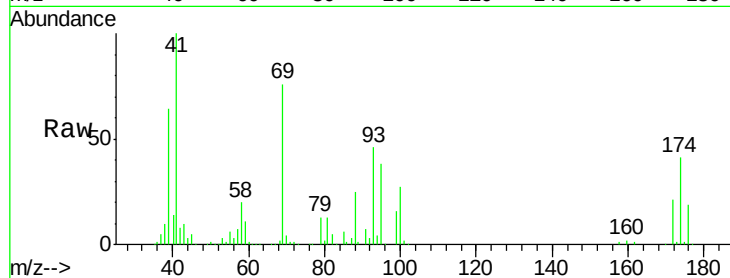
#49
1,4-Dioxane
Concen: 924.414 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	74.5	55.8	83.6

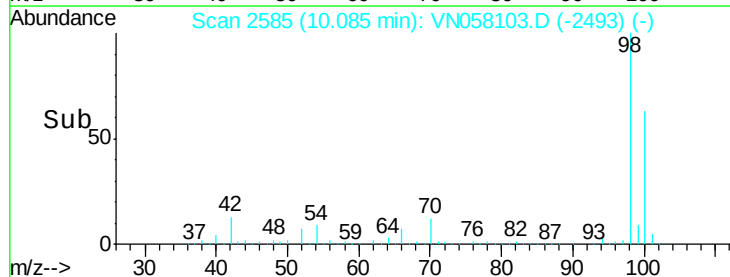
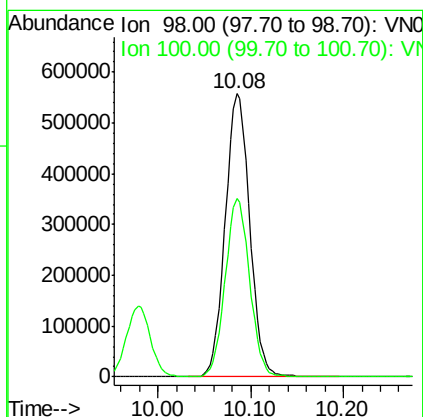
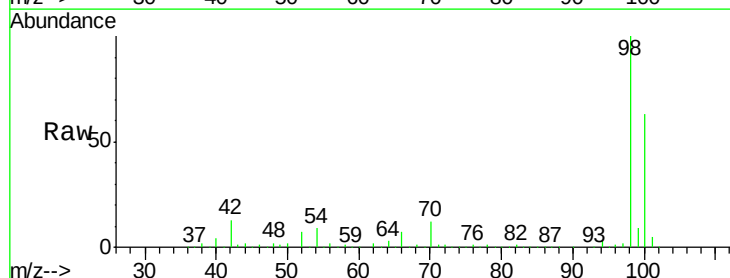
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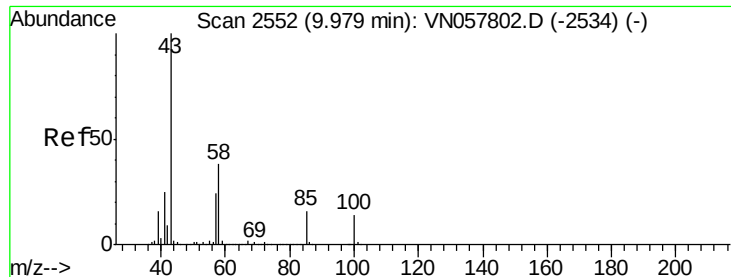
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#50
Toluene-d8
Concen: 52.702 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 288.522 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1864560

Ion Ratio Lower Upper

43 100

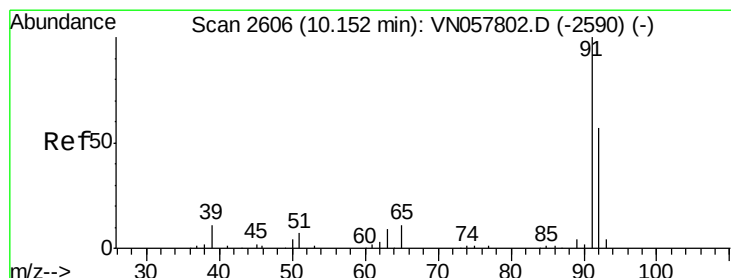
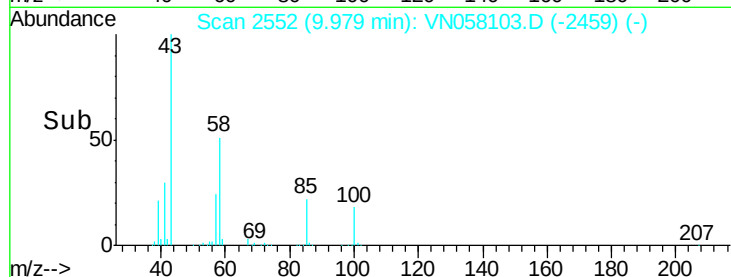
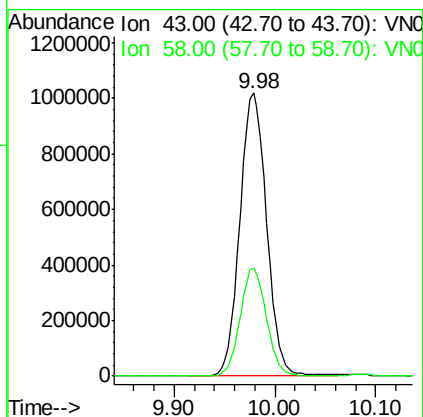
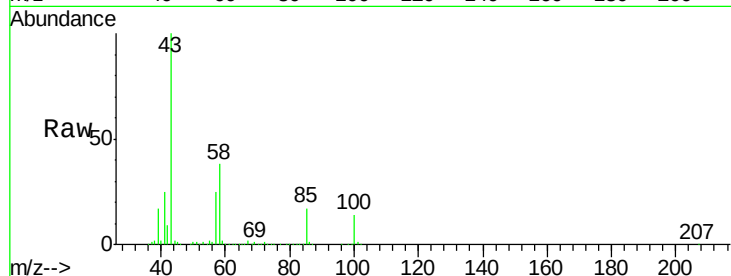
58 37.4 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 54.458 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058103.D

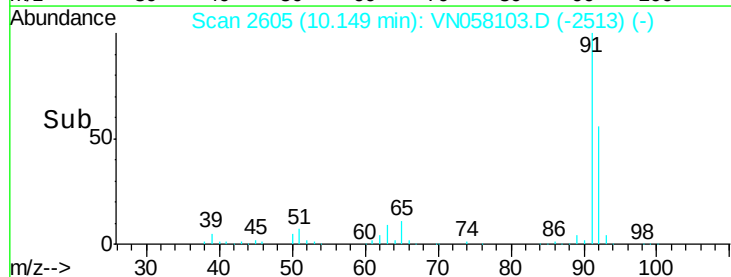
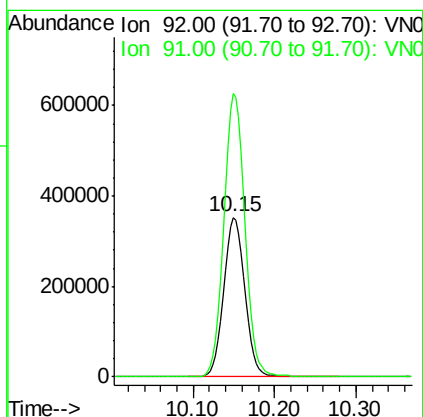
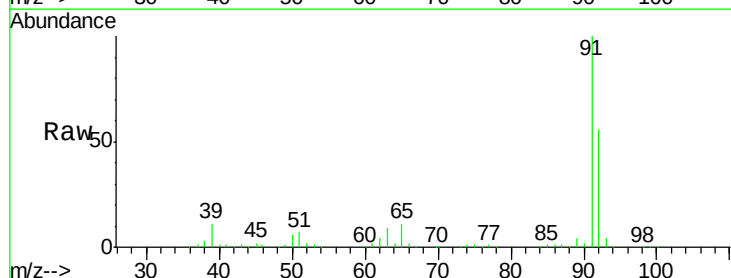
Acq: 16 Sep 2019 9:19

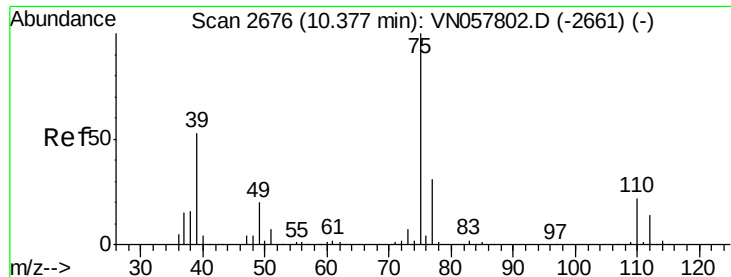
Tgt Ion: 92 Resp: 649049

Ion Ratio Lower Upper

92 100

91 177.1 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 61.267 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 428679

Ion Ratio Lower Upper

75 100

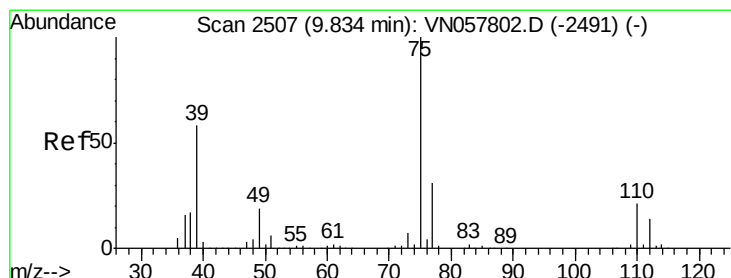
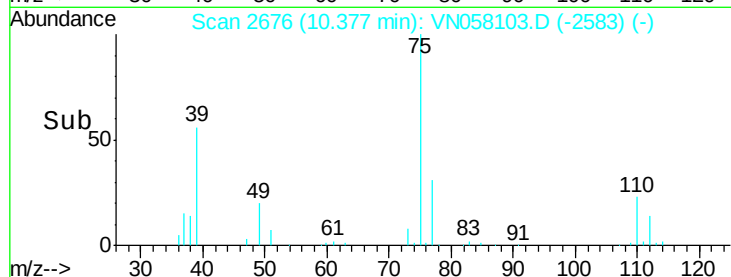
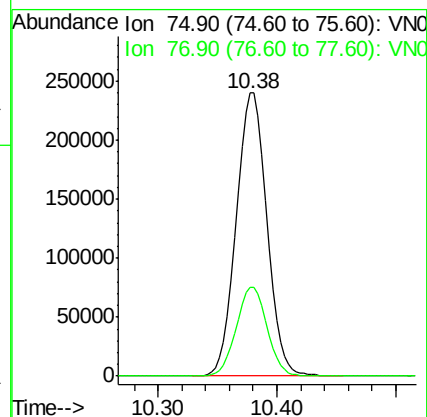
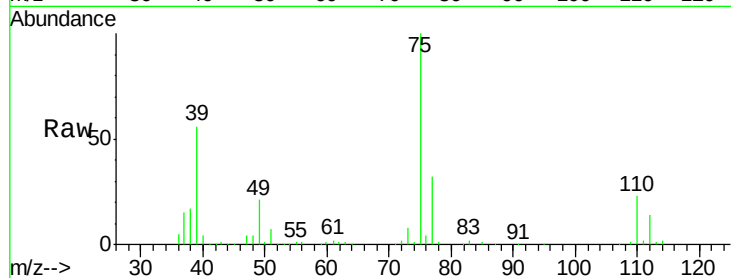
77 31.5 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 59.896 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

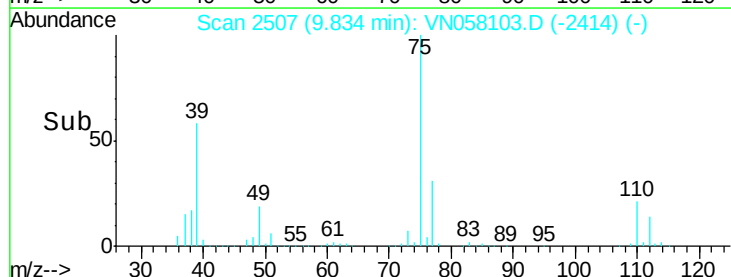
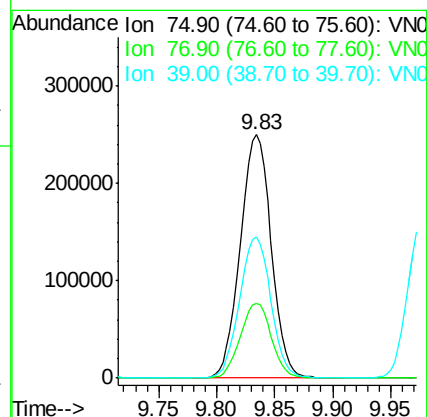
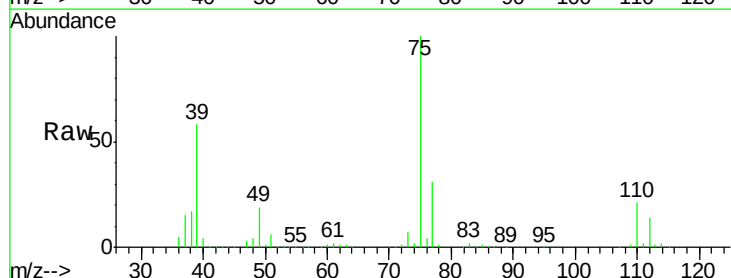
Tgt Ion: 75 Resp: 462696

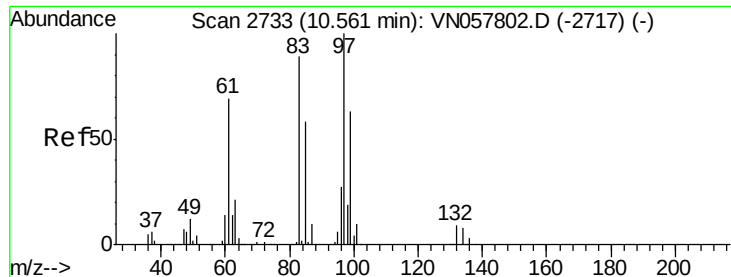
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 57.7 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 57.934 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

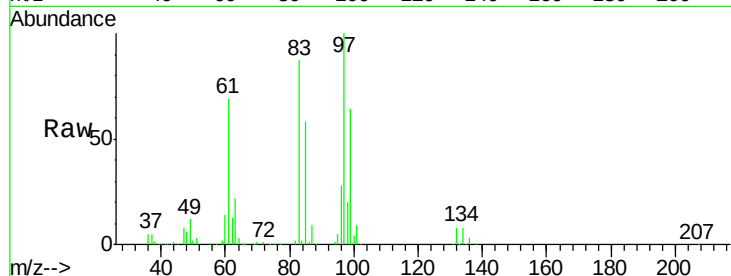
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	292476
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.8	106.2
85	57.9	46.0	69.0
99	64.0	50.6	76.0

