

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058050.D
 Acq On : 14 Sep 2019 4:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:16 PM

Quant Time: Sep 14 06:45:25 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	319657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	341981	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	7.57	113	248354	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
50) Toluene-d8	10.09	98	976103	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.40	95	357576	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	225712	51.058	ug/l	99
3) Chloromethane	2.04	50	189727	42.109	ug/l	99
4) Vinyl Chloride	2.17	62	200865	42.122	ug/l	98
5) Bromomethane	2.54	94	123637	47.092	ug/l	98
6) Chloroethane	2.68	64	130604	42.981	ug/l	99
7) Trichlorofluoromethane	3.00	101	273159	45.518	ug/l	97
8) Diethyl Ether	3.39	74	126171	50.409	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	194843	51.468	ug/l	99
10) Methyl Iodide	3.93	142	195955	46.515	ug/l	98
11) Tert butyl alcohol	4.76	59	187245	238.952	ug/l	99
12) 1,1-Dichloroethene	3.72	96	163596	48.063	ug/l	95
13) Acrolein	3.59	56	36974	55.616	ug/l	98
14) Allyl chloride	4.30	41	315028	47.293	ug/l	99
15) Acrylonitrile	4.96	53	570752	264.995	ug/l	100
16) Acetone	3.79	43	481893	227.048	ug/l	98
17) Carbon Disulfide	4.03	76	221526	41.842	ug/l	99
18) Methyl Acetate	4.30	43	324919	57.416	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	766663	54.123	ug/l	98
20) Methylene Chloride	4.53	84	218987	54.304	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	178089	48.400	ug/l	96
22) Diisopropyl ether	5.93	45	849618	54.389	ug/l	98
23) Vinyl Acetate	5.87	43	3029375	273.638	ug/l	99
24) 1,1-Dichloroethane	5.83	63	449027	52.595	ug/l	100
25) 2-Butanone	6.82	43	774687	252.185	ug/l	98
26) 2,2-Dichloropropane	6.81	77	259294	38.378	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	256115	51.940	ug/l	97
28) Bromochloromethane	7.18	49	227816	53.413	ug/l	97
29) Tetrahydrofuran	7.19	42	492488	260.174	ug/l	99
30) Chloroform	7.36	83	475013	53.213	ug/l	100
31) Cyclohexane	7.64	56	305002	52.539	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	371189	52.430	ug/l	99
36) 1,1-Dichloropropene	7.78	75	295791	49.164	ug/l	100
37) Ethyl Acetate	6.91	43	316074	50.848	ug/l	99
38) Carbon Tetrachloride	7.76	117	293934	53.511	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	302124	47.769	ug/l	97
40) Benzene	8.03	78	934621	51.598	ug/l	99
41) Methacrylonitrile	7.16	41	143879m	50.990	ug/l	
42) 1,2-Dichloroethane	8.11	62	385950	53.277	ug/l	100
43) Isopropyl Acetate	8.15	43	589467	56.390	ug/l #	89
44) Trichloroethene	8.82	130	230745	51.938	ug/l	98
45) 1,2-Dichloropropane	9.11	63	281344	53.379	ug/l	97
46) Dibromomethane	9.20	93	172085	54.030	ug/l	99
47) Bromodichloromethane	9.40	83	356564	56.063	ug/l	97
48) Methyl methacrylate	9.19	41	277853	52.399	ug/l	99
49) 1,4-Dioxane	9.19	88	85511	953.591	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1732924	280.136	ug/l	100
52) Toluene	10.15	92	592272	51.915	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	354914	52.991	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	394680	53.375	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	263074	54.438	ug/l	99
56) Ethyl methacrylate	10.43	69	389857	53.572	ug/l	100
57) 1,3-Dichloropropane	10.71	76	447331	53.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	832643	242.929	ug/l	99
59) 2-Hexanone	10.75	43	1232975	265.919	ug/l	100
60) Dibromochloromethane	10.90	129	255820	57.008	ug/l	100
61) 1,2-Dibromoethane	11.00	107	243580	53.315	ug/l	99
64) Tetrachloroethene	10.63	164	194823	53.412	ug/l	97
65) Chlorobenzene	11.43	112	671194	51.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245335	54.686	ug/l	99
67) Ethyl Benzene	11.51	91	1210840	53.439	ug/l	100
68) m/p-Xylenes	11.62	106	895623	107.910	ug/l	100
69) o-Xylene	11.95	106	445587	54.003	ug/l	99
70) Styrene	11.97	104	786884	55.414	ug/l	99
71) Bromoform	12.13	173	158366	56.620	ug/l #	100
73) Isopropylbenzene	12.25	105	1252963	52.808	ug/l	100
74) N-amyl acetate	12.07	43	525185	50.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	403351	50.490	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	336701m	48.677	ug/l	
77) Bromobenzene	12.53	156	288337	48.742	ug/l	100
78) n-propylbenzene	12.60	91	1462755	53.688	ug/l	99
79) 2-Chlorotoluene	12.68	91	873802	50.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1082195	53.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	88546	45.048	ug/l	96
82) 4-Chlorotoluene	12.78	91	932994	52.760	ug/l	98
83) tert-Butylbenzene	13.00	119	937082	52.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1095227	53.753	ug/l	99
85) sec-Butylbenzene	13.18	105	1277934	54.105	ug/l	99
86) p-Isopropyltoluene	13.29	119	1153821	55.442	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	567305	52.247	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	571084	51.815	ug/l	99
89) n-Butylbenzene	13.62	91	1061099	53.991	ug/l	100
90) Hexachloroethane	13.88	117	166921	53.931	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	565115	52.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71731	54.371	ug/l	99

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ALS Vial : 51 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDCCC050

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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)
93) 1,2,4-Trichlorobenzene	14.92	180	355018	50.072	ug/l	99
94) Hexachlorobutadiene	15.02	225	160663	53.455	ug/l	98
95) Naphthalene	15.13	128	970851	54.376	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	337540	54.441	ug/l	99

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

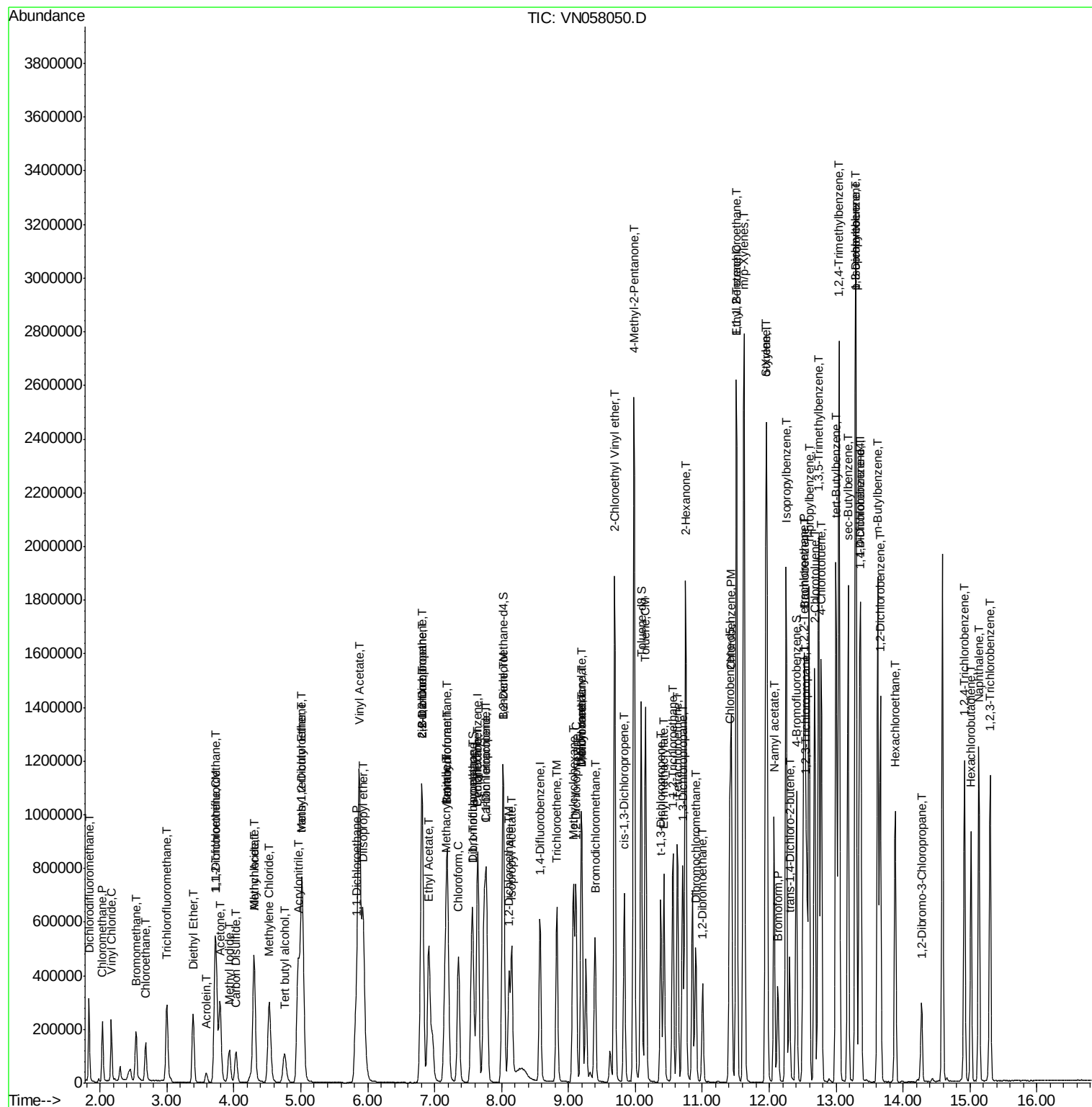
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058050.D
 Acq On : 14 Sep 2019 4:11
 Operator : JC/SP
 Sample : VSTDC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

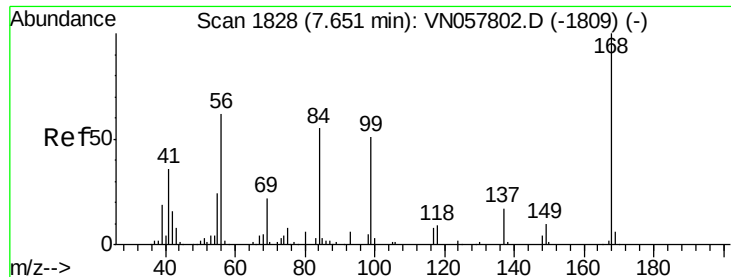
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 319657

Ion Ratio Lower Upper

168 100

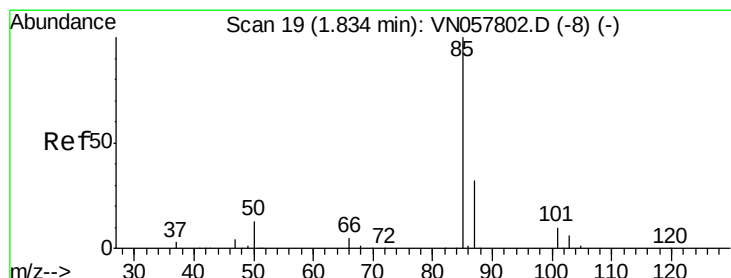
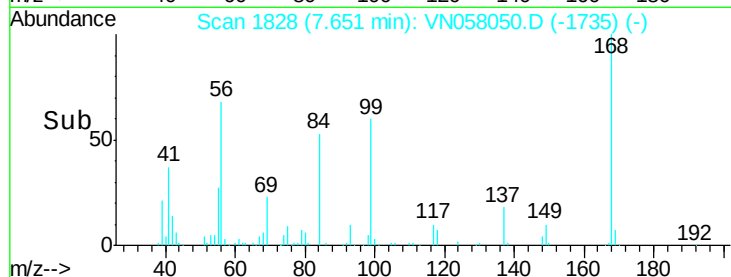
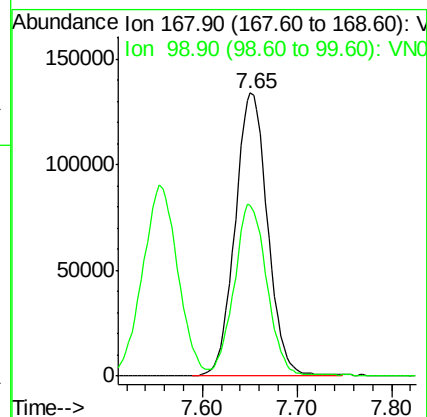
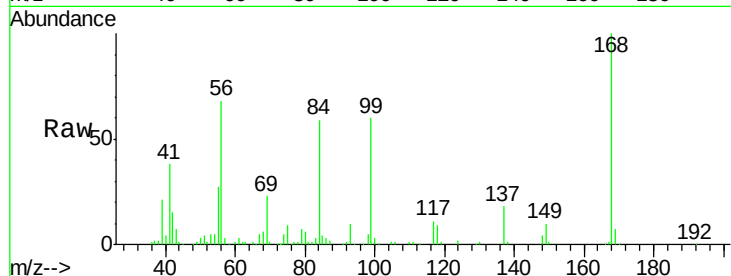
99 59.7 48.0 72.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.058 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058050.D

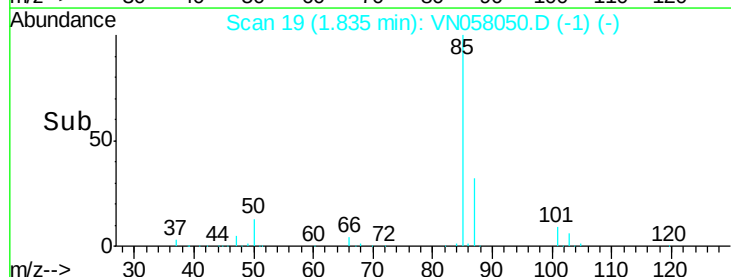
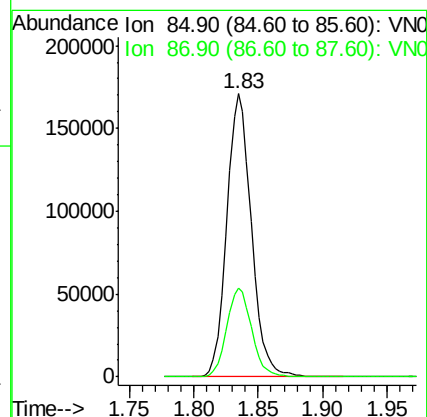
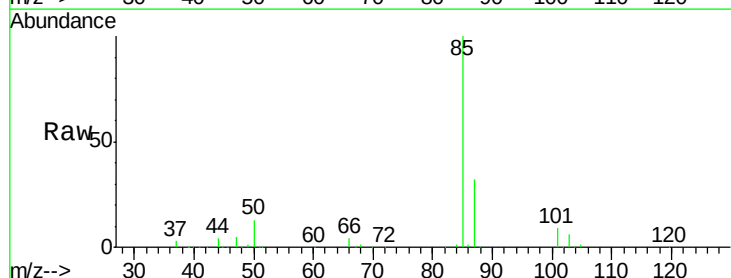
Acq: 14 Sep 2019 4:11

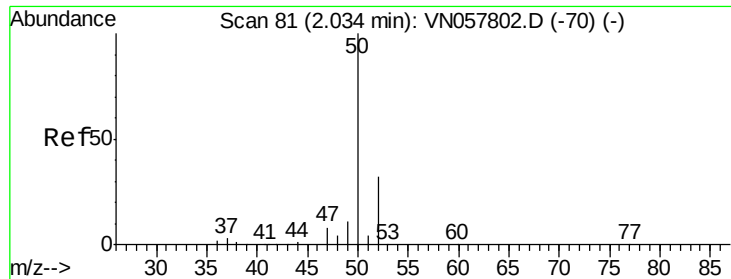
Tgt Ion: 85 Resp: 225712

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9





#3

Chloromethane

Concen: 42.109 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 189727

Ion Ratio Lower Upper

50 100

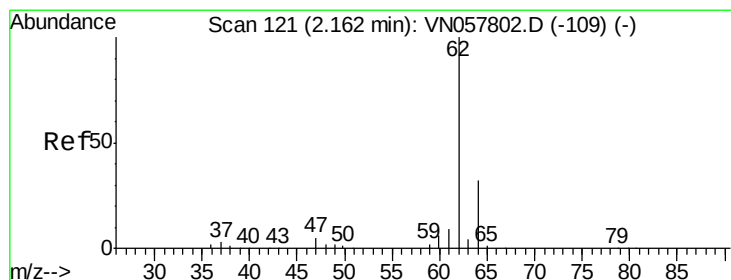
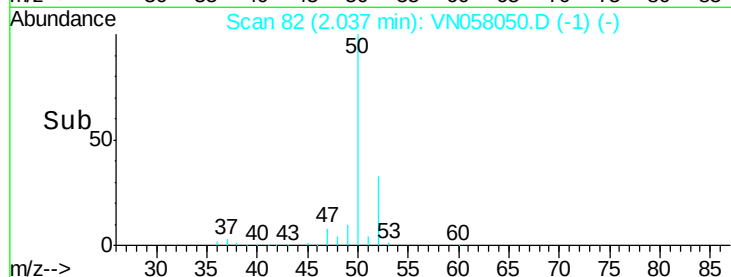
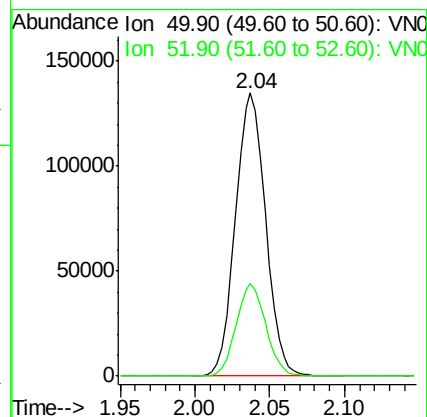
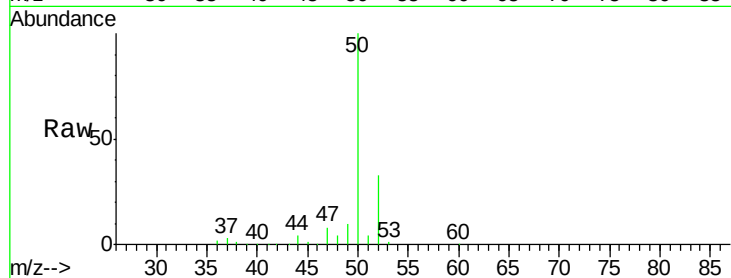
52 32.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.122 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058050.D

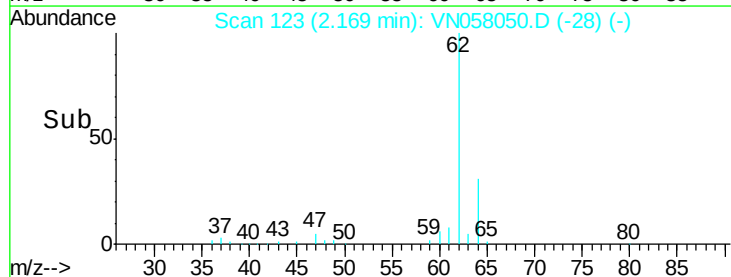
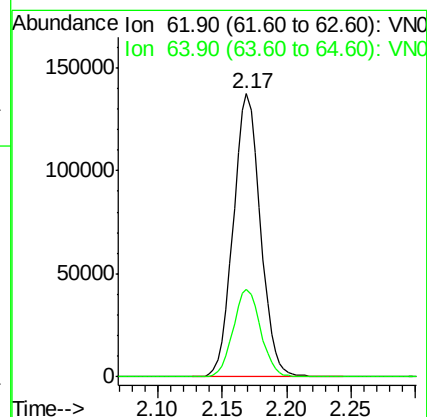
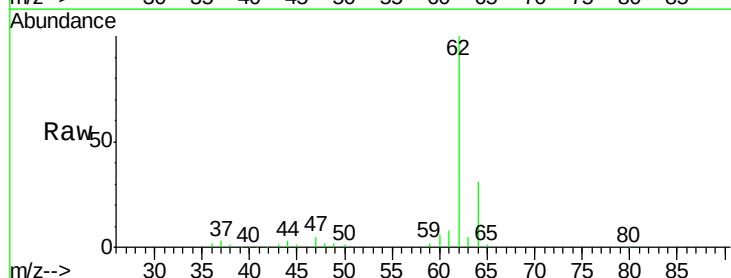
Acq: 14 Sep 2019 4:11

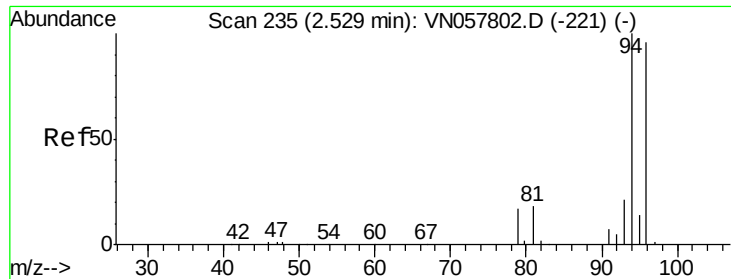
Tgt Ion: 62 Resp: 200865

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





#5

Bromomethane

Concen: 47.092 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 123637

Ion Ratio Lower Upper

94 100

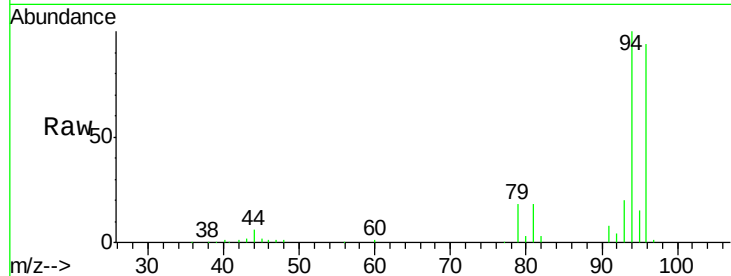
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Manual Integrations

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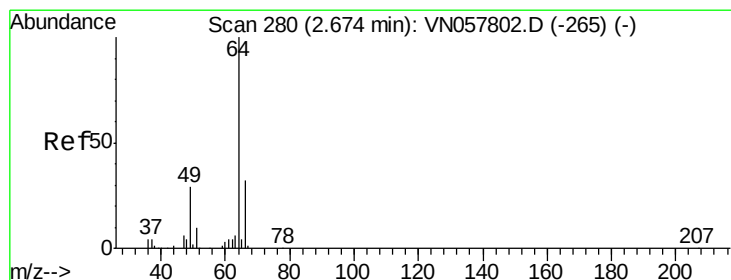
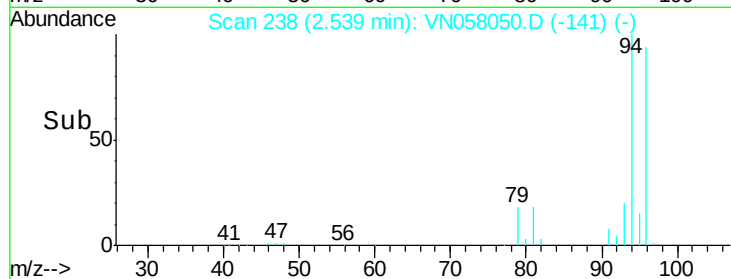
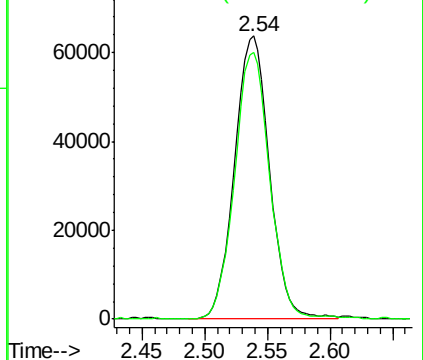
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.981 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058050.D

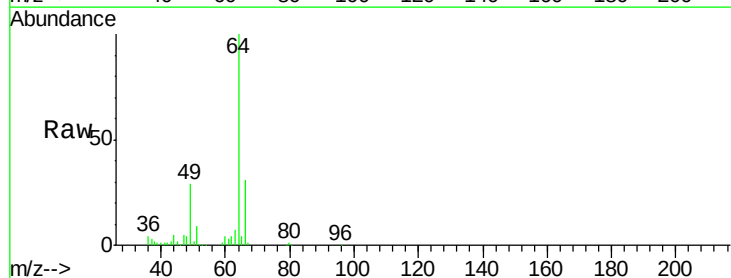
Acq: 14 Sep 2019 4:11

Tgt Ion: 64 Resp: 130604

Ion Ratio Lower Upper

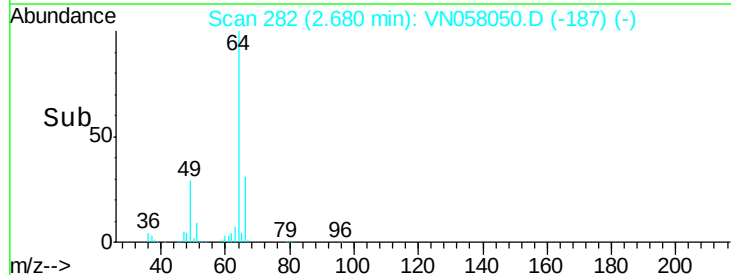
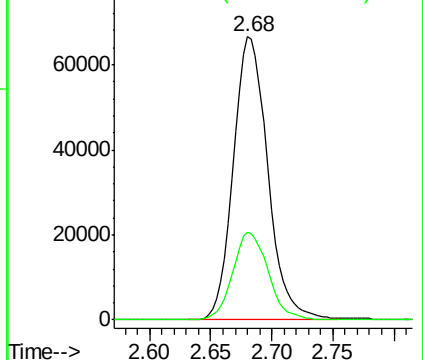
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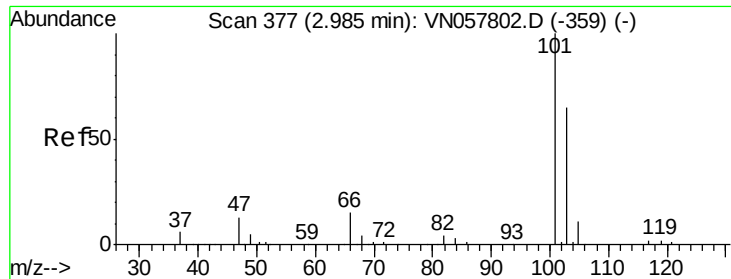
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

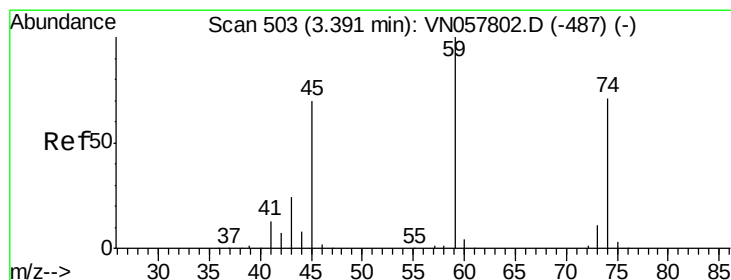
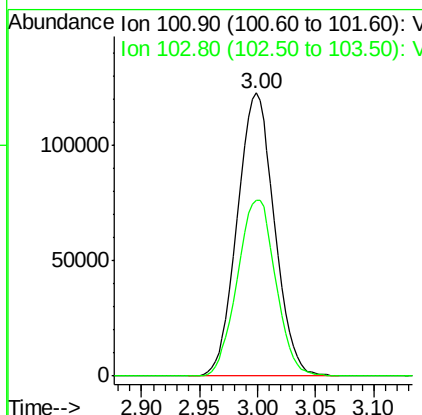
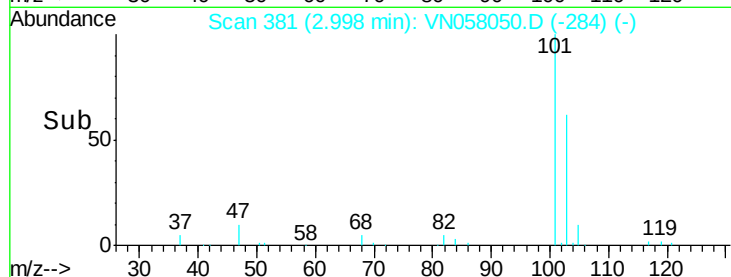
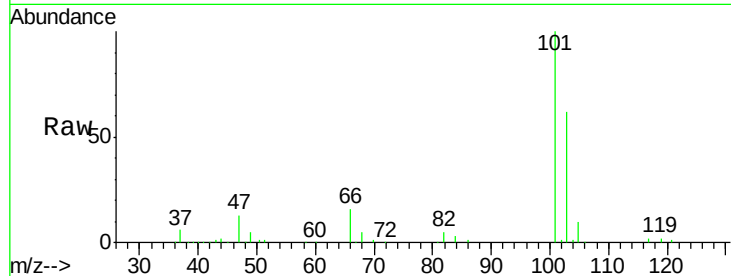
Trichlorofluoromethane
Concen: 45.518 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.9	77.9

Manual Integrations
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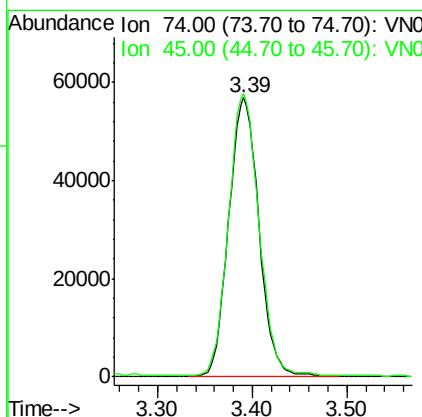
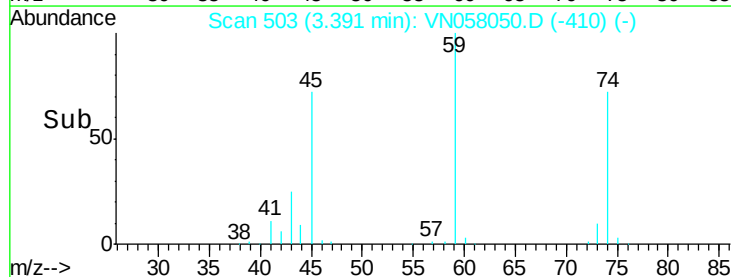
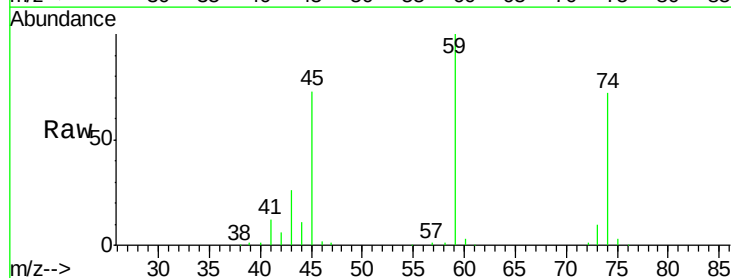
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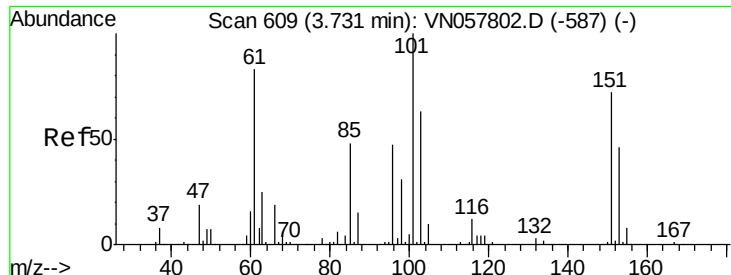


#8

Diethyl Ether
Concen: 50.409 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	50.3	151.0





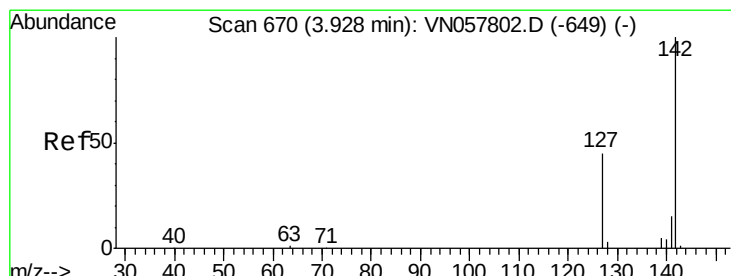
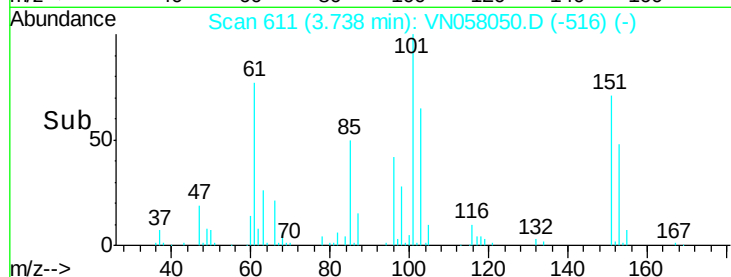
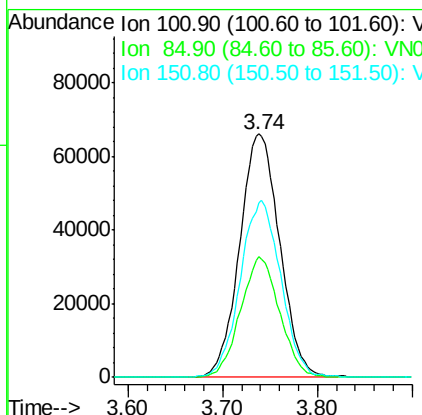
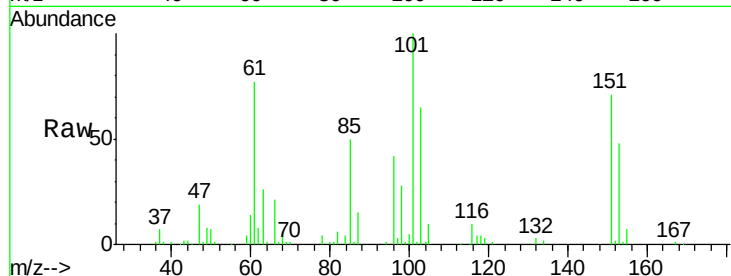
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.468 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	194843		
85	48.3	38.1	57.1	
151	73.6	58.4	87.6	

