

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN058001.D
 Acq On : 13 Sep 2019 3:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:03:48 PM

Quant Time: Sep 13 07:00:48 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	305543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333475	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.58	113	237837	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.09	98	957858	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.41	95	347969	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	209337	49.541	ug/l	98
3) Chloromethane	2.04	50	175722	40.802	ug/l	97
4) Vinyl Chloride	2.17	62	187543	41.145	ug/l	99
5) Bromomethane	2.54	94	99608	39.446	ug/l	98
6) Chloroethane	2.68	64	121620	41.873	ug/l	98
7) Trichlorofluoromethane	3.00	101	246328	42.943	ug/l	99
8) Diethyl Ether	3.39	74	114781	47.977	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	177623	49.087	ug/l	98
10) Methyl Iodide	3.93	142	176661	43.872	ug/l	99
11) Tert butyl alcohol	4.76	59	191016	255.025	ug/l	100
12) 1,1-Dichloroethene	3.72	96	147327	45.283	ug/l	95
13) Acrolein	3.59	56	33143	52.156	ug/l	99
14) Allyl chloride	4.30	41	258405	40.585	ug/l	91
15) Acrylonitrile	4.96	53	540829	262.701	ug/l	100
16) Acetone	3.79	43	458969	226.236	ug/l	99
17) Carbon Disulfide	4.03	76	207206	40.949	ug/l	100
18) Methyl Acetate	4.30	43	295836	54.692	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	693893	51.248	ug/l	99
20) Methylene Chloride	4.53	84	204743	53.089	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	165259	46.988	ug/l	96
22) Diisopropyl ether	5.93	45	765360	51.258	ug/l	99
23) Vinyl Acetate	5.87	43	2794313	264.064	ug/l	100
24) 1,1-Dichloroethane	5.83	63	410895	50.352	ug/l	99
25) 2-Butanone	6.82	43	740488	252.187	ug/l	100
26) 2,2-Dichloropropane	6.81	77	217872	33.737	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	230771	48.962	ug/l	98
28) Bromochloromethane	7.18	49	211699	51.927	ug/l	97
29) Tetrahydrofuran	7.19	42	479543	265.038	ug/l	99
30) Chloroform	7.36	83	432882	50.734	ug/l	98
31) Cyclohexane	7.64	56	281005	50.556	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	341731	50.499	ug/l	99
36) 1,1-Dichloropropene	7.78	75	269095	45.801	ug/l	99
37) Ethyl Acetate	6.91	43	304350	50.138	ug/l	100
38) Carbon Tetrachloride	7.76	117	265382	49.474	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275608	44.624	ug/l	98
40) Benzene	8.03	78	861202	48.687	ug/l	99
41) Methacrylonitrile	7.19	41	457133	165.899	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	356553	50.402	ug/l	99
43) Isopropyl Acetate	8.15	43	556854	54.550	ug/l #	89
44) Trichloroethene	8.83	130	205845	47.446	ug/l	98
45) 1,2-Dichloropropane	9.11	63	259986	50.512	ug/l	100
46) Dibromomethane	9.20	93	159370	51.240	ug/l	99
47) Bromodichloromethane	9.40	83	324674	52.275	ug/l	99
48) Methyl methacrylate	9.19	41	260345	50.276	ug/l	99
49) 1,4-Dioxane	9.19	88	85244	973.448	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1664055	275.464	ug/l	100
52) Toluene	10.15	92	545481	48.962	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	322700	49.339	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	350073	48.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	244200	51.747	ug/l	98
56) Ethyl methacrylate	10.43	69	357934	50.367	ug/l	98
57) 1,3-Dichloropropane	10.71	76	414741	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817621	244.276	ug/l	100
59) 2-Hexanone	10.75	43	1184710	261.647	ug/l	100
60) Dibromochloromethane	10.90	129	230286	52.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229170	51.366	ug/l	99
64) Tetrachloroethene	10.63	164	175511	48.955	ug/l	96
65) Chlorobenzene	11.43	112	622962	49.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	226786	51.432	ug/l	100
67) Ethyl Benzene	11.51	91	1109485	49.818	ug/l	99
68) m/p-Xylenes	11.62	106	822408	100.814	ug/l	99
69) o-Xylene	11.95	106	402104	49.581	ug/l	96
70) Styrene	11.97	104	719206	51.530	ug/l	99
71) Bromoform	12.13	173	143619	52.242	ug/l #	98
73) Isopropylbenzene	12.25	105	1139662	49.590	ug/l	100
74) N-amyl acetate	12.07	43	491886	49.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	374622	48.413	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	314689m	46.969	ug/l	
77) Bromobenzene	12.53	156	265091	46.265	ug/l	98
78) n-propylbenzene	12.60	91	1330546	50.418	ug/l	100
79) 2-Chlorotoluene	12.68	91	794221	47.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	964558	49.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80224	42.137	ug/l	93
82) 4-Chlorotoluene	12.78	91	818255	47.771	ug/l	98
83) tert-Butylbenzene	13.00	119	845621	48.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	990168	50.171	ug/l	98
85) sec-Butylbenzene	13.18	105	1153105	50.402	ug/l	100
86) p-Isopropyltoluene	13.29	119	1027916	50.993	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	509632	48.457	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	500719	46.903	ug/l	100
89) n-Butylbenzene	13.62	91	927744	48.735	ug/l	100
90) Hexachloroethane	13.88	117	147753	49.285	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	515631	49.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	67121	52.525	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	309128	45.012	ug/l	99
94) Hexachlorobutadiene	15.01	225	139751	48.004	ug/l	99
95) Naphthalene	15.13	128	878614	50.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294967	49.214	ug/l	99

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

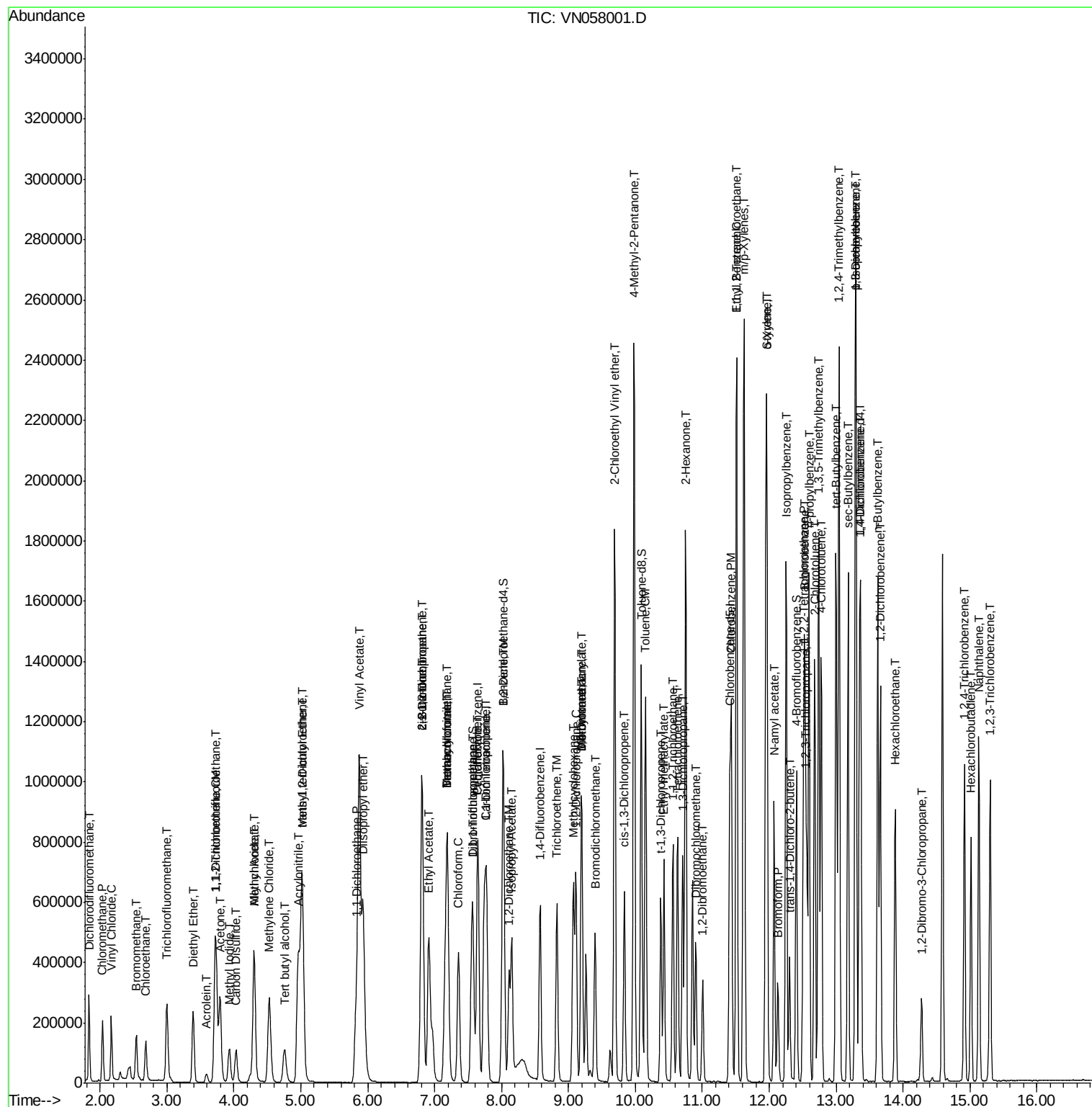
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
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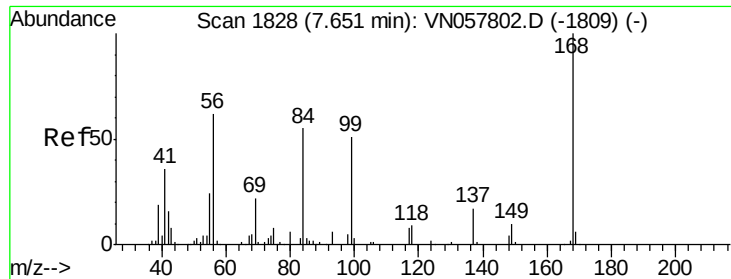
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 305543