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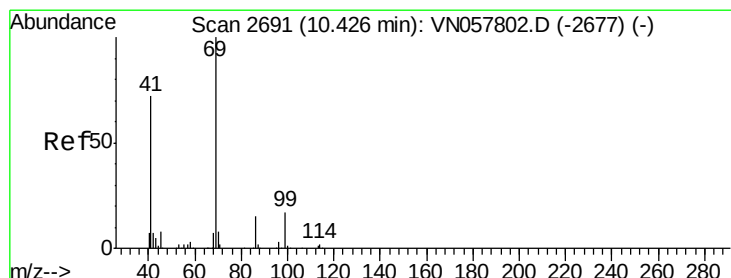
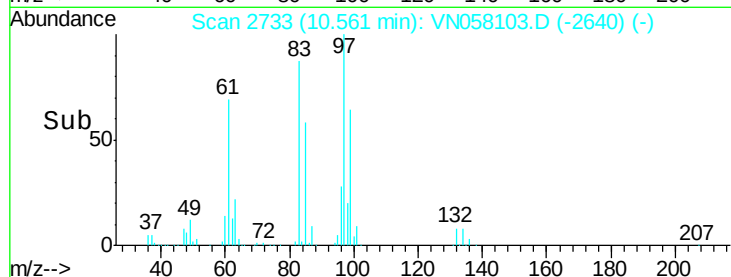
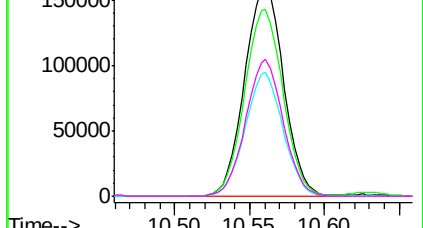


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.530 ug/l

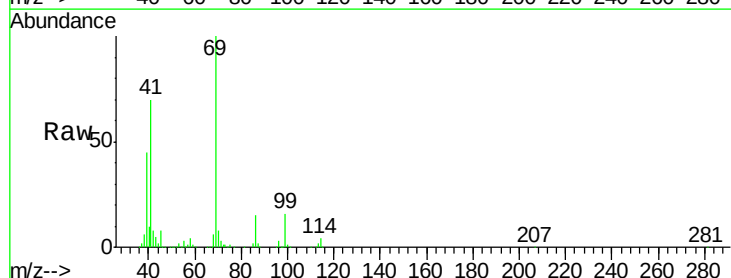
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

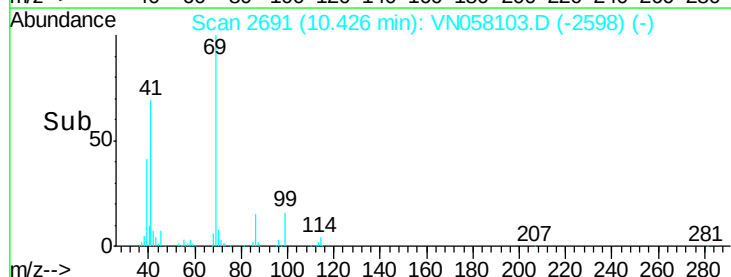
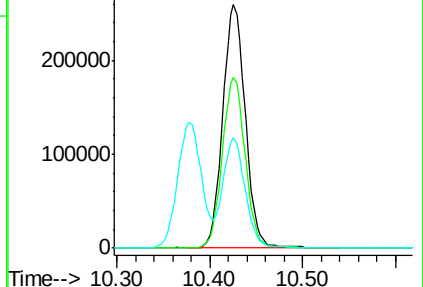
Tgt Ion:	69	Resp:	437370
Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.7	85.1
39	44.7	36.3	54.5

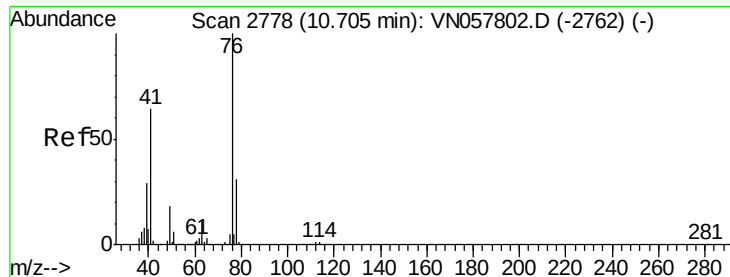


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





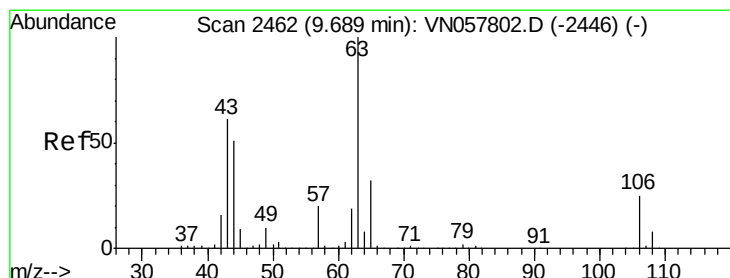
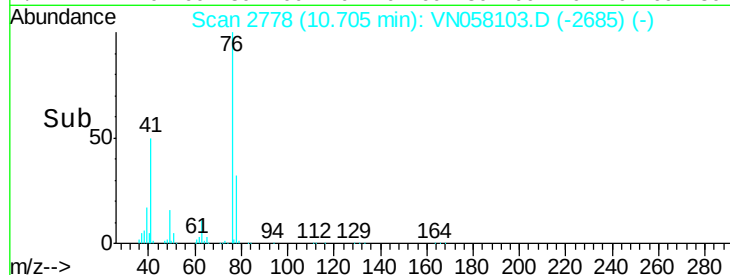
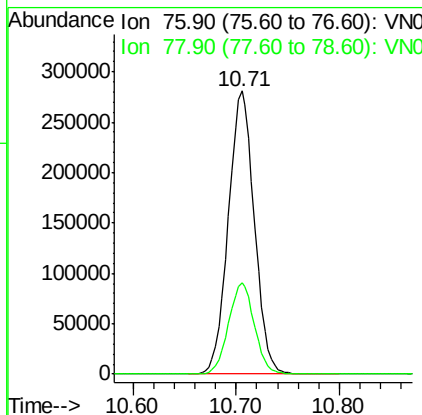
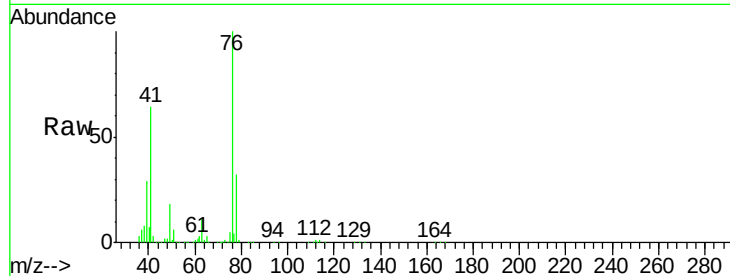
#57
 1,3-Dichloropropane
 Concen: 56.748 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.2

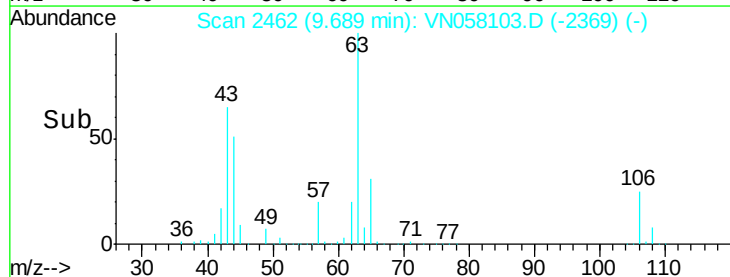
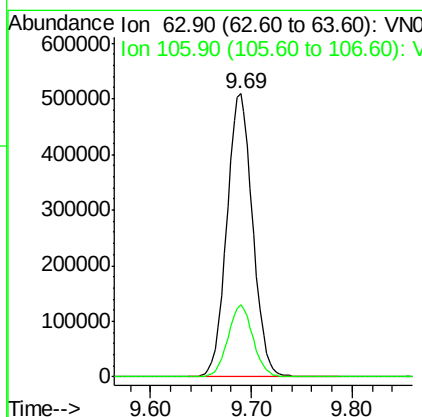
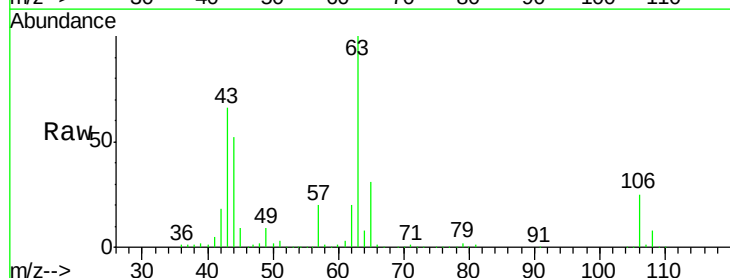
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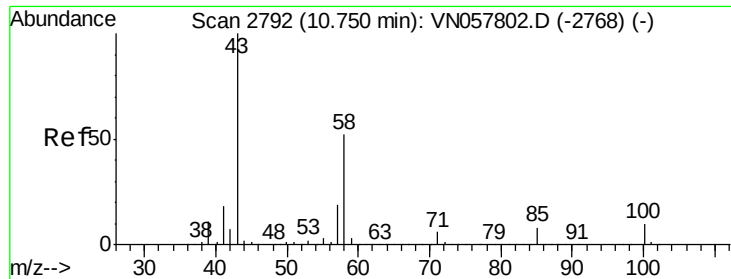
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#58
 2-Chloroethyl Vinyl ether
 Concen: 253.509 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.0	30.0





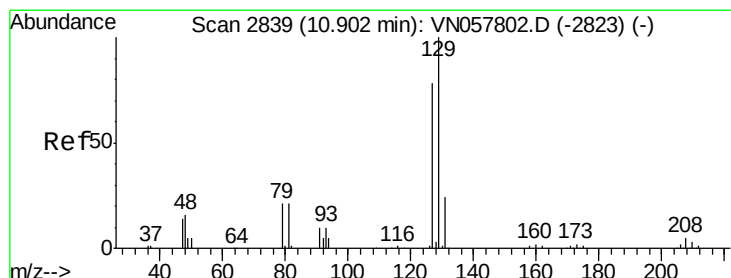
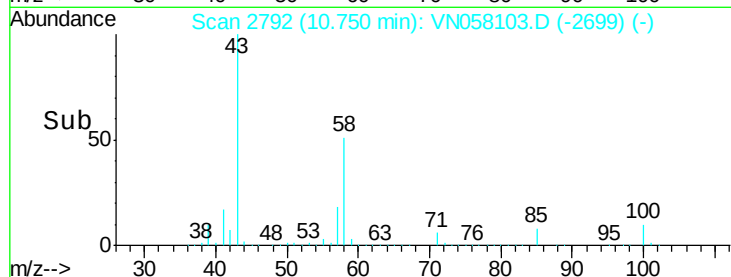
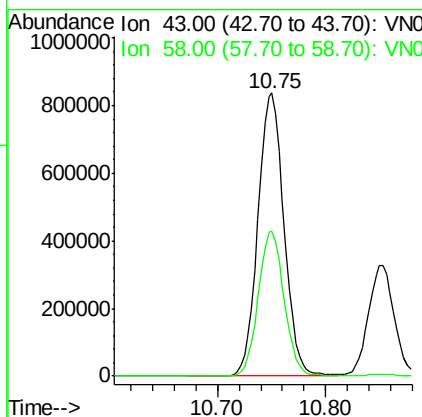
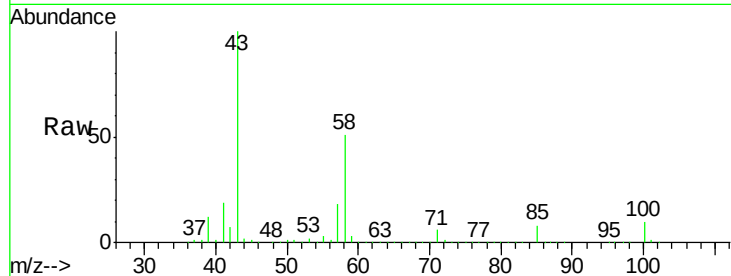
#59
2-Hexanone
Concen: 288.765 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1398735
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8

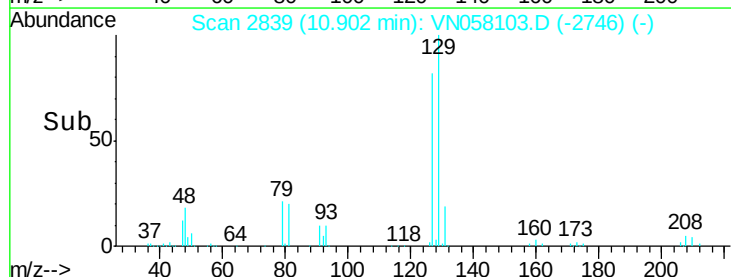
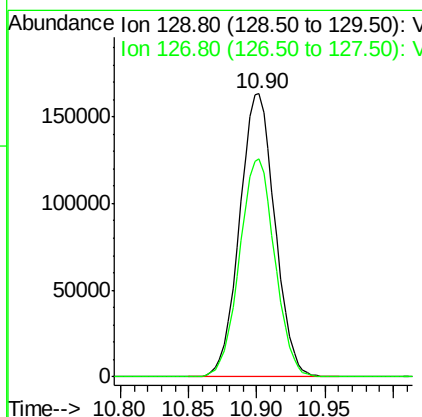
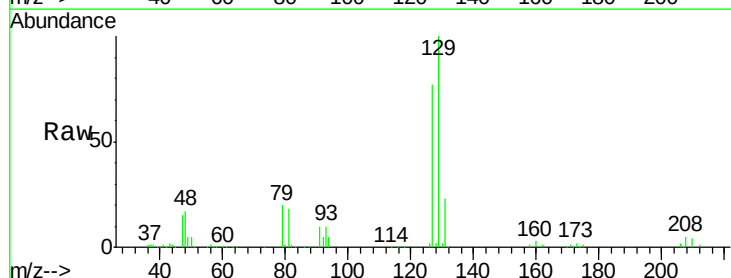
Manual Integrations
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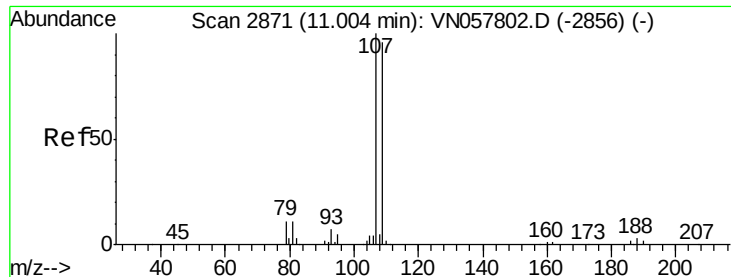
MMDadoda
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#60
Dibromochloromethane
Concen: 62.538 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 129 Resp: 293175
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 57.266 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 273320