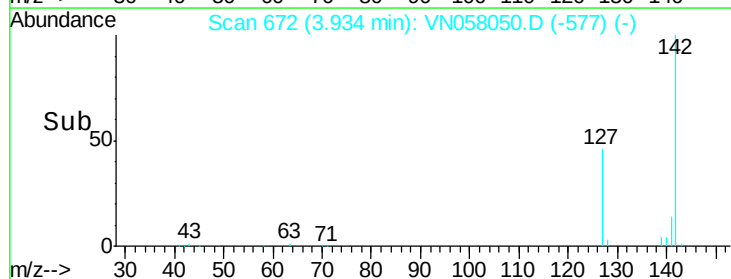
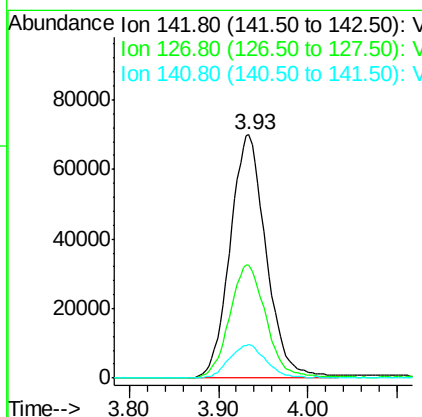
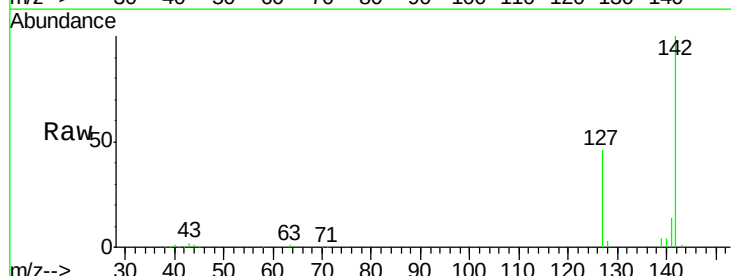
Manual Integrations
 APPROVED

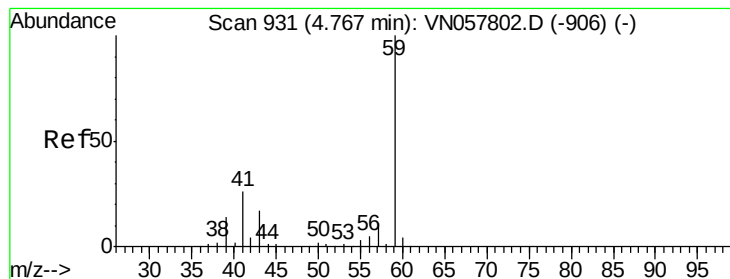
MMDadoda
 9/16/2019 2:11:16 PM



#10
 Methyl Iodide
 Concen: 46.515 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	195955		
127	47.3	36.7	55.1	
141	13.9	11.4	17.0	





#11

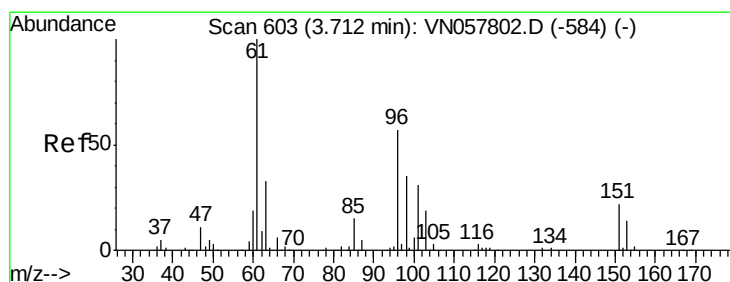
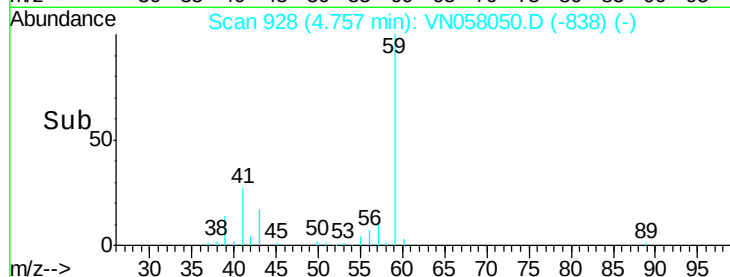
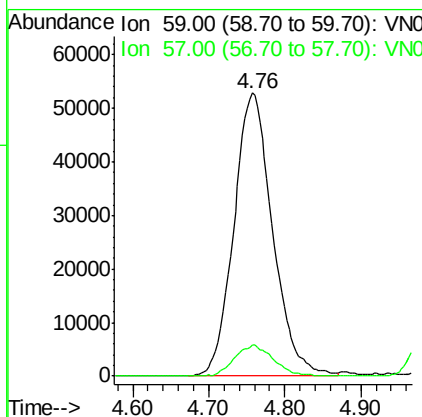
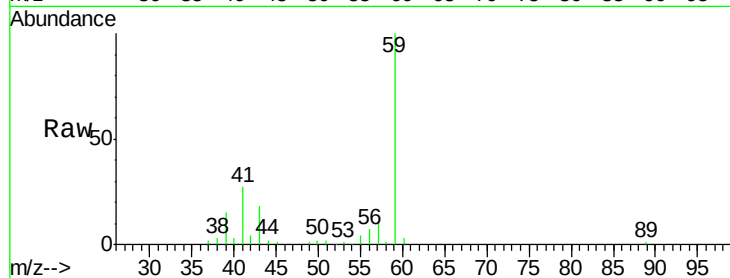
Tert butyl alcohol
Concen: 238.952 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	187245		
57	11.0		8.4	12.6

Manual Integrations
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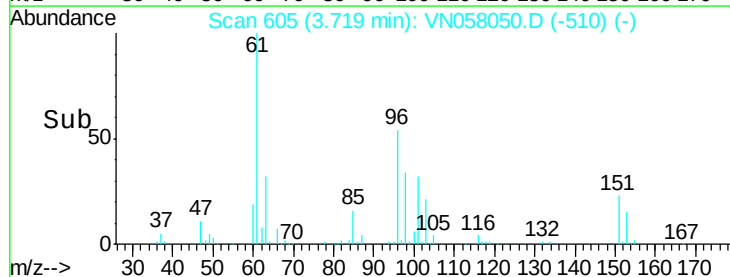
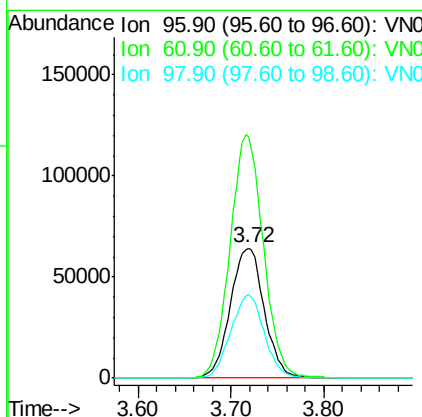
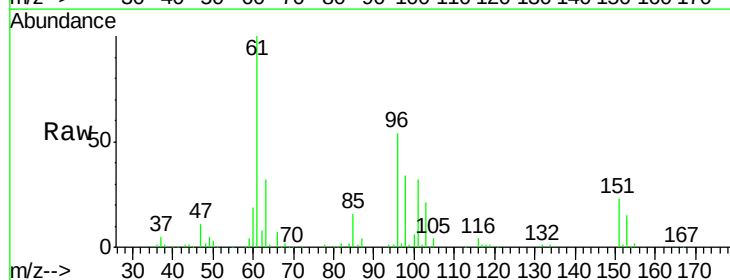
MMDadoda
9/16/2019 2:11:16 PM

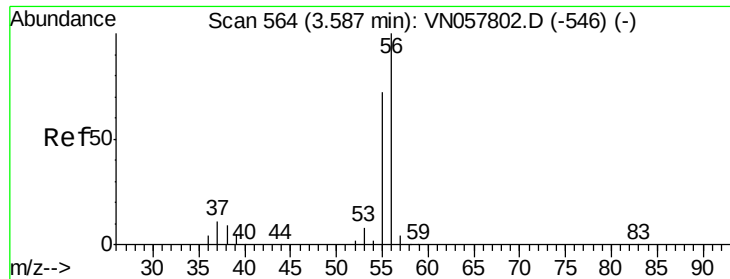


#12

1,1-Dichloroethene
Concen: 48.063 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	163596		
61	185.4		141.2	211.8
98	63.9		49.9	74.9





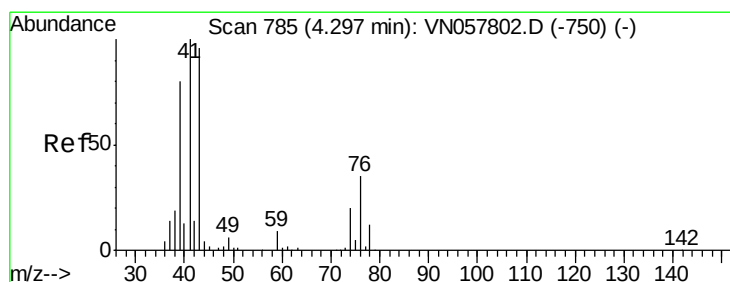
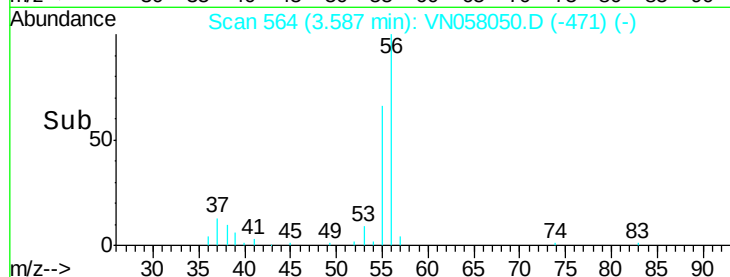
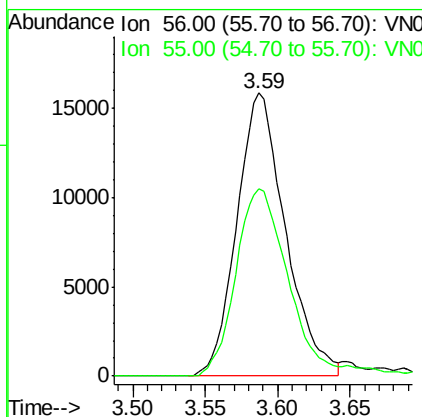
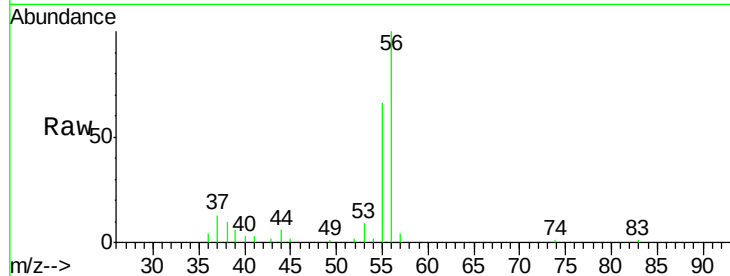
#13
Acrolein
Concen: 55.616 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.3	85.9

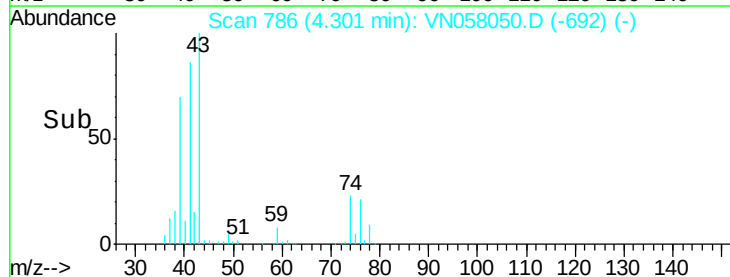
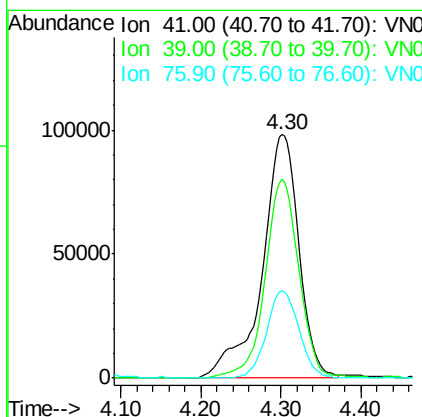
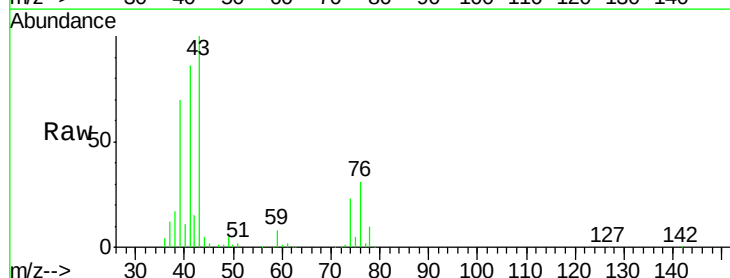
Manual Integrations
APPROVED

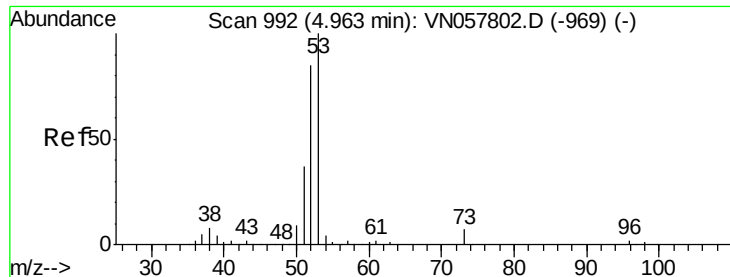
MMDadoda
9/16/2019 2:11:16 PM



#14
Allyl chloride
Concen: 47.293 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.8	59.4	89.2
76	31.6	26.0	39.0





#15

Acrylonitrile

Concen: 264.995 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

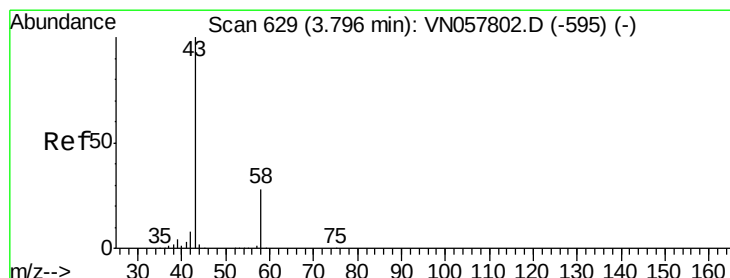
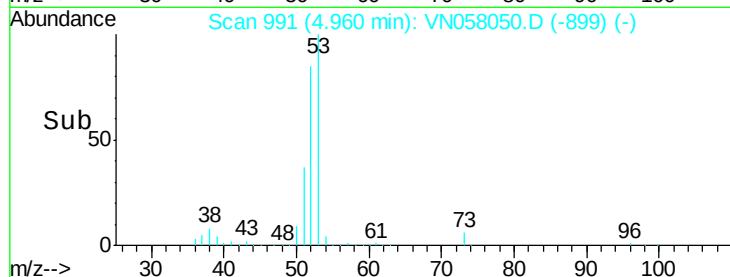
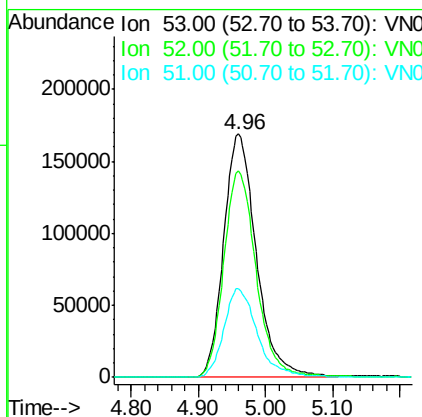
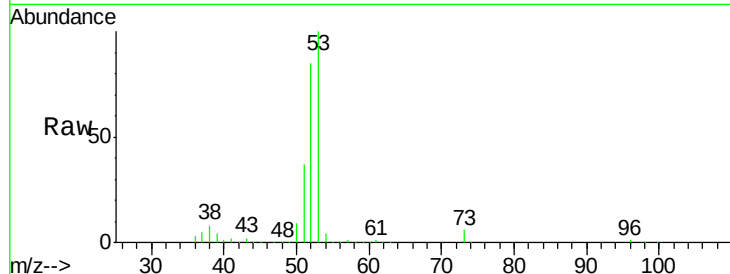
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	570752
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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9/16/2019 2:11:16 PM



#16

Acetone

Concen: 227.048 ug/l

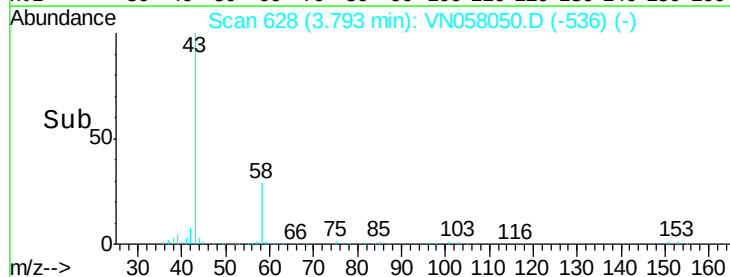
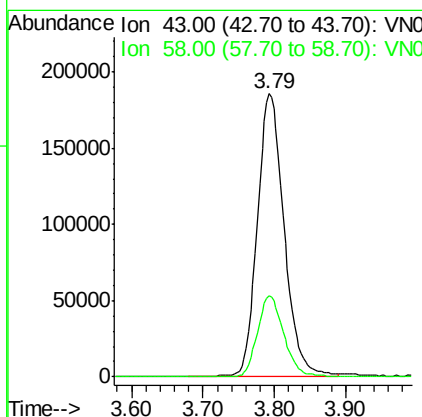
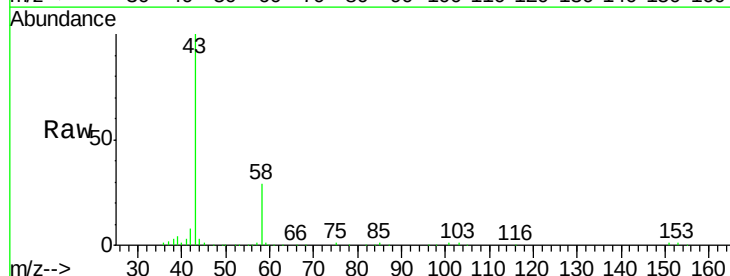
RT: 3.79 min Scan# 628

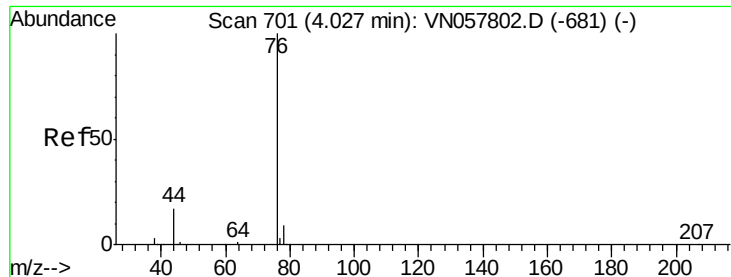
Delta R.T. -0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Tgt Ion:	43	Resp:	481893
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.2	33.2





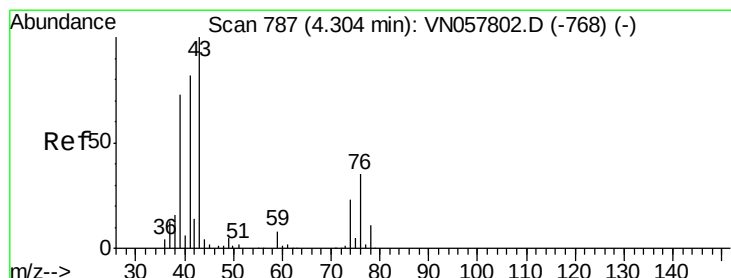
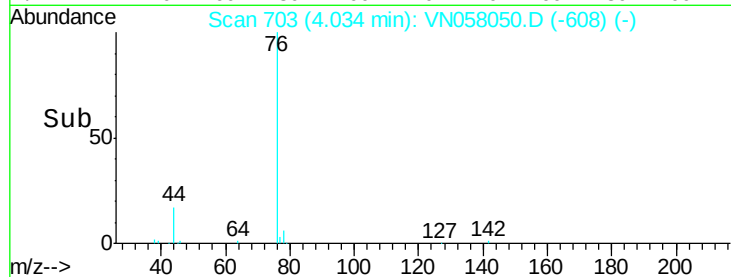
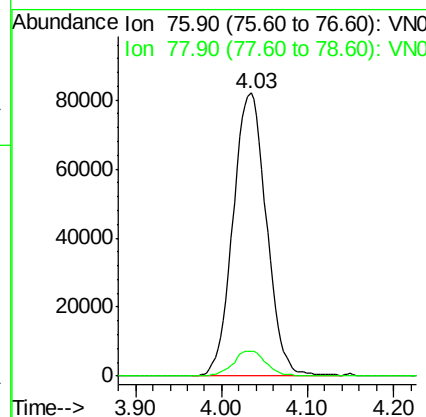
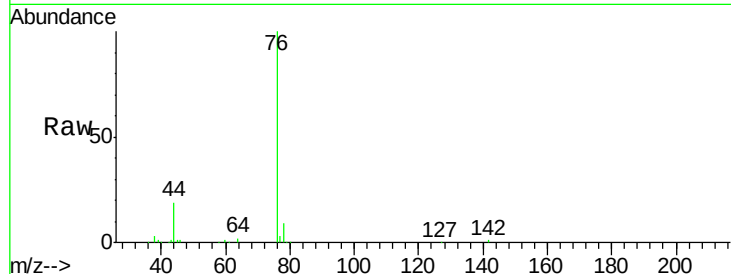
#17
Carbon Disulfide
Concen: 41.842 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

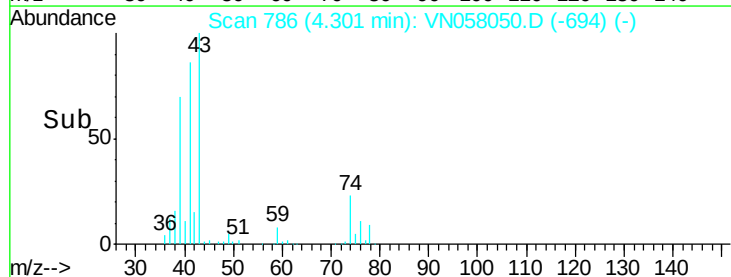
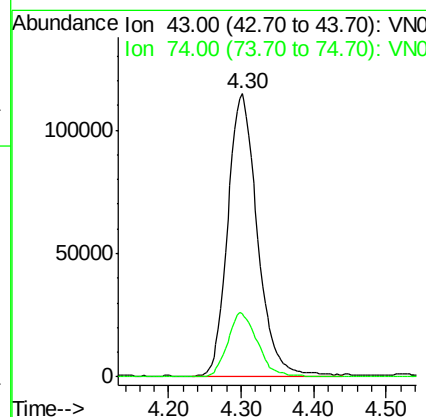
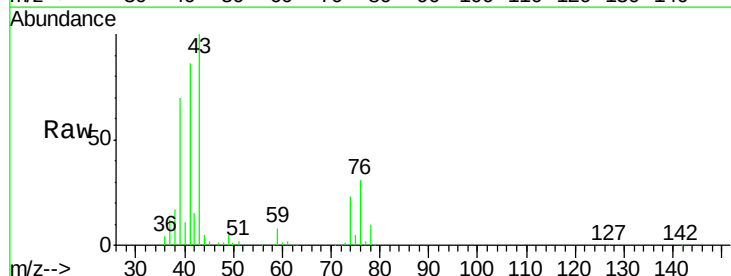
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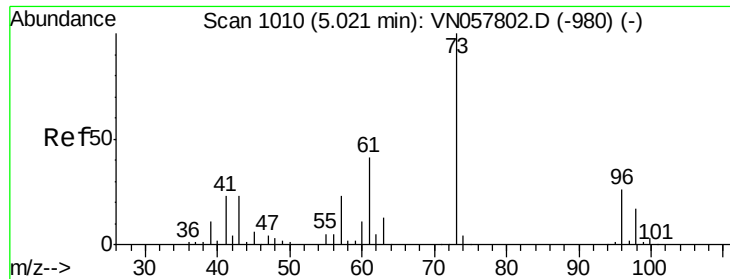
MMDadoda
9/16/2019 2:11:16 PM



#18
Methyl Acetate
Concen: 57.416 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.9	26.9





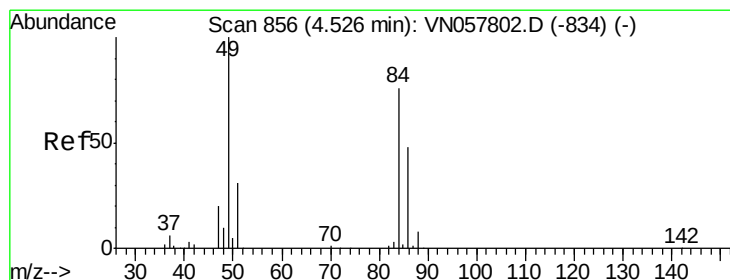
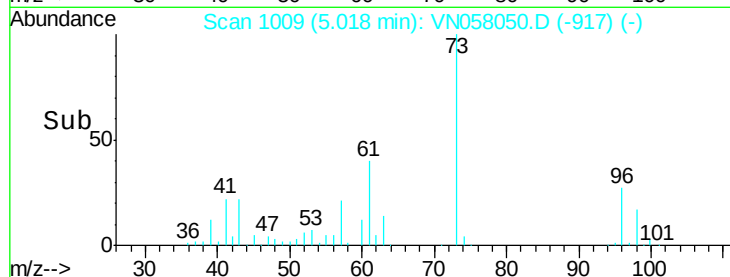
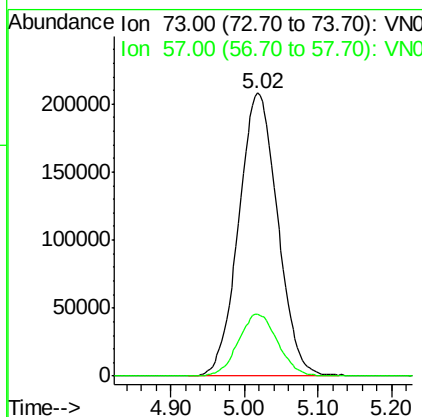
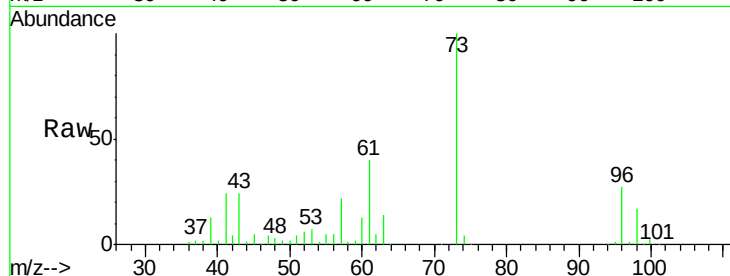
#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 766663
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.2

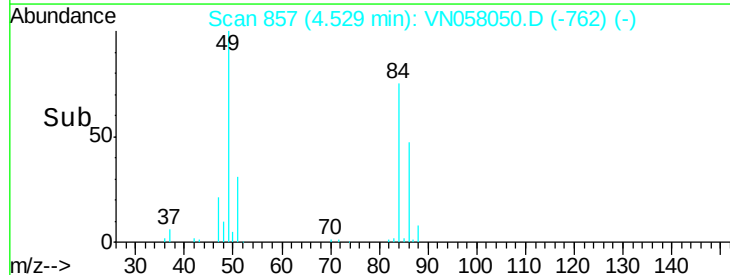
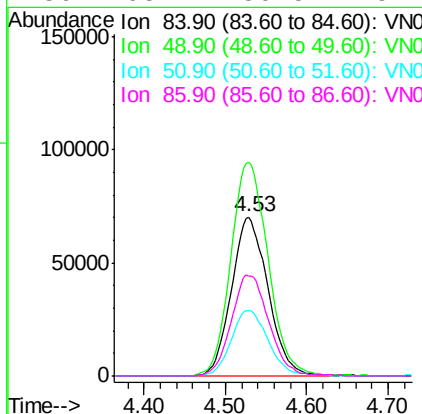
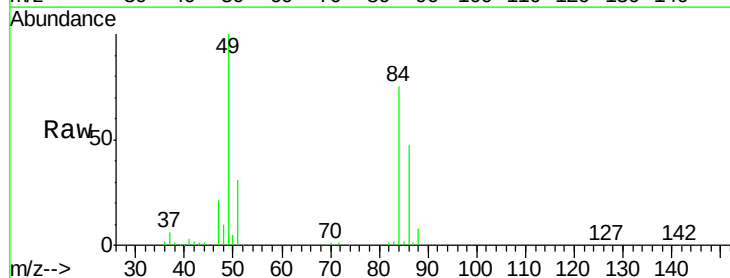
Manual Integrations
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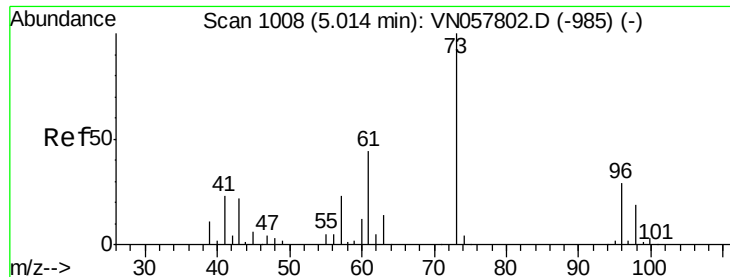
MMDadoda
9/16/2019 2:11:16 PM



#20
Methylene Chloride
Concen: 54.304 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion: 84 Resp: 218987
Ion Ratio Lower Upper
84 100
49 134.0 104.8 157.2
51 41.1 33.0 49.4
86 63.1 50.5 75.7





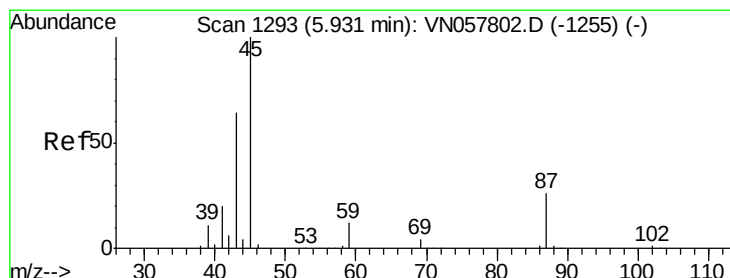
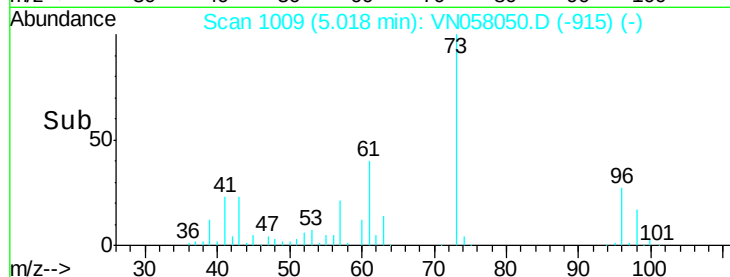
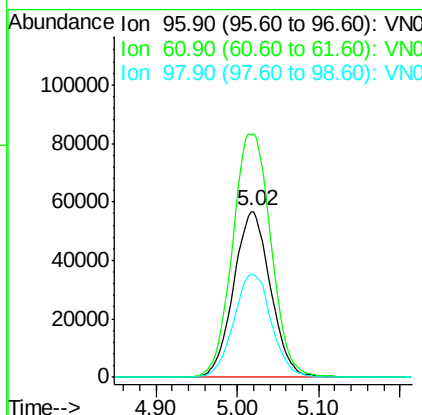
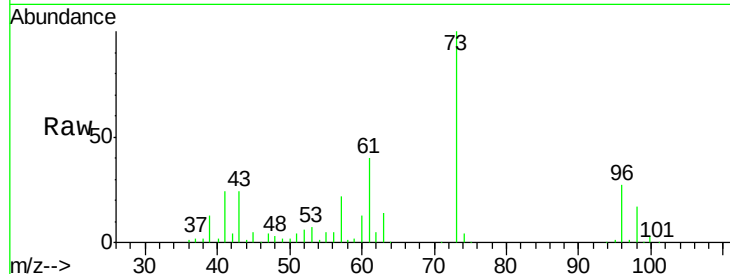
#21
trans-1,2-Dichloroethene
Concen: 48.400 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	121.9	182.9
98	62.3	52.2	78.4