Ion Ratio Lower Upper

168 100

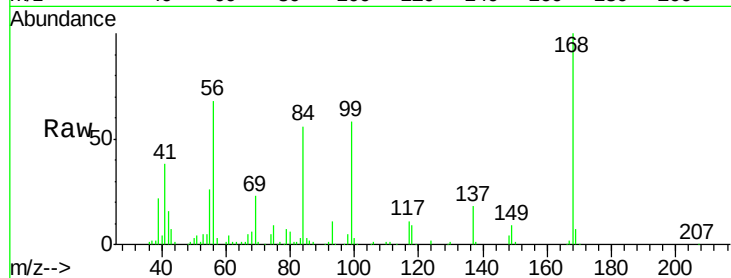
99 57.7 48.0 72.0

Manual Integrations

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9/13/2019 1:03:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

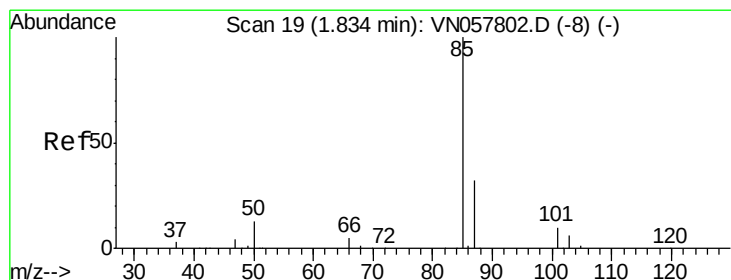
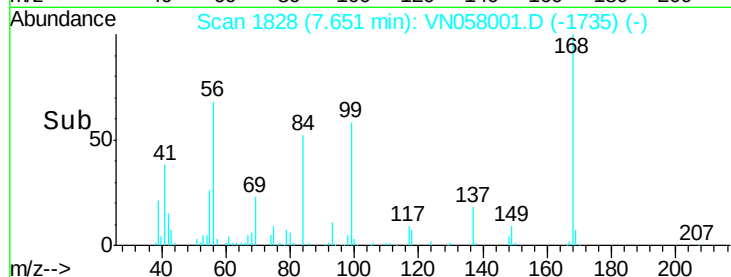
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.541 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058001.D

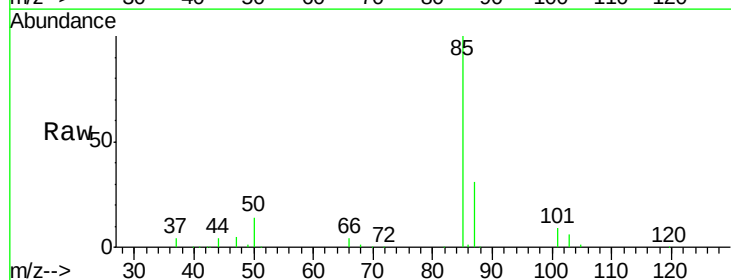
Acq: 13 Sep 2019 3:27

Tgt Ion: 85 Resp: 209337

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

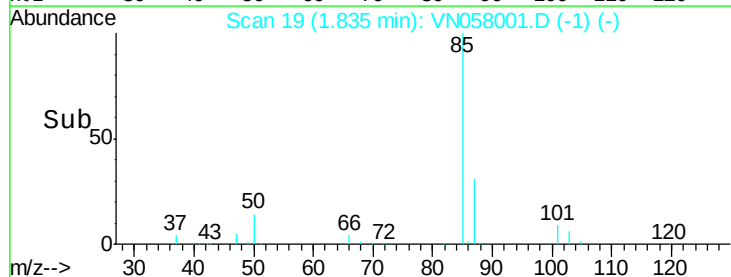
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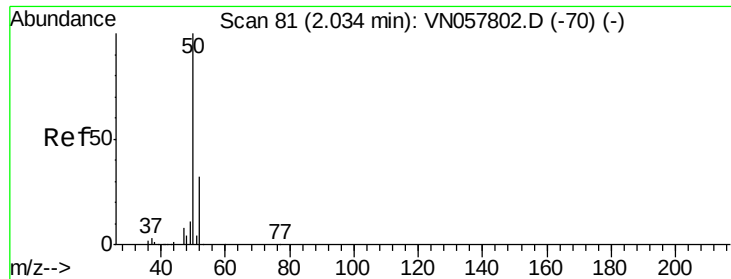
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.802 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 175722

Ion Ratio Lower Upper

50 100

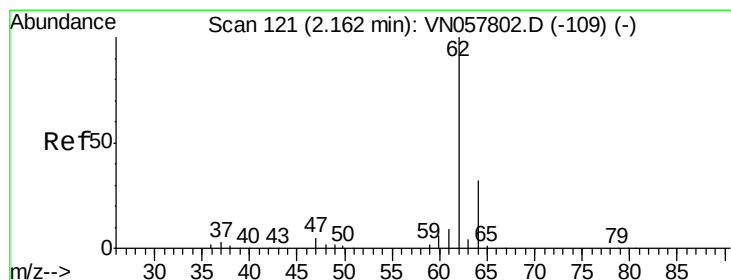
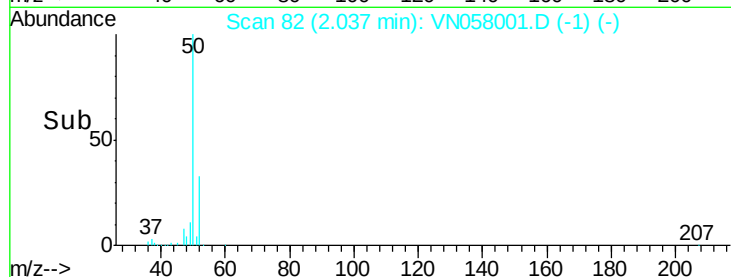
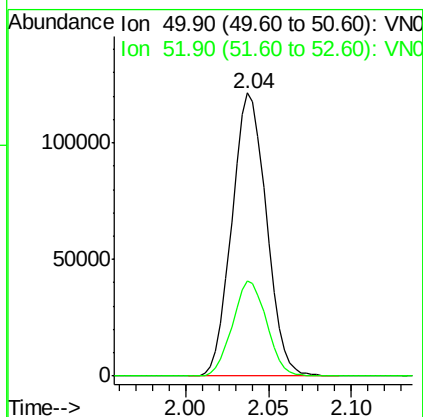
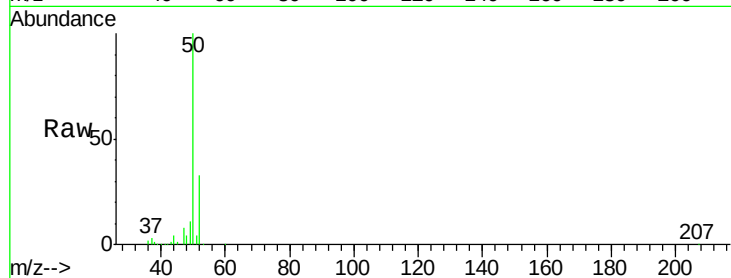
52 33.4 25.5 38.3