Ion Ratio Lower Upper

107 100

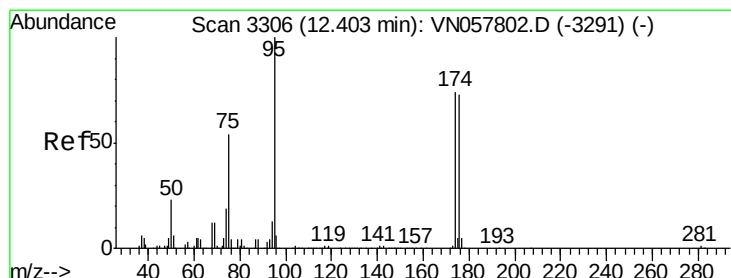
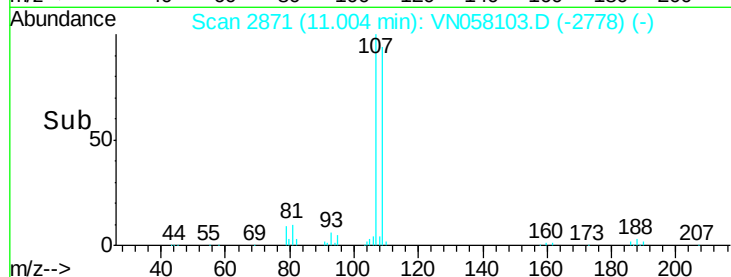
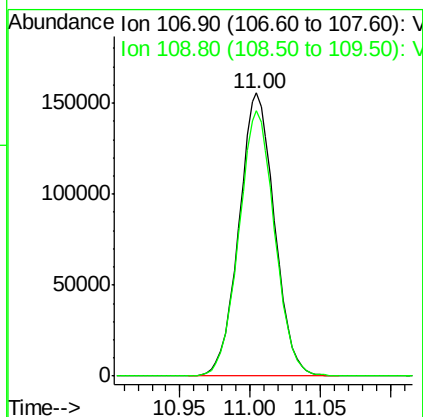
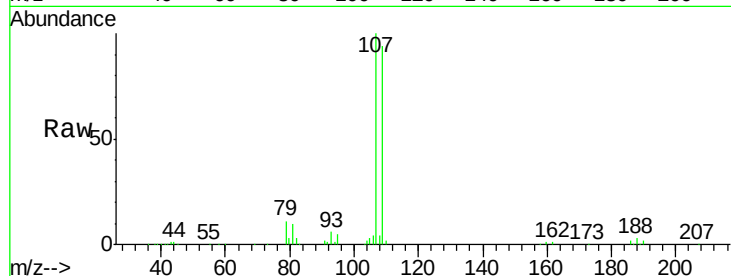
109 94.7 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 50.244 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

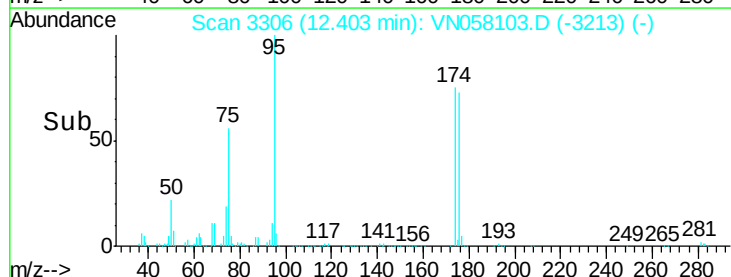
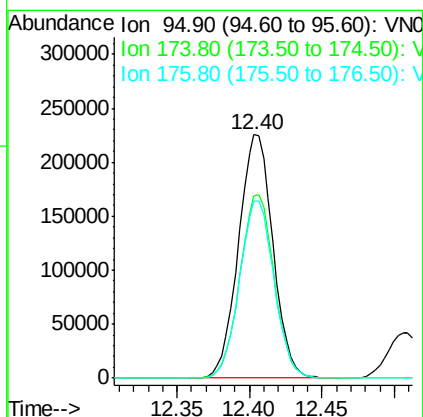
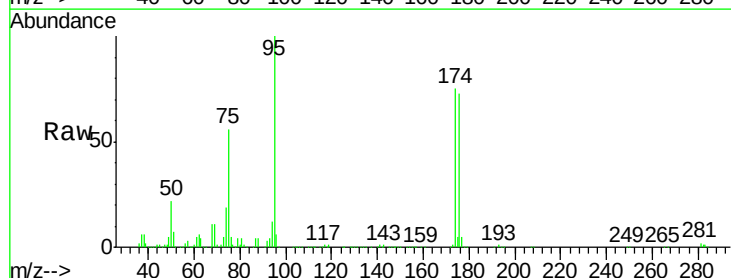
Tgt Ion: 95 Resp: 371854

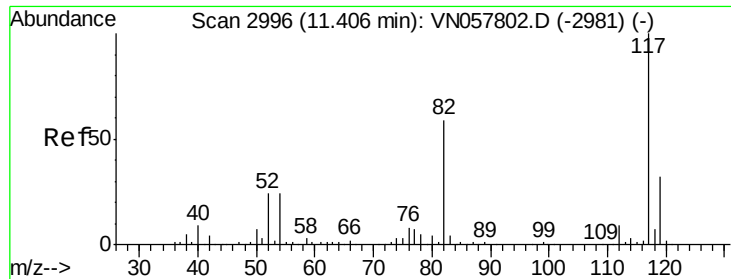
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

176 73.0 0.0 146.0





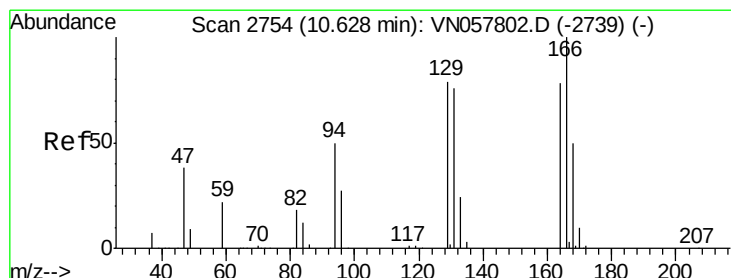
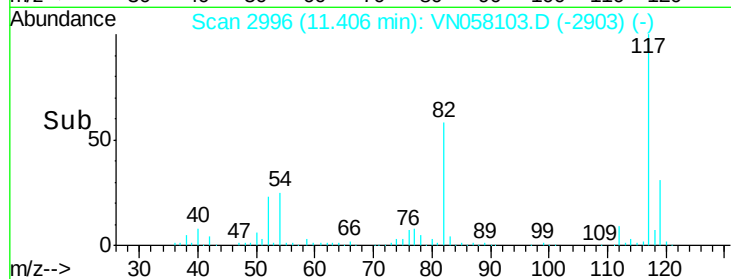
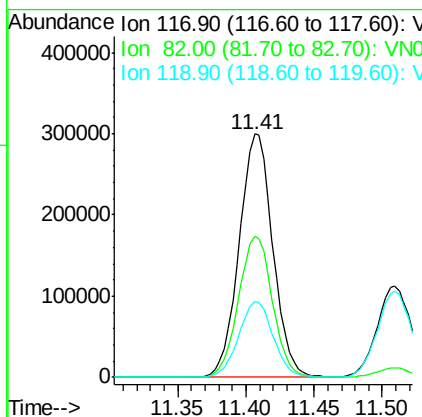
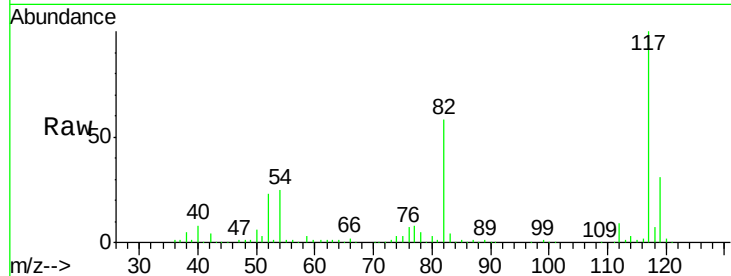
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	31.1	25.3	37.9

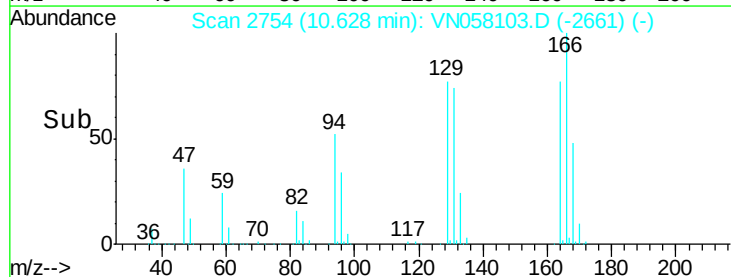
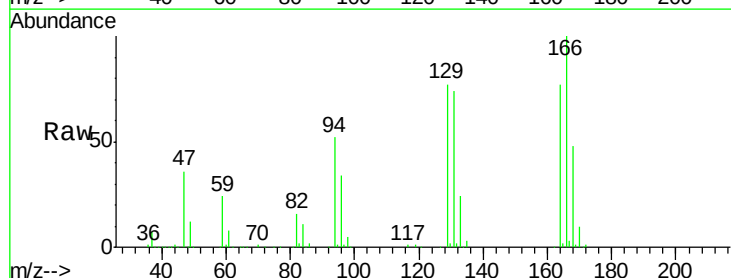
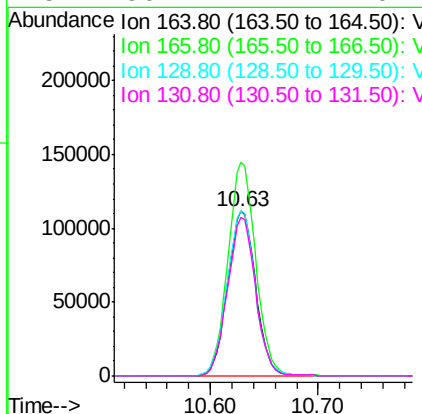
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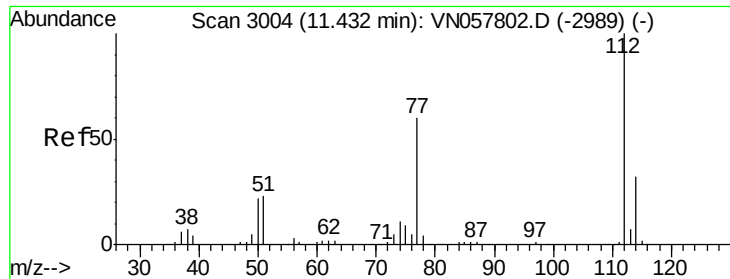
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#64
Tetrachloroethene
Concen: 53.656 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.2	153.2
129	99.9	80.8	121.2
131	96.1	77.4	116.2





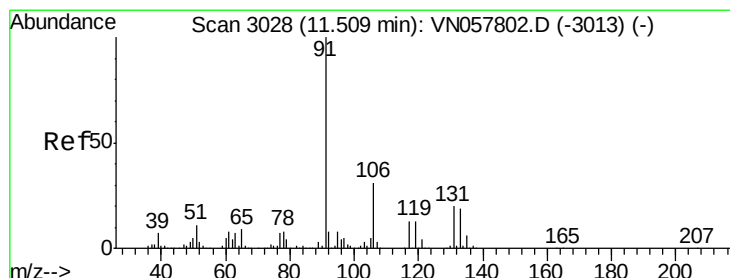
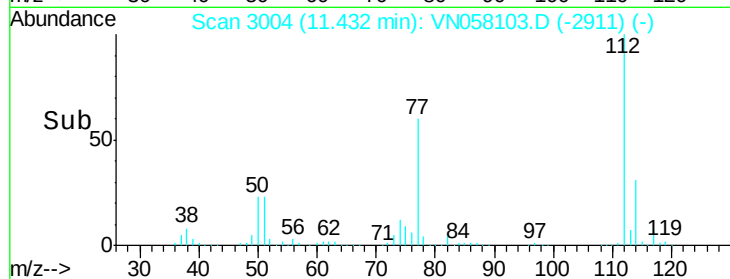
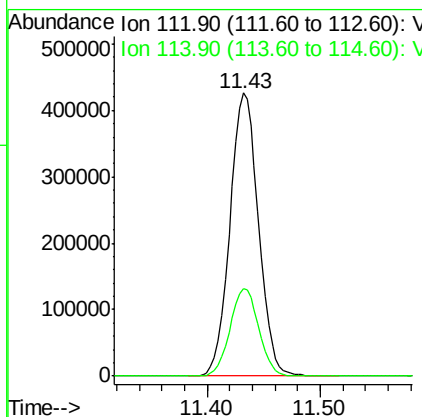
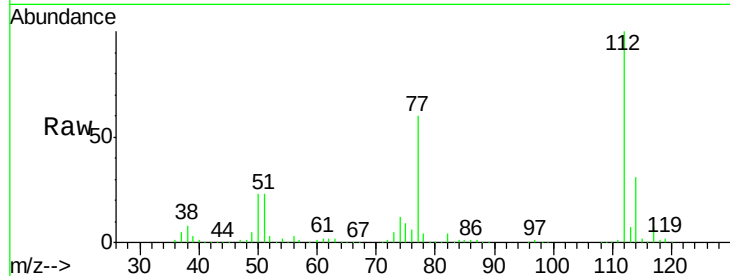
#65
Chlorobenzene
Concen: 55.523 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 746456
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

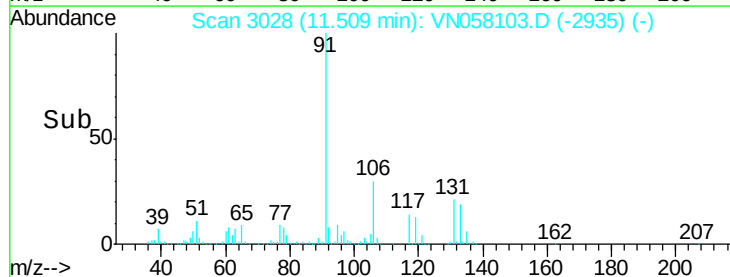
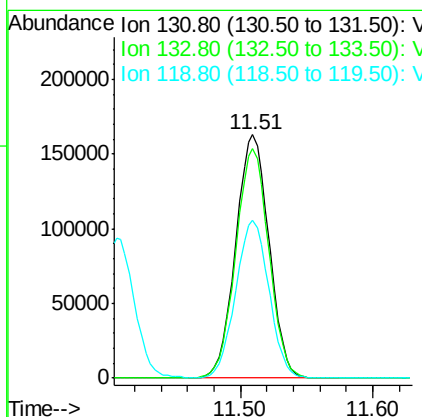
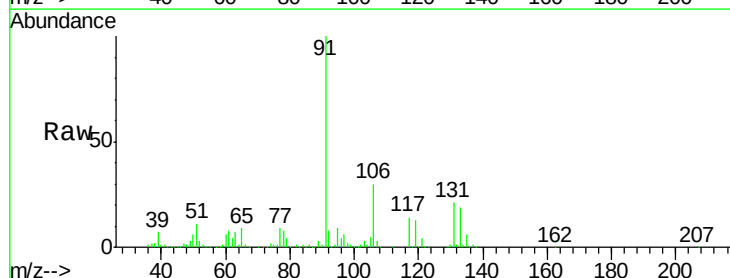
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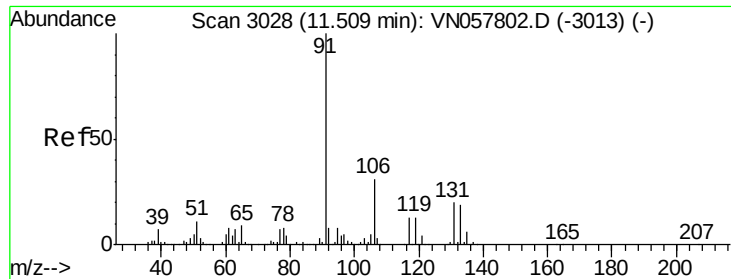
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.742 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion:131 Resp: 283361
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.3
119 64.9 33.3 99.8