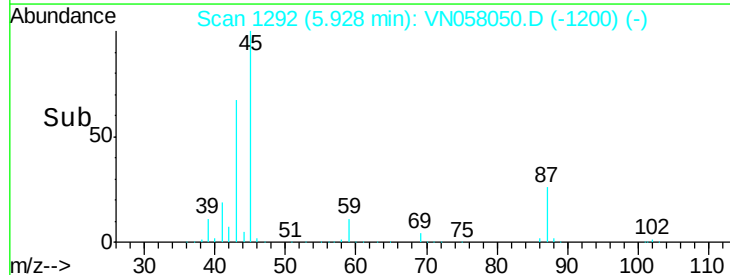
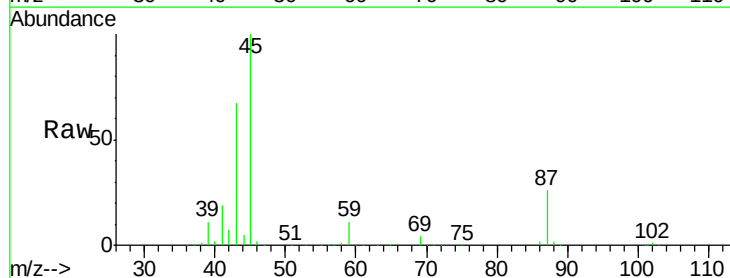
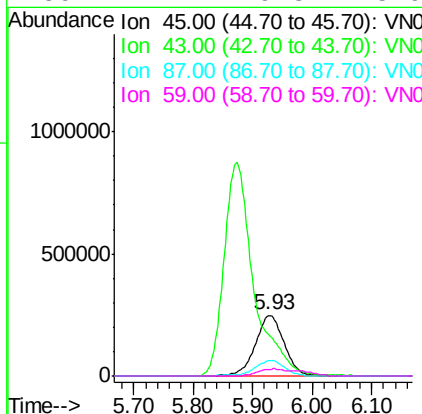
Manual Integrations
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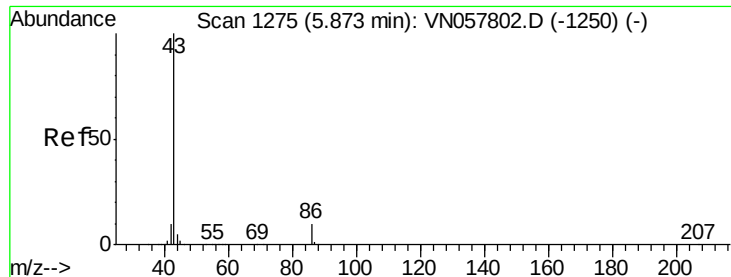
MMDadoda
9/16/2019 2:11:16 PM



#22
Diisopropyl ether
Concen: 54.389 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.4	51.4	77.2
87	25.8	21.3	31.9
59	11.2	9.3	13.9





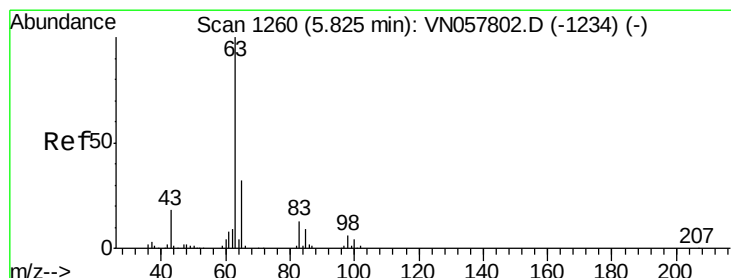
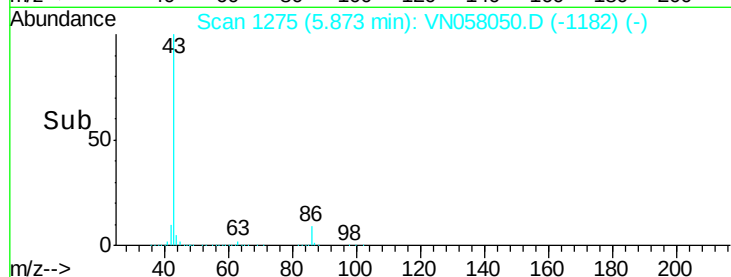
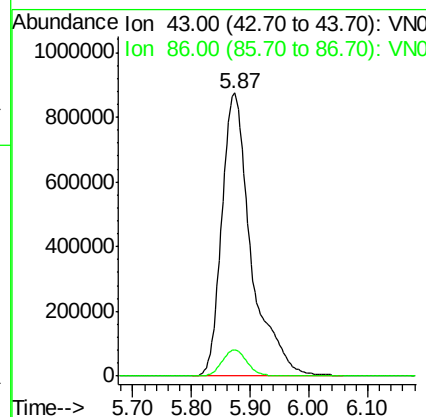
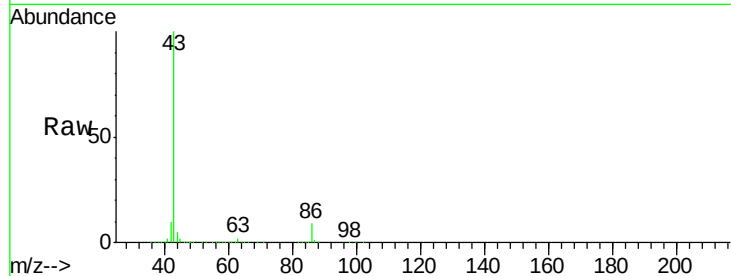
#23
 Vinyl Acetate
 Concen: 273.638 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3029375
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

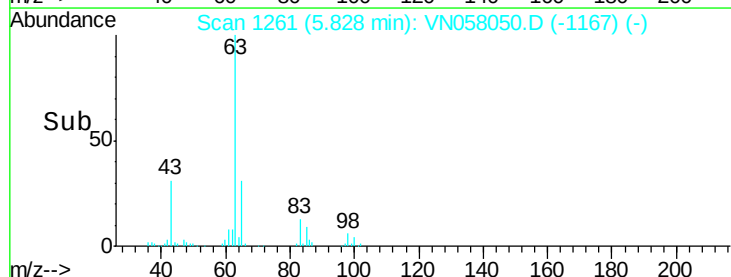
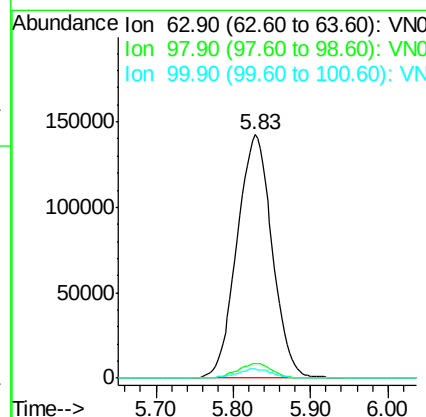
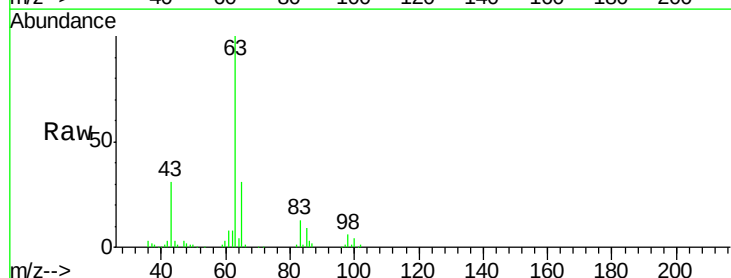
Manual Integrations
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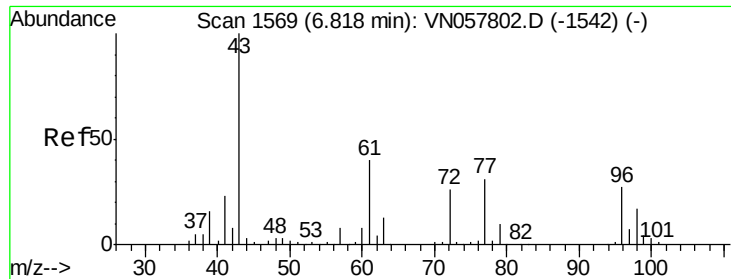
MMDadoda
 9/16/2019 2:11:16 PM



#24
 1,1-Dichloroethane
 Concen: 52.595 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion: 63 Resp: 449027
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 252.185 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 774687

Ion Ratio Lower Upper

43 100

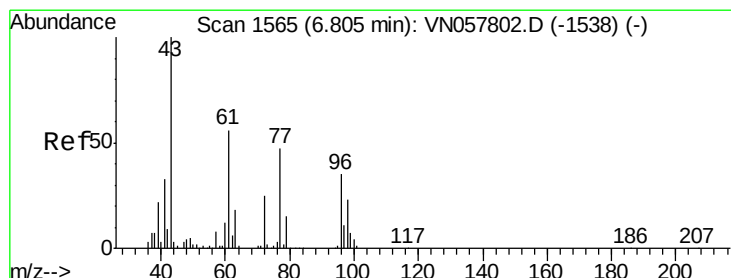
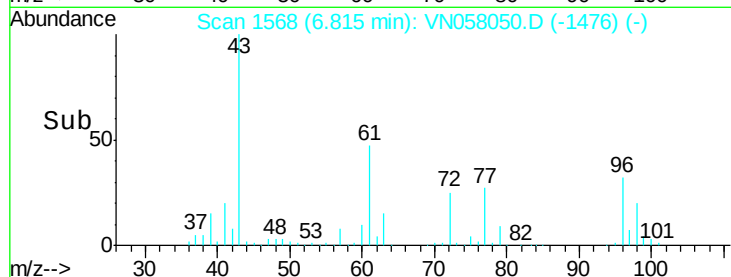
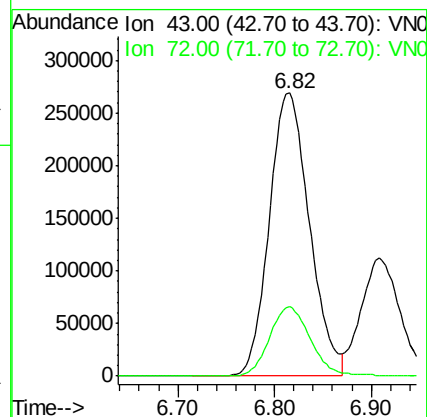
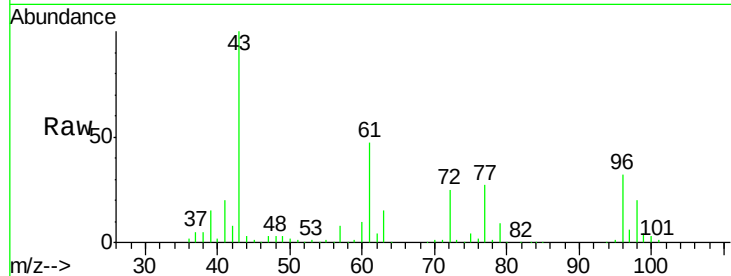
72 24.8 20.6 30.8

Manual Integrations

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MMDadoda

9/16/2019 2:11:16 PM



#26

2,2-Dichloropropane

Concen: 38.378 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058050.D

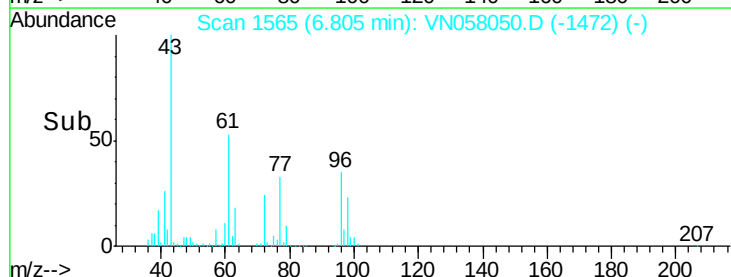
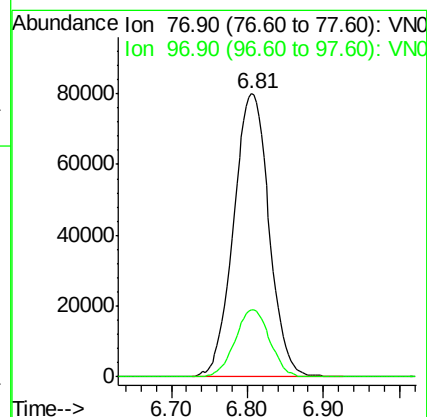
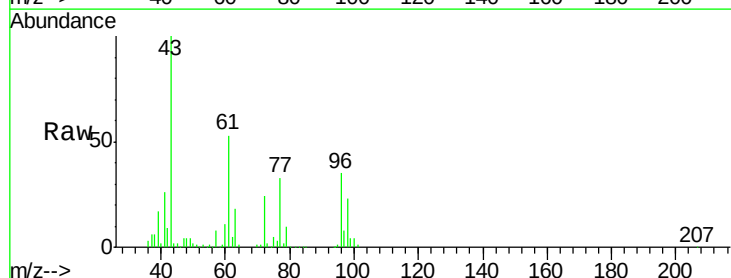
Acq: 14 Sep 2019 4:11

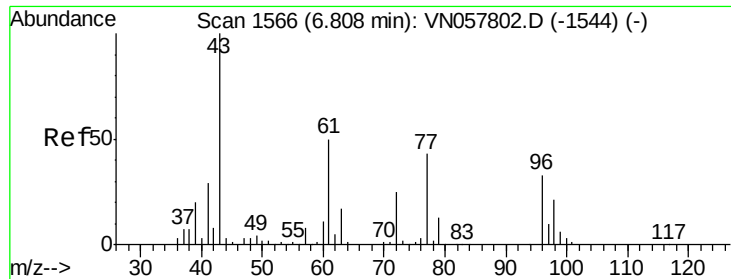
Tgt Ion: 77 Resp: 259294

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 51.940 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

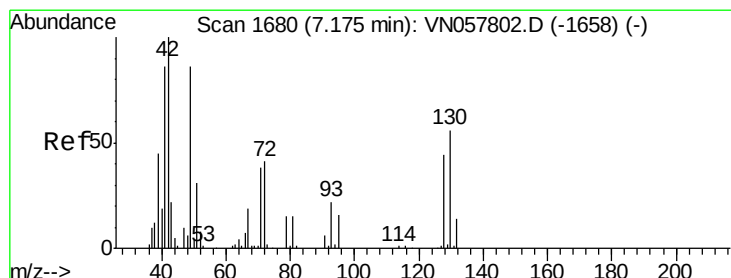
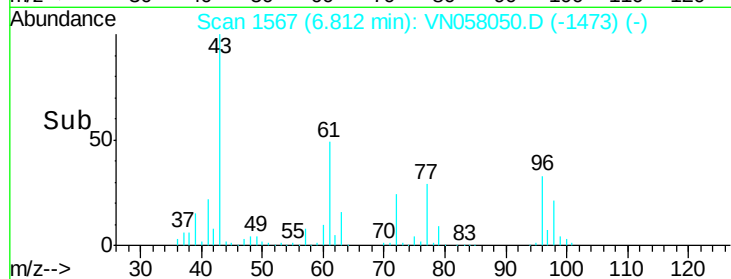
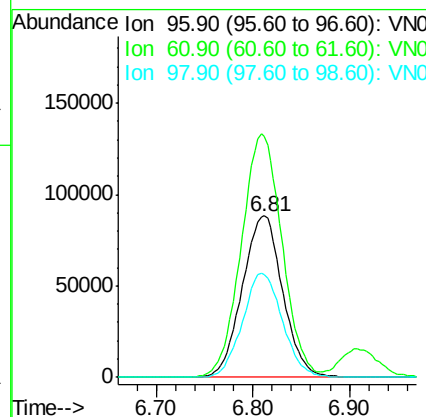
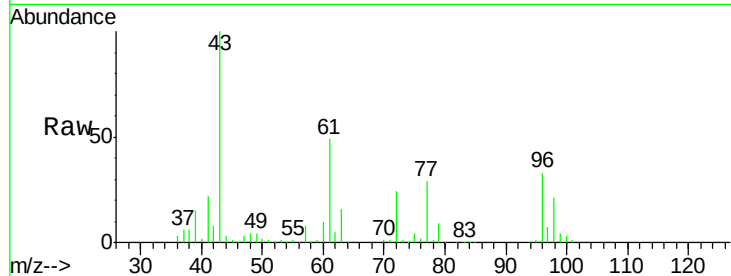
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	256115
Ion Ratio	Lower	Upper	
96	100		
61	151.9	0.0	314.0
98	63.9	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 53.413 ug/l

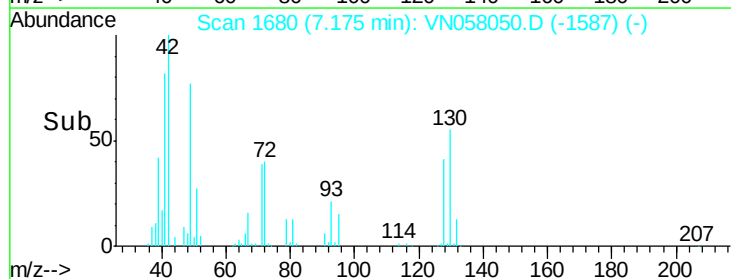
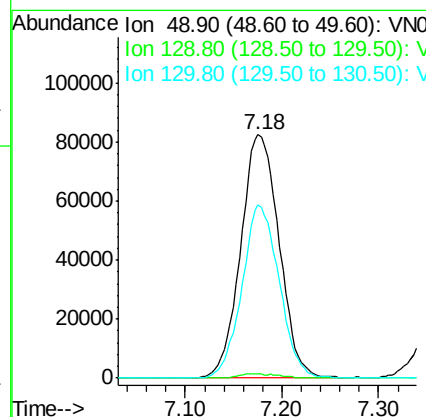
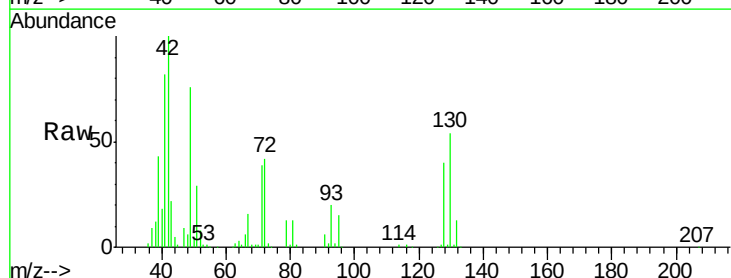
RT: 7.18 min Scan# 1680

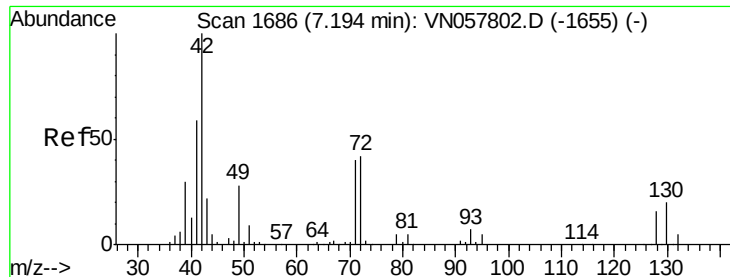
Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Tgt Ion:	49	Resp:	227816
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	68.7	53.0	79.6





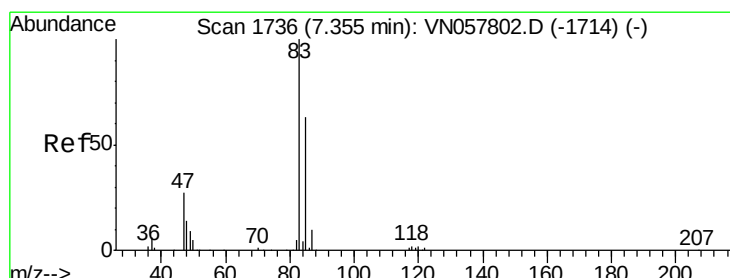
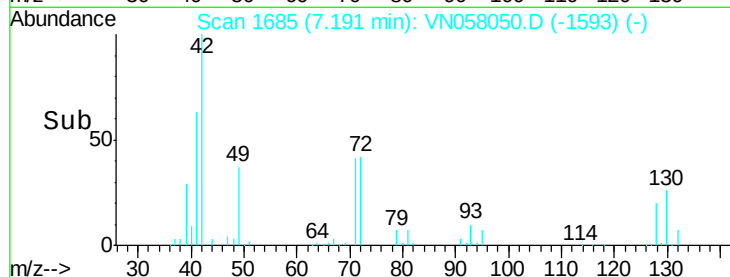
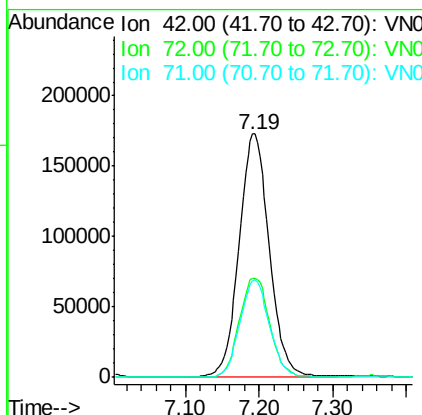
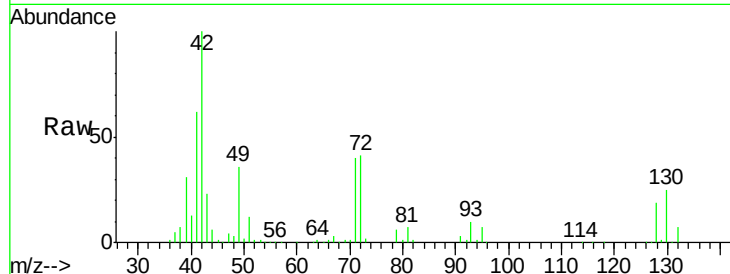
#29
Tetrahydrofuran
Concen: 260.174 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.6	31.9	47.9

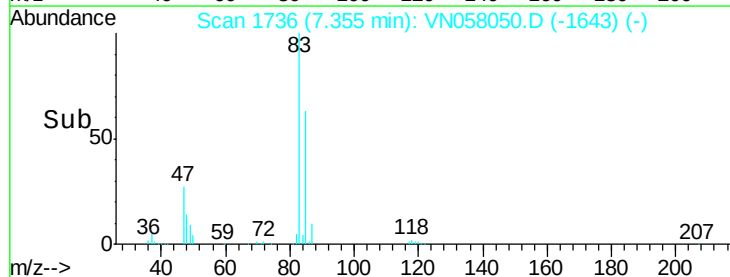
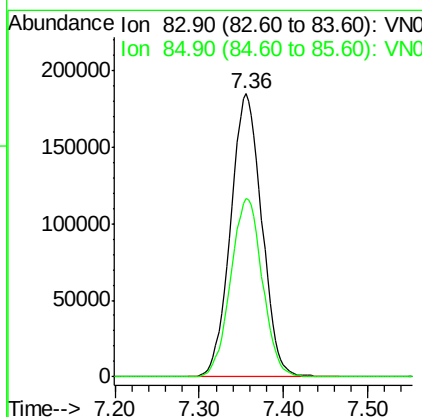
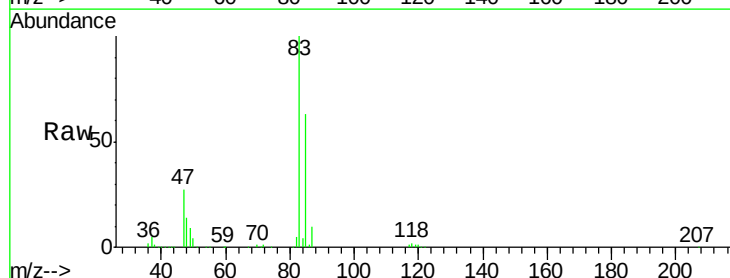
Manual Integrations
APPROVED

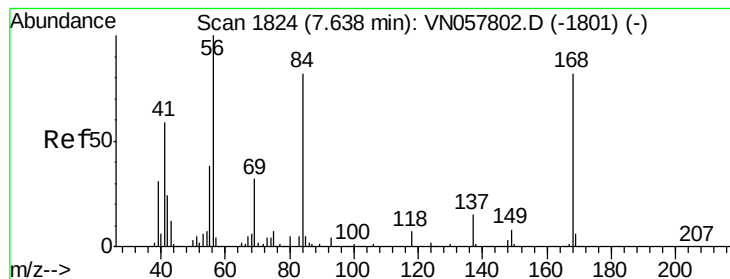
MMDadoda
9/16/2019 2:11:16 PM



#30
Chloroform
Concen: 53.213 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.6	75.8





#31

Cyclohexane

Concen: 52.539 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

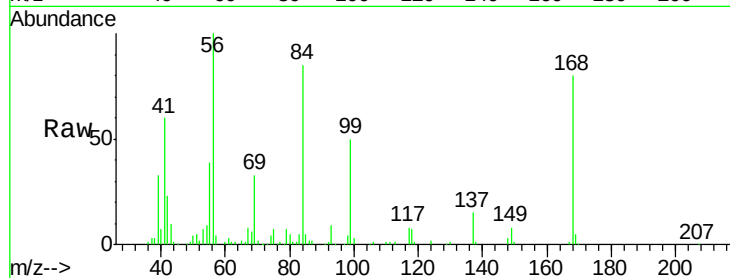
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	305002
Ion Ratio	Lower	Upper	
56	100		
69	33.4	25.9	38.9
84	83.1	65.6	98.4

Manual Integrations
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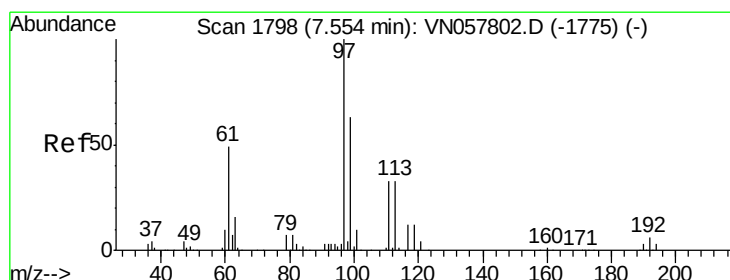
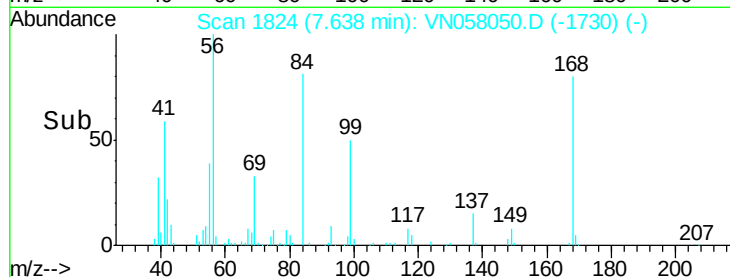
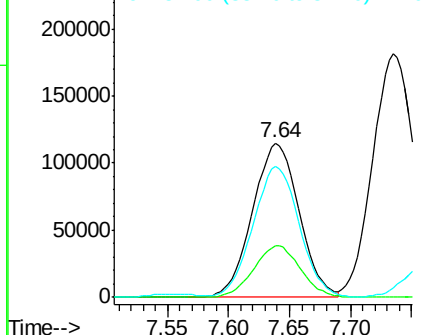
MMDadoda
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Abundance Ion 56.00 (55.70 to 56.70): VN058050.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058050.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058050.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 52.430 ug/l

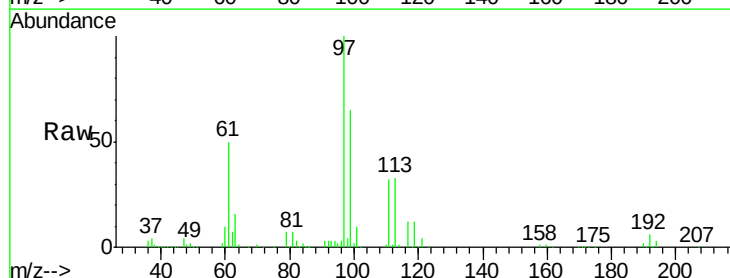
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

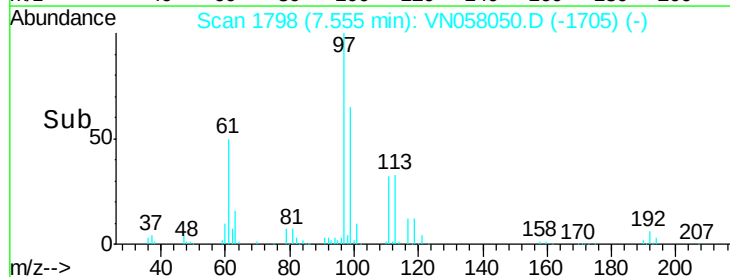
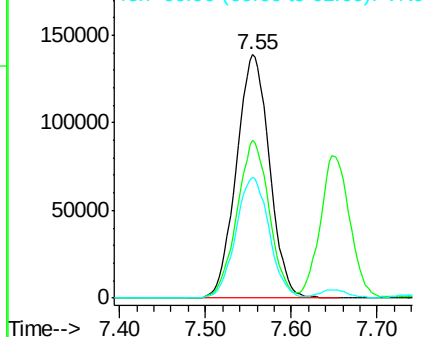
Tgt Ion:	97	Resp:	371189
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.0	76.4
61	50.1	39.0	58.6

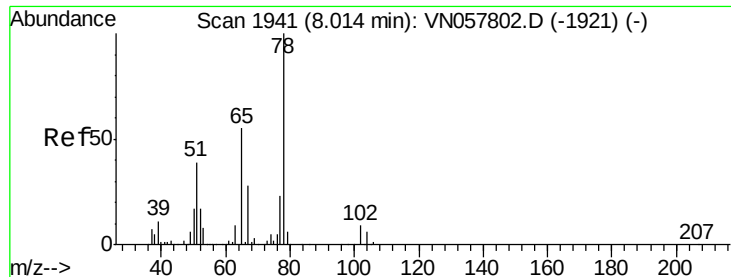


Abundance Ion 96.90 (96.60 to 97.60): VN058050.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058050.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058050.D (-1705) (-)





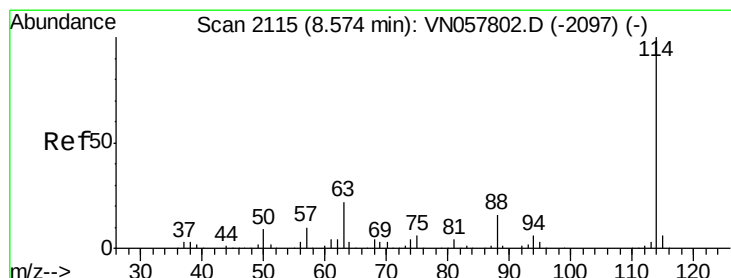
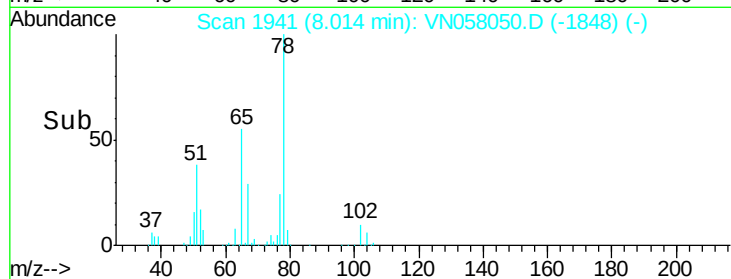
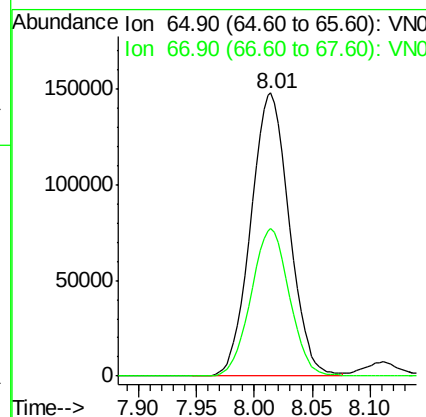
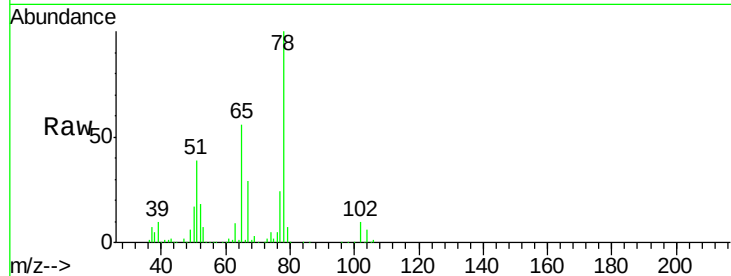
#33
 1,2-Dichloroethane-d4
 Concen: 52.821 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	341981		
67	52.0	0.0	104.0	