Manual Integrations

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9/13/2019 1:03:48 PM



#4

Vinyl Chloride

Concen: 41.145 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058001.D

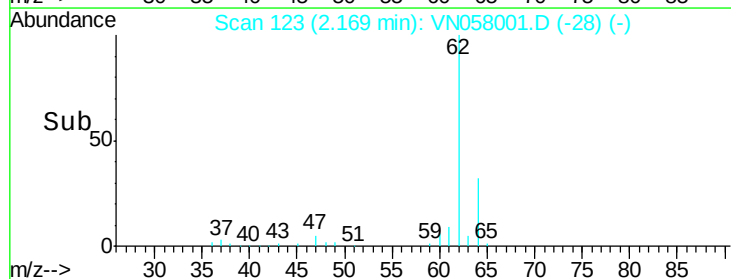
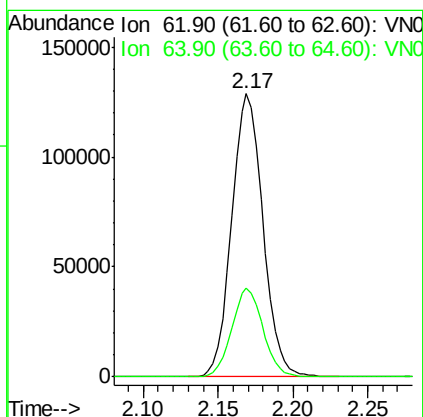
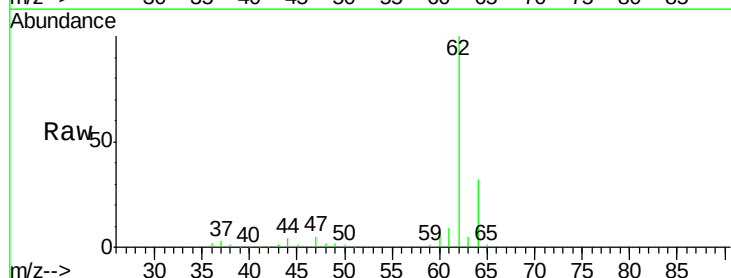
Acq: 13 Sep 2019 3:27

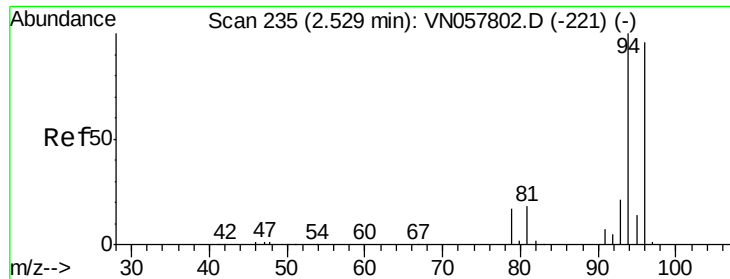
Tgt Ion: 62 Resp: 187543

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 39.446 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 99608

Ion Ratio Lower Upper

94 100

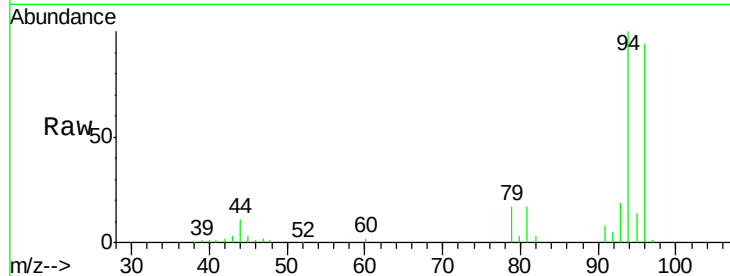
96 94.5 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

60000

50000

40000

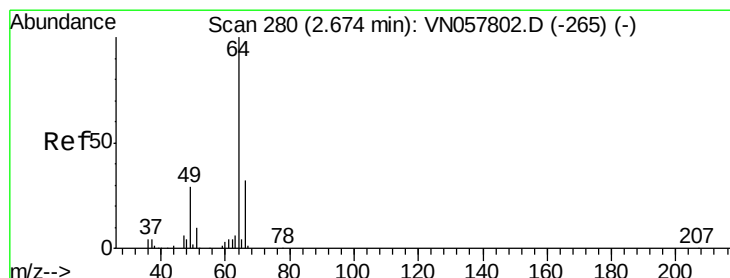
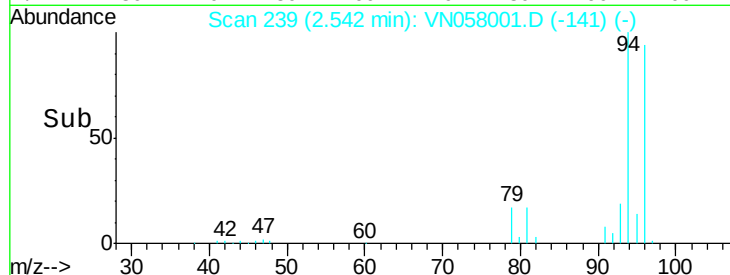
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 41.873 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058001.D

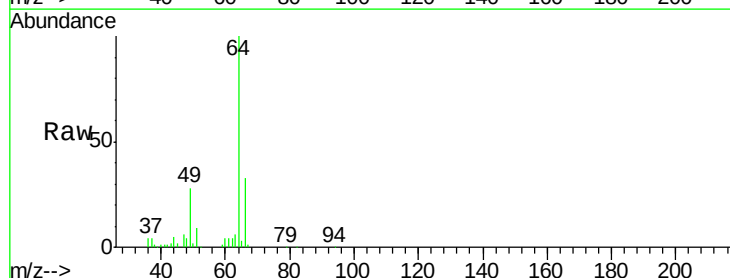
Acq: 13 Sep 2019 3:27

Tgt Ion: 64 Resp: 121620

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

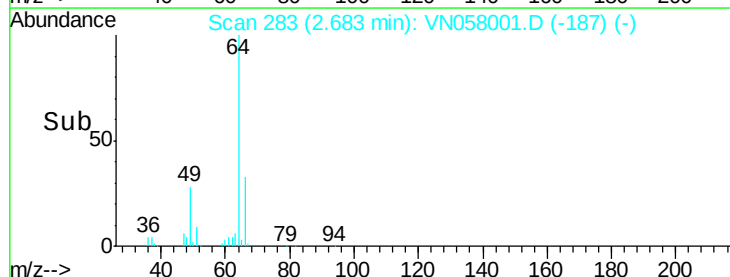
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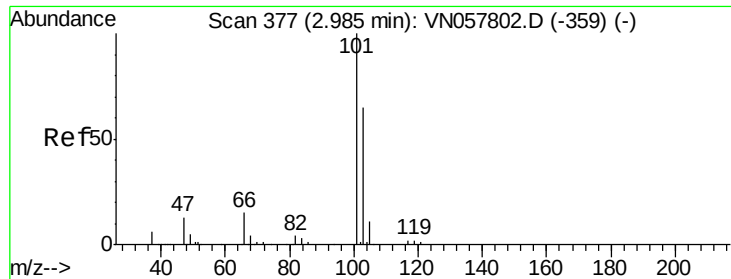
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Time-->





#7

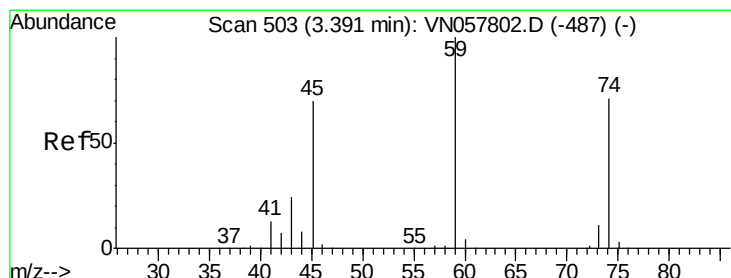
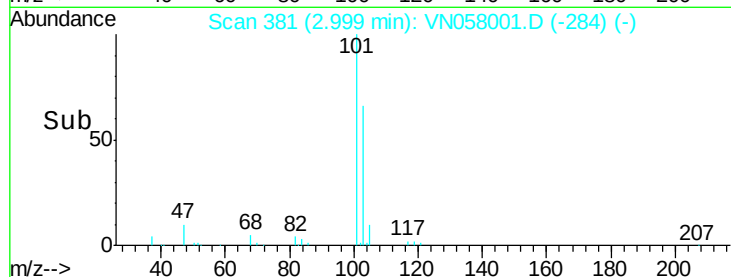
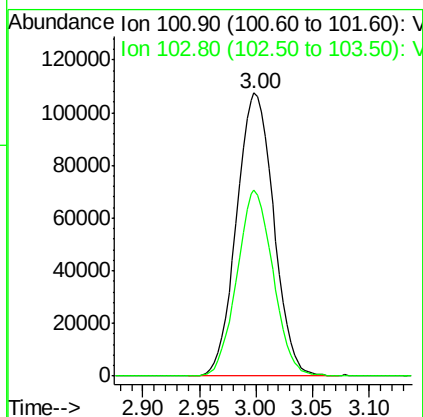
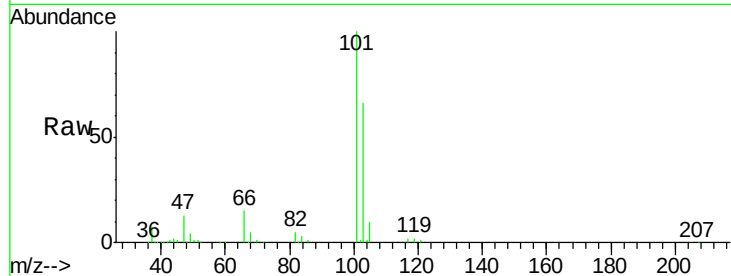
Trichlorofluoromethane
Concen: 42.943 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.9	77.9