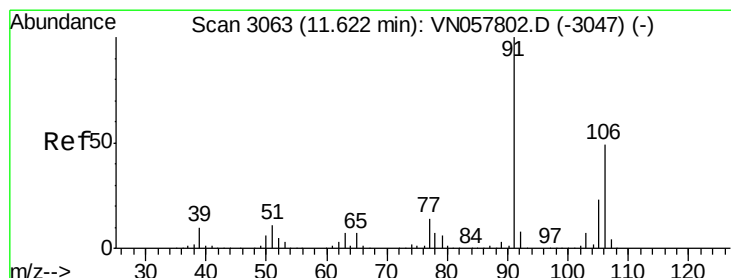
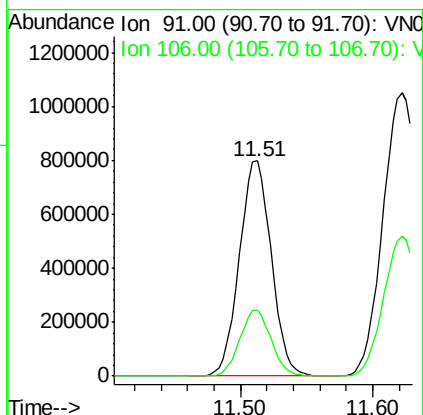
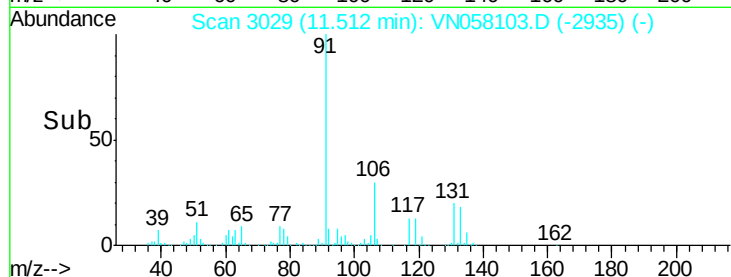
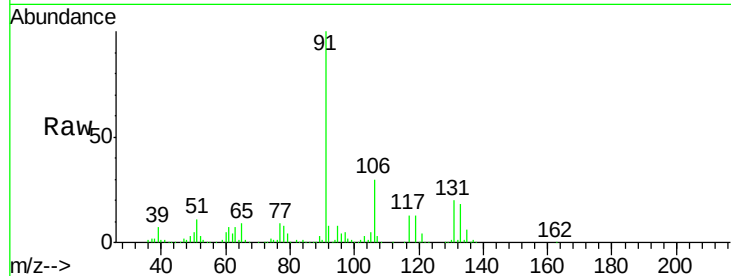
#67
Ethyl Benzene
Concen: 56.677 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1335375
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

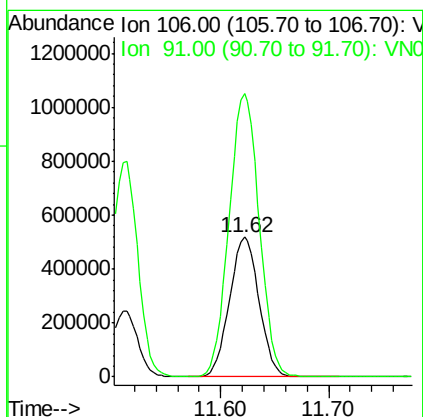
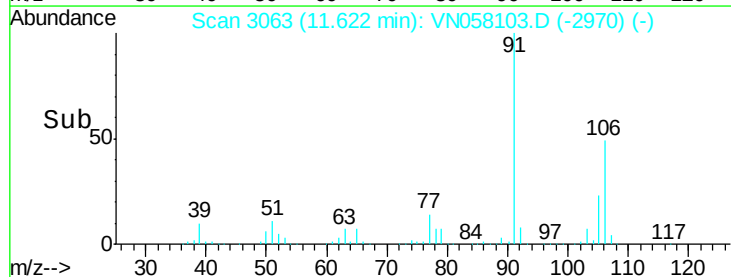
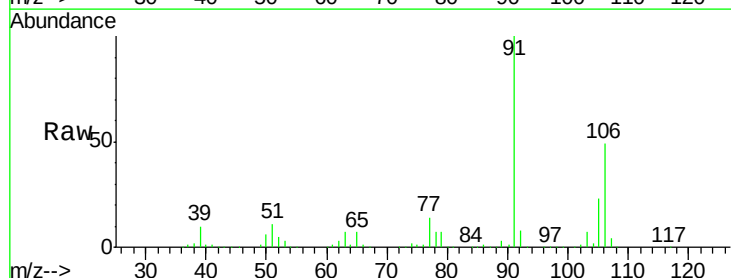
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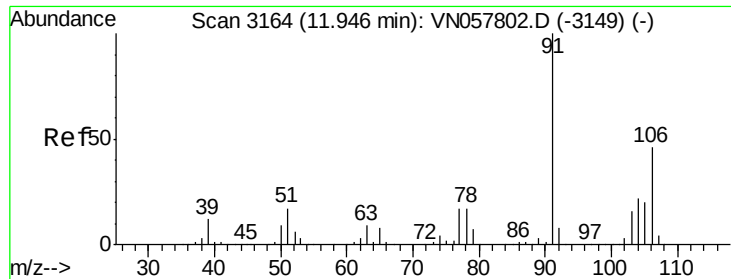
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#68
m/p-Xylenes
Concen: 114.362 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 106 Resp: 986999
Ion Ratio Lower Upper
106 100
91 207.0 165.8 248.6





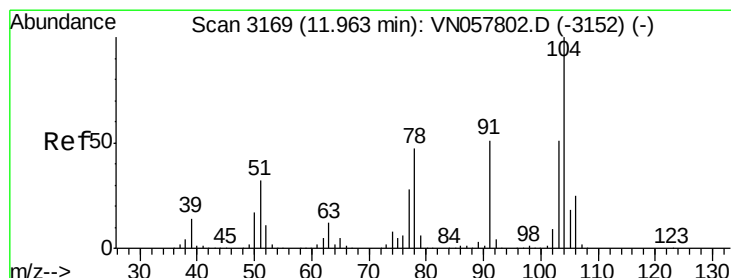
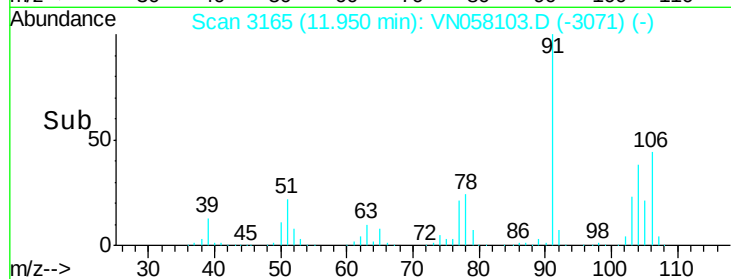
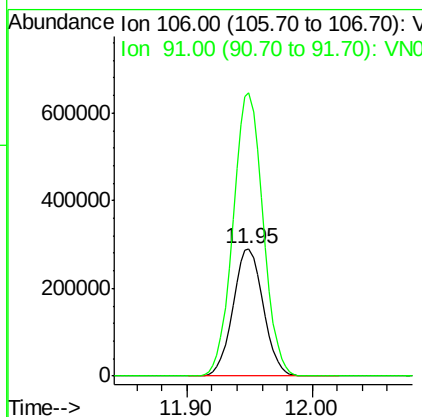
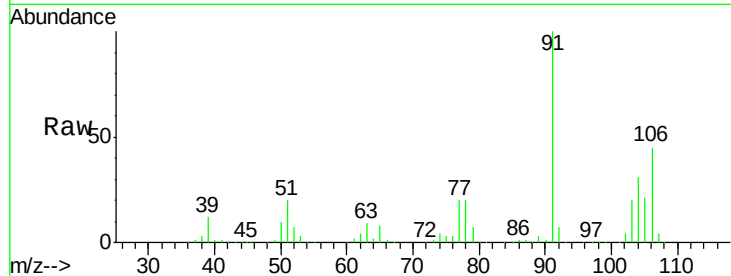
#69
o-Xylene
Concen: 56.838 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 487664
Ion Ratio Lower Upper
106 100
91 220.0 108.7 326.1

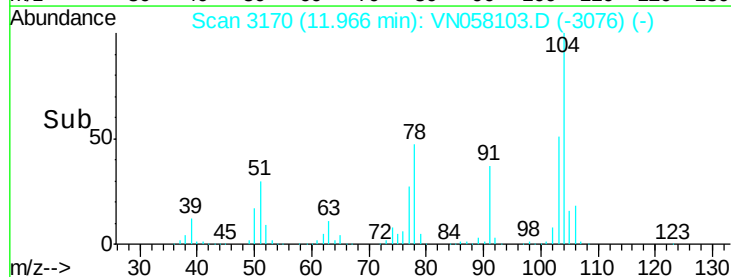
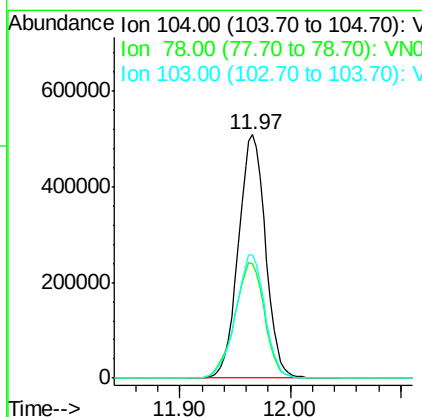
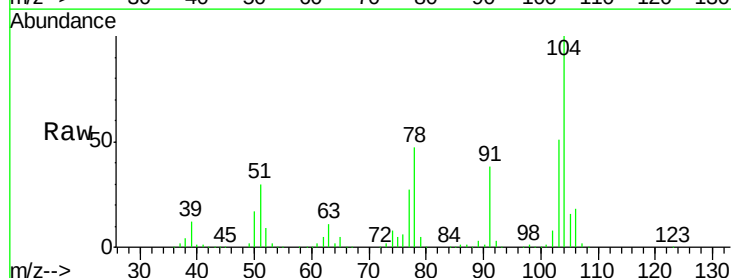
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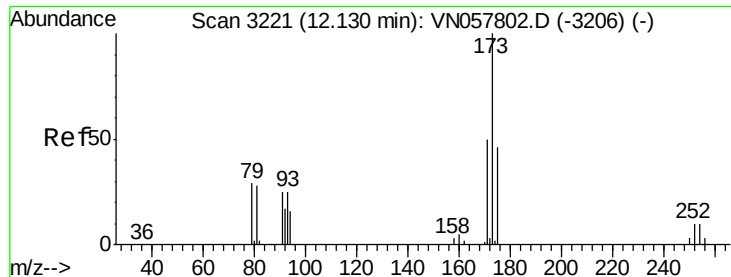
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#70
Styrene
Concen: 58.594 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion:104 Resp: 865197
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 54.5 43.7 65.5





#71

Bromoform

Concen: 62.427 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 181567

Ion Ratio Lower Upper

173 100

175 47.9 23.5 70.6

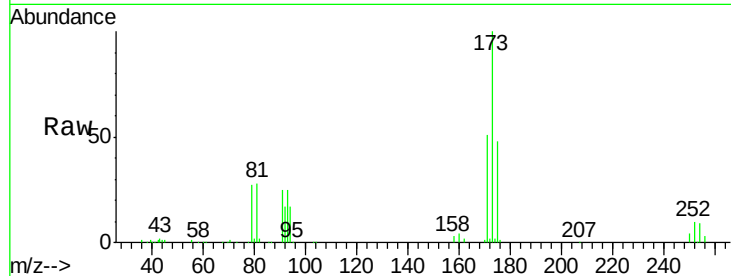
254 0.0 0.1 0.1#

Manual Integrations

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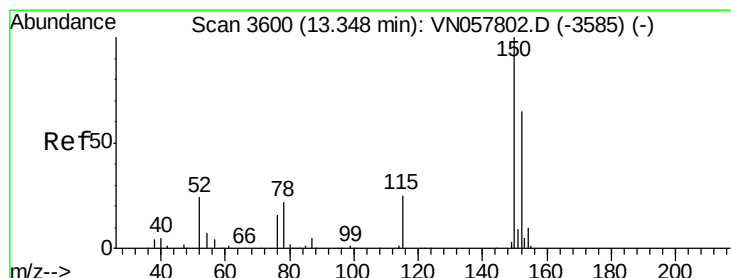
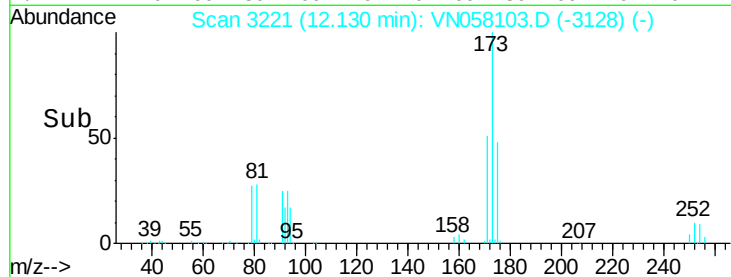
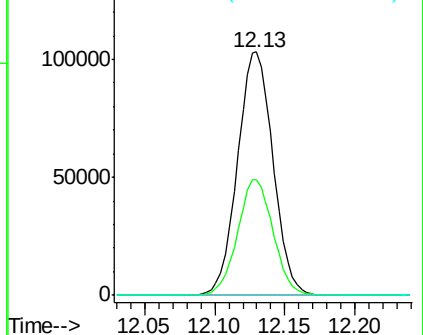
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

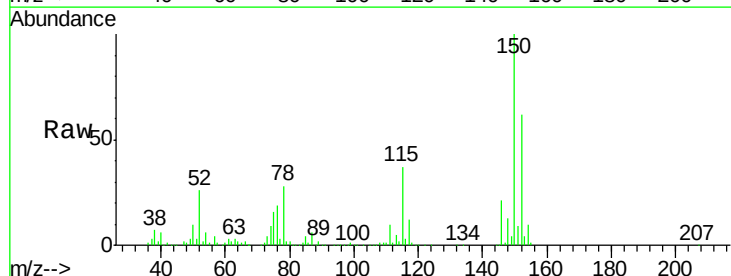
Tgt Ion:152 Resp: 319660

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

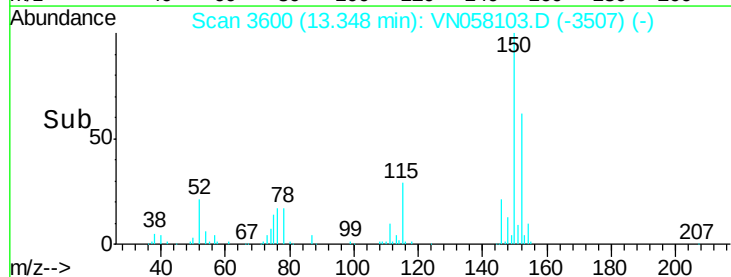
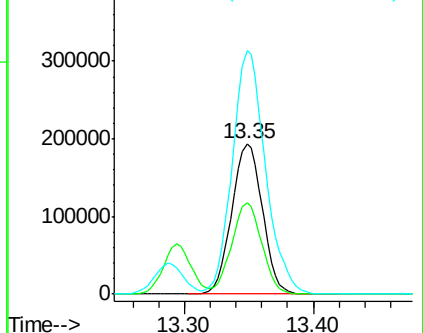
150 175.8 0.0 352.4

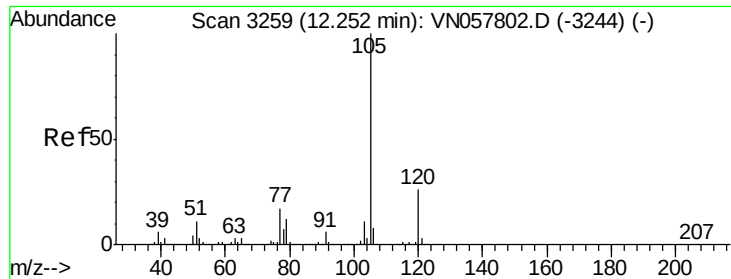


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.169 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1368444