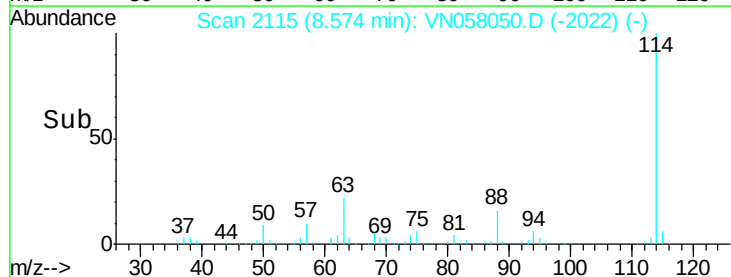
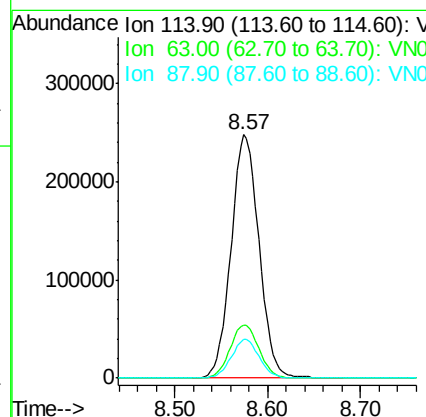
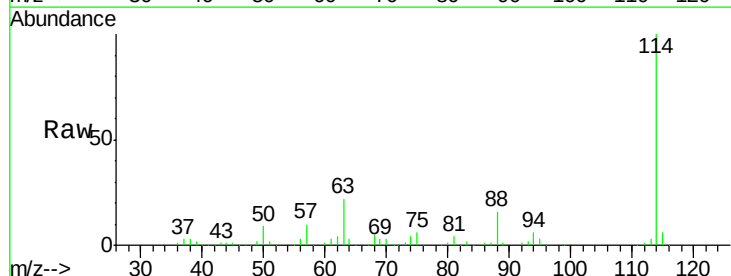
Manual Integrations
 APPROVED

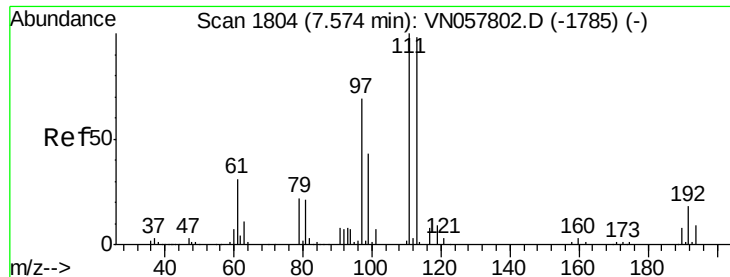
MMDadoda
 9/16/2019 2:11:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518775		
63	21.9	0.0	44.0	
88	16.2	0.0	31.4	





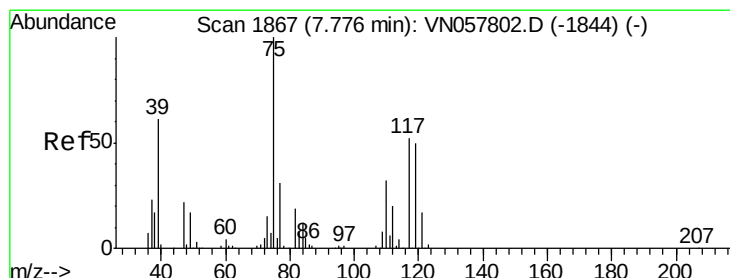
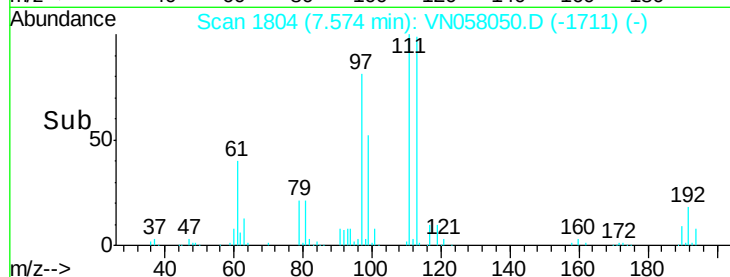
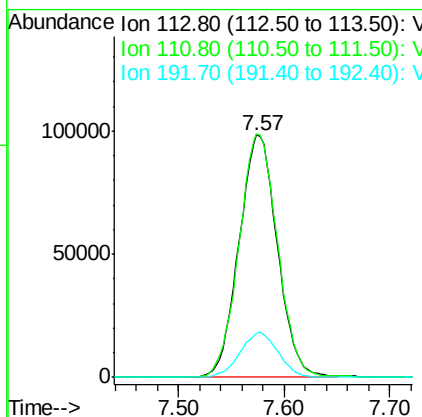
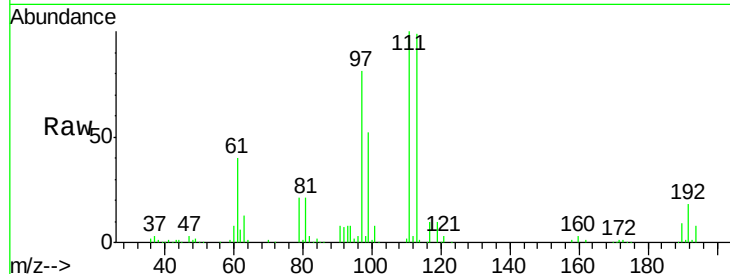
#35
Dibromofluoromethane
Concen: 51.869 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	248354		
111	100.7	81.3	121.9	
192	18.4	14.6	22.0	

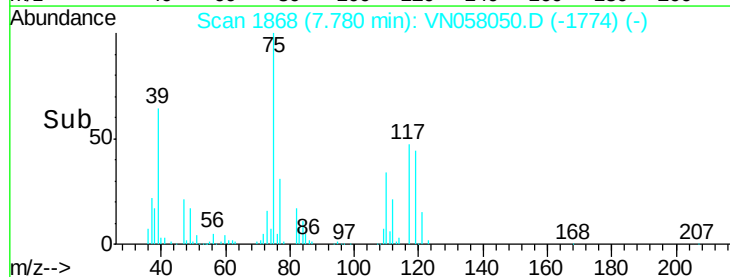
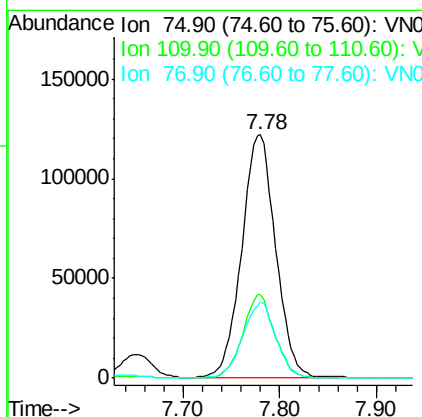
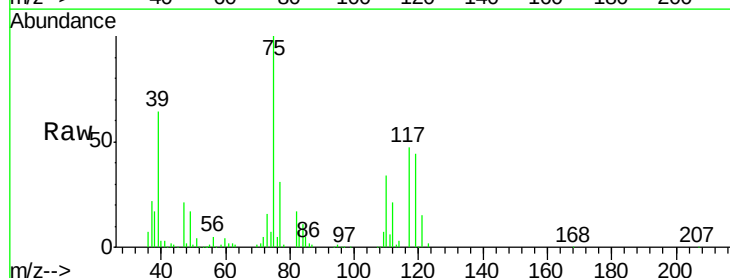
Manual Integrations
APPROVED

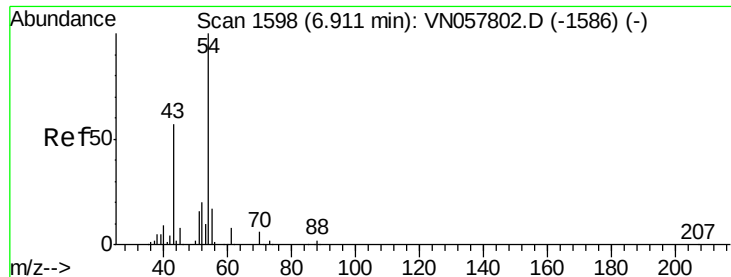
MMDadoda
9/16/2019 2:11:16 PM



#36
1,1-Dichloropropene
Concen: 49.164 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295791		
110	32.4	16.3	48.9	
77	30.9	25.0	37.4	





#37

Ethyl Acetate

Concen: 50.848 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

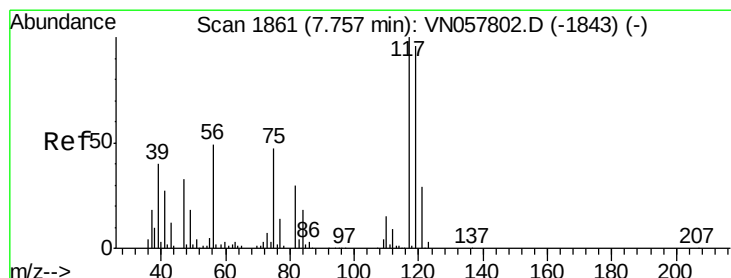
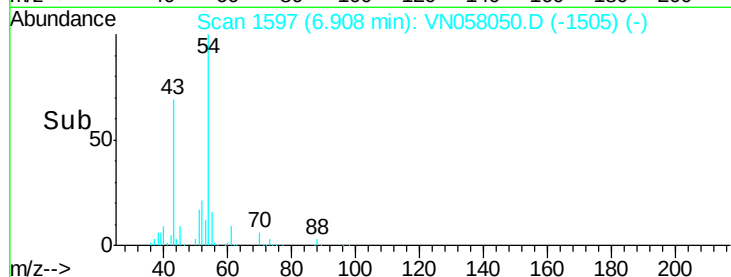
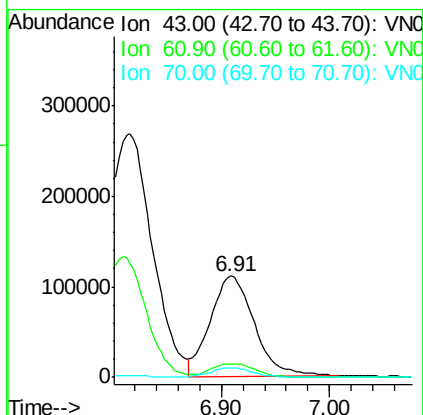
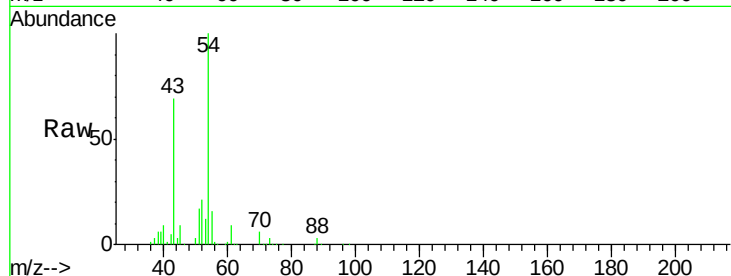
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	316074
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.3	7.4	11.0

Manual Integrations
APPROVED

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9/16/2019 2:11:16 PM



#38

Carbon Tetrachloride

Concen: 53.511 ug/l

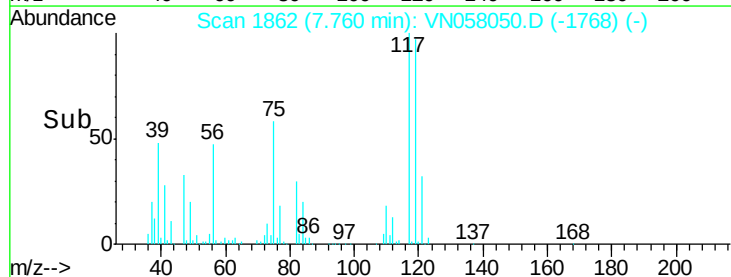
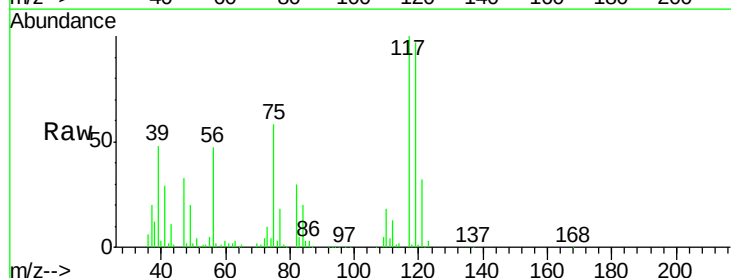
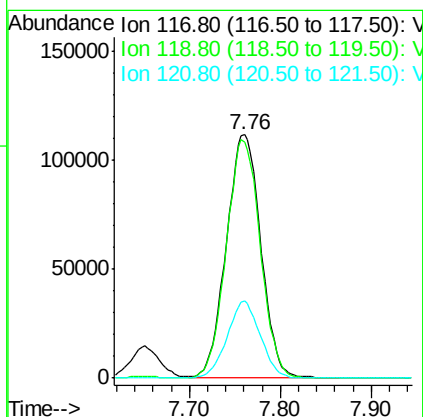
RT: 7.76 min Scan# 1862

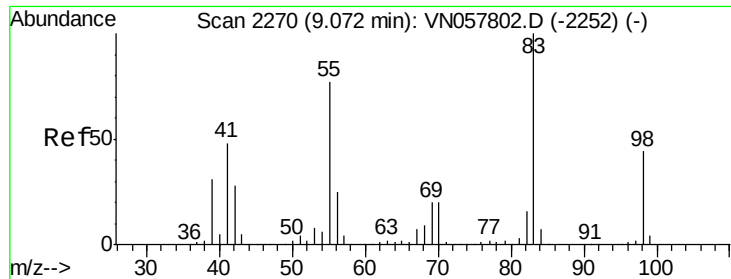
Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Tgt Ion:	117	Resp:	293934
Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.9	115.3
121	31.6	23.4	35.2





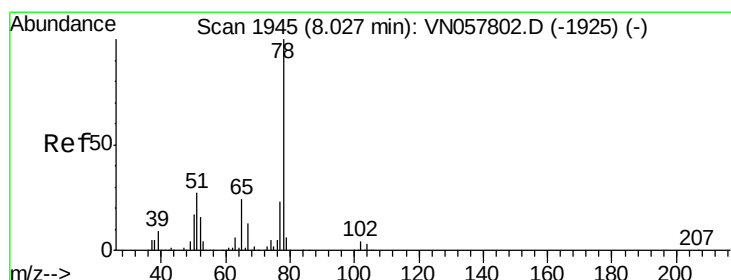
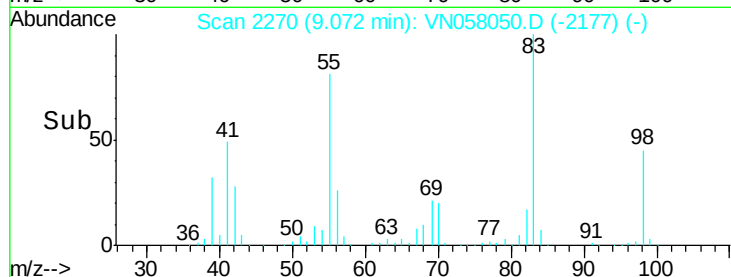
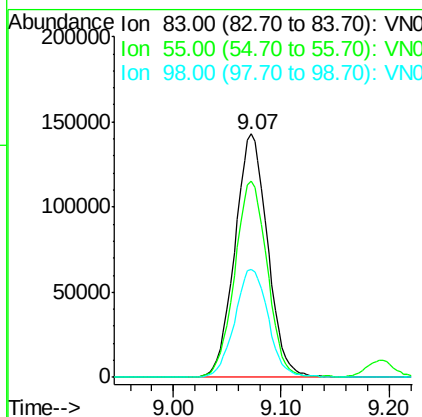
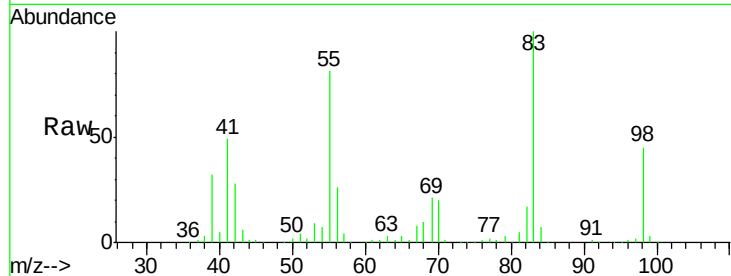
#39
Methylvlcyclohexane
Concen: 47.769 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.7	61.6	92.4	
98	44.6	34.9	52.3	

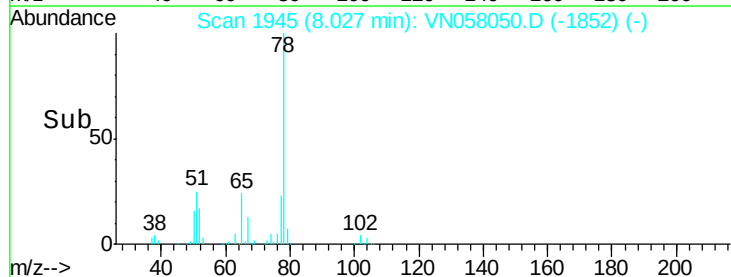
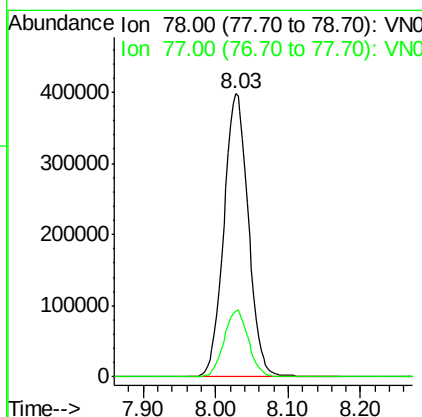
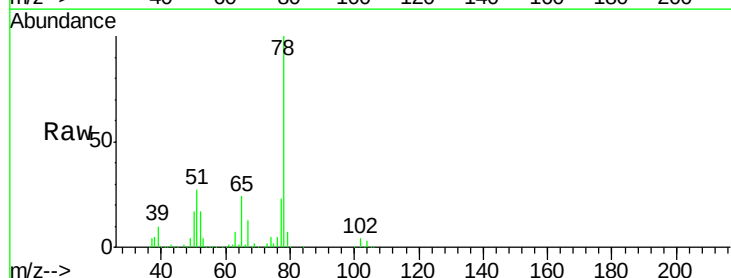
Manual Integrations
APPROVED

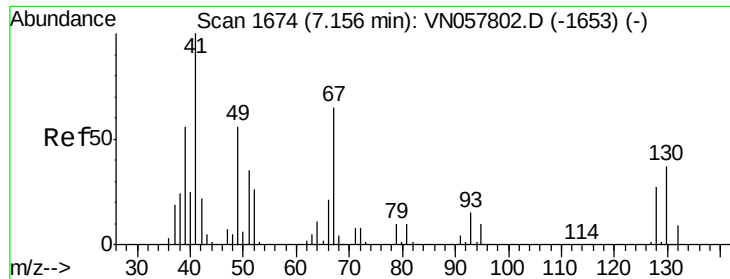
MMDadoda
9/16/2019 2:11:16 PM



#40
Benzene
Concen: 51.598 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.3	27.5	





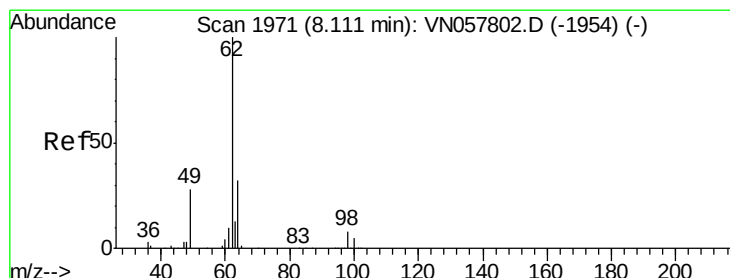
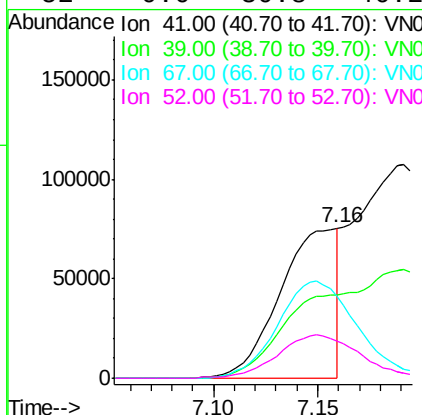
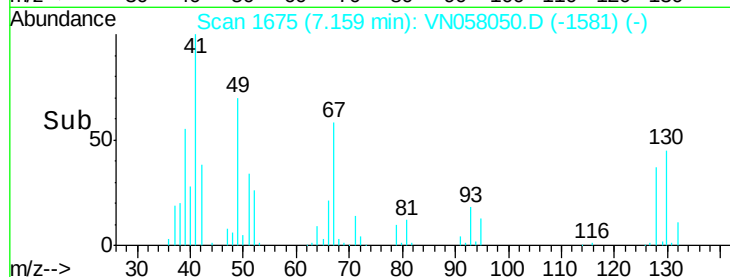
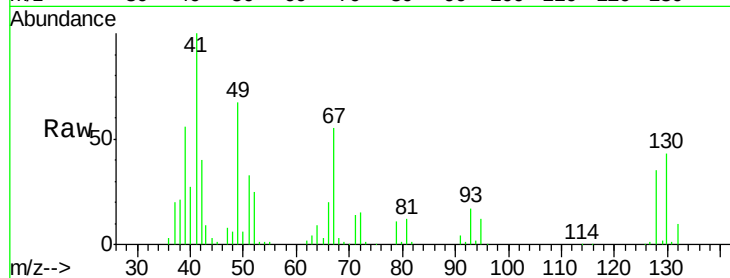
#41
Methacrylonitrile
Concen: 50.990 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	176.2	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

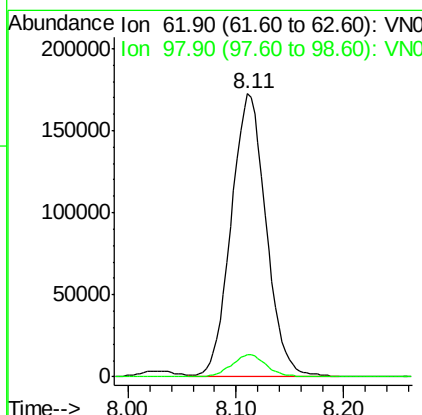
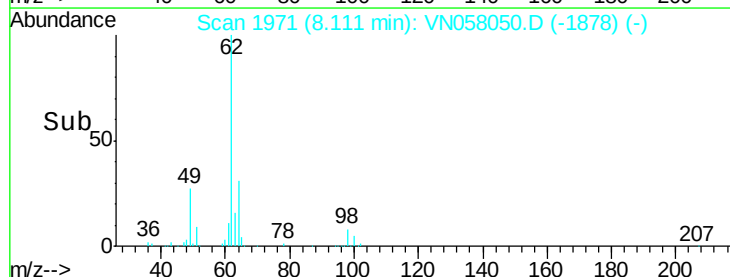
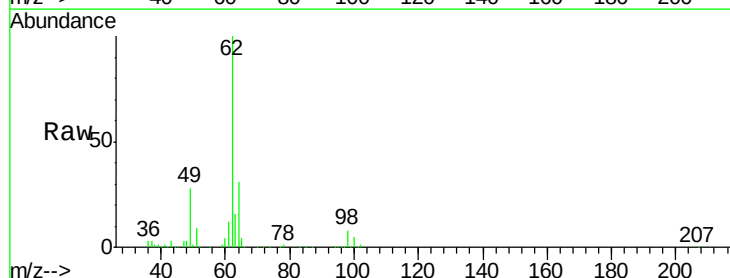
Manual Integrations
APPROVED

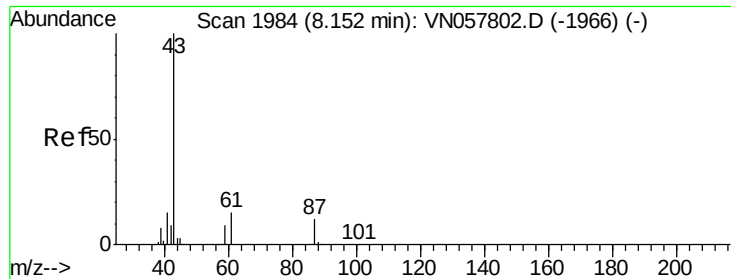
MMDadoda
9/16/2019 2:11:16 PM



#42
1,2-Dichloroethane
Concen: 53.277 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





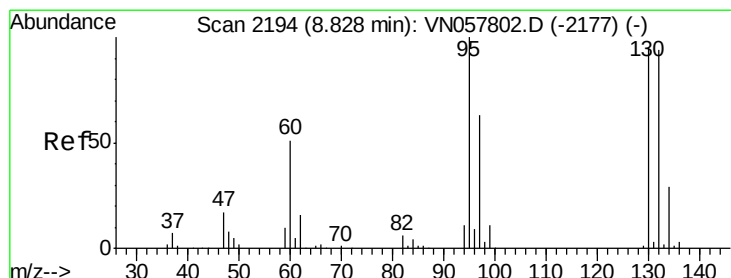
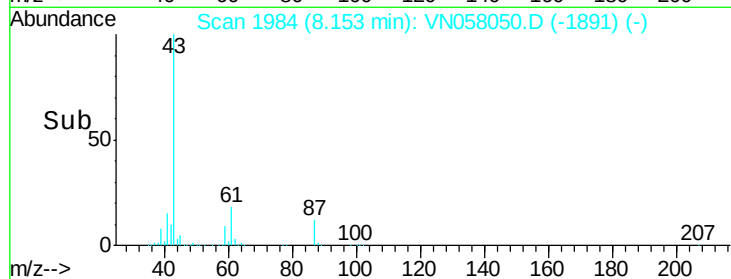
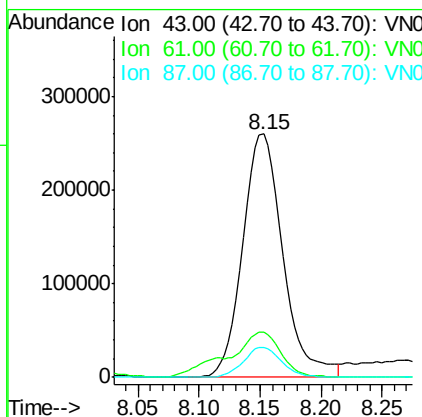
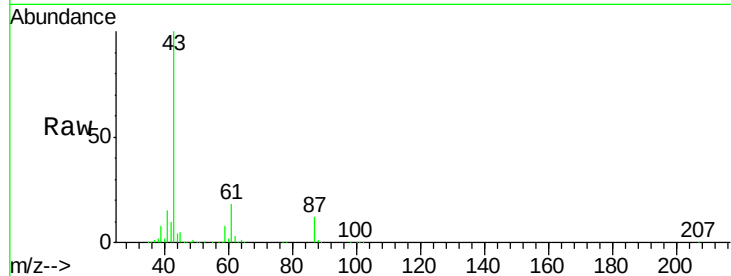
#43
Isopropyl Acetate
Concen: 56.390 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	20.1	30.1#
87	11.7	9.5	14.3

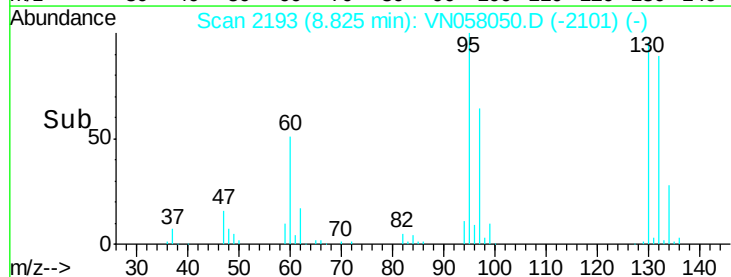
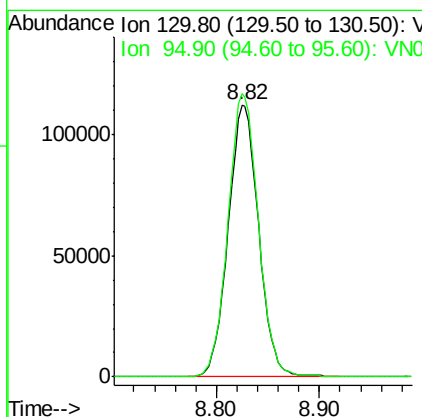
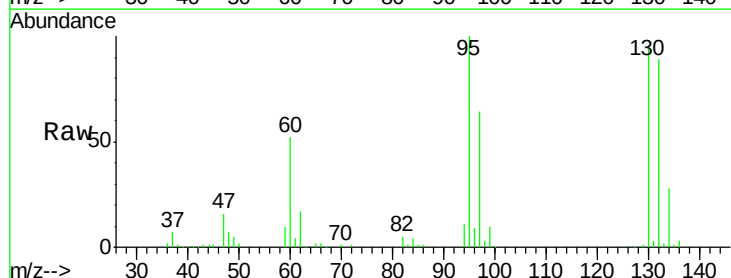
Manual Integrations
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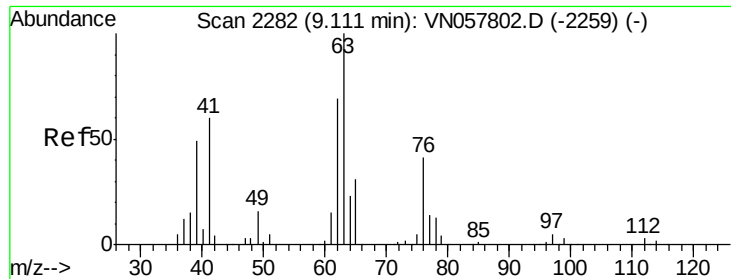
MMDadoda
9/16/2019 2:11:16 PM



#44
Trichloroethene
Concen: 51.938 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	211.4





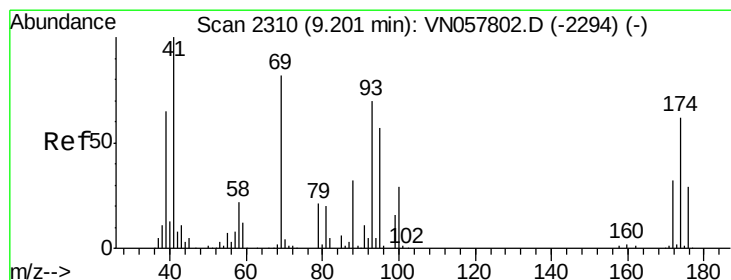
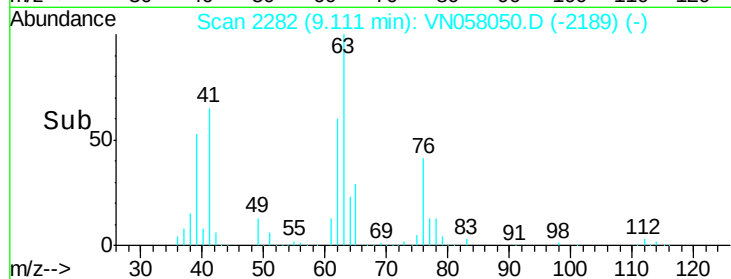
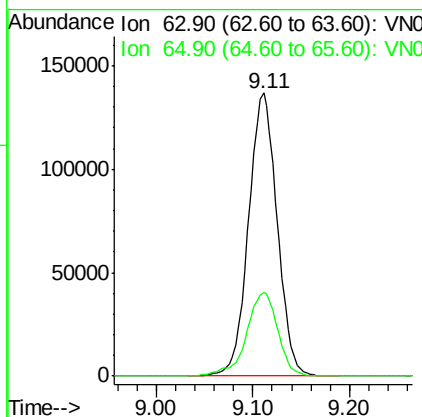
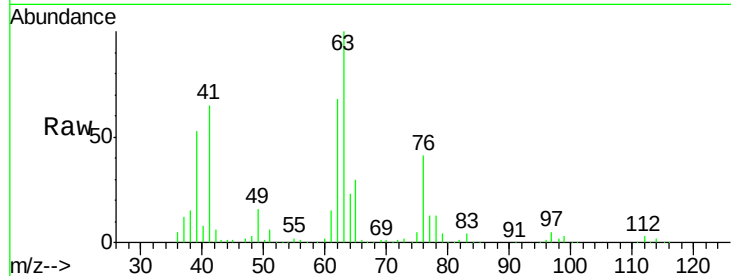
#45
 1,2-Dichloropropane
 Concen: 53.379 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 281344
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.8 37.2

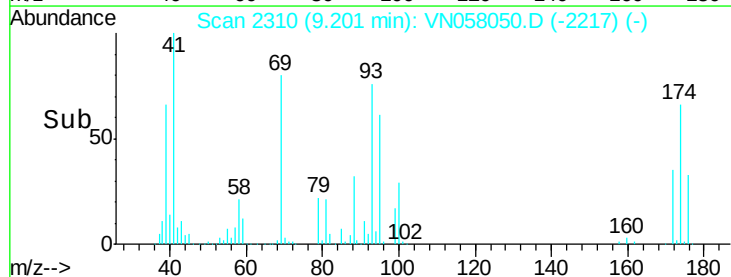
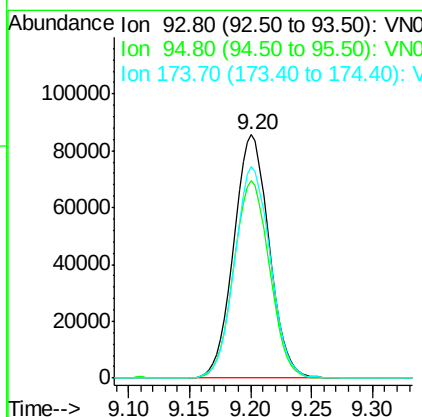
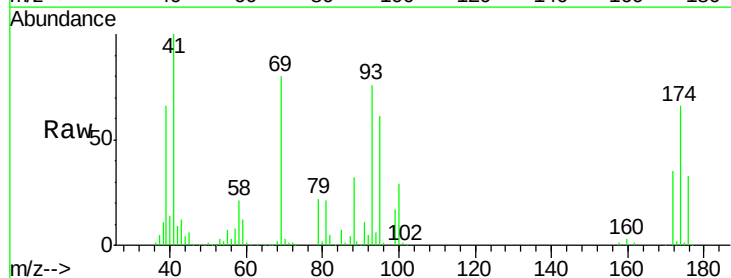
Manual Integrations
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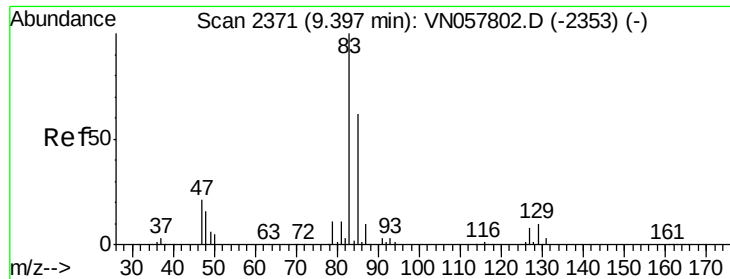
MMDadoda
 9/16/2019 2:11:16 PM