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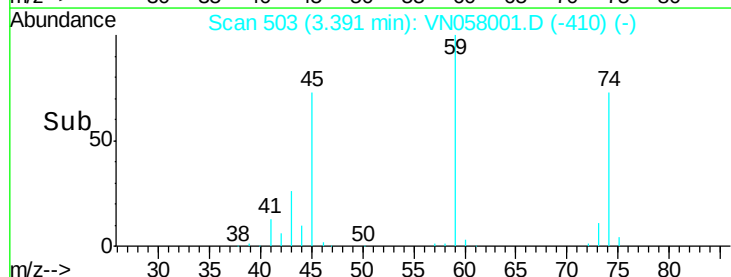
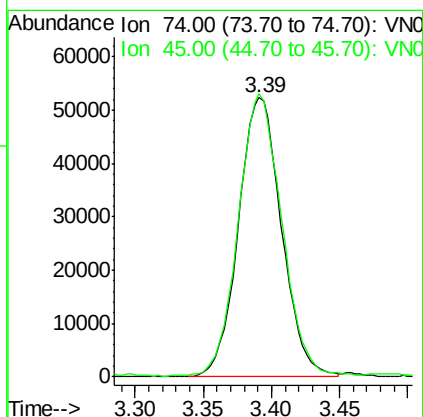
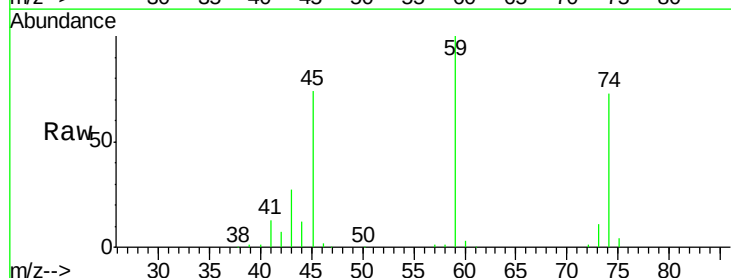
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9/13/2019 1:03:48 PM

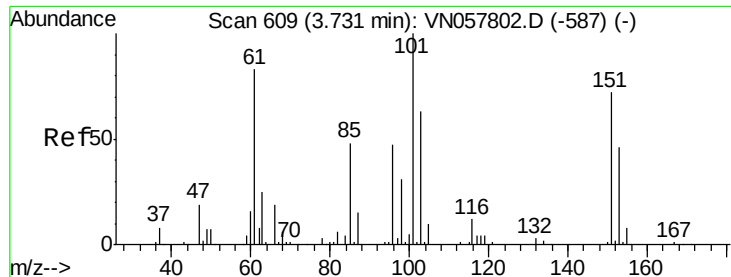


#8

Diethyl Ether
Concen: 47.977 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.087 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

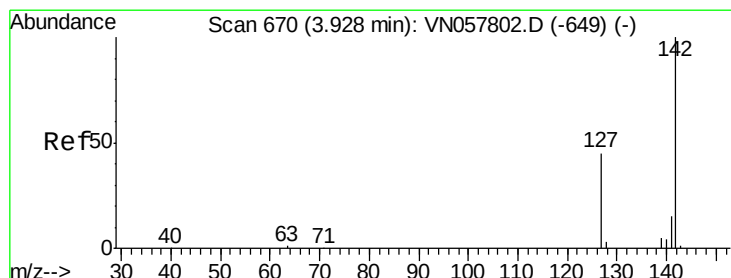
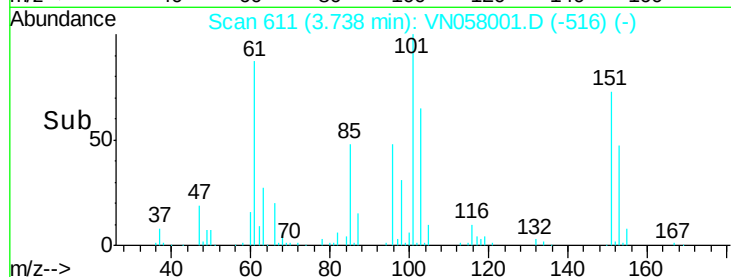
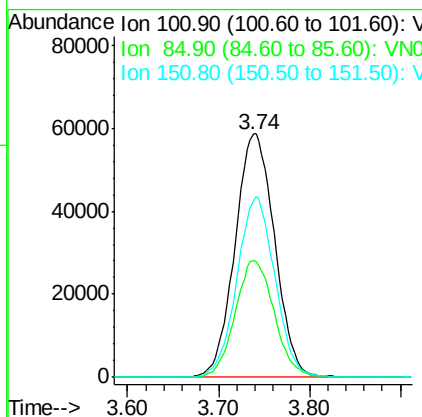
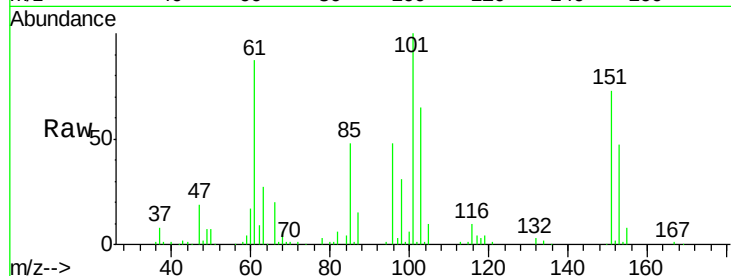
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	177623
Ion Ratio	Lower	Upper	
101	100		
85	47.2	38.1	57.1
151	71.2	58.4	87.6

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#10

Methyl Iodide

Concen: 43.872 ug/l

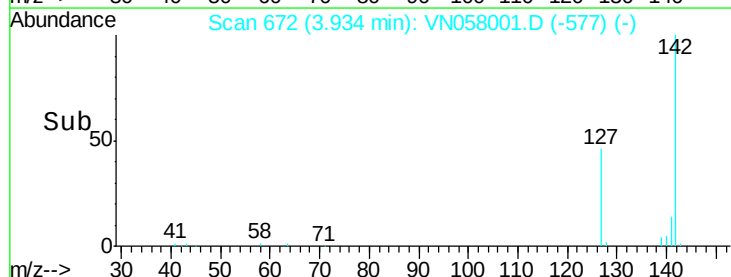
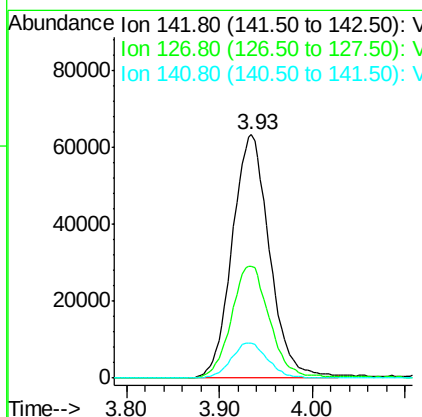
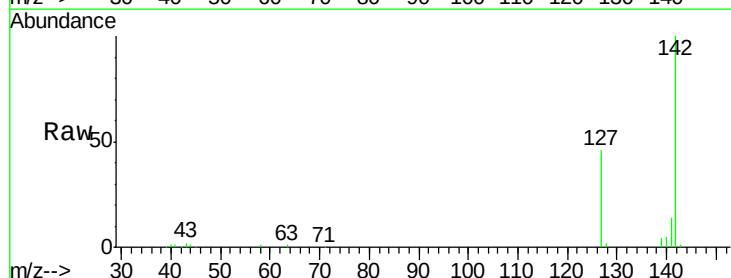
RT: 3.93 min Scan# 672