Ion Ratio Lower Upper

105 100

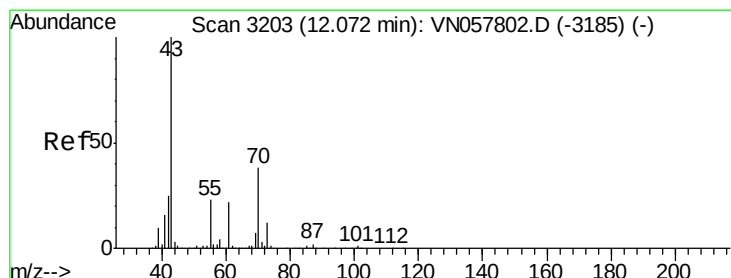
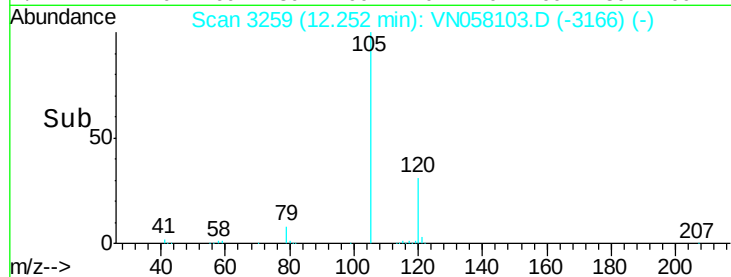
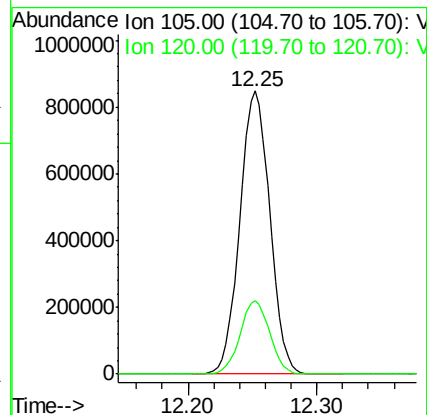
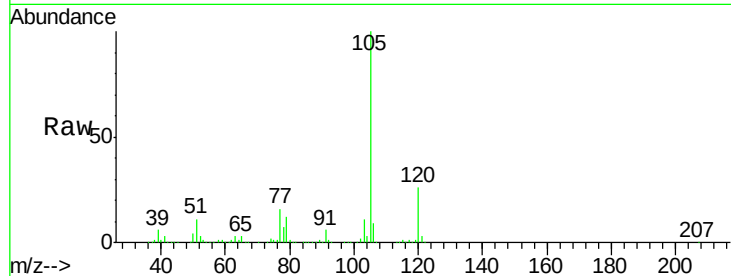
120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 53.228 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion: 43 Resp: 574596

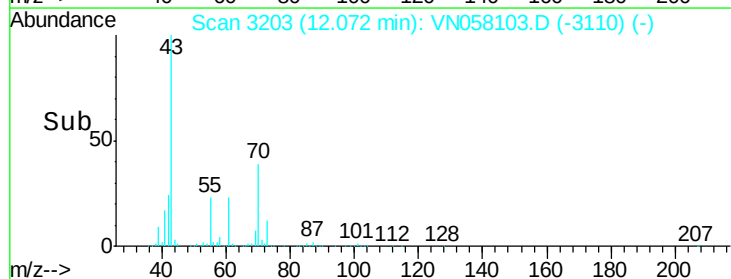
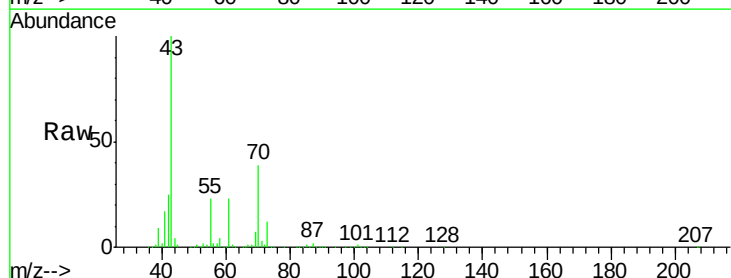
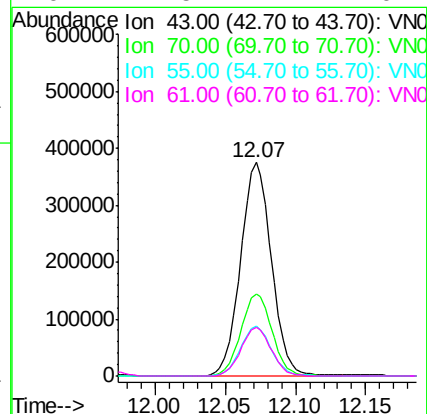
Ion Ratio Lower Upper

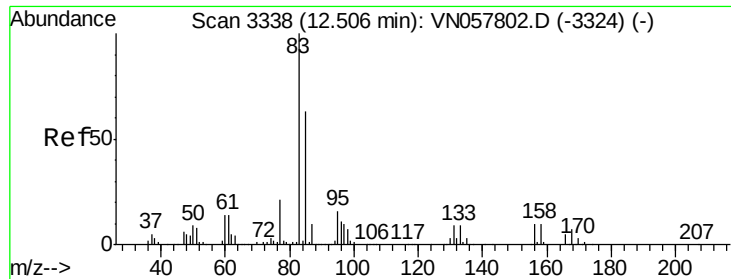
43 100

70 39.0 30.6 45.8

55 23.4 18.6 27.8

61 22.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.802 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

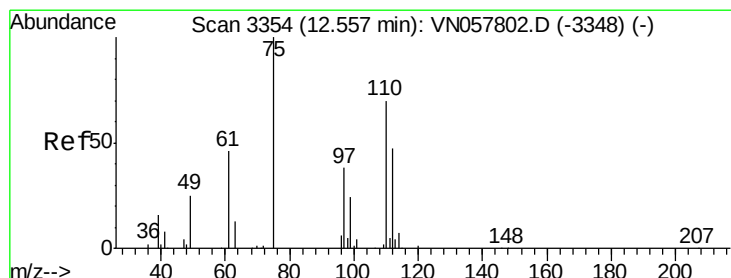
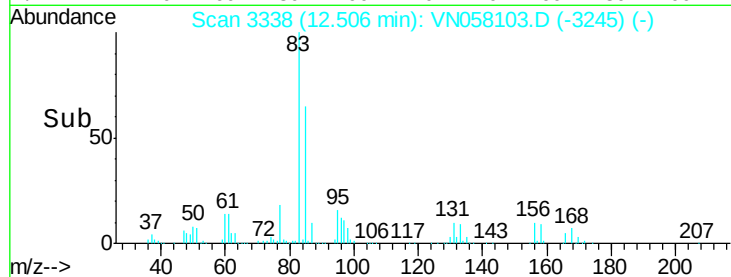
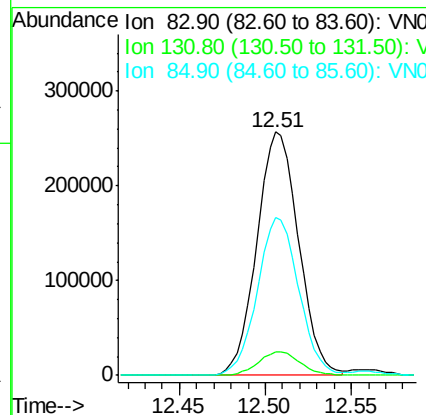
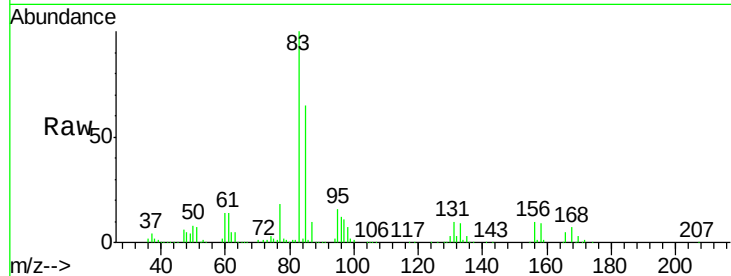
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	432632
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	64.1	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 50.295 ug/l m

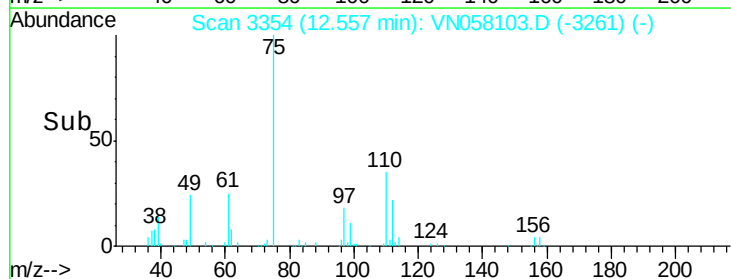
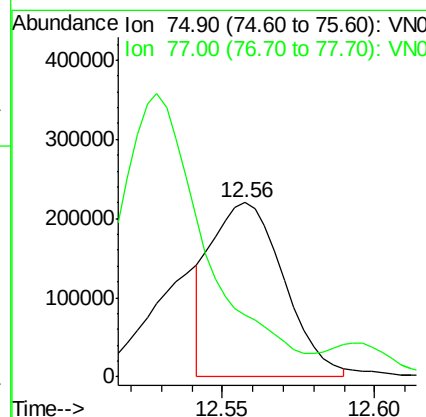
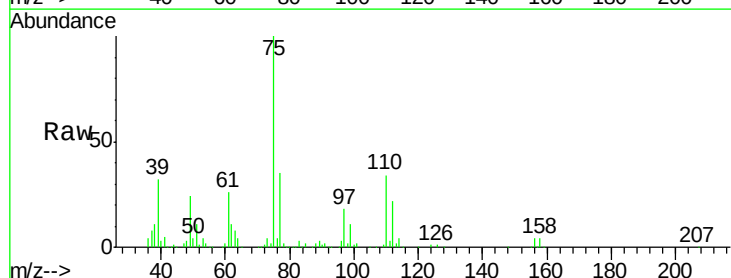
RT: 12.56 min Scan# 3354

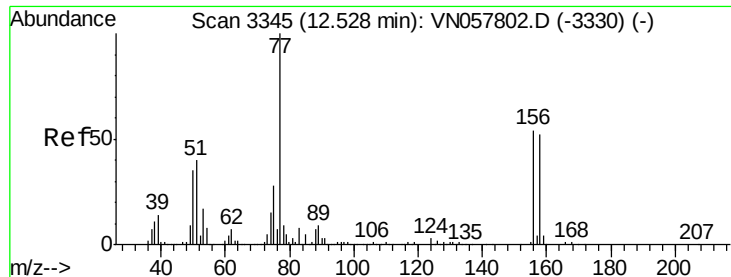
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	75	Resp:	363699
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.350 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

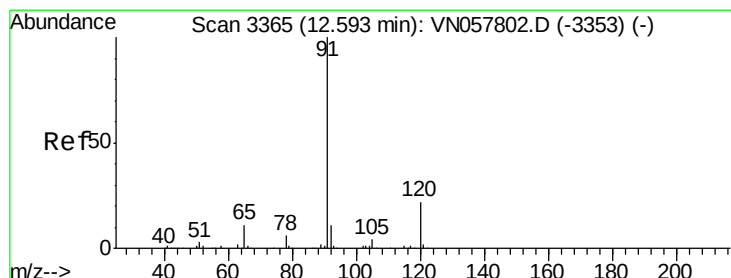
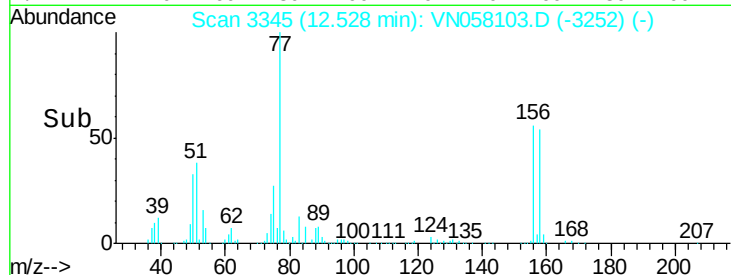
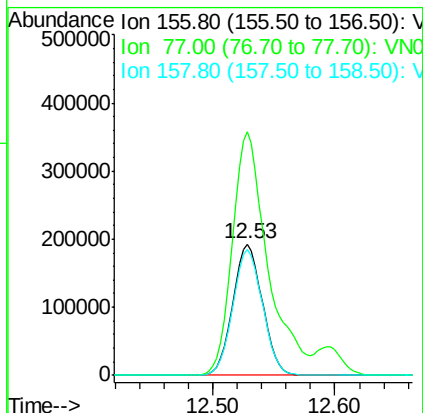
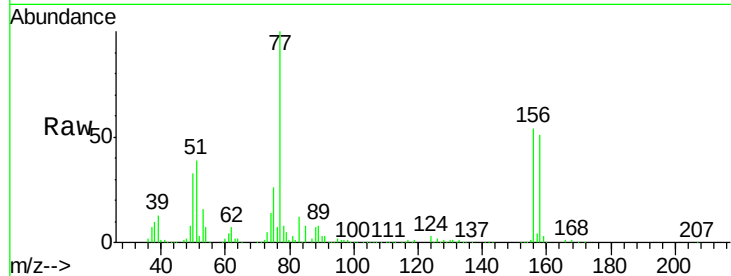
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	113.7	341.1
158	96.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 56.814 ug/l

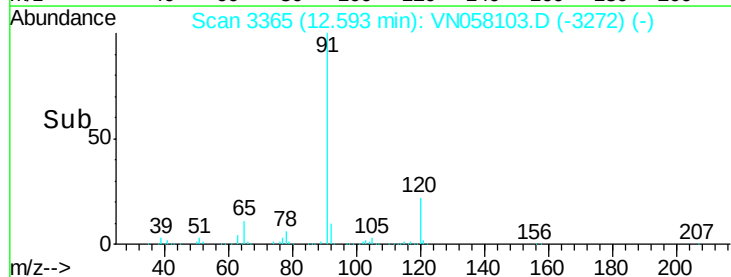
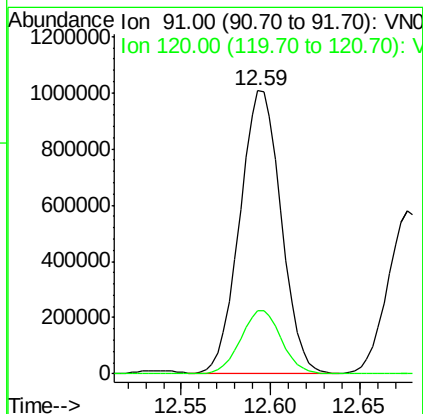
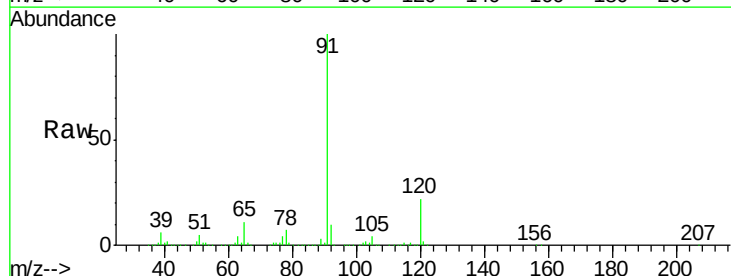
RT: 12.59 min Scan# 3365

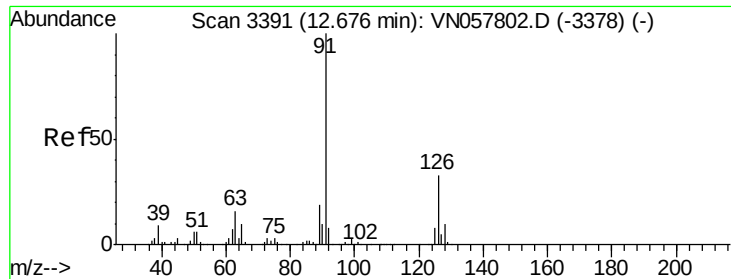
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 52.992 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 953988