#46
 Dibromomethane
 Concen: 54.030 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion: 93 Resp: 172085
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.9 98.9
 174 87.9 71.8 107.6





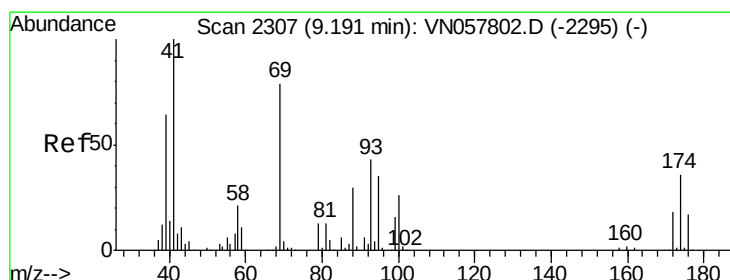
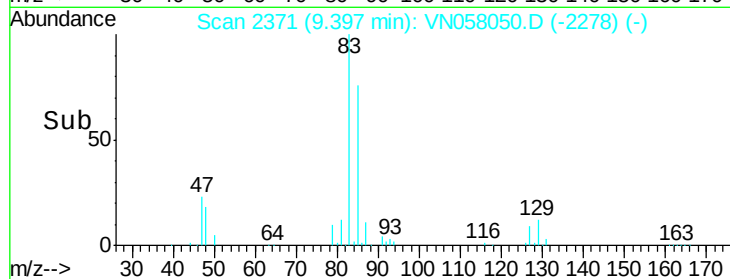
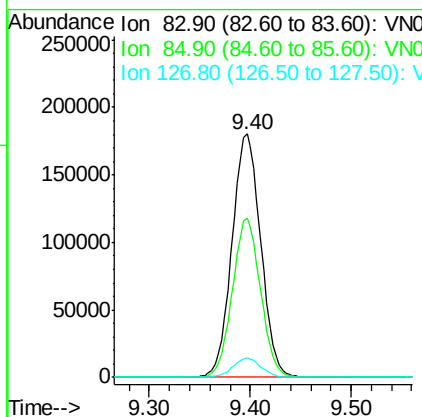
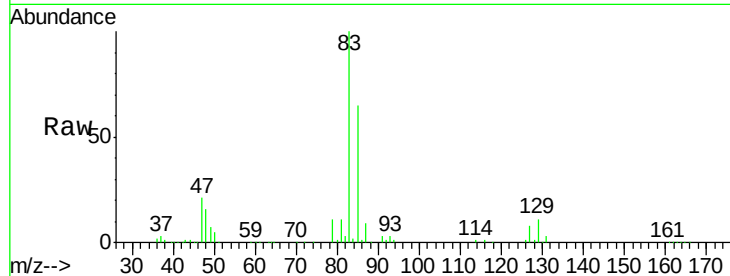
#47
Bromodichloromethane
Concen: 56.063 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.3	49.9	74.9	
127	7.9	6.5	9.7	

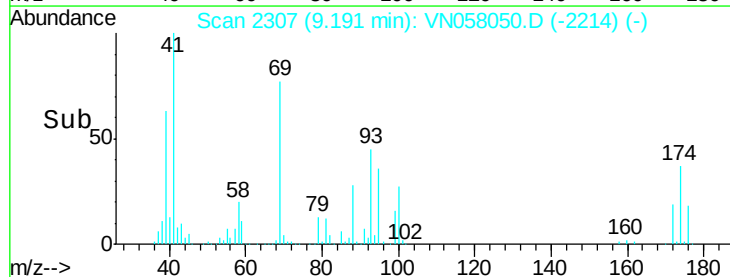
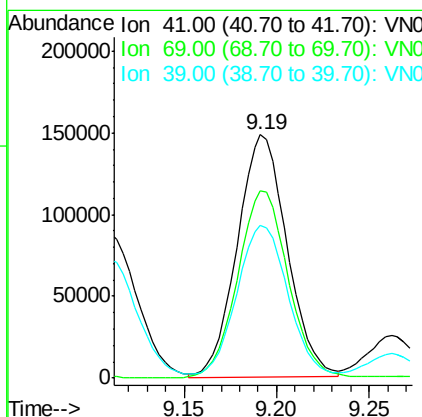
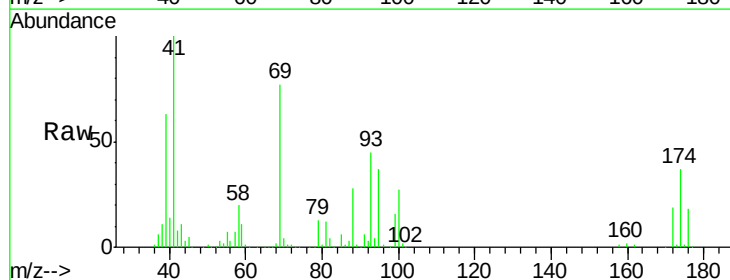
Manual Integrations
APPROVED

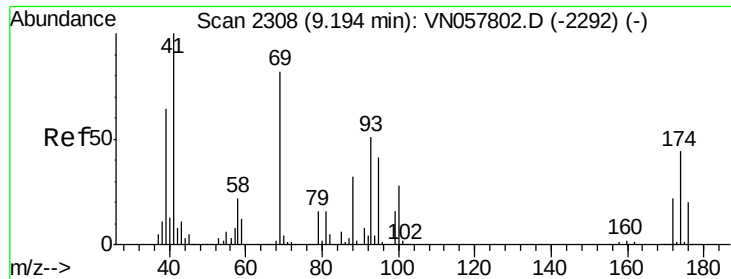
MMDadoda
9/16/2019 2:11:16 PM



#48
Methyl methacrylate
Concen: 52.399 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.3	62.7	94.1	
39	65.1	52.7	79.1	





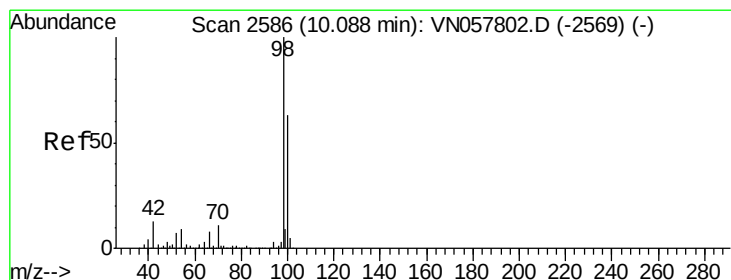
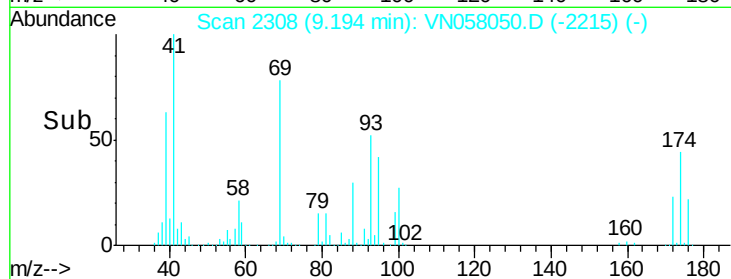
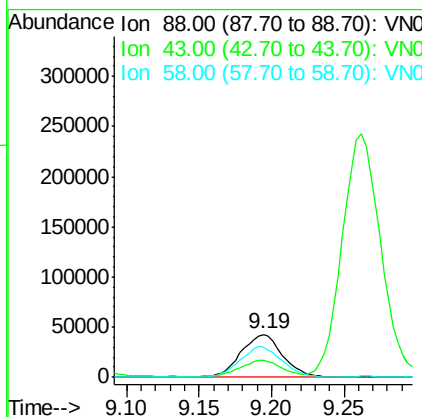
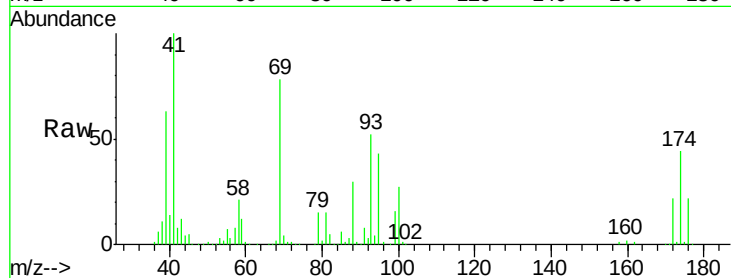
#49
1,4-Dioxane
Concen: 953.591 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	85511
Ion Ratio	Lower	Upper	
88	100		
43	36.2	28.5	42.7
58	72.3	55.8	83.6

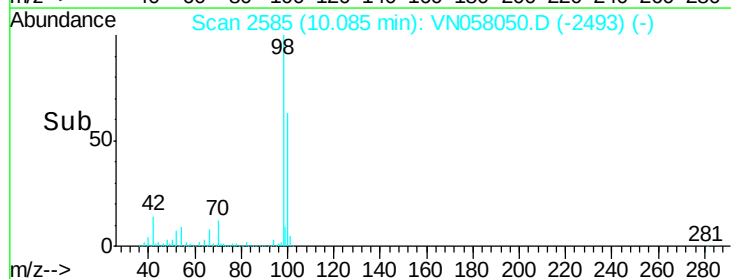
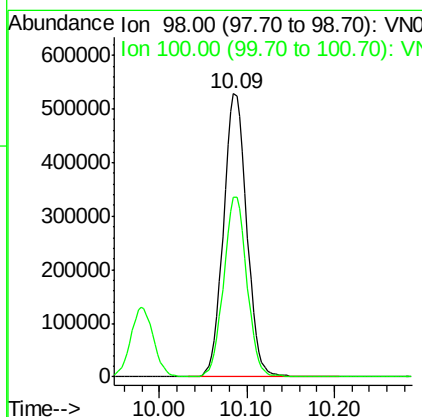
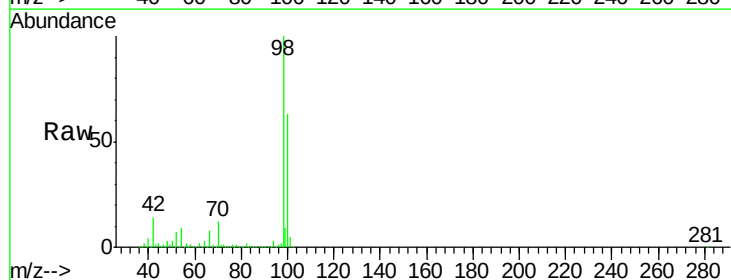
Manual Integrations
APPROVED

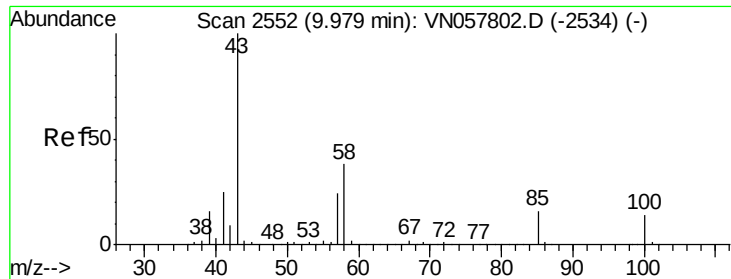
MMDadoda
9/16/2019 2:11:16 PM



#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	98	Resp	976103
Ion Ratio	Lower	Upper	
98	100		
100	63.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 280.136 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1732924

Ion Ratio Lower Upper

43 100

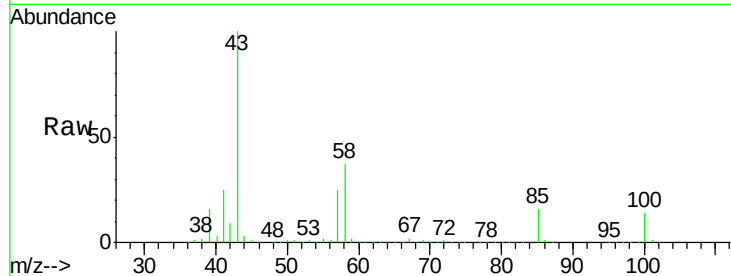
58 37.3 29.8 44.6

Manual Integrations

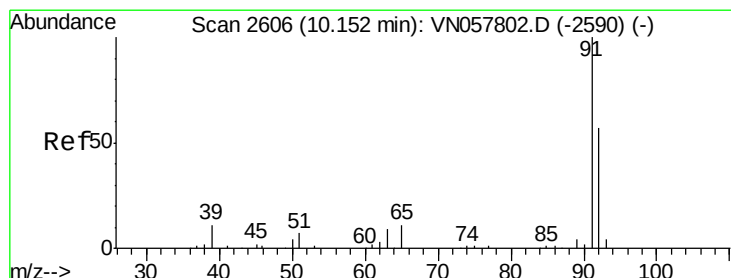
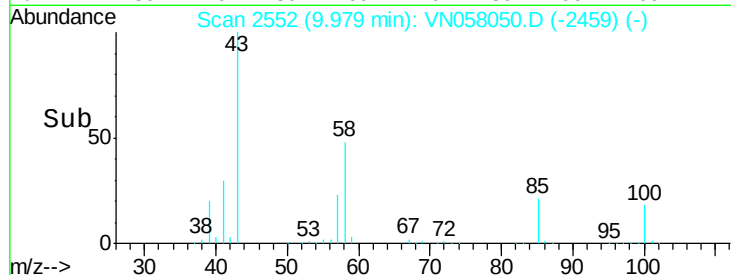
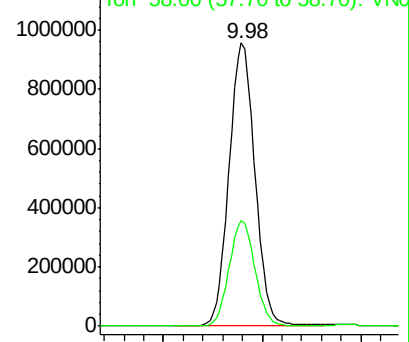
APPROVED

MMDadoda

9/16/2019 2:11:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 51.915 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058050.D

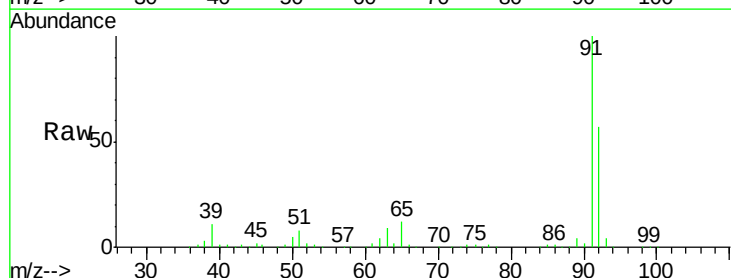
Acq: 14 Sep 2019 4:11

Tgt Ion: 92 Resp: 592272

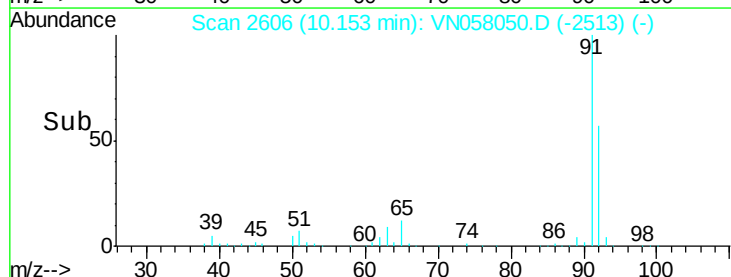
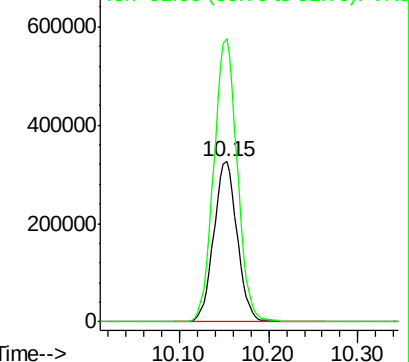
Ion Ratio Lower Upper

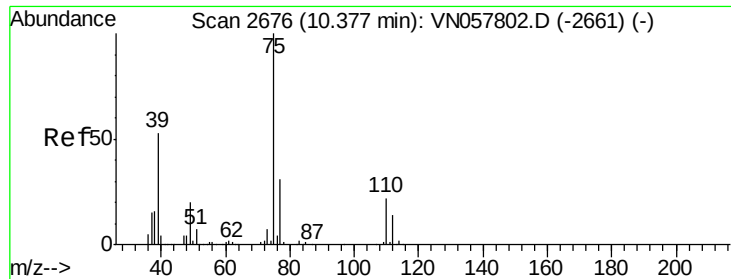
92 100

91 177.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)





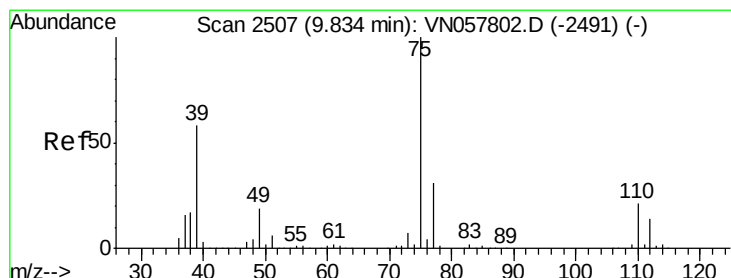
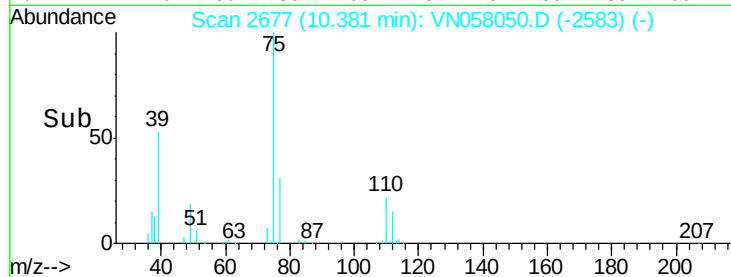
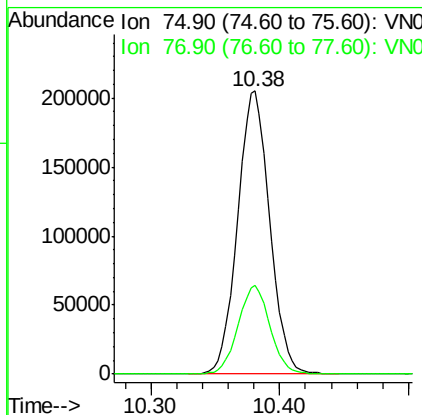
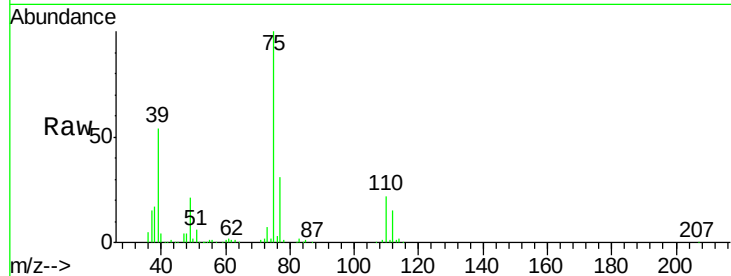
#53
t-1,3-Dichloropropene
Concen: 52.991 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 354914
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7

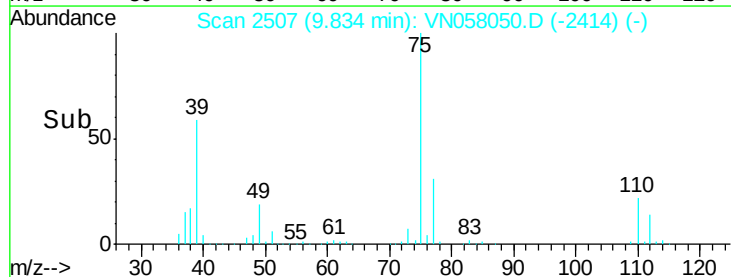
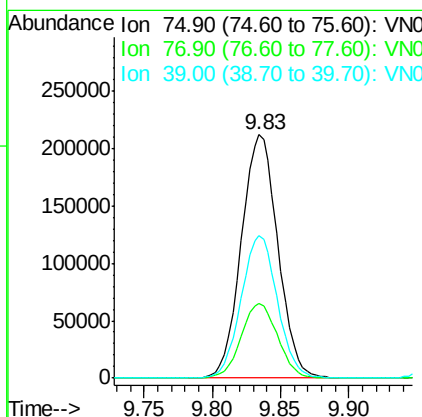
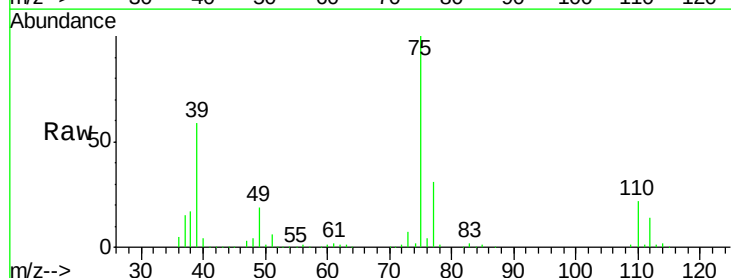
Manual Integrations
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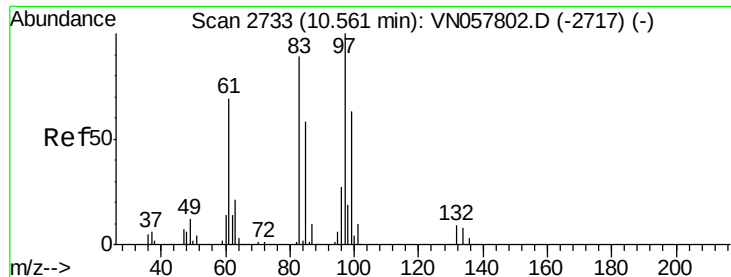
MMDadoda
9/16/2019 2:11:16 PM



#54
cis-1,3-Dichloropropene
Concen: 53.375 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion: 75 Resp: 394680
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 58.4 46.2 69.4





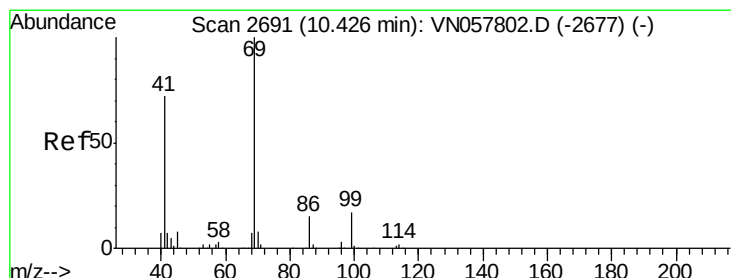
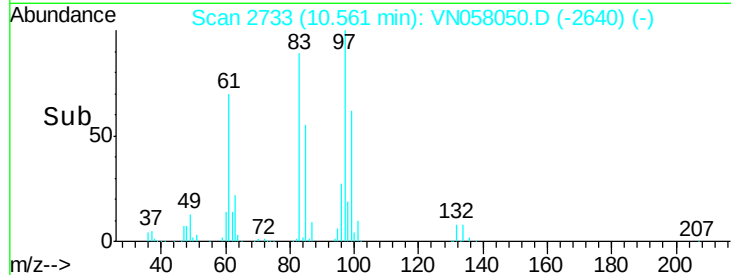
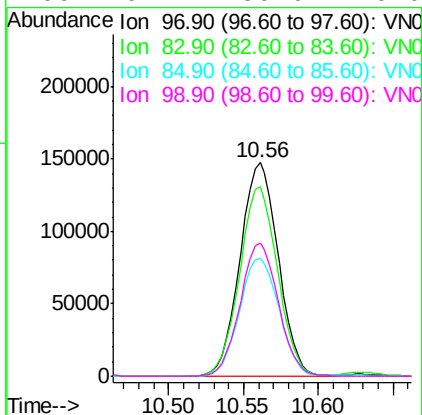
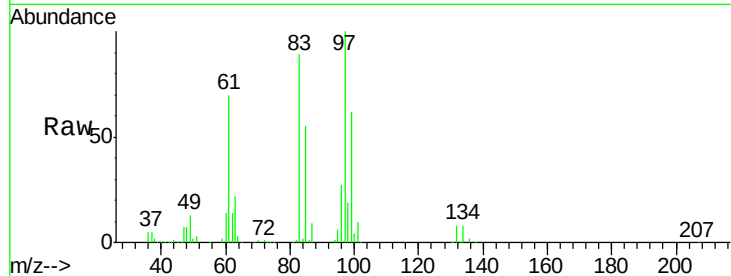
#55
 1,1,2-Trichloroethane
 Concen: 54.438 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	263074
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.8	106.2
85	55.1	46.0	69.0
99	62.4	50.6	76.0

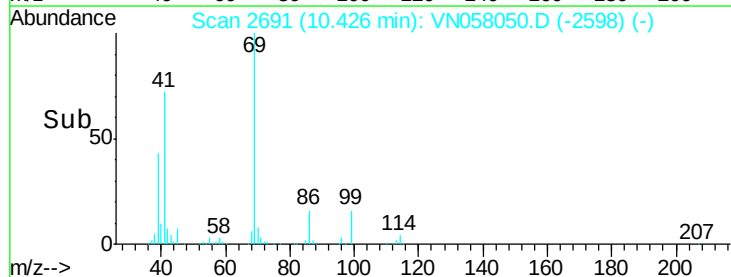
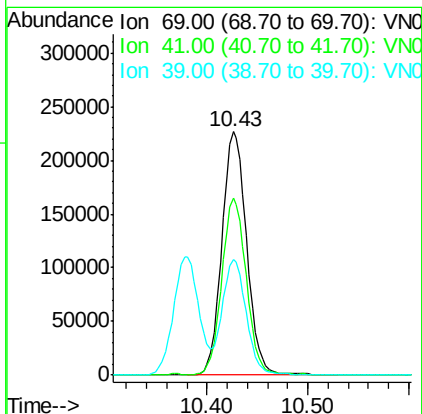
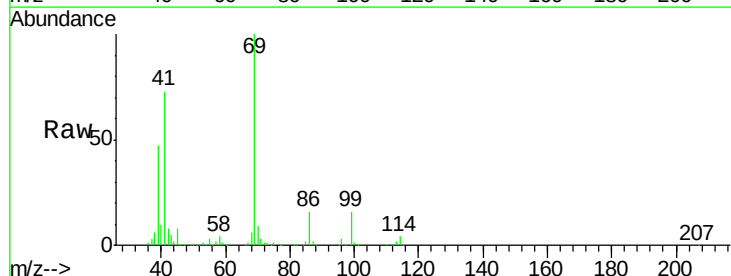
Manual Integrations
 APPROVED

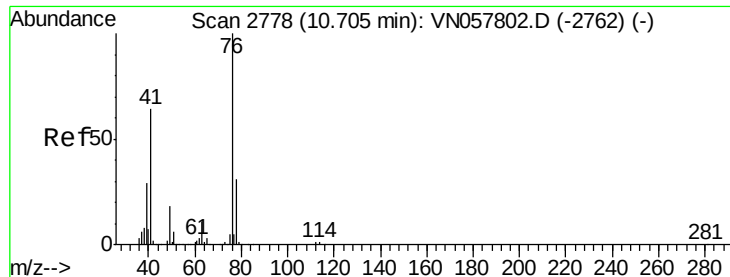
MMDadoda
 9/16/2019 2:11:16 PM



#56
 Ethyl methacrylate
 Concen: 53.572 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion:	69	Resp:	389857
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	45.7	36.3	54.5





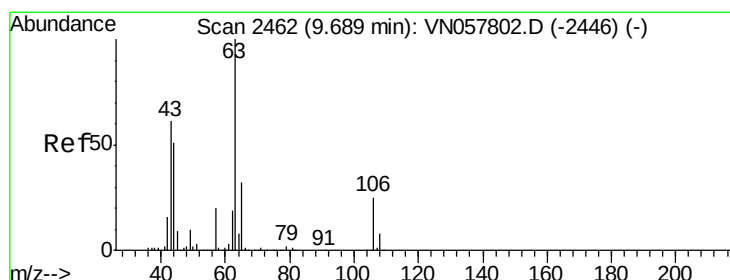
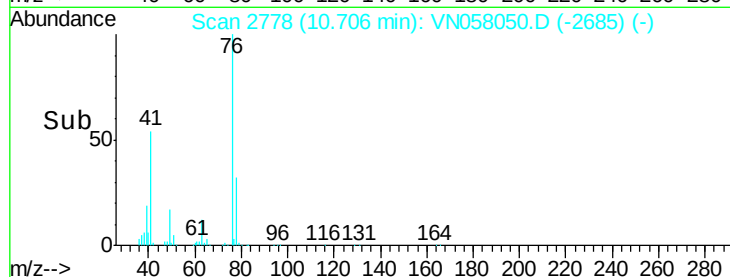
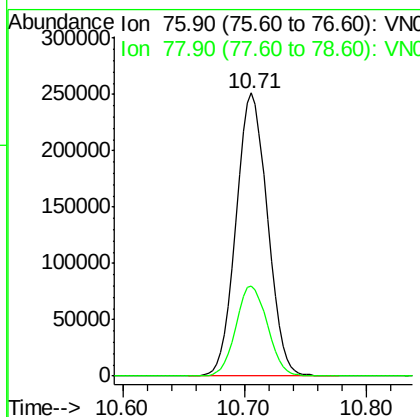
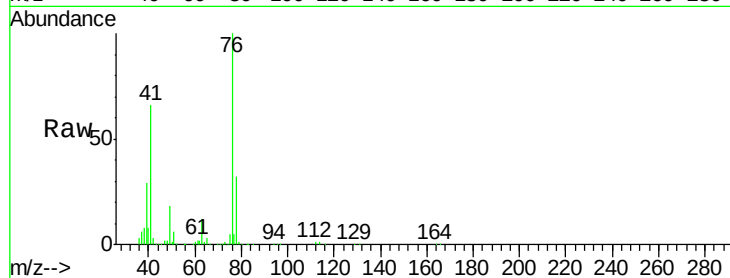
#57
 1,3-Dichloropropane
 Concen: 53.713 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

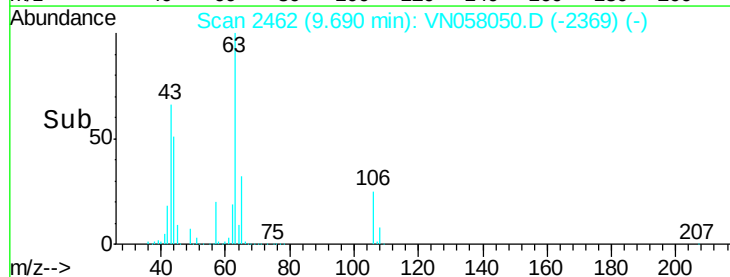
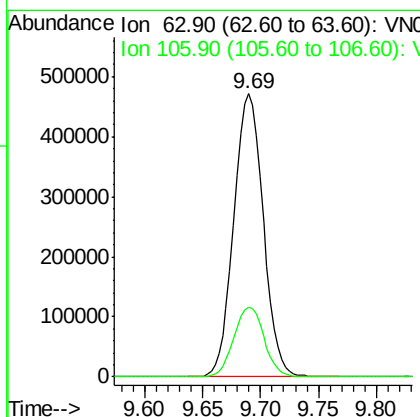
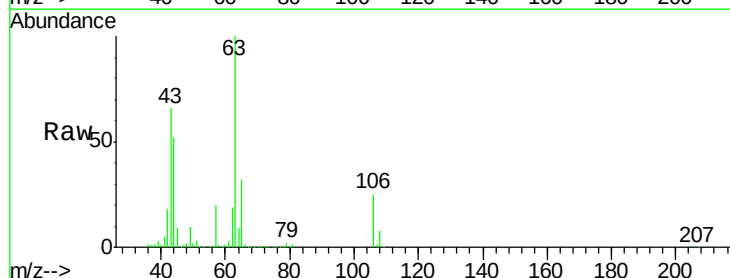
Manual Integrations
 APPROVED