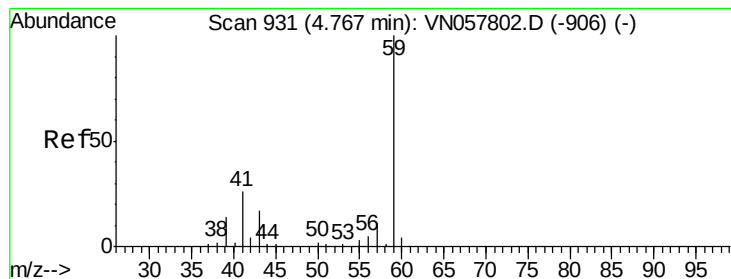
Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	142	Resp:	176661
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	14.1	11.4	17.0





#11

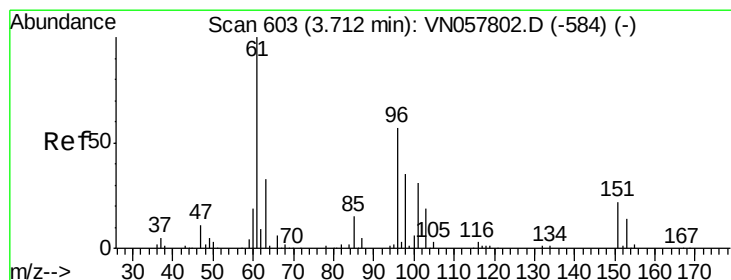
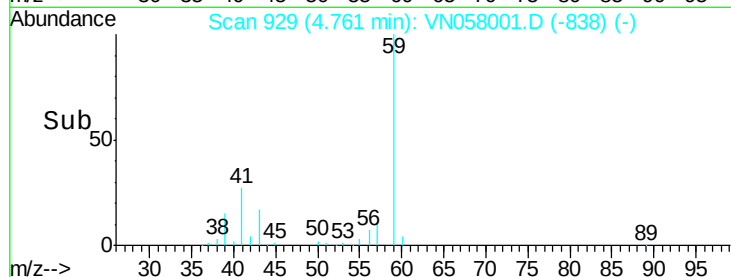
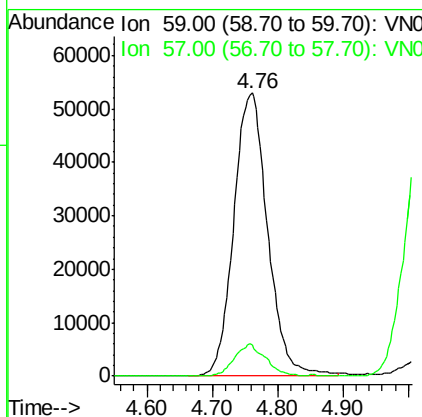
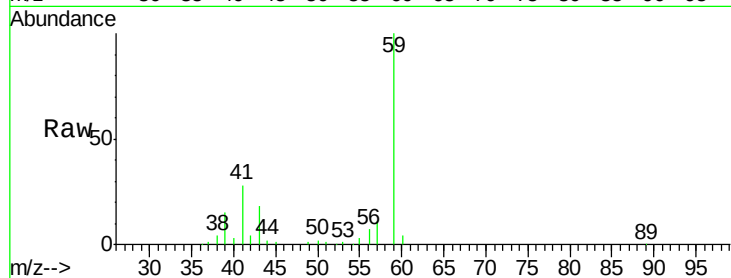
Tert butyl alcohol
 Concen: 255.025 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	191016		
57	10.4		8.4	12.6

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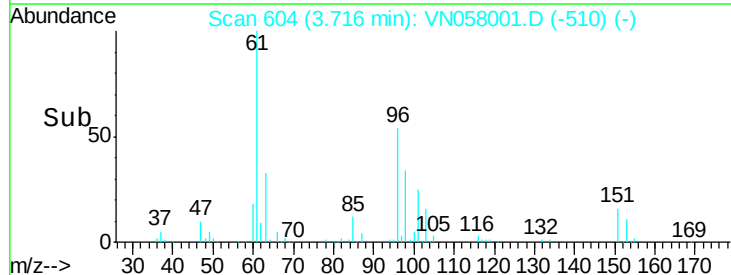
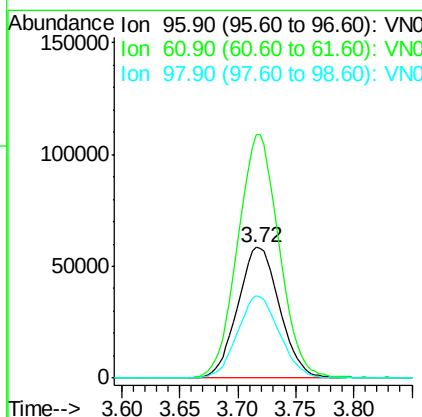
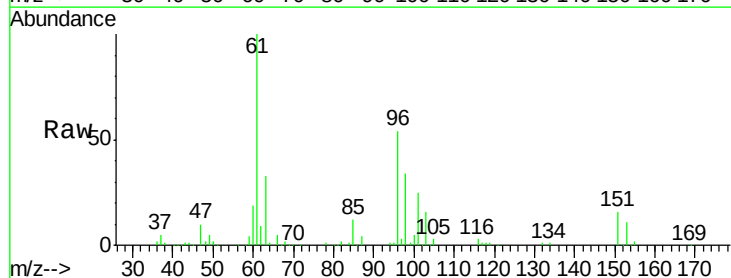
MMDadoda
 9/13/2019 1:03:48 PM

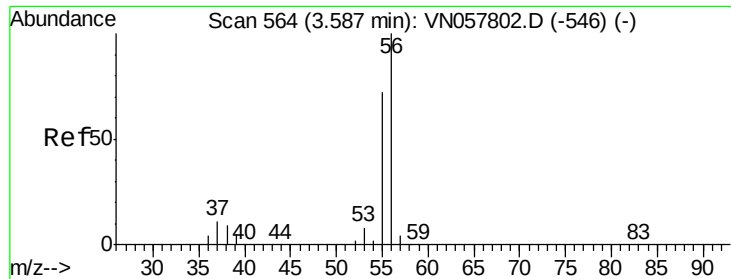


#12

1,1-Dichloroethene
 Concen: 45.283 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	147327		
61	185.8		141.2	211.8
98	63.0		49.9	74.9





#13

Acrolein

Concen: 52.156 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 33143

Ion Ratio Lower Upper

56 100

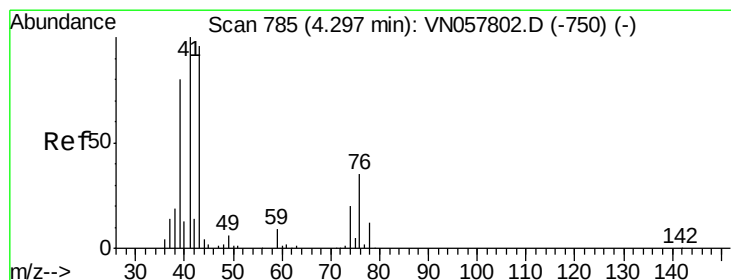
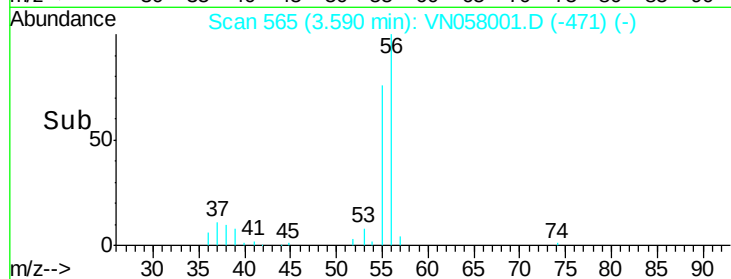
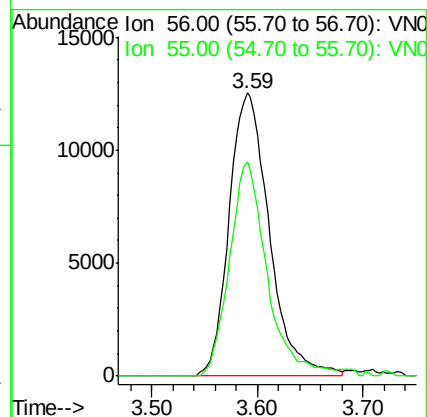
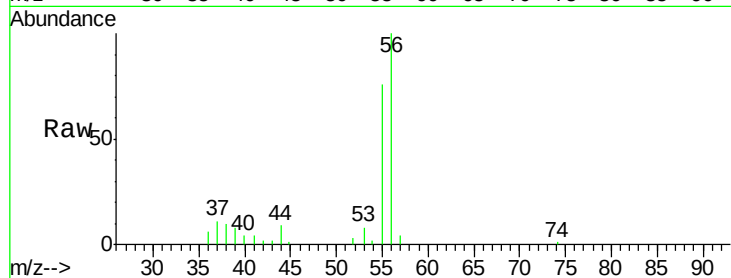
55 70.5 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 40.585 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