Ion Ratio Lower Upper

91 100

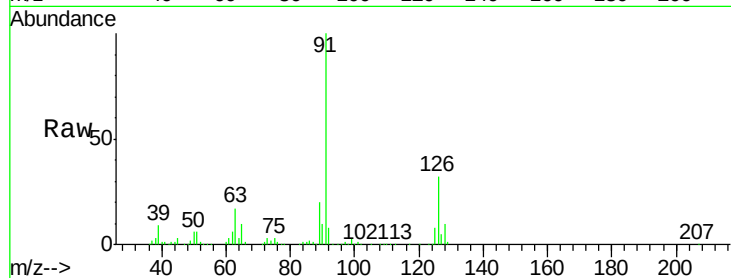
126 32.7 16.4 49.2

Manual Integrations

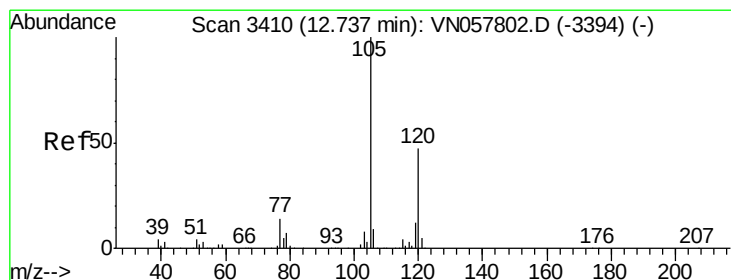
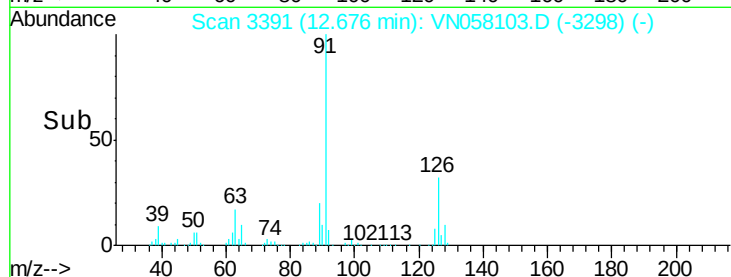
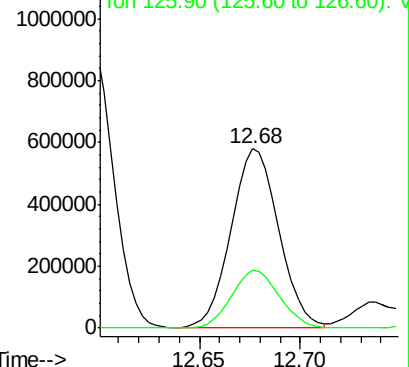
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Abundance Ion 91.00 (90.70 to 91.70): VN058103.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.474 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058103.D

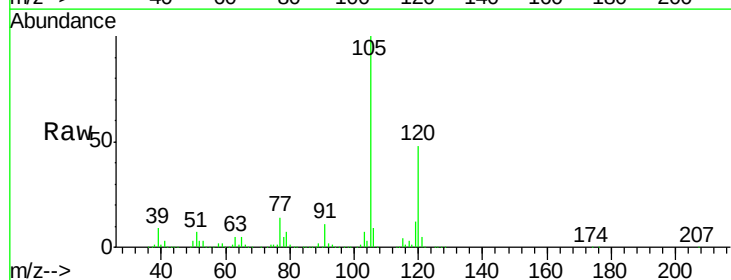
Acq: 16 Sep 2019 9:19

Tgt Ion: 105 Resp: 1183606

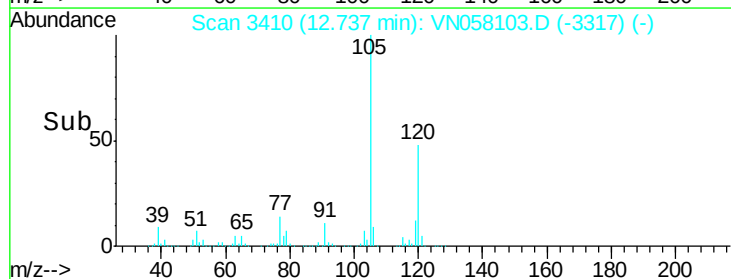
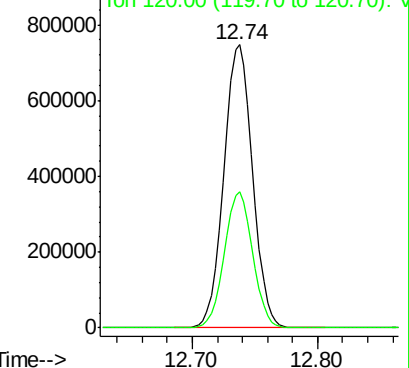
Ion Ratio Lower Upper

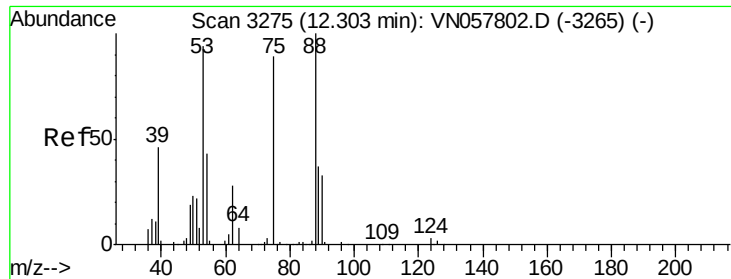
105 100

120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058103.D (-3317) (-)





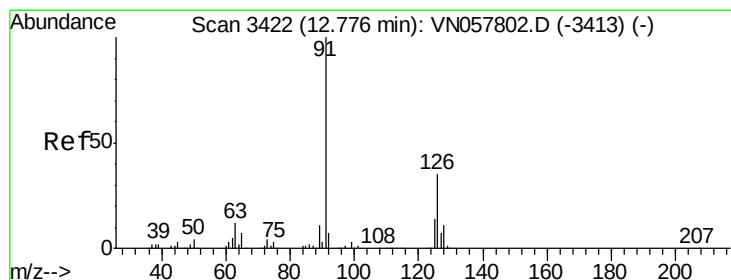
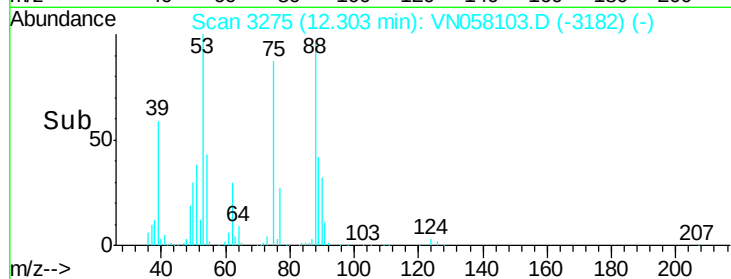
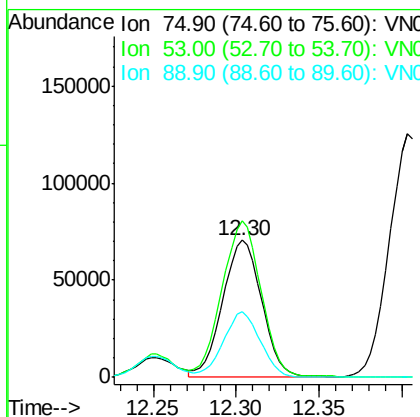
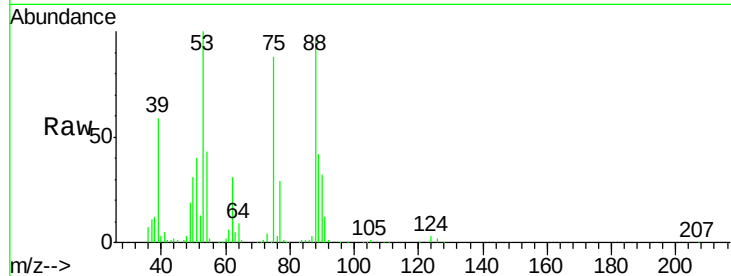
#81
trans-1,4-Dichloro-2-butene
Concen: 56.234 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.6	88.4	132.6
89	45.3	35.3	52.9

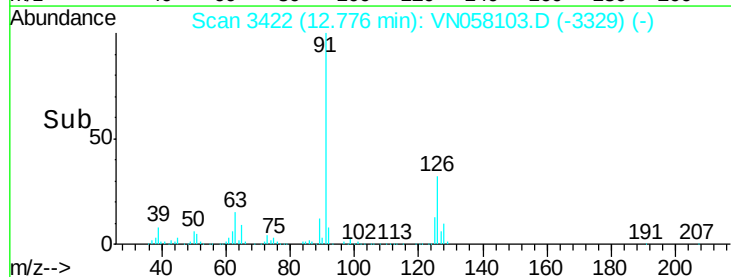
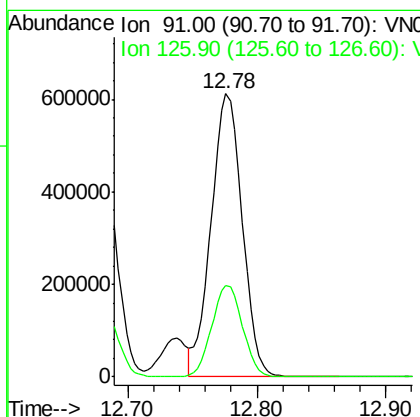
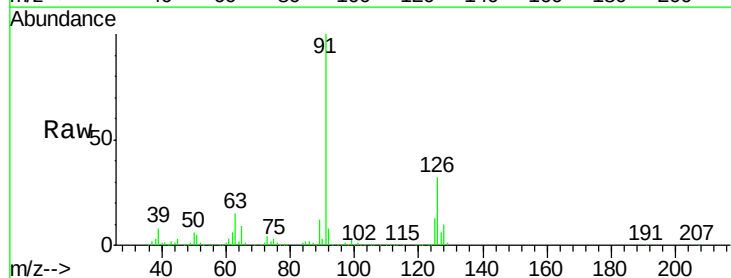
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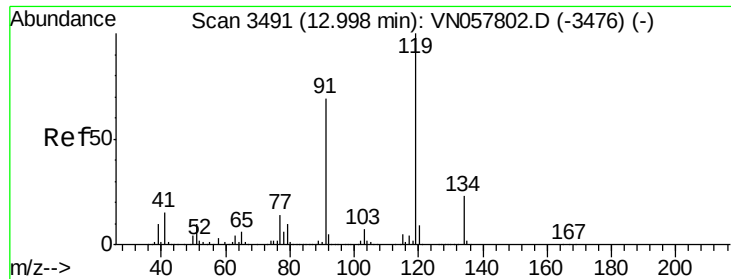
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#82
4-Chlorotoluene
Concen: 55.315 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	48.0





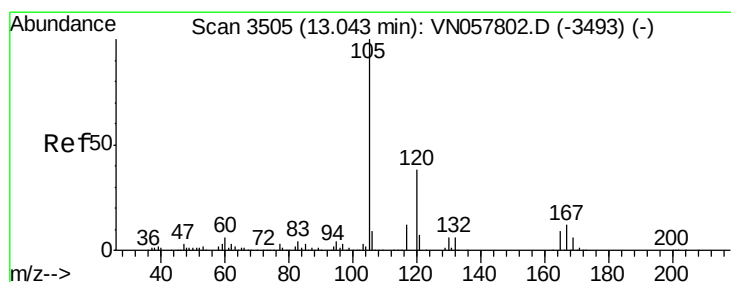
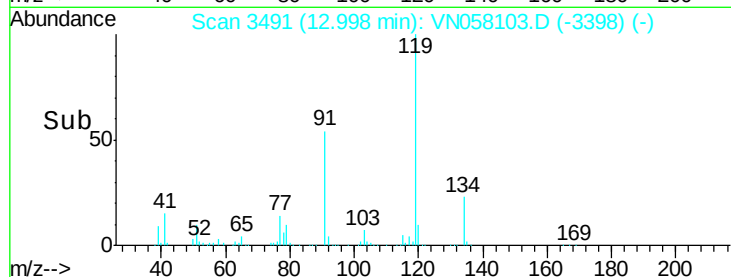
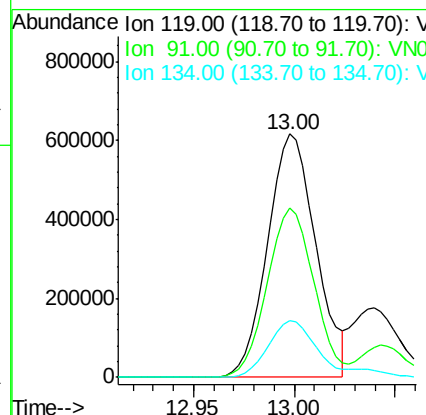
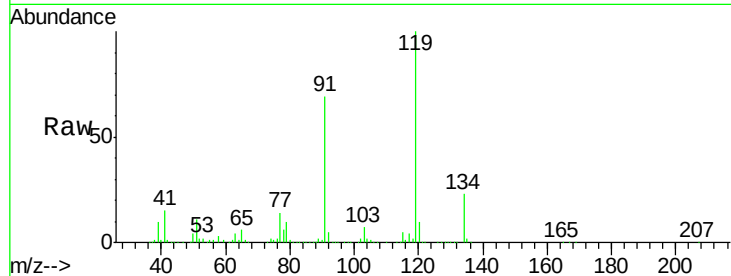
#83
 tert-Butylbenzene
 Concen: 55.049 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1025560
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.6 100.8
 134 23.2 11.7 35.0

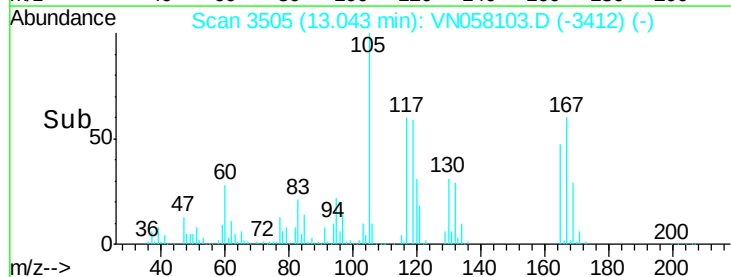
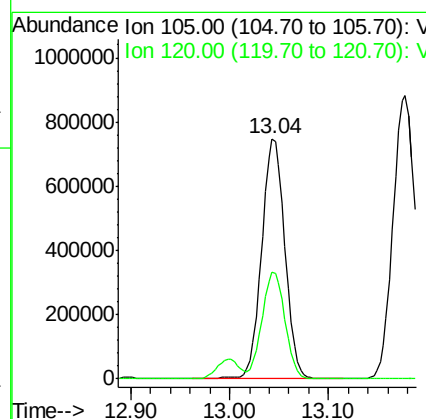
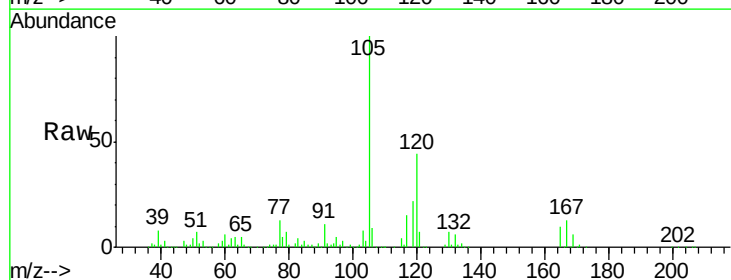
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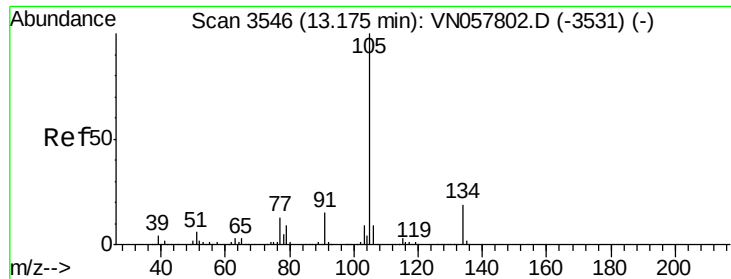
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.766 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion:105 Resp: 1209180
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 56.500 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1395151