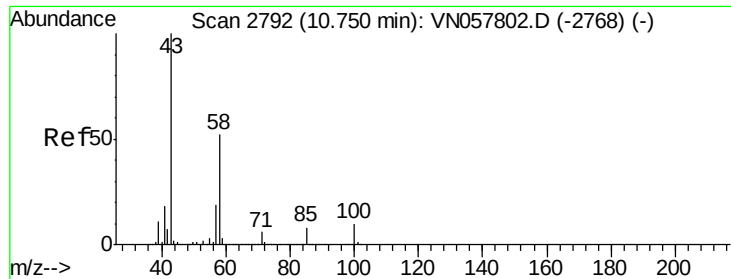
MMDadoda
 9/16/2019 2:11:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.929 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.0	30.0





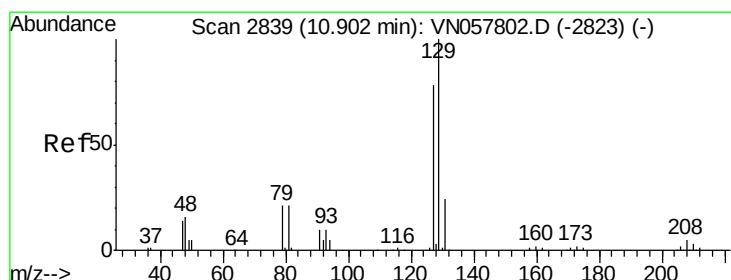
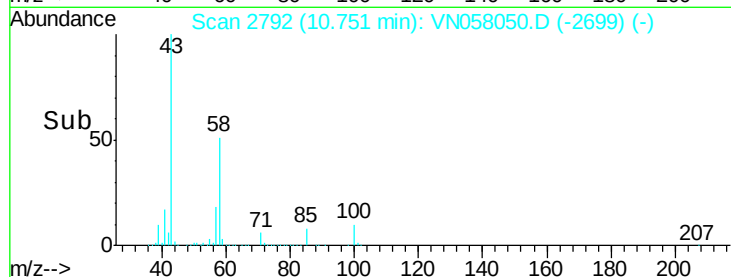
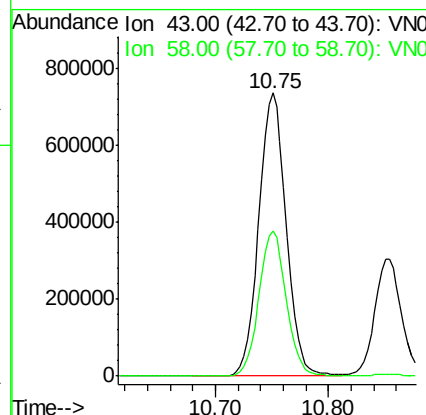
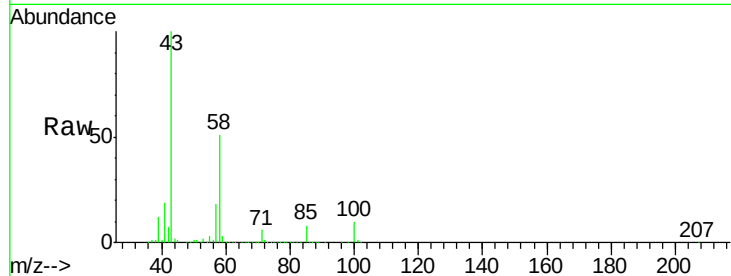
#59
2-Hexanone
Concen: 265.919 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1232975
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

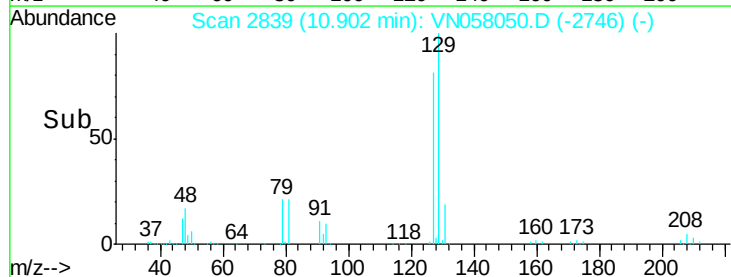
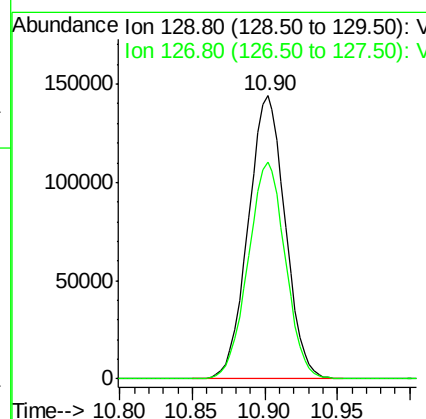
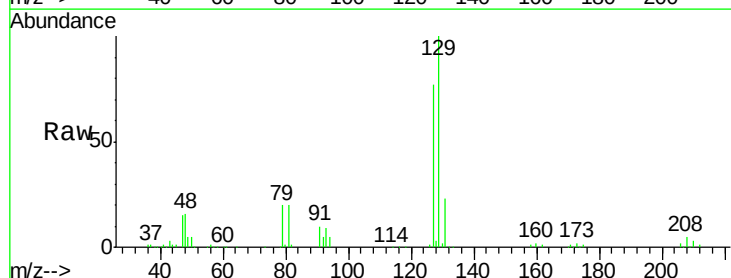
Manual Integrations
APPROVED

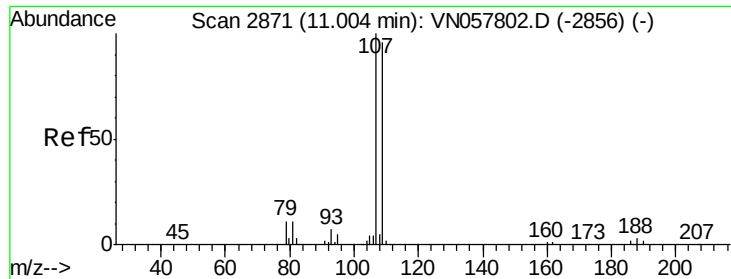
MMDadoda
9/16/2019 2:11:16 PM



#60
Dibromochloromethane
Concen: 57.008 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion: 129 Resp: 255820
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





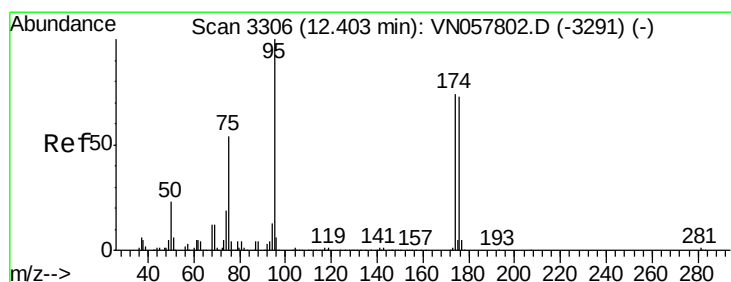
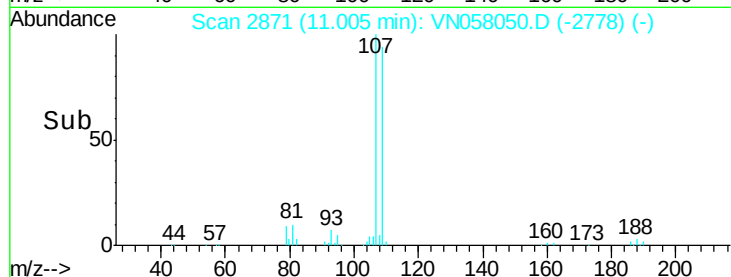
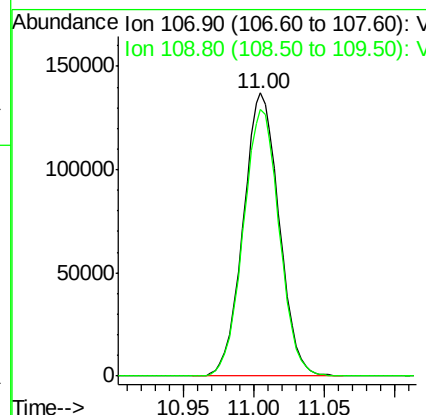
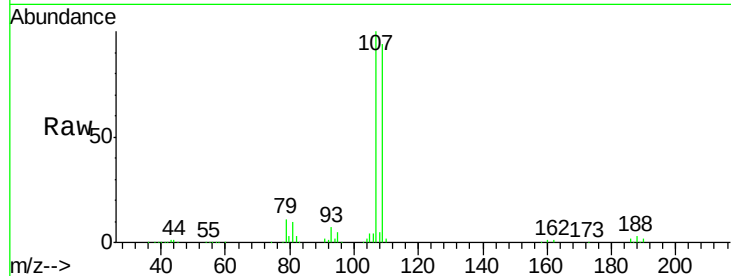
#61
 1,2-Dibromoethane
 Concen: 53.315 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

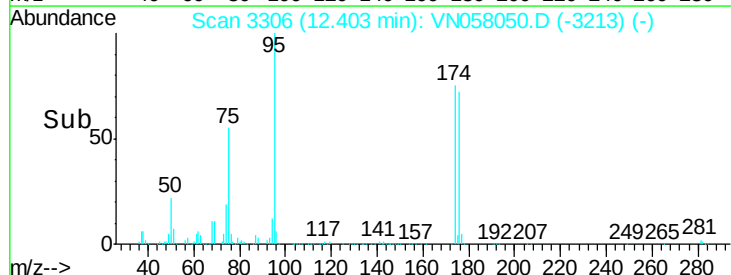
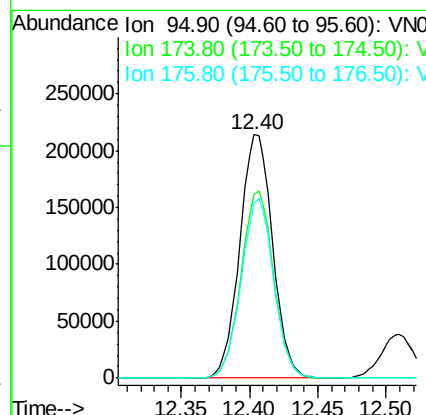
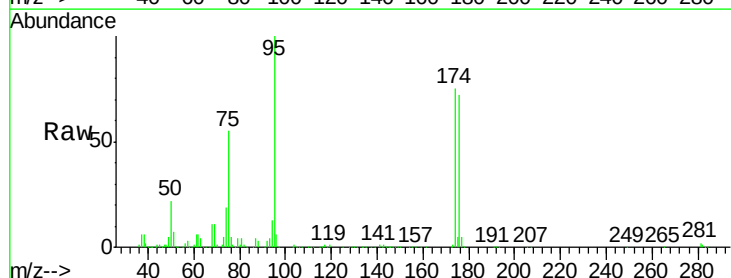
Manual Integrations
 APPROVED

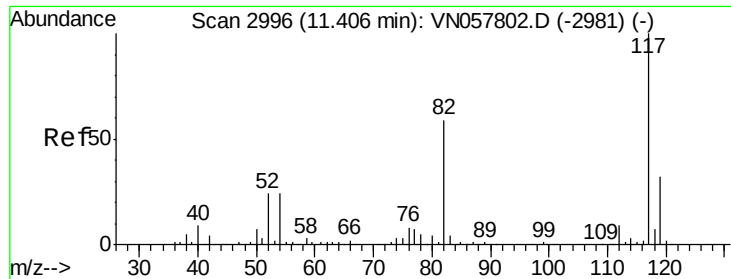
MMDadoda
 9/16/2019 2:11:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.474 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.2
176	72.9	0.0	146.0





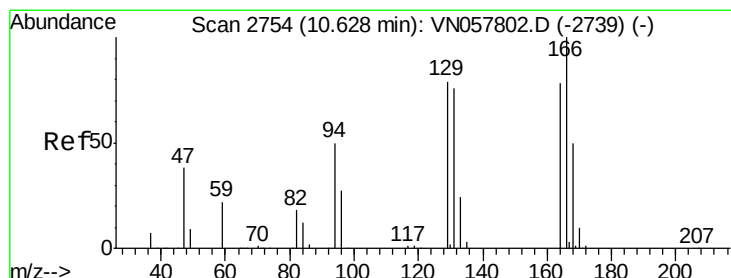
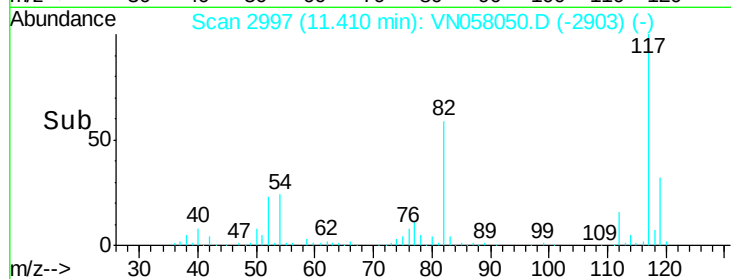
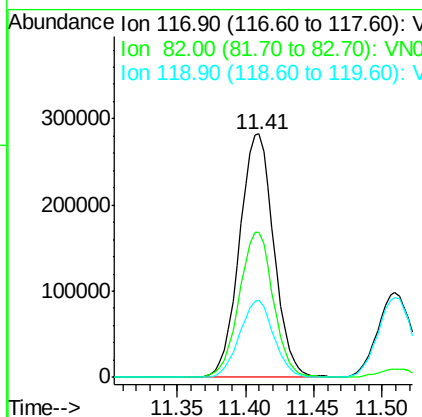
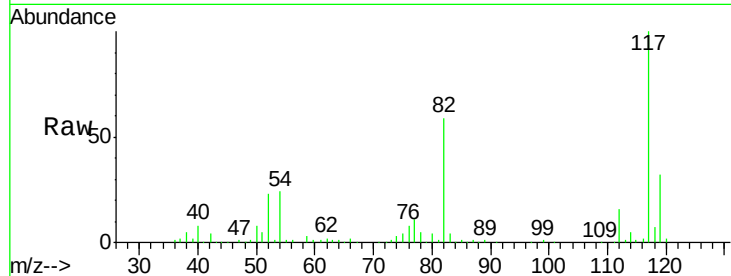
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.2	70.8
119	31.6	25.3	37.9

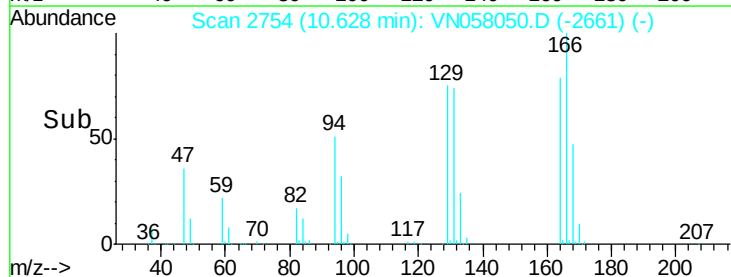
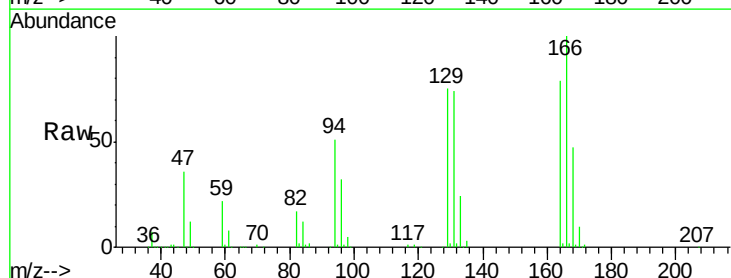
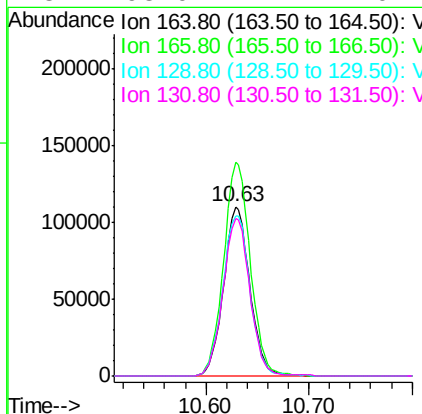
Manual Integrations
APPROVED

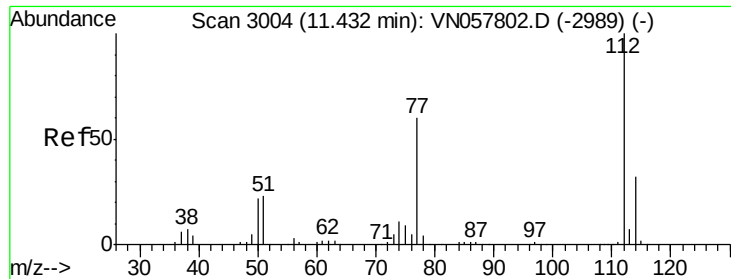
MMDadoda
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#64
Tetrachloroethene
Concen: 53.412 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.2	153.2
129	95.0	80.8	121.2
131	93.0	77.4	116.2





#65

Chlorobenzene

Concen: 51.915 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 671194

Ion Ratio Lower Upper

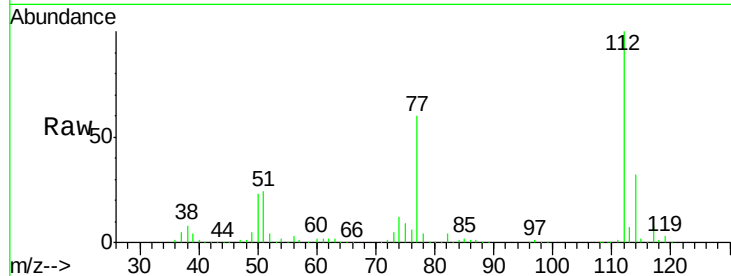
112 100

114 32.2 25.2 37.8

Manual Integrations
APPROVED

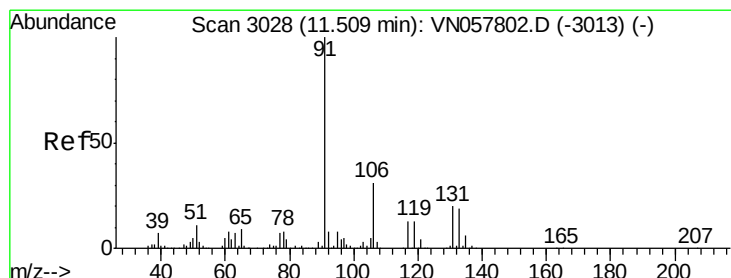
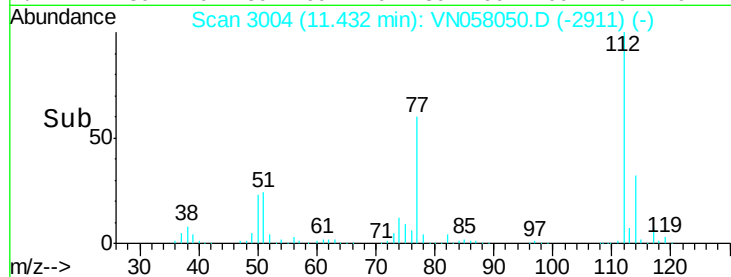
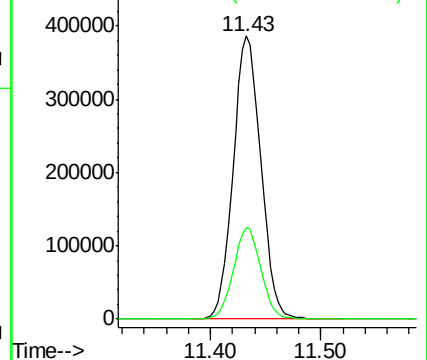
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.686 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

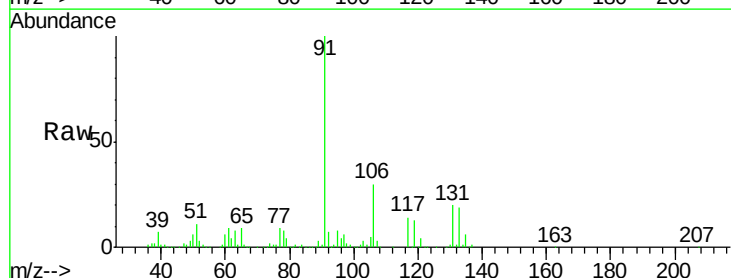
Tgt Ion:131 Resp: 245335

Ion Ratio Lower Upper

131 100

133 95.9 47.1 141.3

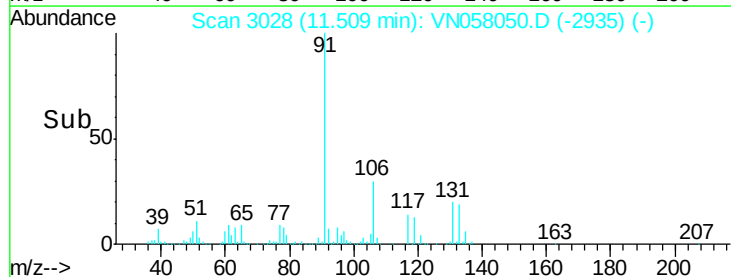
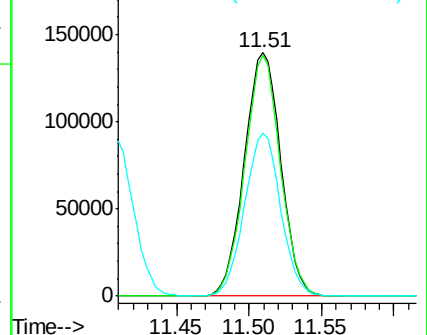
119 66.0 33.3 99.8

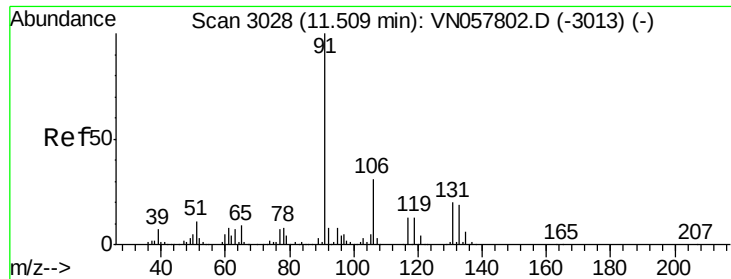


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





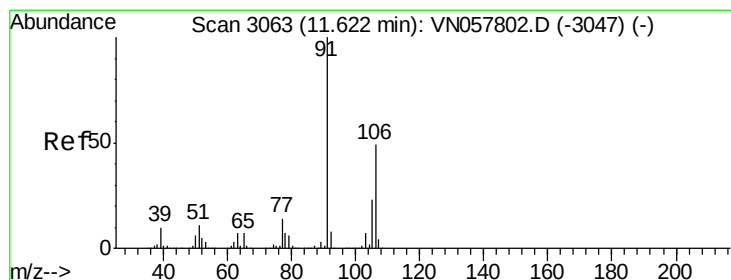
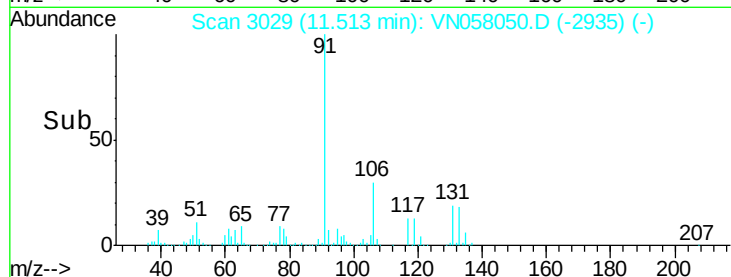
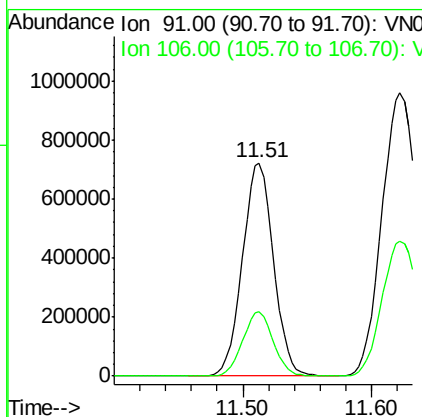
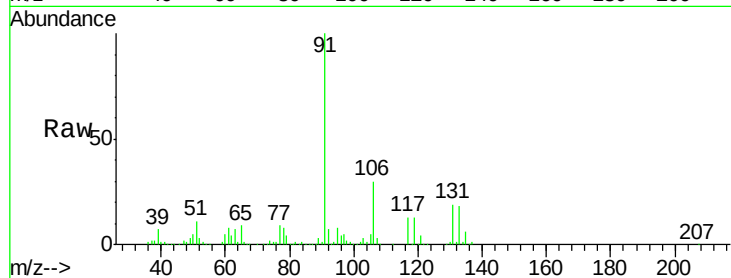
#67
Ethyl Benzene
Concen: 53.439 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1210840
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

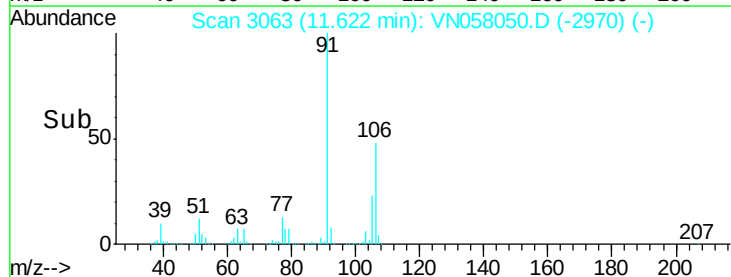
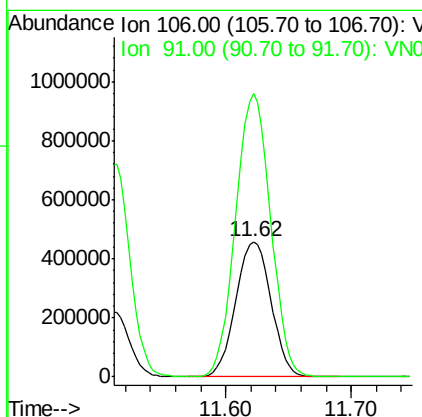
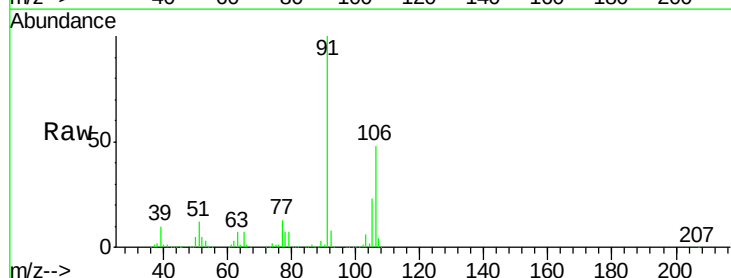
Manual Integrations
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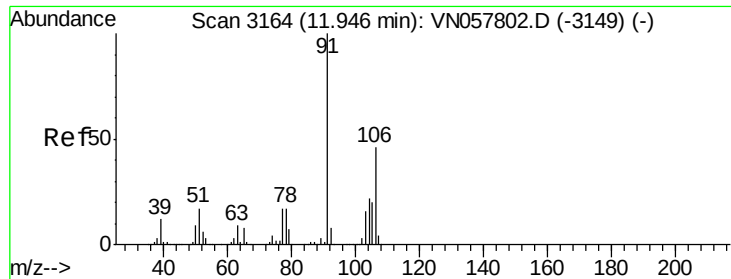
MMDadoda
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#68
m/p-Xylenes
Concen: 107.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion: 106 Resp: 895623
Ion Ratio Lower Upper
106 100
91 207.9 165.8 248.6





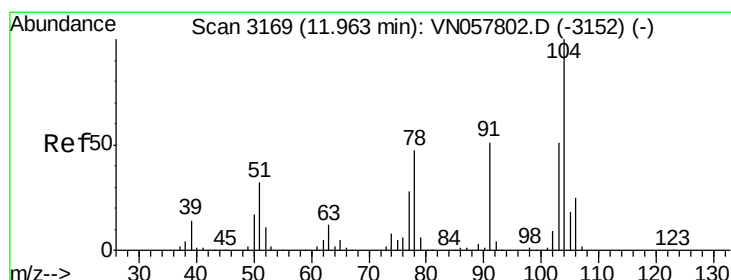
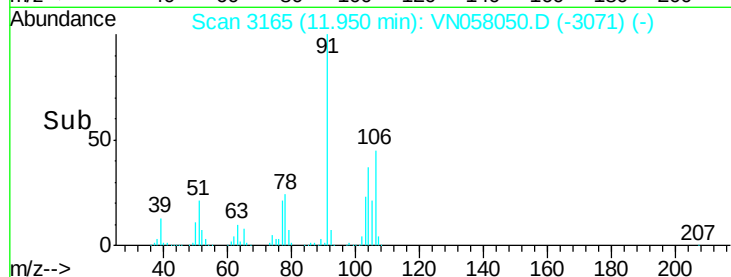
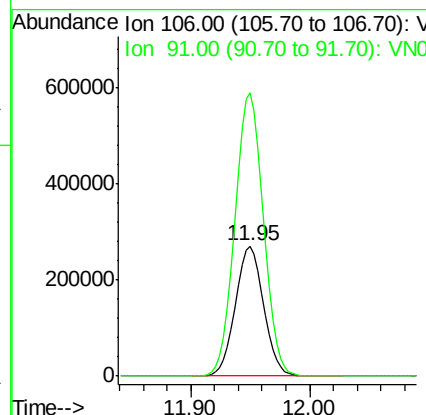
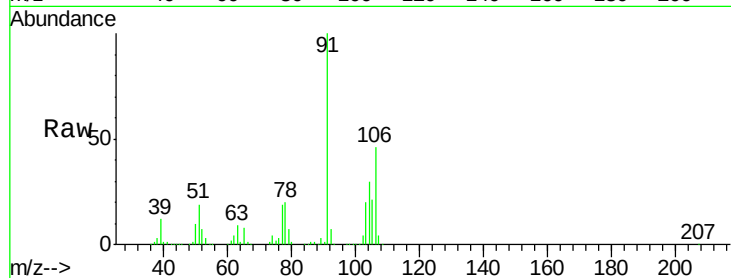
#69
o-Xylene
Concen: 54.003 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 445587
Ion Ratio Lower Upper
106 100
91 219.3 108.7 326.1

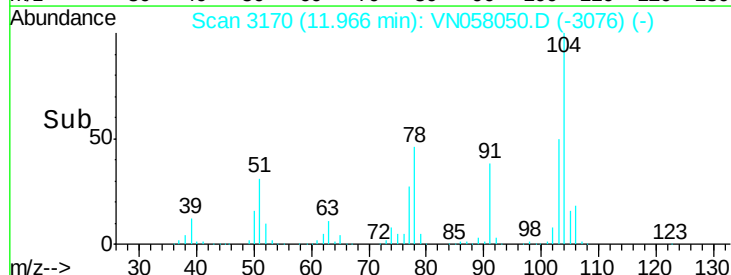
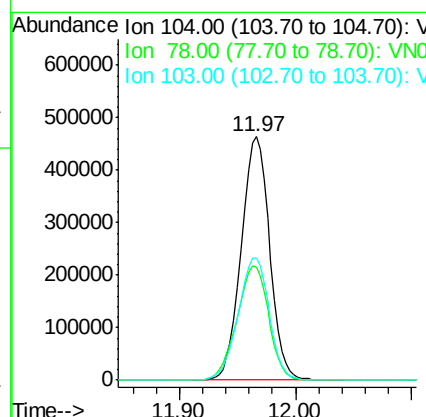
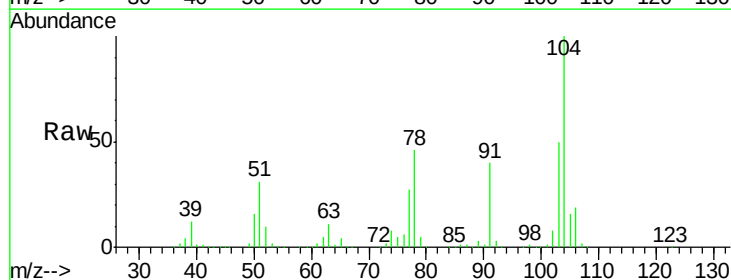
Manual Integrations
APPROVED

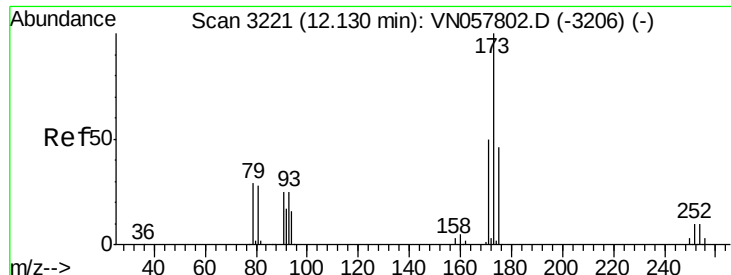
MMDadoda
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#70
Styrene
Concen: 55.414 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion:104 Resp: 786884
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 54.9 43.7 65.5