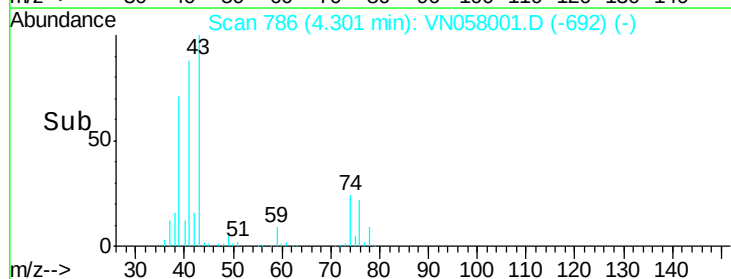
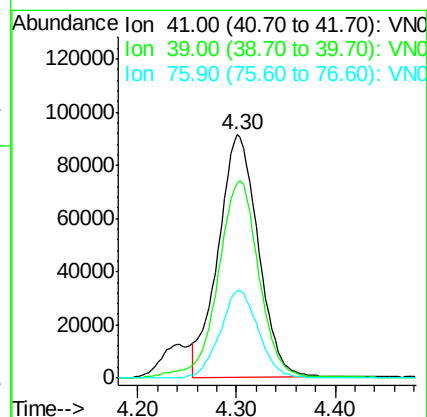
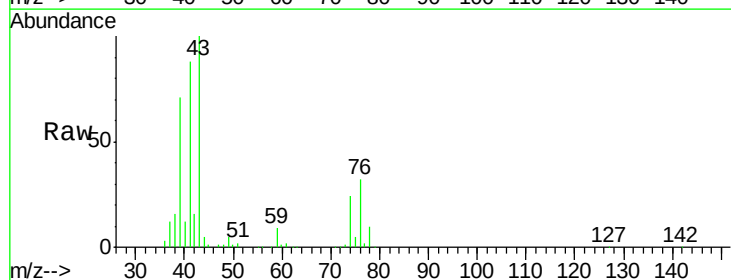
Tgt Ion: 41 Resp: 258405

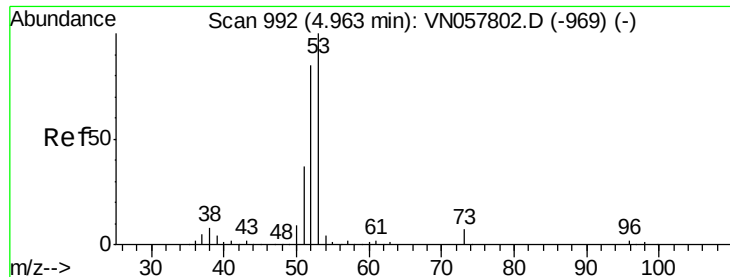
Ion Ratio Lower Upper

41 100

39 83.4 59.4 89.2

76 34.9 26.0 39.0





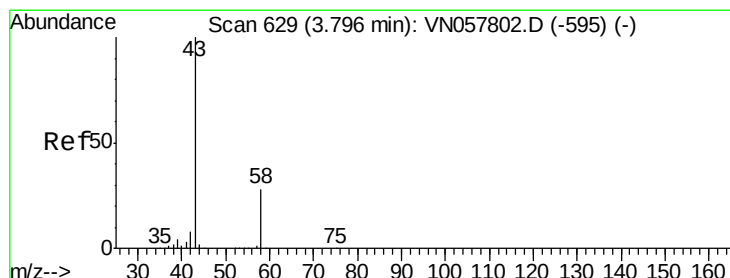
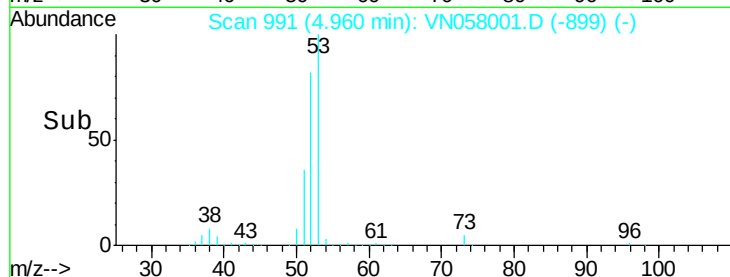
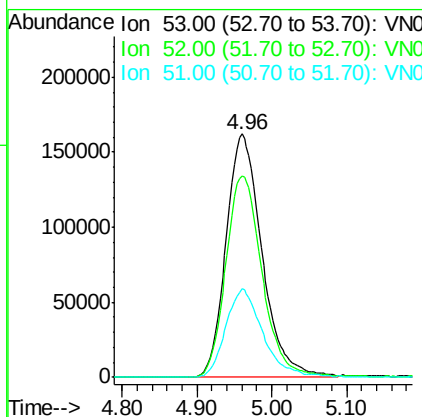
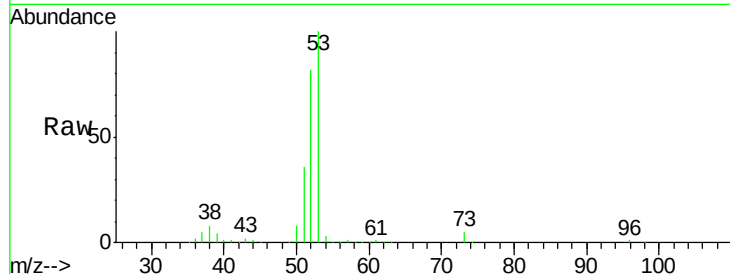
#15
 Acrylonitrile
 Concen: 262.701 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	540829
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.6	100.0
51	37.6	29.8	44.8

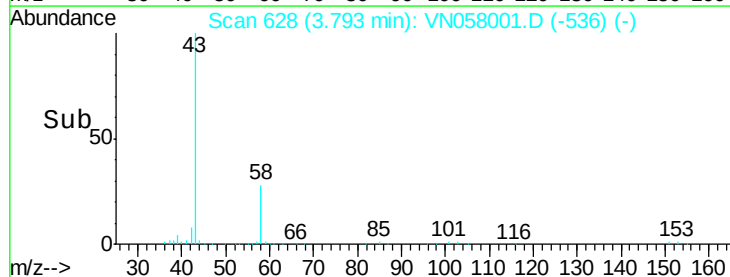
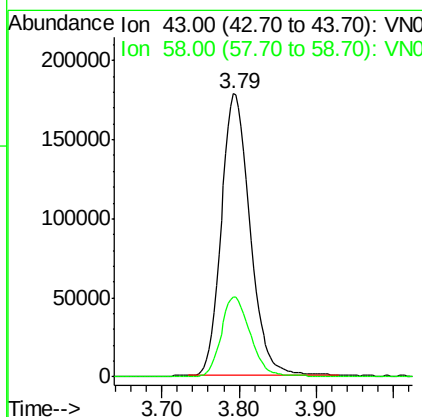
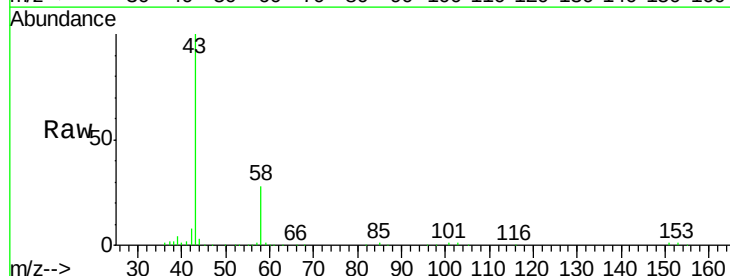
Manual Integrations
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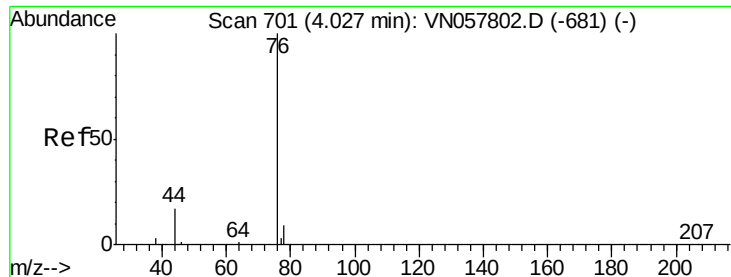
MMDadoda
 9/13/2019 1:03:48 PM