Ion Ratio Lower Upper

105 100

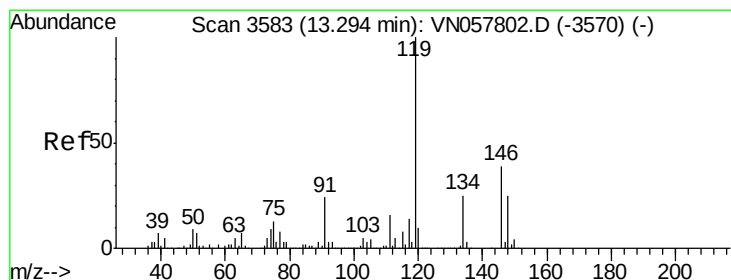
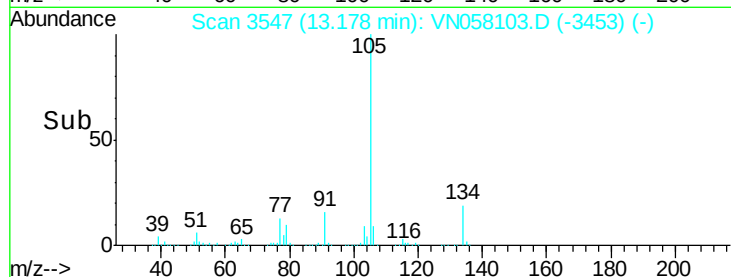
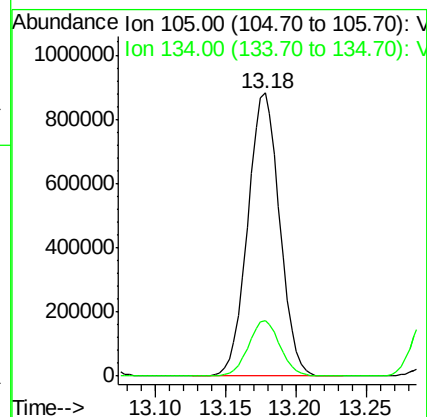
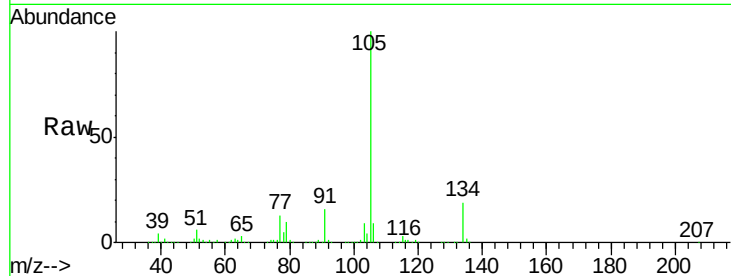
134 19.3 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 58.418 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

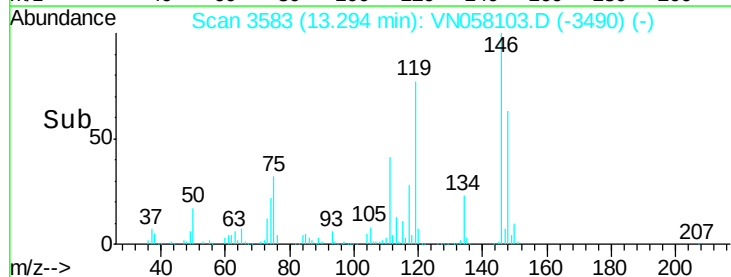
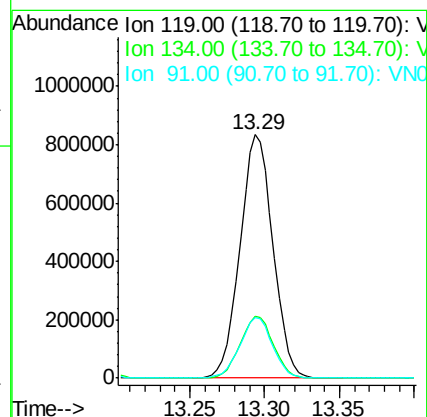
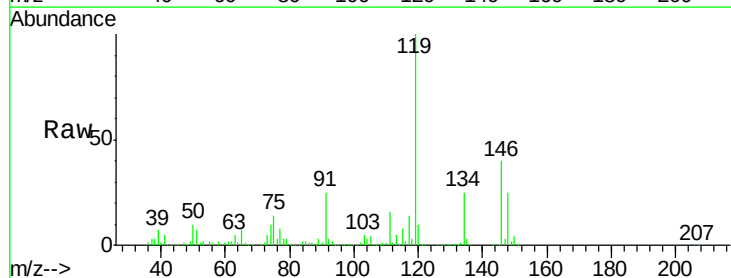
Tgt Ion:119 Resp: 1271001

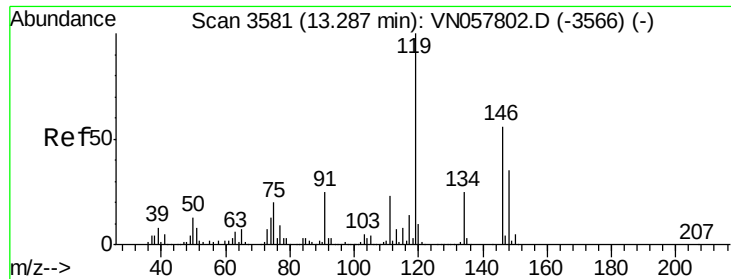
Ion Ratio Lower Upper

119 100

134 25.8 12.5 37.5

91 24.8 12.3 36.8





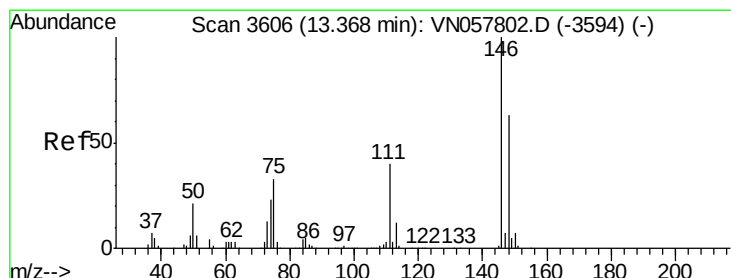
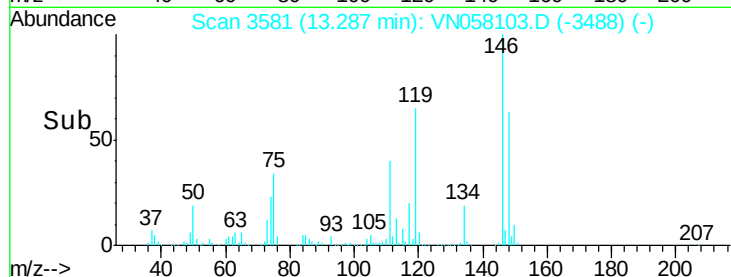
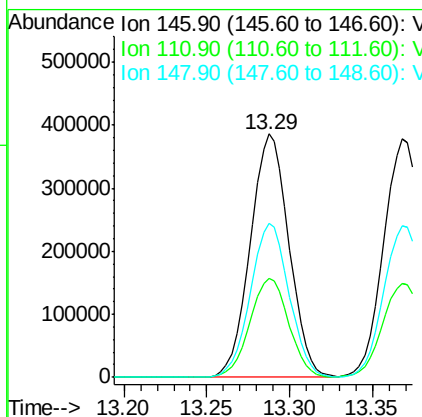
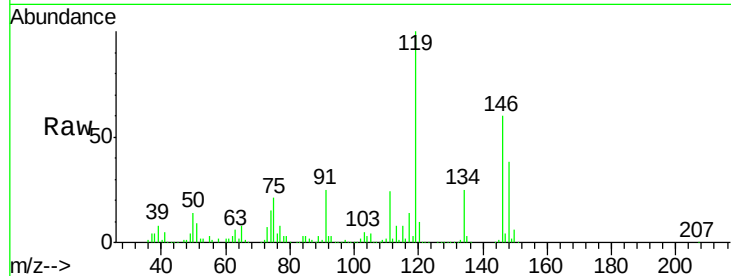
#87
 1,3-Dichlorobenzene
 Concen: 54.969 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	623973		
111	41.0	20.5	61.6	
148	63.5	31.5	94.5	

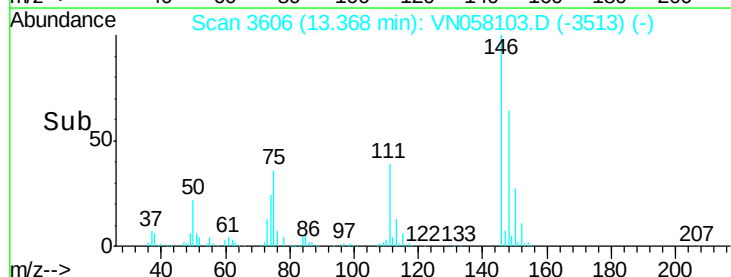
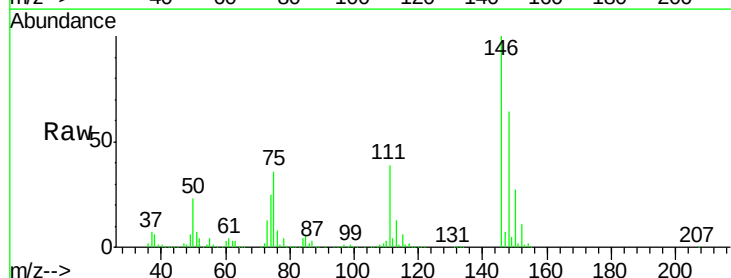
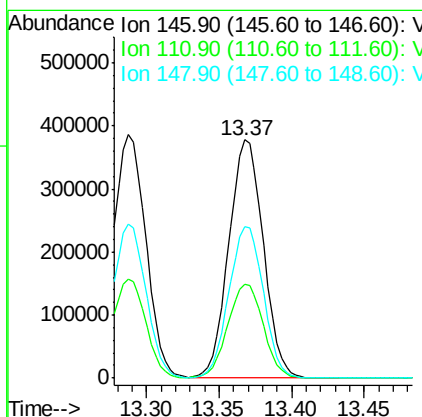
Manual Integrations
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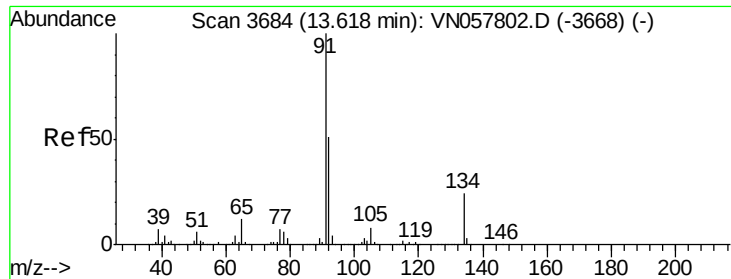
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#88
 1,4-Dichlorobenzene
 Concen: 54.138 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	623786		
111	40.4	20.4	61.2	
148	63.6	31.8	95.4	





#89

n-Butylbenzene

Concen: 58.610 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1204224

Ion Ratio Lower Upper

91 100

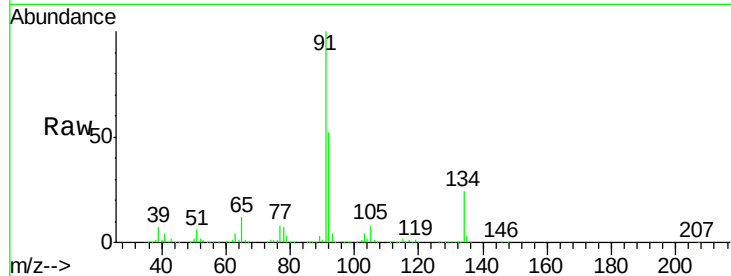
92 51.5 25.7 77.0

134 24.1 11.9 35.7

Manual Integrations
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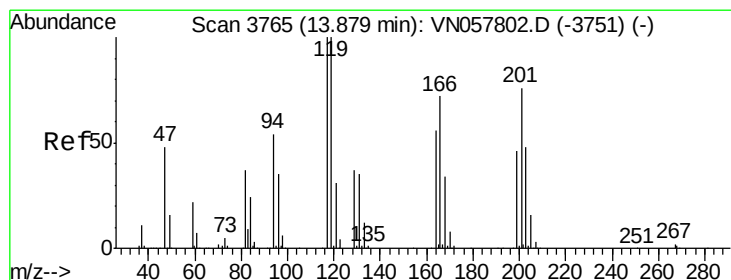
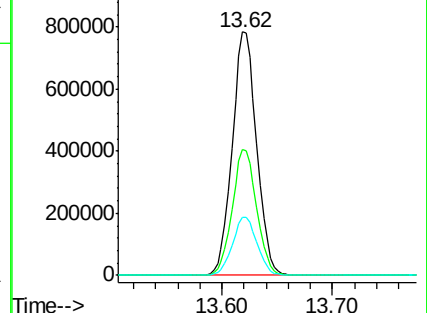
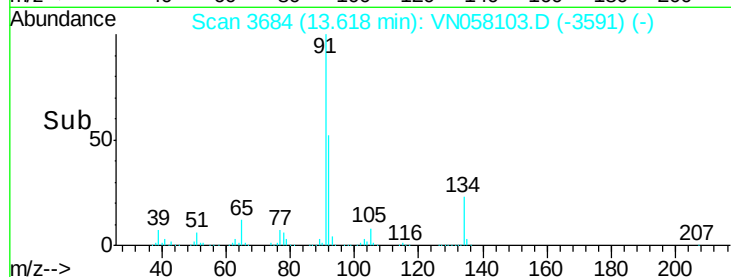
9/18/2019 2:57:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VN058103.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058103.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058103.D (-3591) (-)