#71

Bromoform

Concen: 56.620 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 158366

Ion Ratio Lower Upper

173 100

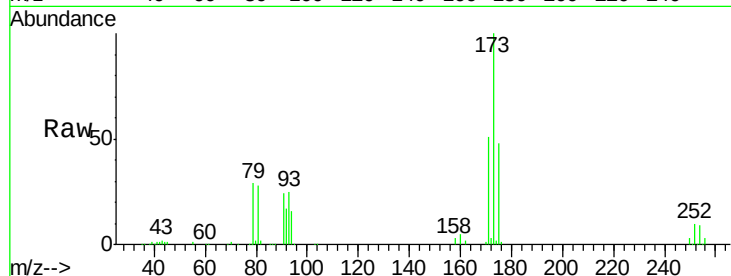
175 47.4 23.5 70.6

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

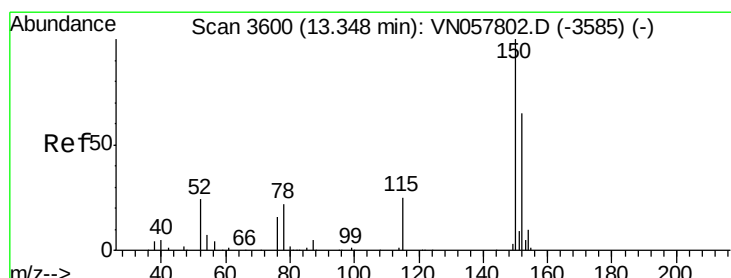
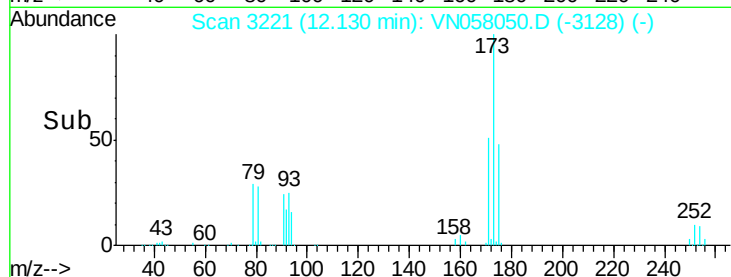
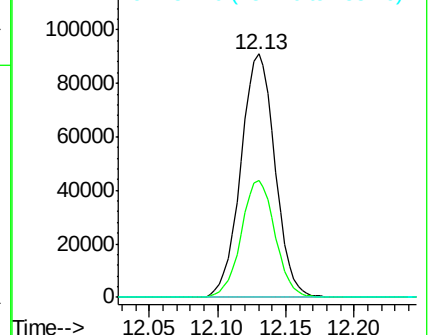
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058050.D

Acq: 14 Sep 2019 4:11

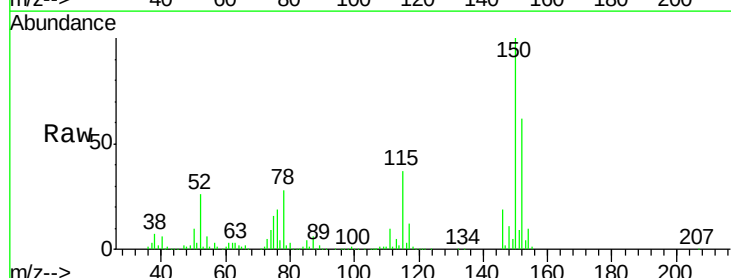
Tgt Ion:152 Resp: 305768

Ion Ratio Lower Upper

152 100

115 60.0 30.3 91.0

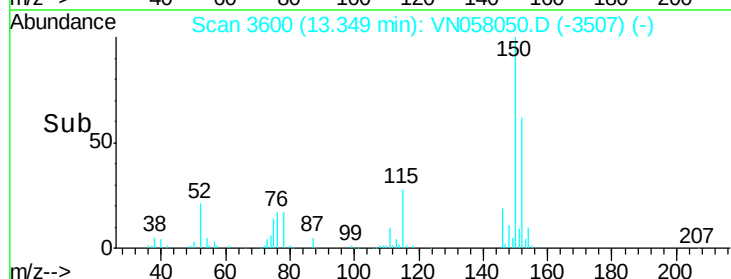
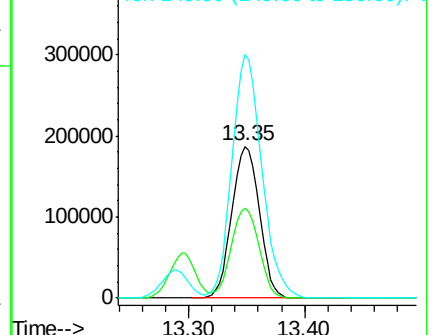
150 174.6 0.0 352.4

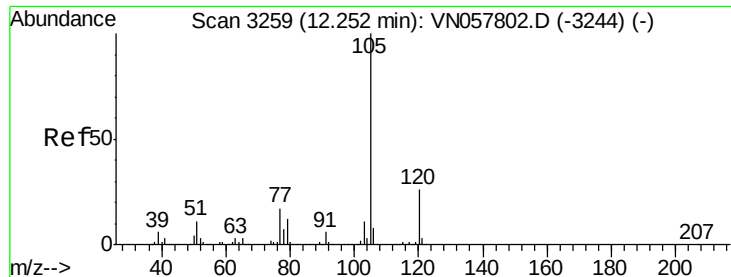


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.808 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1252963

Ion Ratio Lower Upper

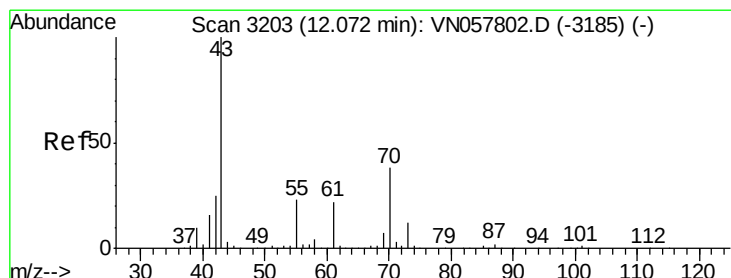
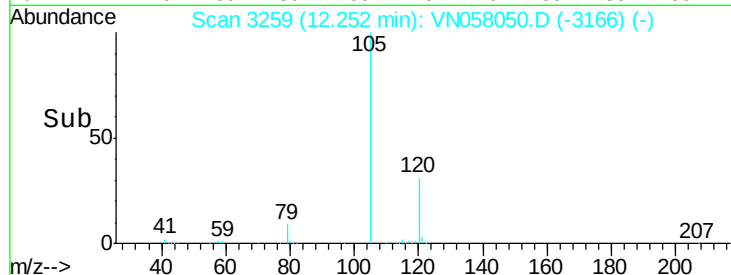
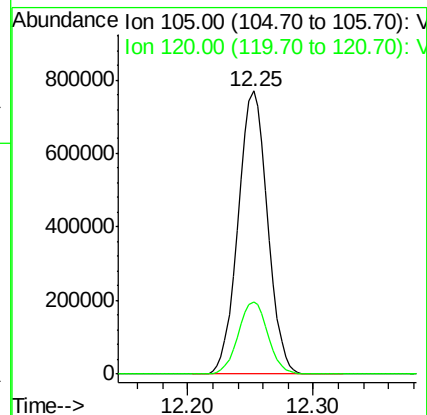
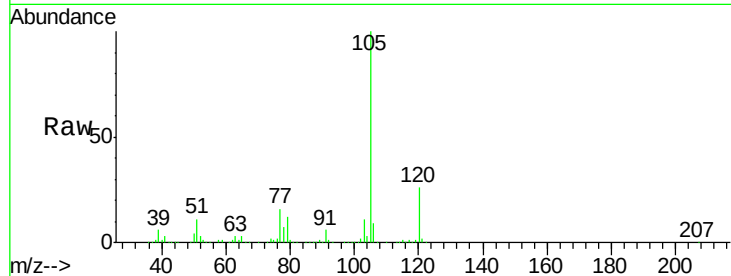
105 100

120 25.6 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.861 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Tgt Ion: 43 Resp: 525185

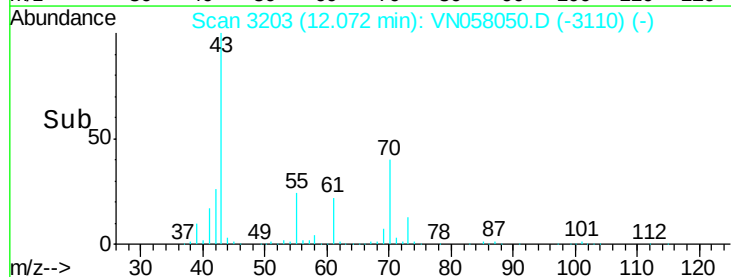
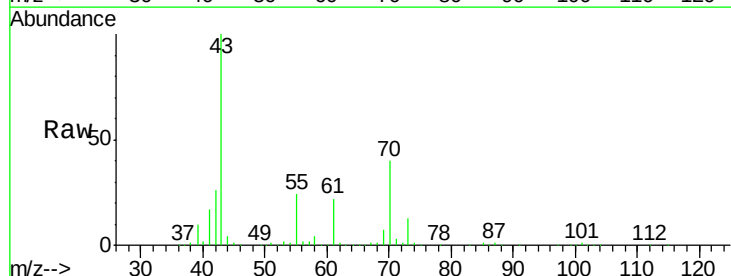
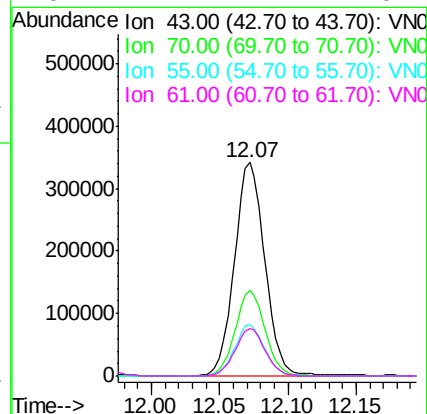
Ion Ratio Lower Upper

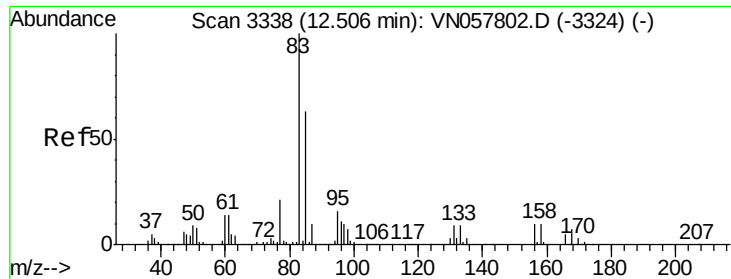
43 100

70 39.8 30.6 45.8

55 23.9 18.6 27.8

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.490 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

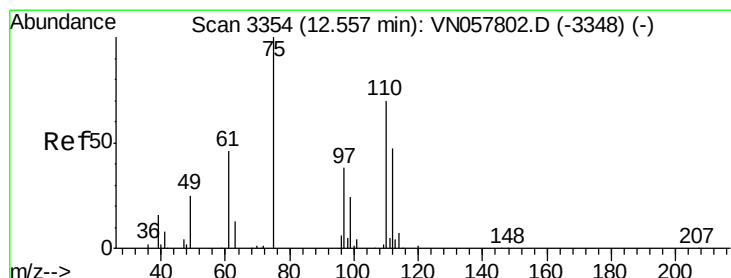
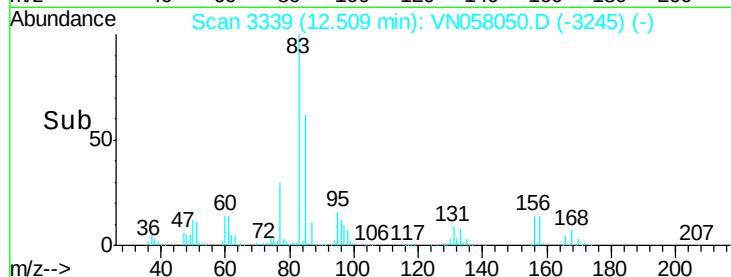
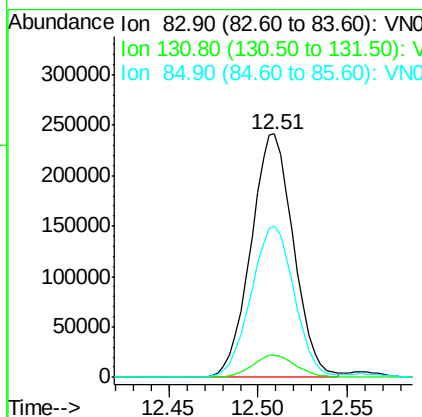
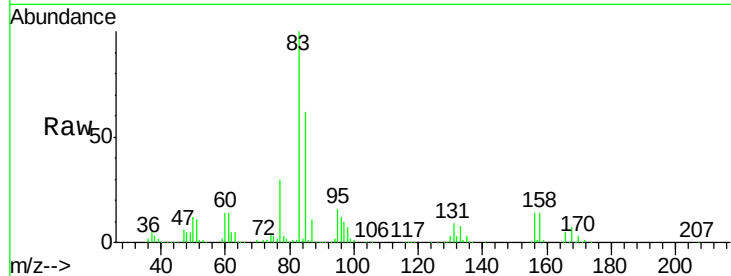
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	403351
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	62.9	31.6	94.7

Manual Integrations
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9/16/2019 2:11:16 PM



#76

1,2,3-Trichloropropane

Concen: 48.677 ug/l m

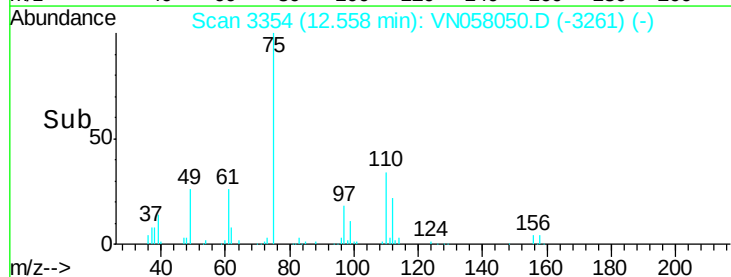
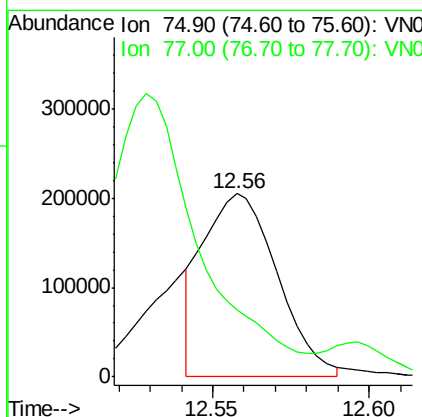
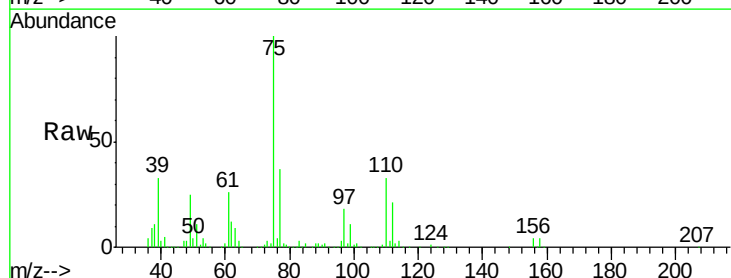
RT: 12.56 min Scan# 3354

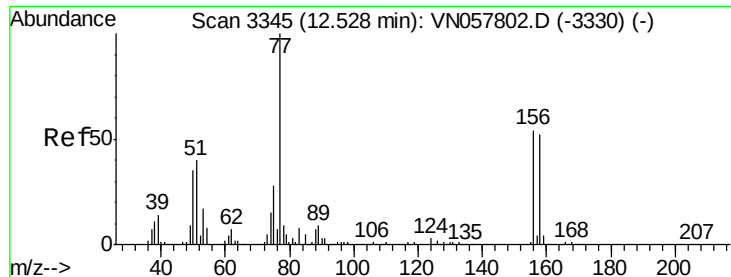
Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Tgt Ion:	75	Resp:	336701
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.742 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 288337

Ion Ratio Lower Upper

156 100

77 227.1 113.7 341.1

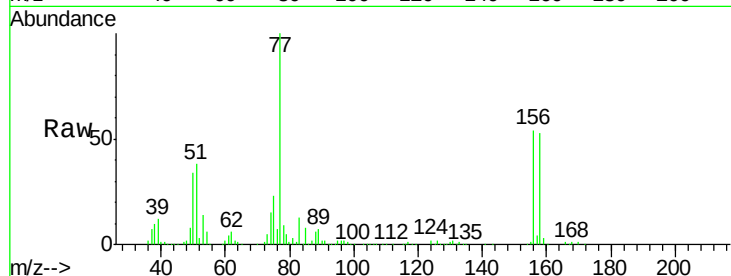
158 98.0 48.5 145.6

Manual Integrations

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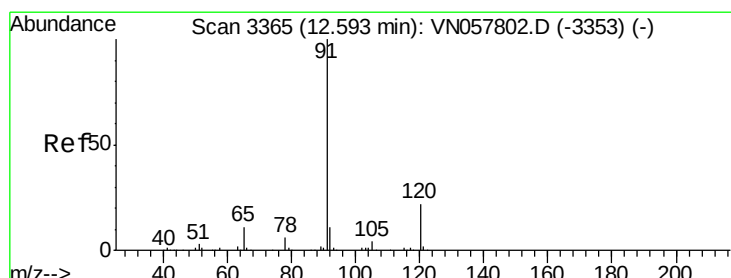
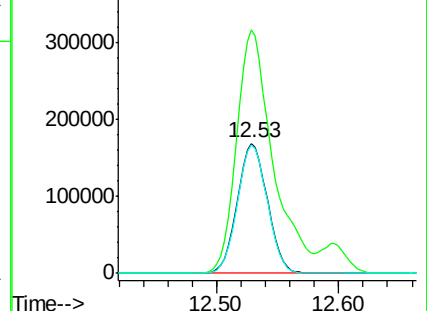
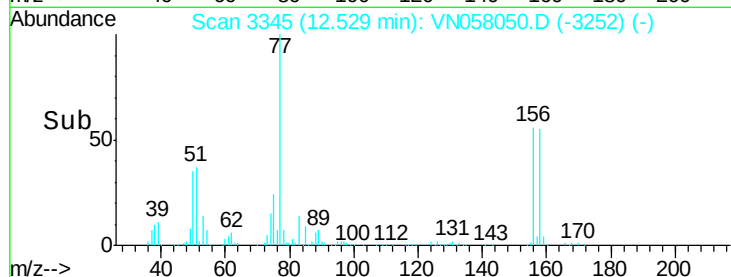
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.688 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058050.D

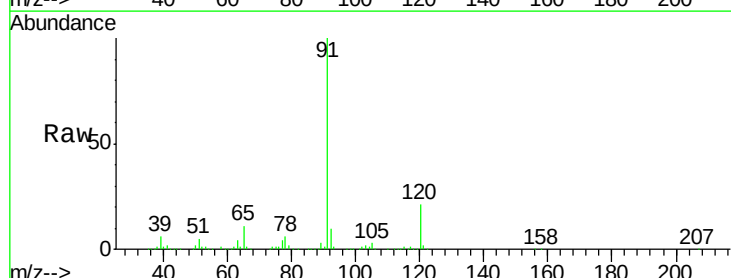
Acq: 14 Sep 2019 4:11

Tgt Ion: 91 Resp: 1462755

Ion Ratio Lower Upper

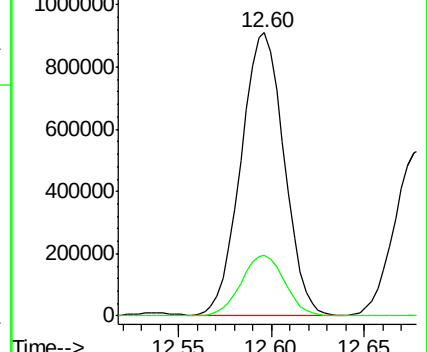
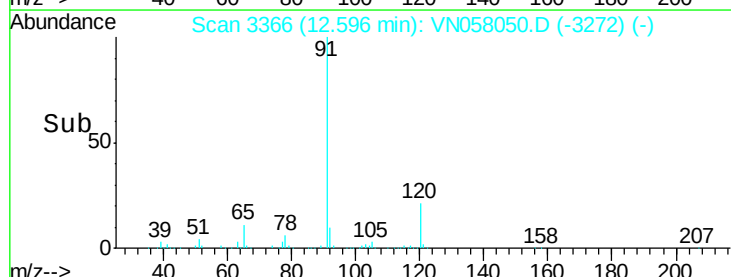
91 100

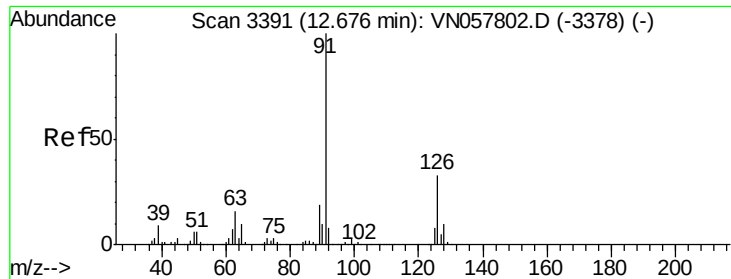
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.743 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058050.D

Acq: 14 Sep 2019 4:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 873802

Ion Ratio Lower Upper

91 100

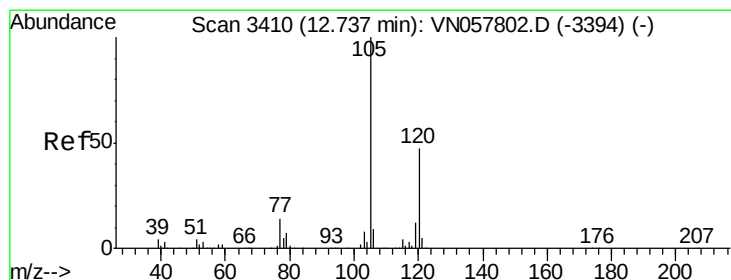
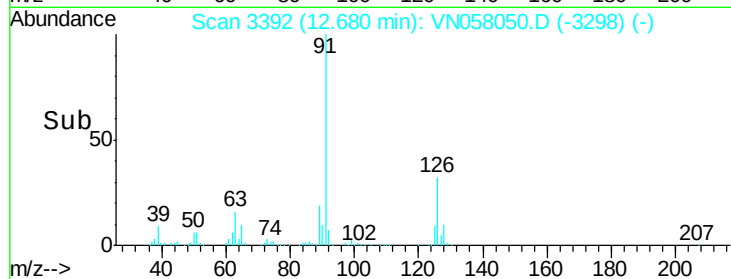
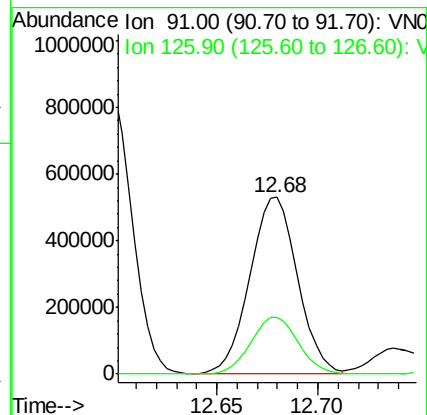
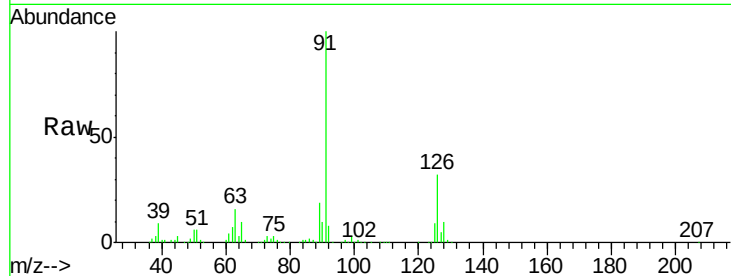
126 32.4 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.981 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058050.D

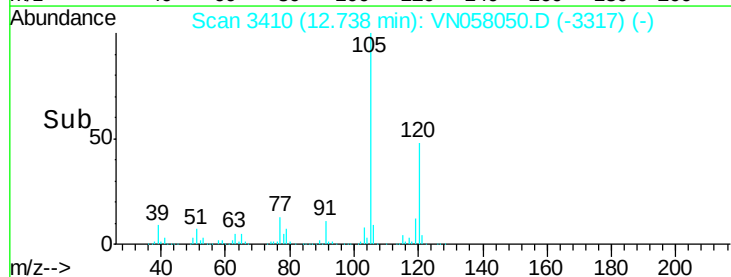
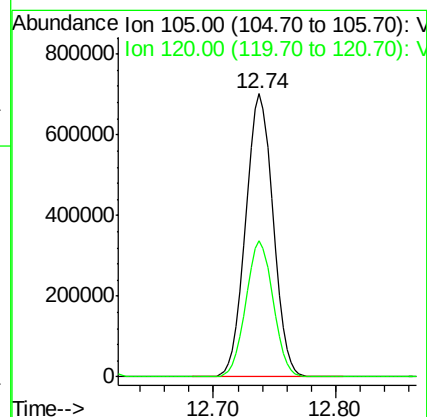
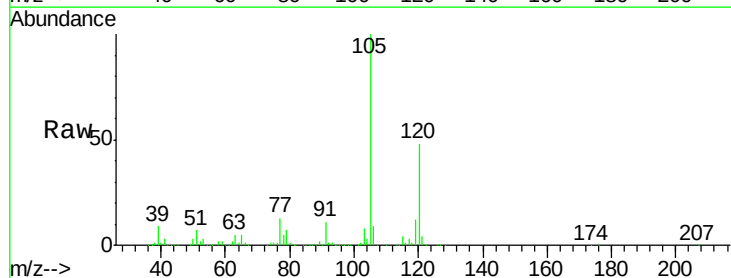
Acq: 14 Sep 2019 4:11

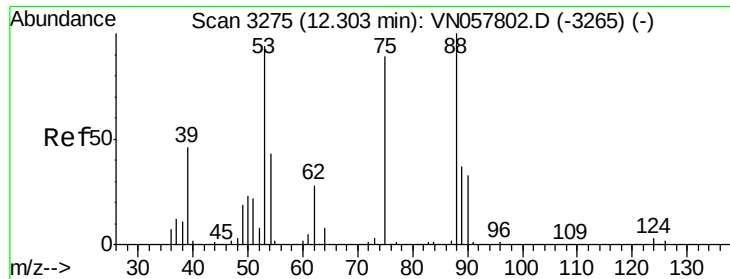
Tgt Ion: 105 Resp: 1082195

Ion Ratio Lower Upper

105 100

120 47.7 23.7 71.1





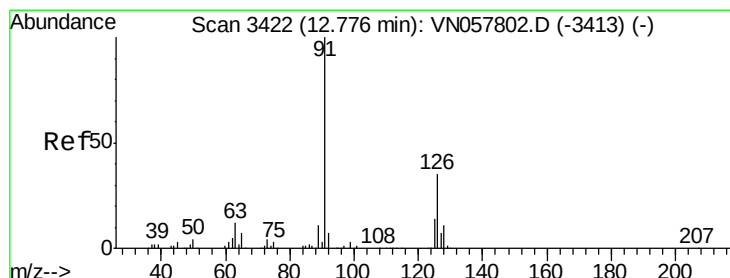
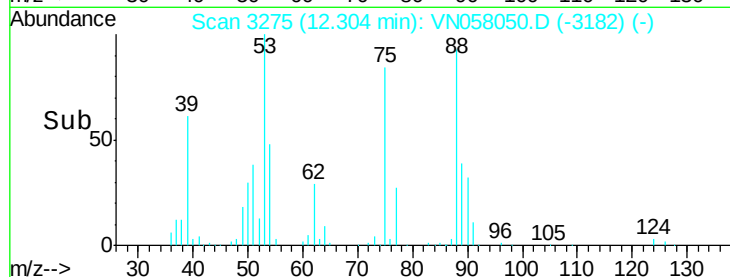
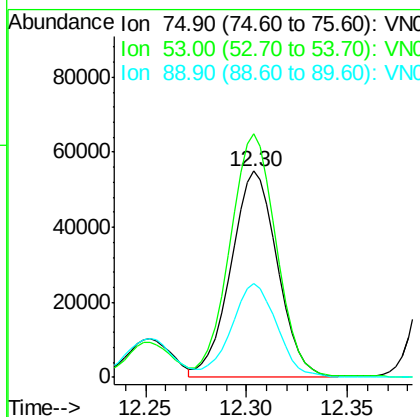
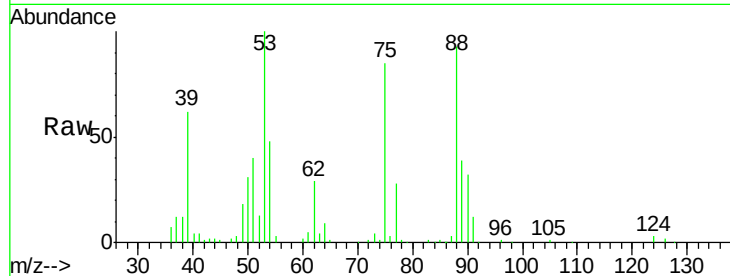
#81
trans-1,4-Dichloro-2-butene
Concen: 45.048 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.2	88.4	132.6
89	44.6	35.3	52.9

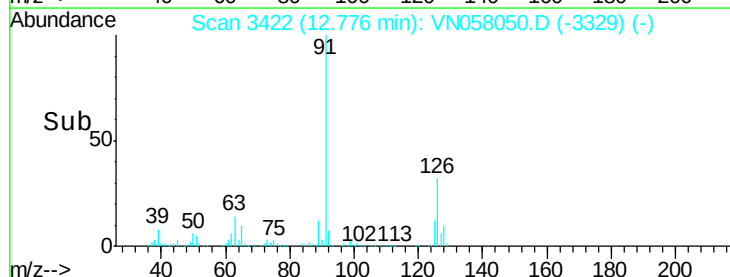
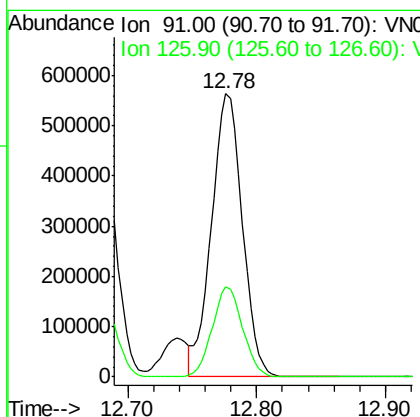
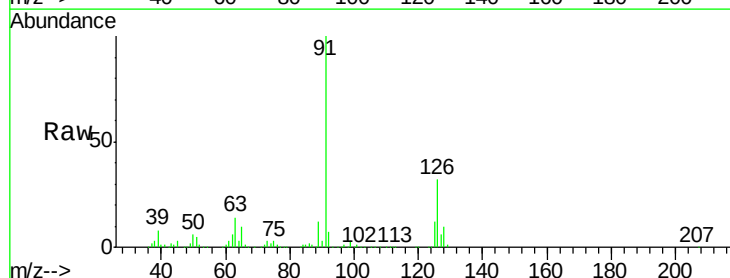
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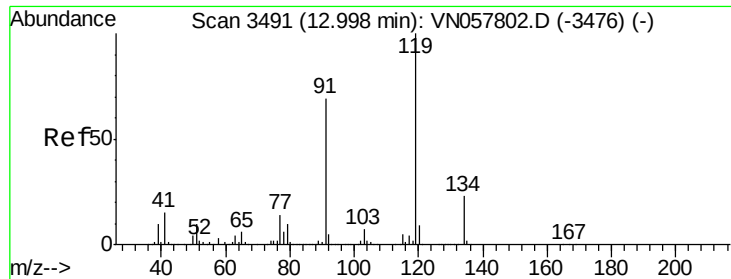
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.760 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.0	48.0





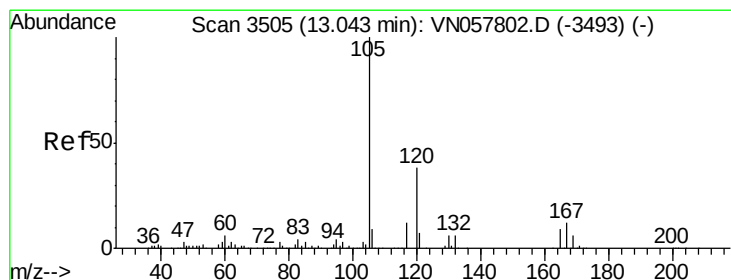
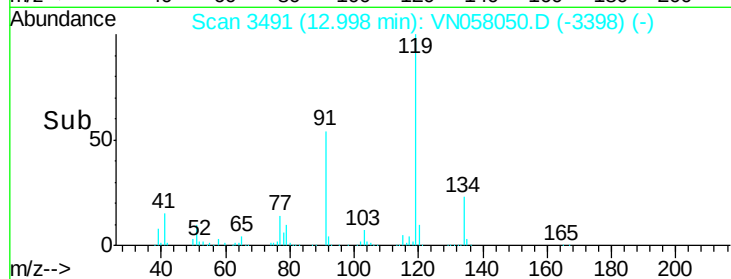
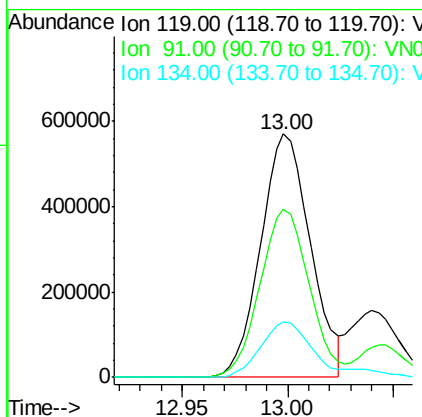
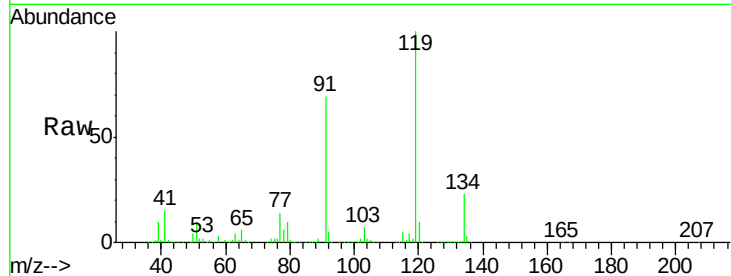
#83
 tert-Butylbenzene
 Concen: 52.585 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.6	100.8
134	23.1	11.7	35.0