#16
 Acetone
 Concen: 226.236 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion:	43	Resp:	458969
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.2	33.2





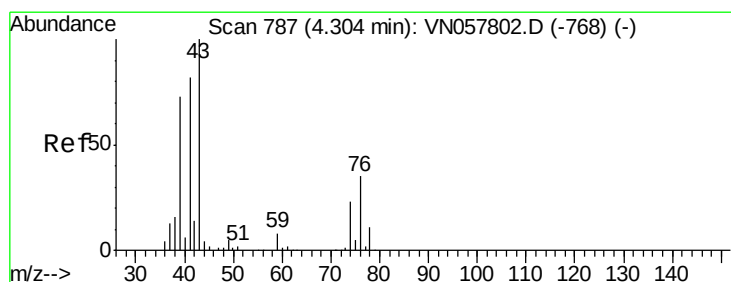
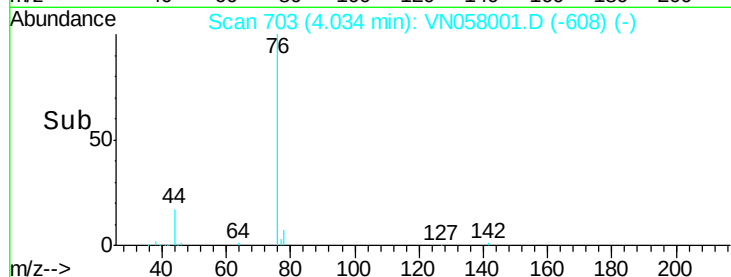
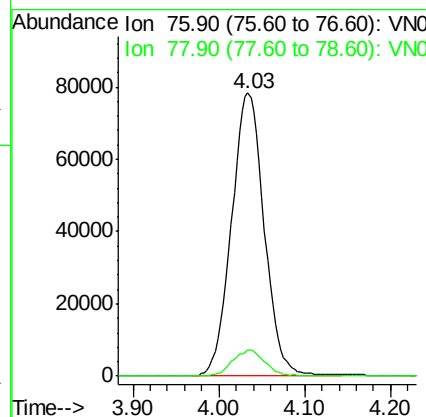
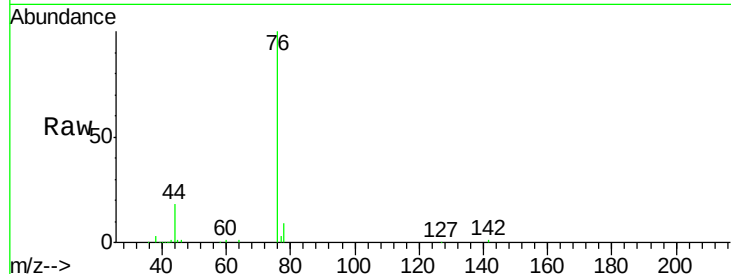
#17
Carbon Disulfide
Concen: 40.949 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

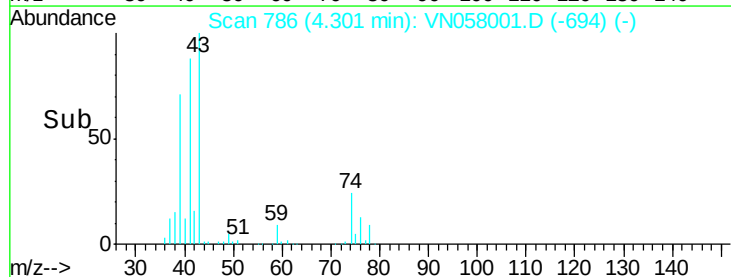
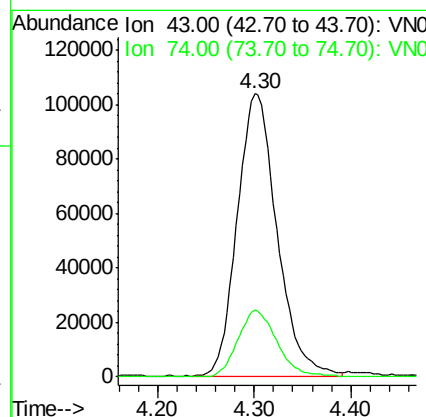
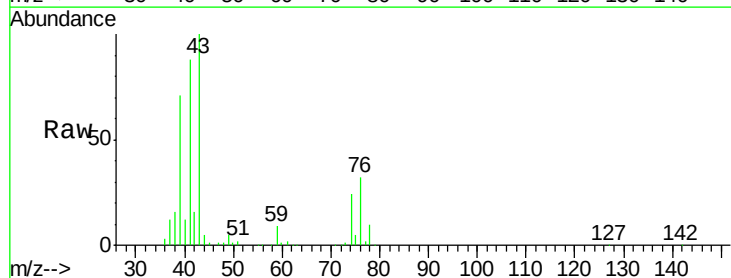
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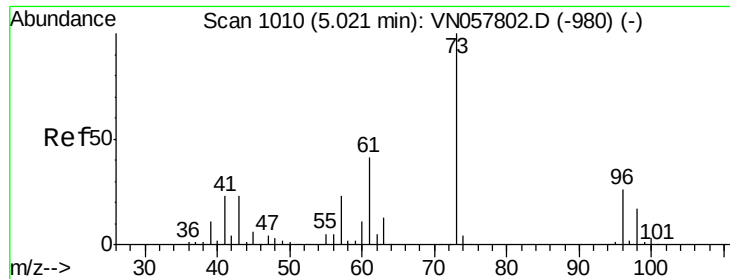
MMDadoda
9/13/2019 1:03:48 PM



#18
Methyl Acetate
Concen: 54.692 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.9	26.9





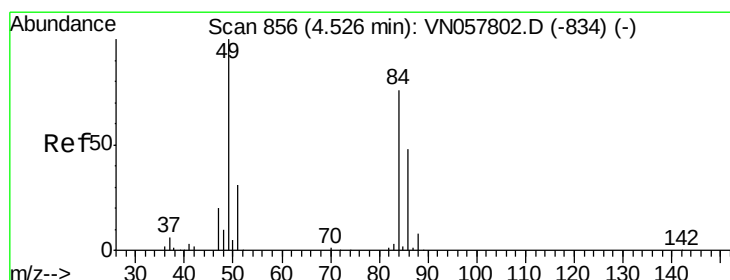
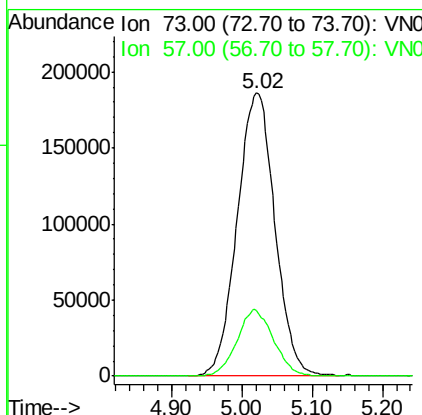
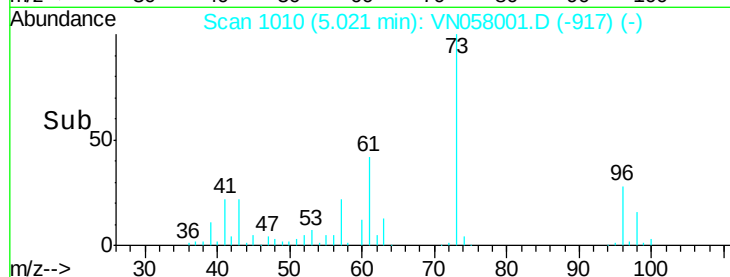
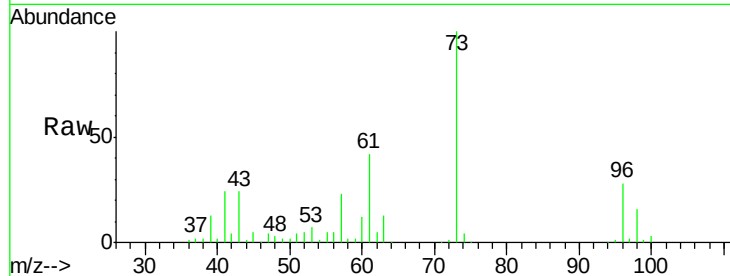
#19
Methvl tert-butyl Ether
Concen: 51.248 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 693893
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2