#90

Hexachloroethane

Concen: 59.761 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058103.D

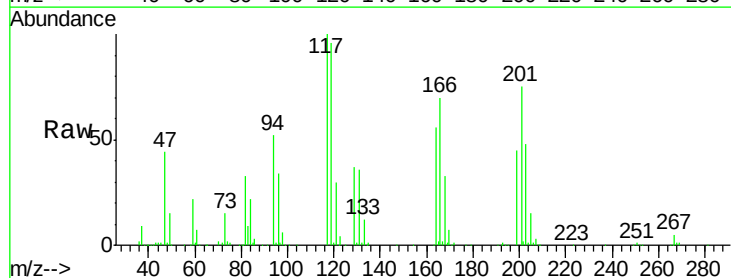
Acq: 16 Sep 2019 9:19

Tgt Ion: 117 Resp: 193369

Ion Ratio Lower Upper

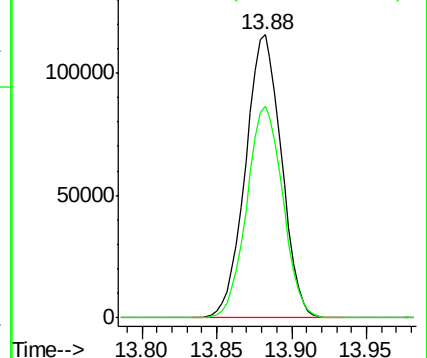
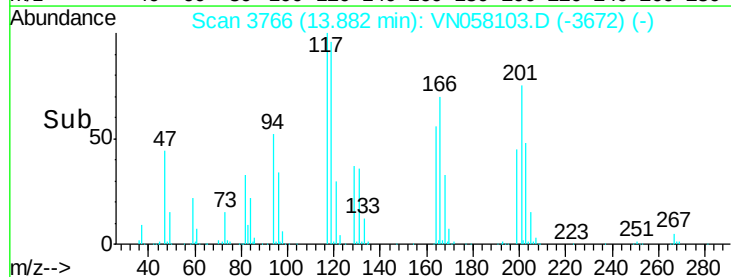
117 100

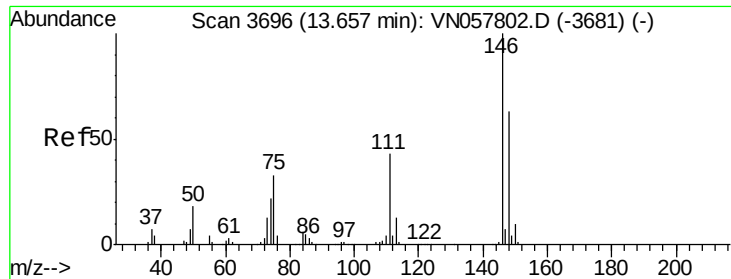
201 74.9 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN058103.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058103.D (-3672) (-)





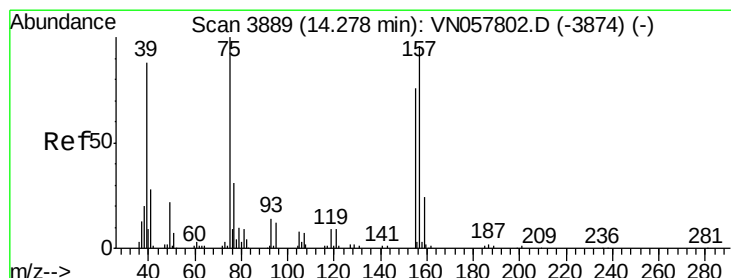
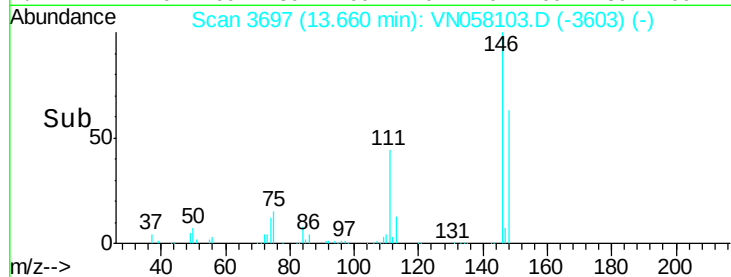
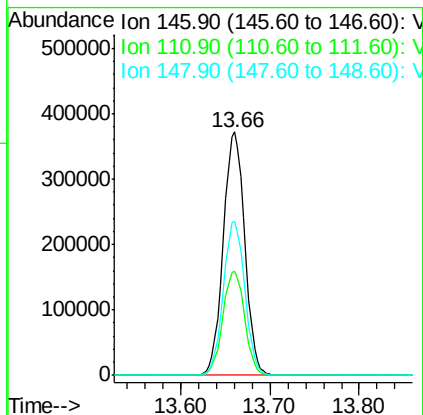
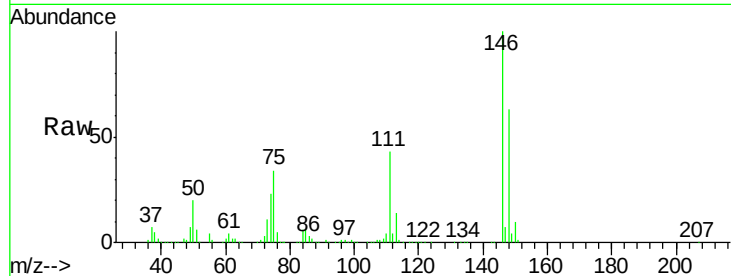
#91
 1,2-Dichlorobenzene
 Concen: 54.628 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.9
148	63.5	31.4	94.3

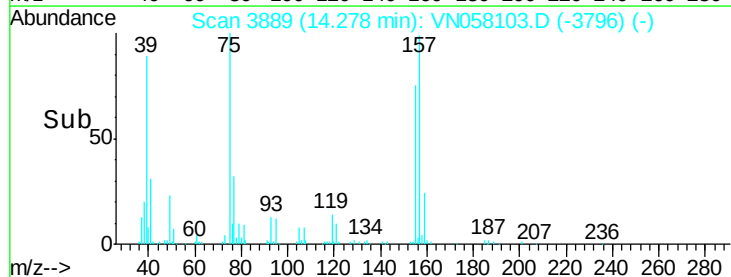
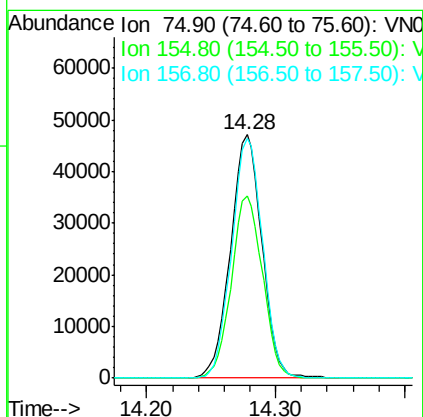
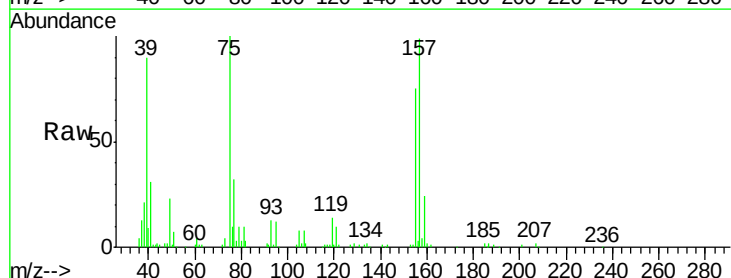
Manual Integrations
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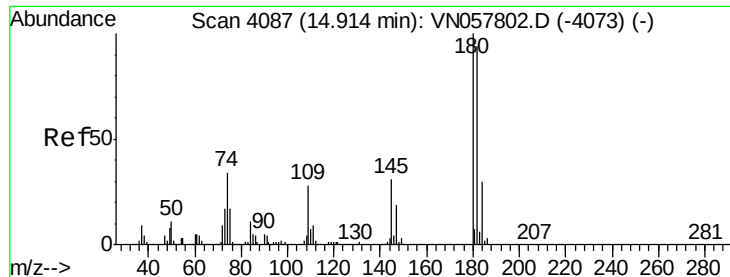
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.836 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	37.3	111.8
157	96.9	47.9	143.8





#93

1,2,4-Trichlorobenzene

Concen: 54.945 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

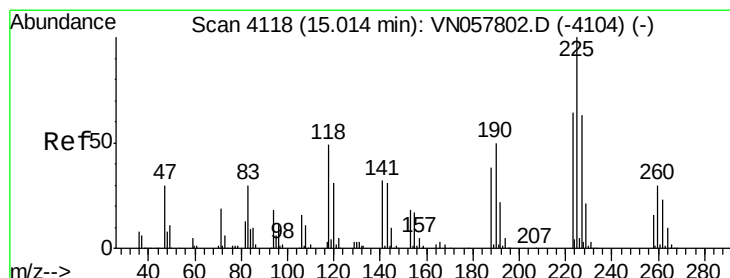
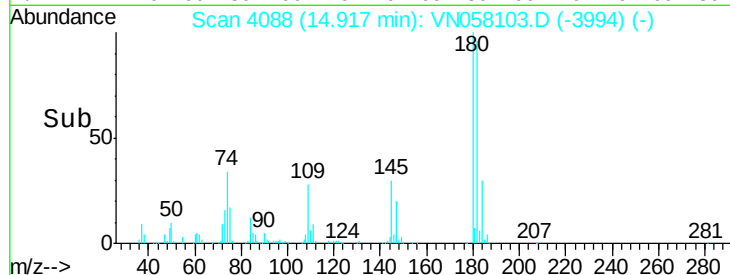
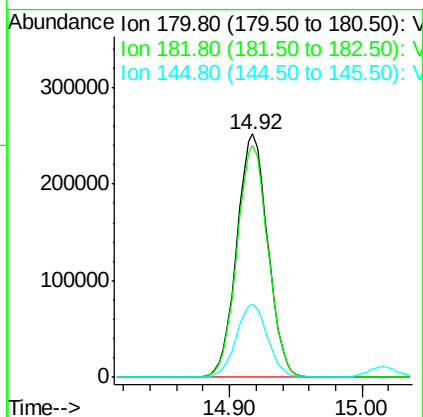
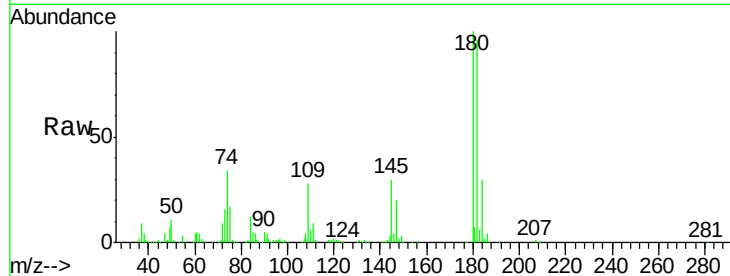
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	407271
Ion Ratio	Lower	Upper	
180	100		
182	95.9	46.9	140.8
145	30.4	14.9	44.7

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 58.133 ug/l

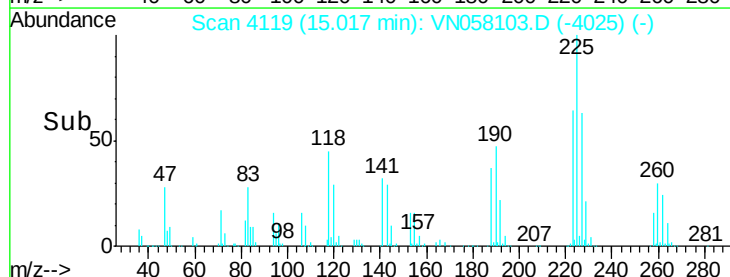
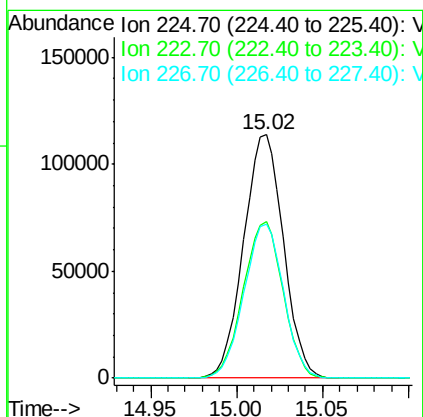
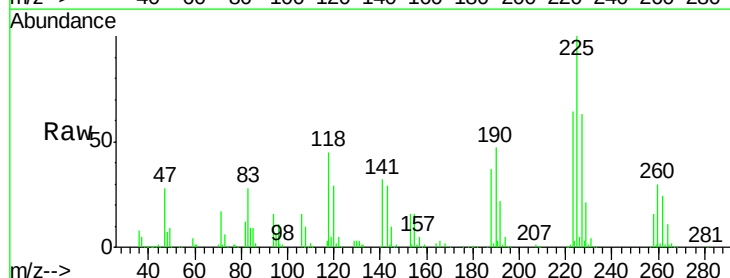
RT: 15.02 min Scan# 4119

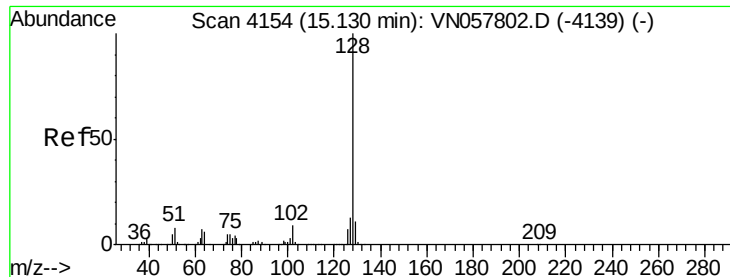
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion:	225	Resp:	182660
Ion Ratio	Lower	Upper	
225	100		
223	64.3	32.4	97.2
227	63.1	31.8	95.4





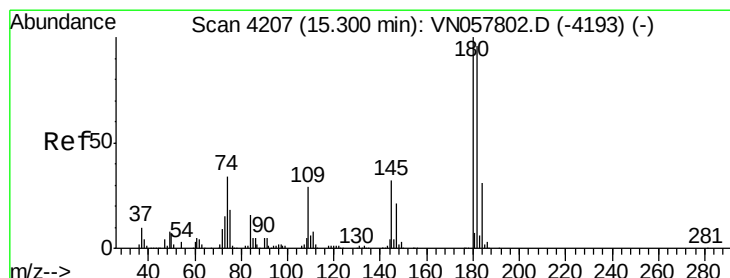
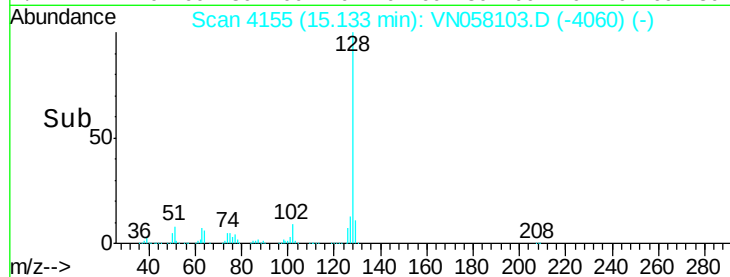
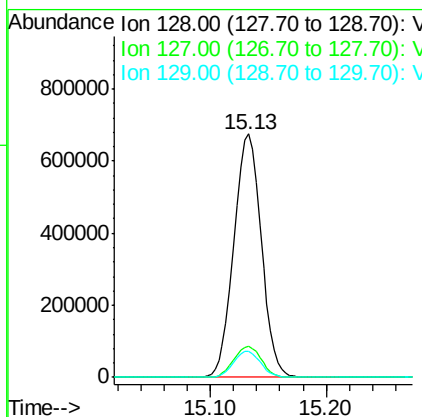
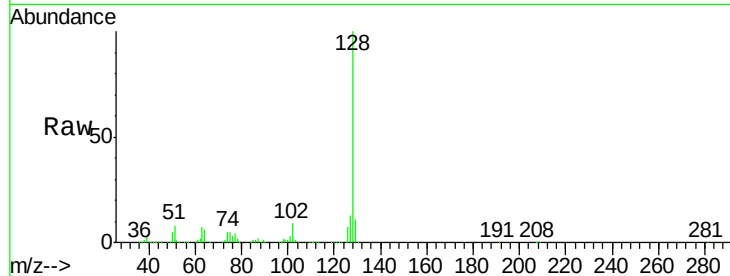
#95
Naphthalene
Concen: 59.298 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2019 2:57:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 58.470 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.8
145	32.4	16.3	48.8