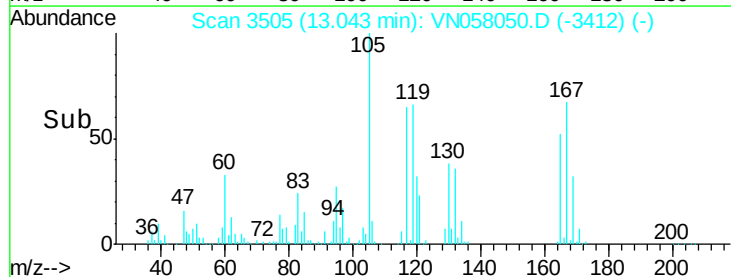
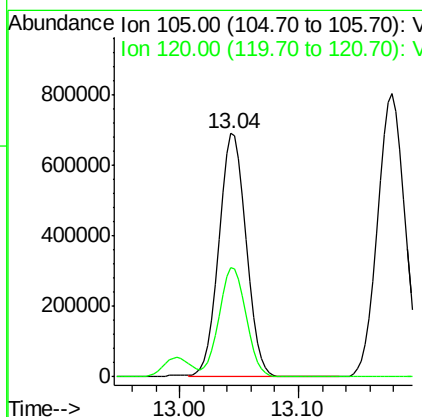
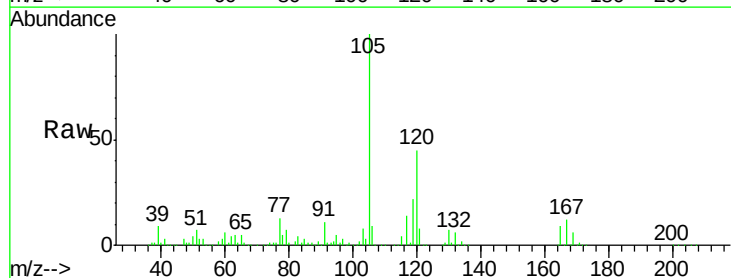
Manual Integrations
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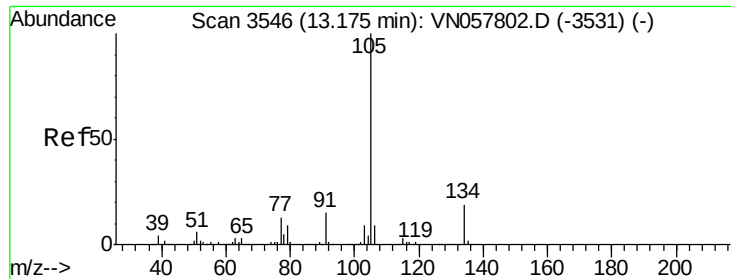
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.753 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.2





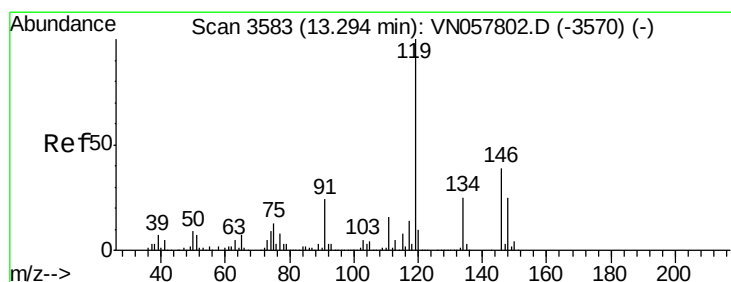
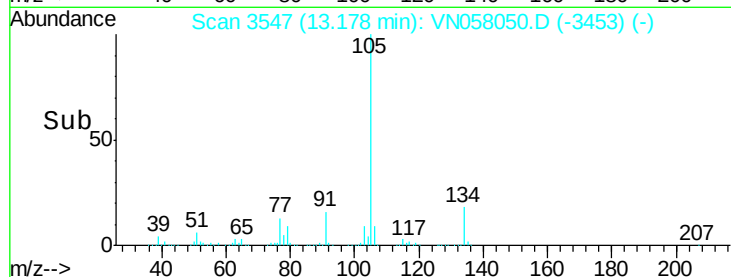
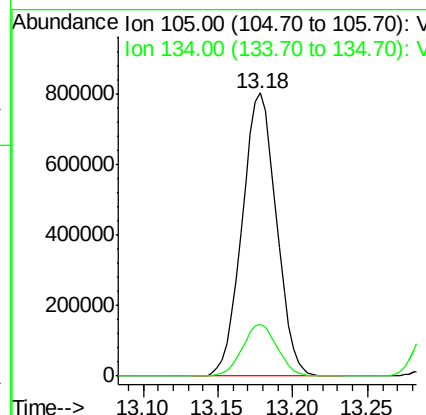
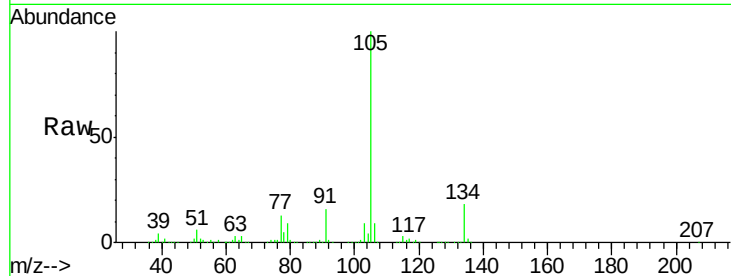
#85
 sec-Butylbenzene
 Concen: 54.105 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1277934
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6

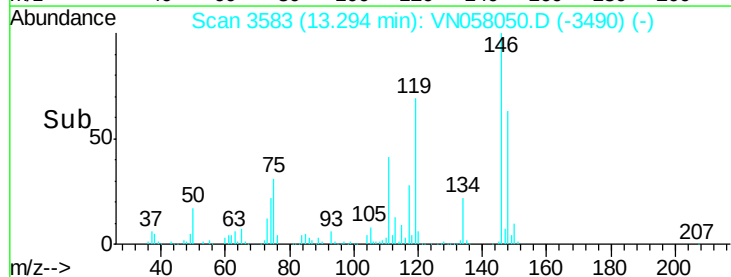
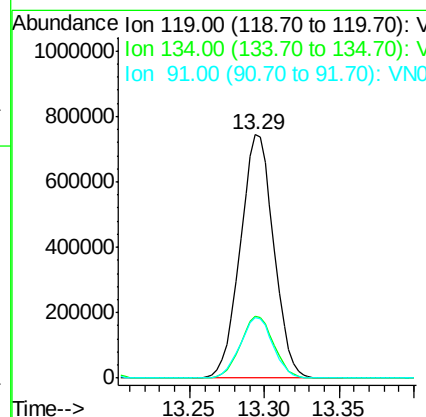
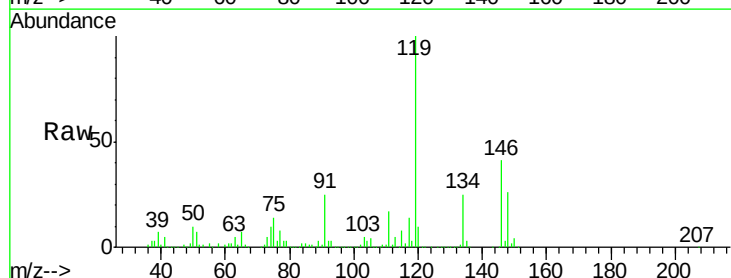
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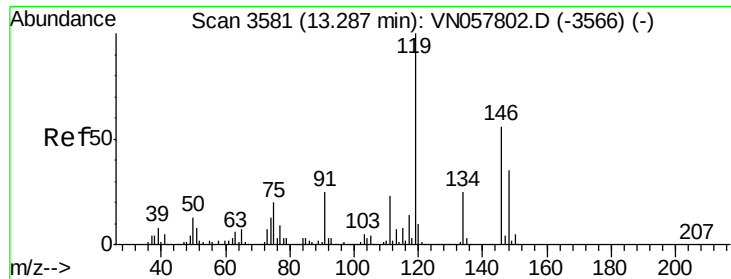
MMDadoda
 9/16/2019 2:11:16 PM



#86
 p-Isopropyltoluene
 Concen: 55.442 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion:119 Resp: 1153821
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 24.4 12.3 36.8





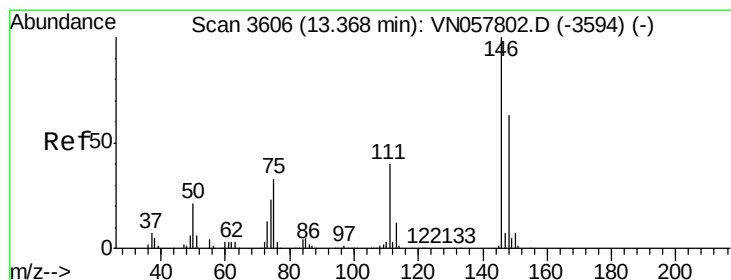
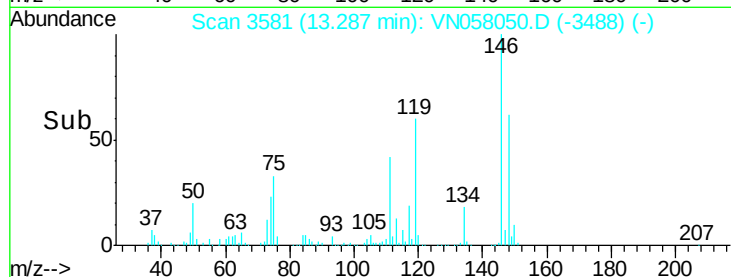
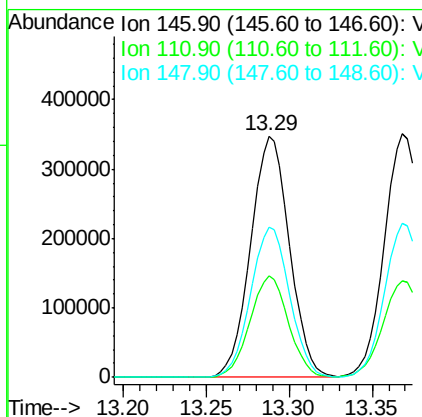
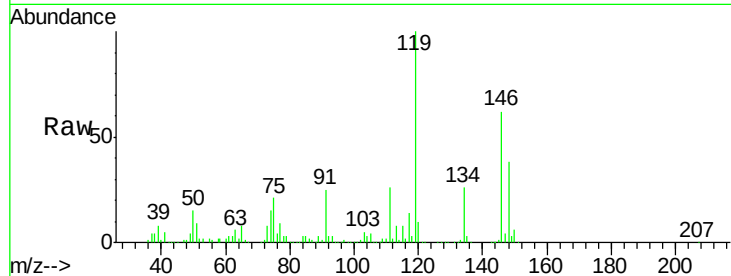
#87
 1,3-Dichlorobenzene
 Concen: 52.247 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	567305		
111	41.7	20.5	61.6	
148	62.7	31.5	94.5	

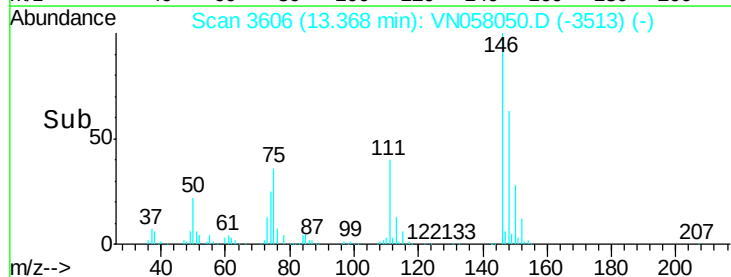
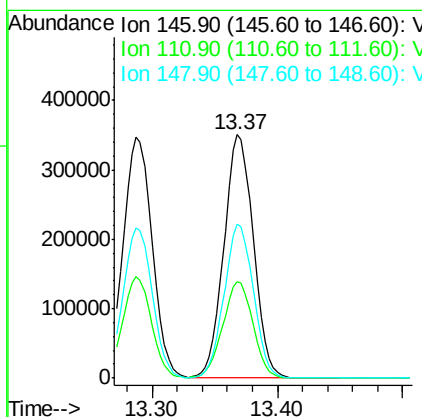
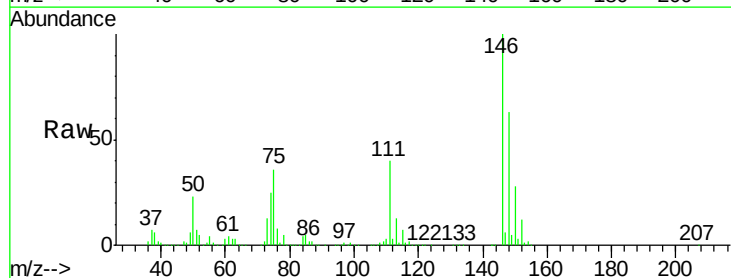
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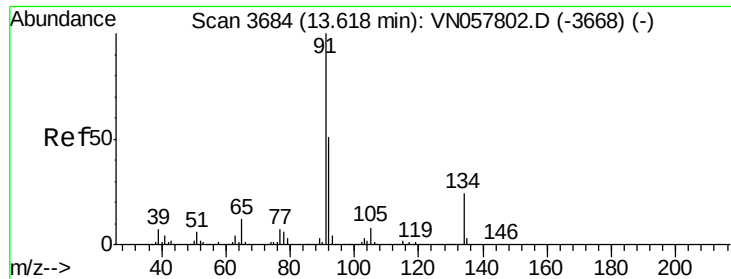
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#88
 1,4-Dichlorobenzene
 Concen: 51.815 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	571084		
111	40.4	20.4	61.2	
148	62.6	31.8	95.4	





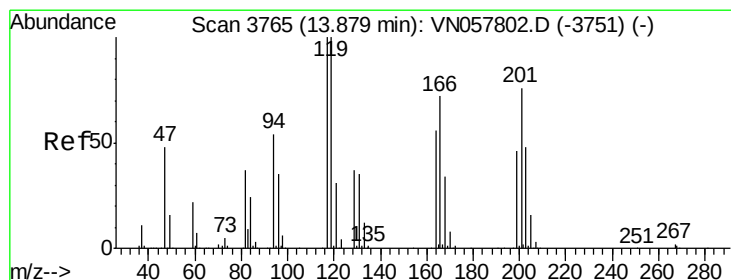
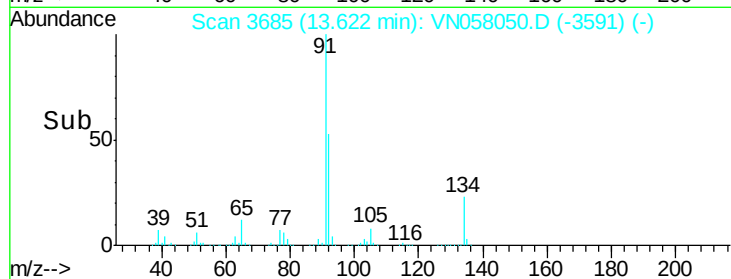
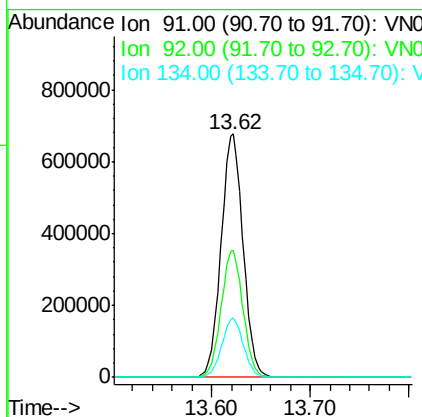
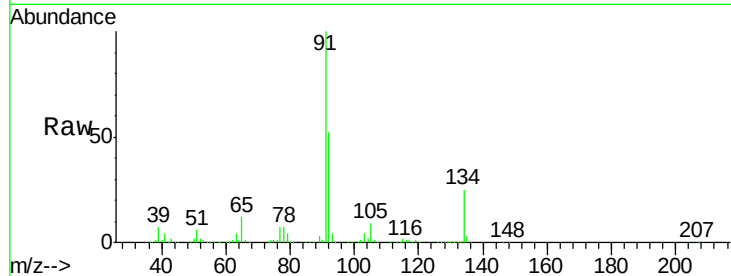
#89
n-Butylbenzene
Concen: 53.991 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1061099
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.0
134 24.0 11.9 35.7

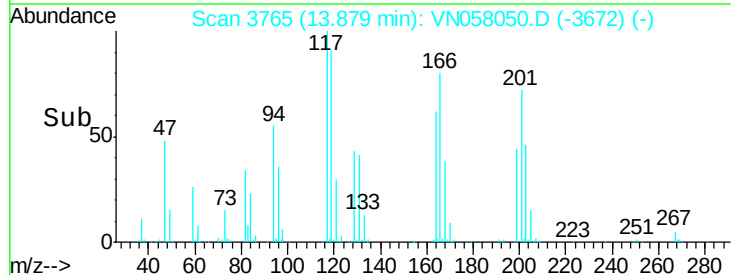
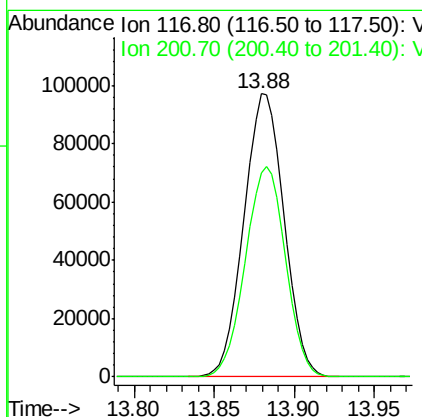
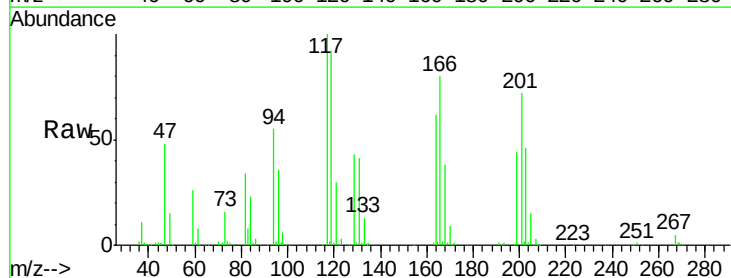
Manual Integrations
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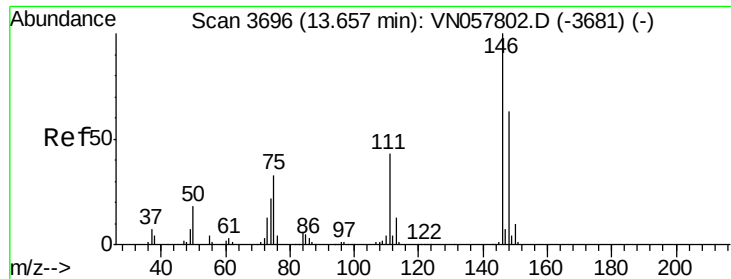
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#90
Hexachloroethane
Concen: 53.931 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion: 117 Resp: 166921
Ion Ratio Lower Upper
117 100
201 74.2 37.5 112.7





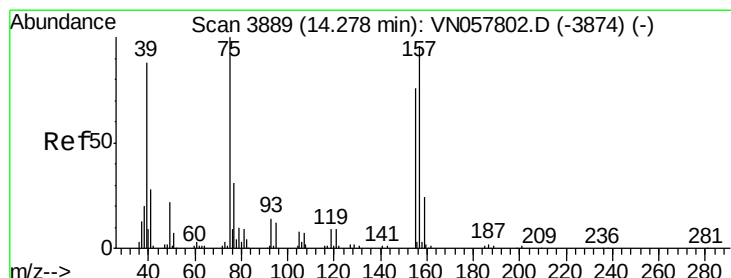
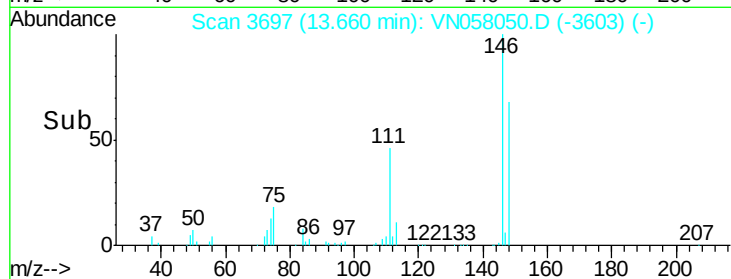
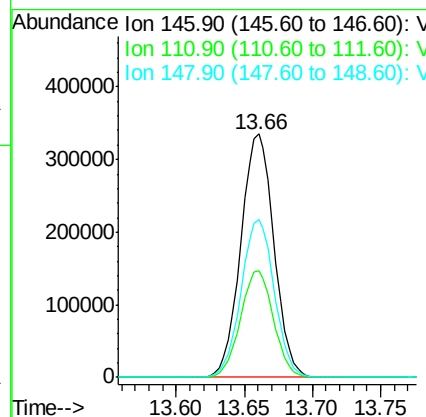
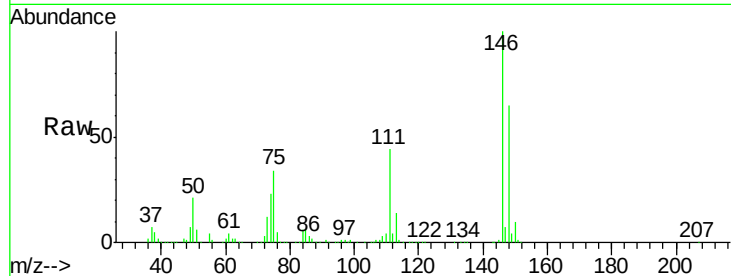
#91
 1,2-Dichlorobenzene
 Concen: 52.096 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	565115		
111	43.6	21.3	63.9	
148	64.9	31.4	94.3	

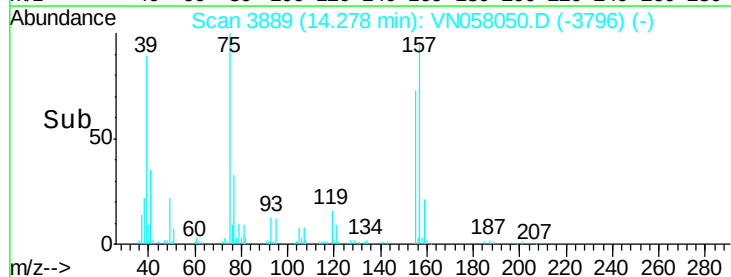
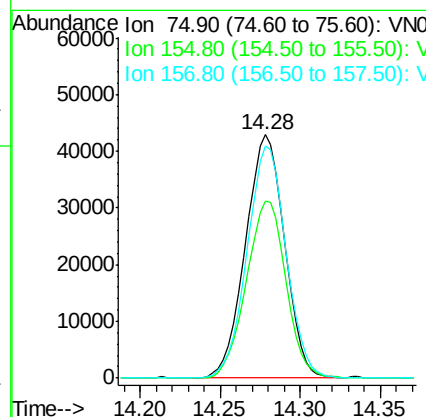
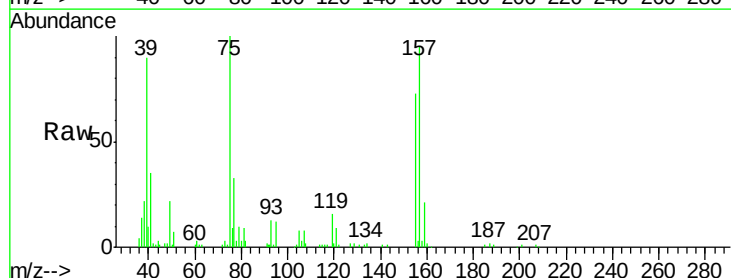
Manual Integrations
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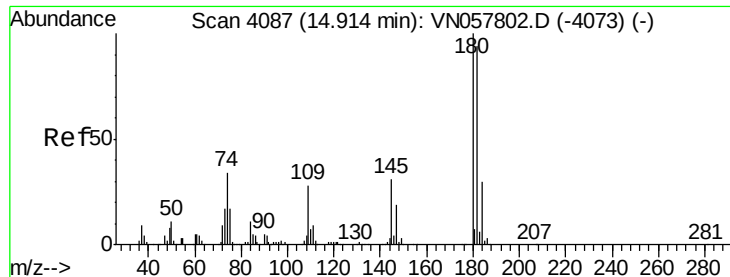
MMDadoda
 9/16/2019 2:11:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.371 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71731		
155	73.5	37.3	111.8	
157	95.1	47.9	143.8	





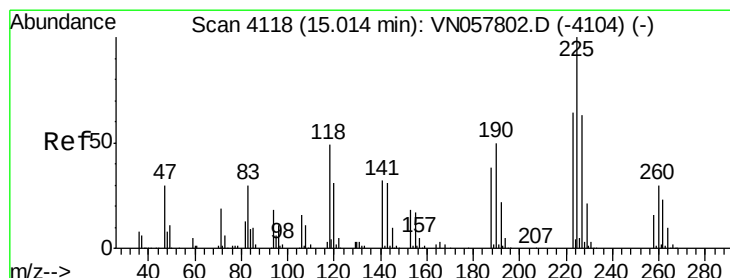
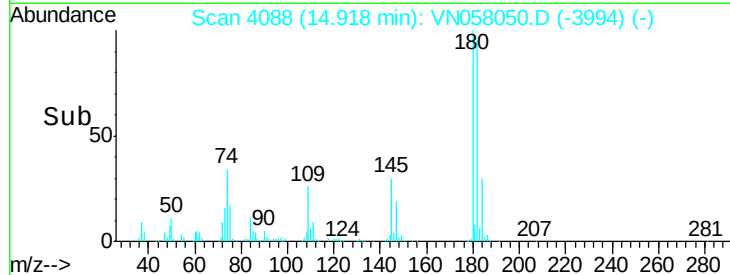
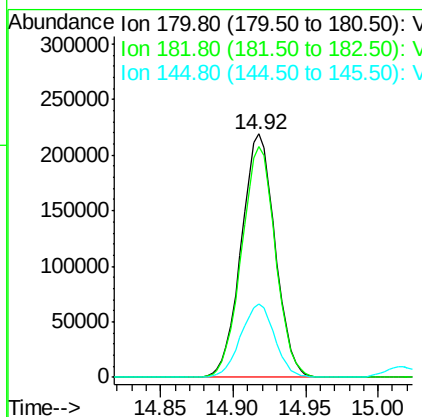
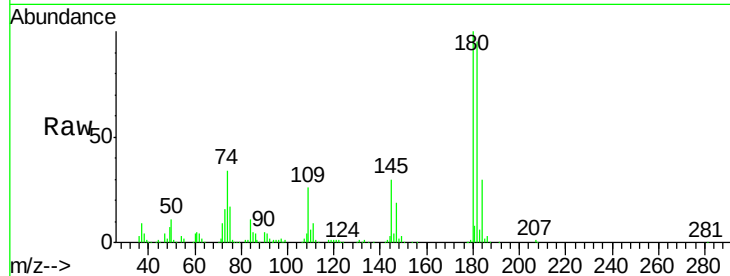
#93
 1,2,4-Trichlorobenzene
 Concen: 50.072 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	46.9	140.8
145	30.2	14.9	44.7

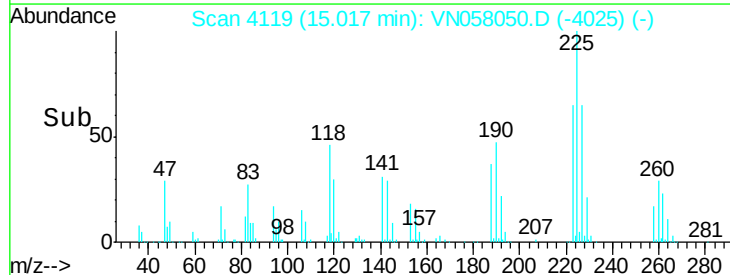
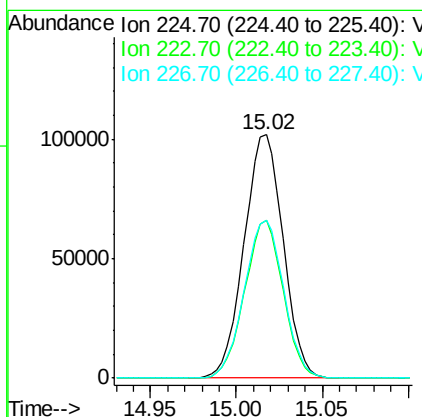
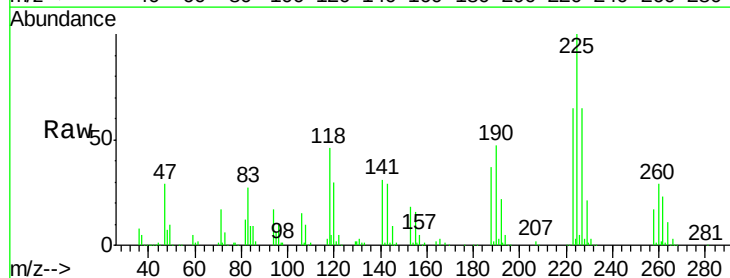
Manual Integrations
 APPROVED

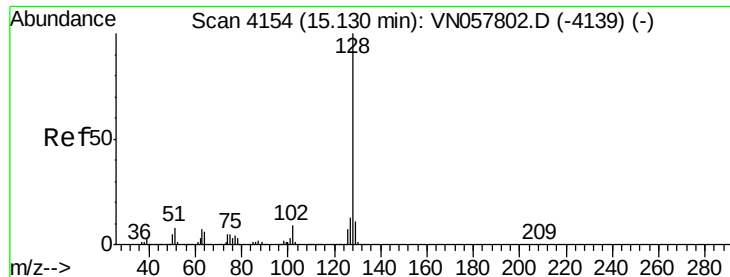
MMDadoda
 9/16/2019 2:11:16 PM



#94
 Hexachlorobutadiene
 Concen: 53.455 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058050.D
 Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.5	32.4	97.2
227	65.2	31.8	95.4





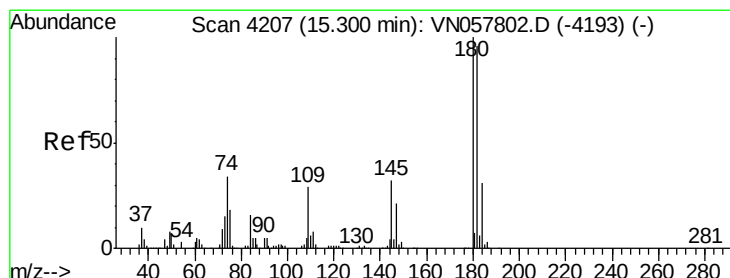
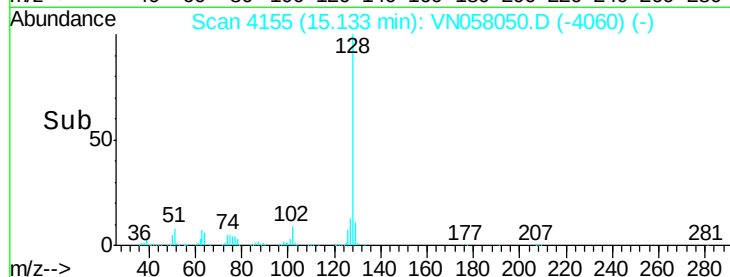
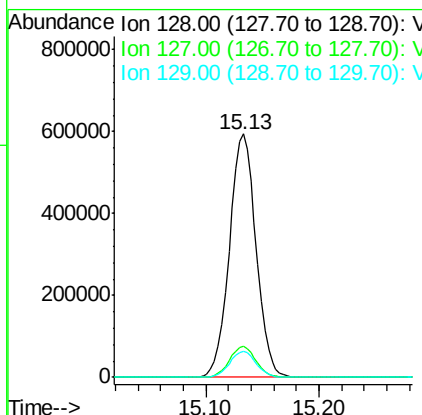
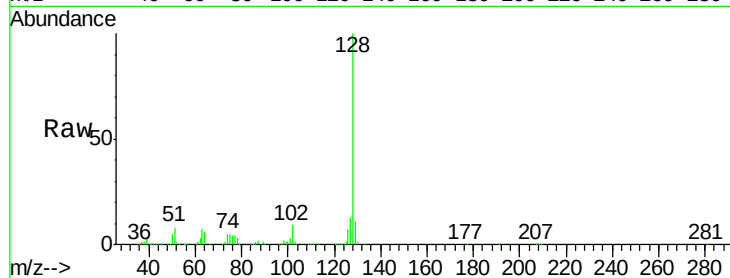
#95
Naphthalene
Concen: 54.376 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	970851		
127	12.8		10.3	15.5
129	10.6		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.441 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058050.D
Acq: 14 Sep 2019 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	337540		
182	95.5		48.3	144.8
145	31.8		16.3	48.8