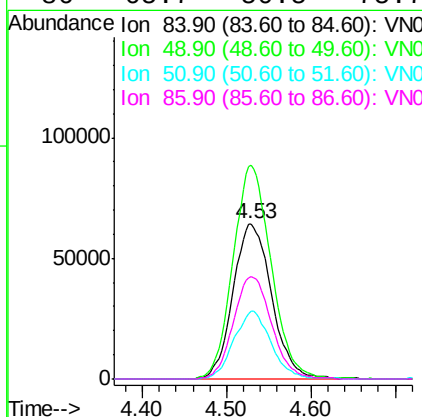
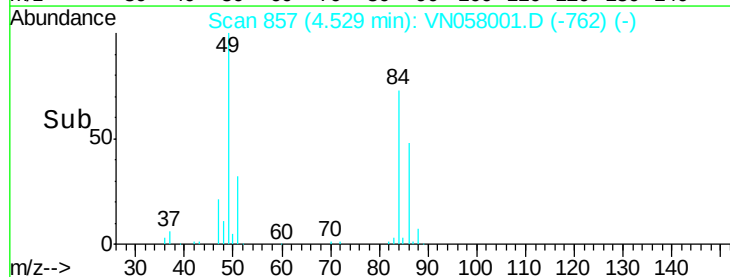
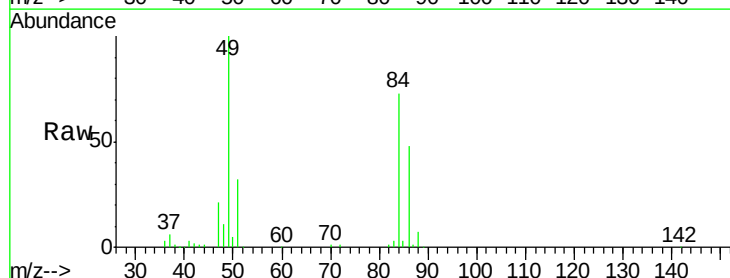
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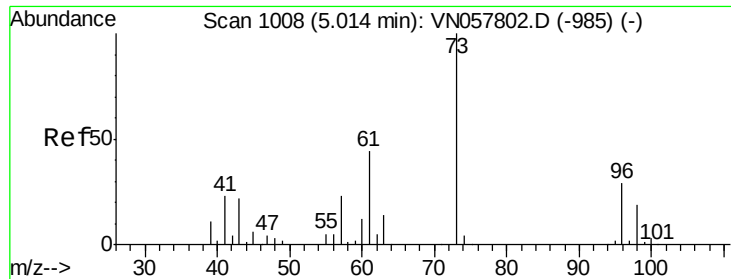
MMDadoda
9/13/2019 1:03:48 PM



#20
Methylene Chloride
Concen: 53.089 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 84 Resp: 204743
Ion Ratio Lower Upper
84 100
49 137.6 104.8 157.2
51 43.5 33.0 49.4
86 65.7 50.5 75.7





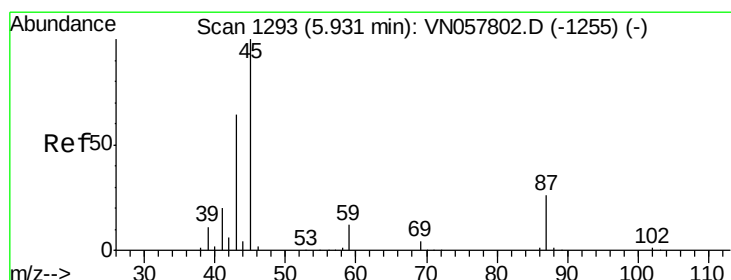
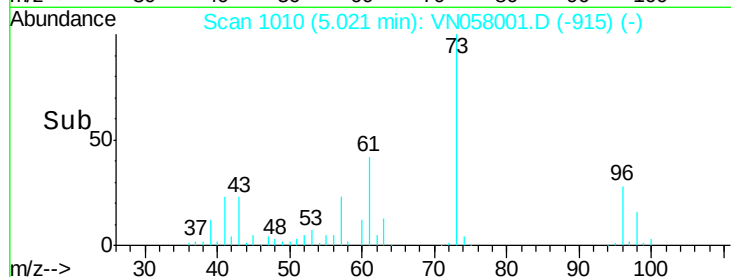
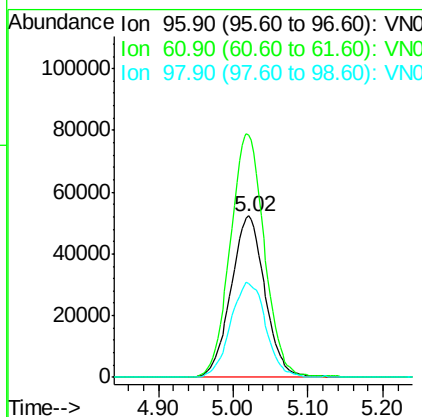
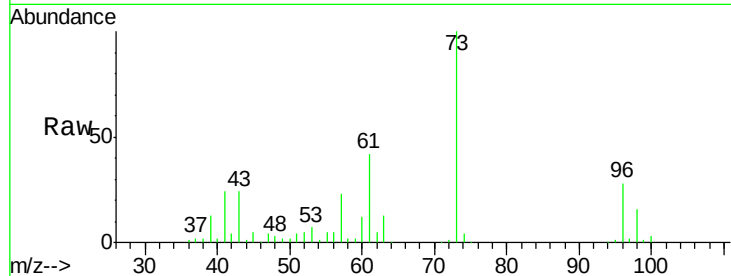
#21
trans-1,2-Dichloroethene
Concen: 46.988 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	121.9	182.9
98	58.5	52.2	78.4

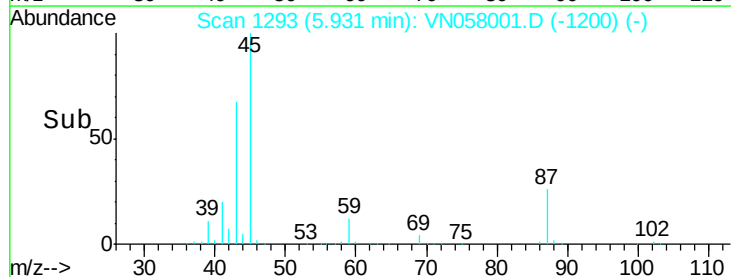
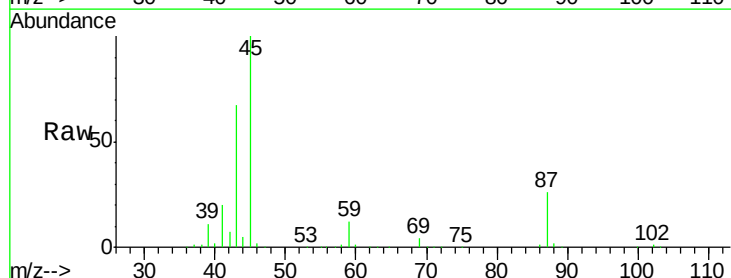
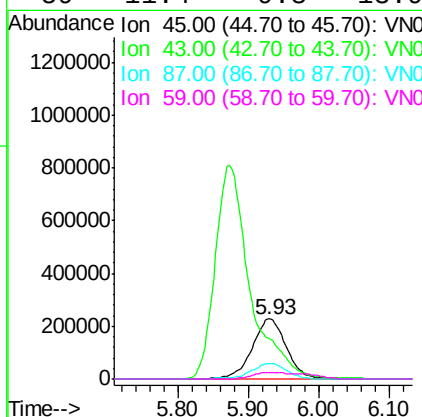
Manual Integrations
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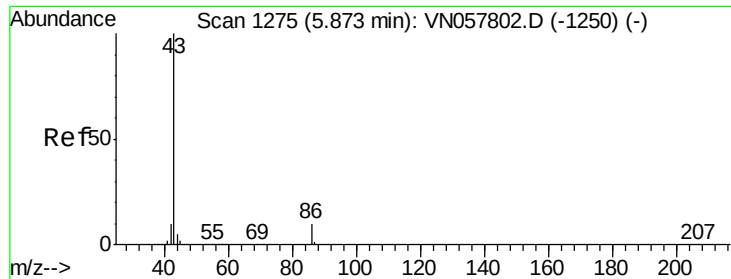
MMDadoda
9/13/2019 1:03:48 PM



#22
Diisopropyl ether
Concen: 51.258 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	51.4	77.2
87	26.2	21.3	31.9
59	11.4	9.3	13.9





#23

Vinyl Acetate

Concen: 264.064 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2794313

Ion Ratio Lower Upper

43 100

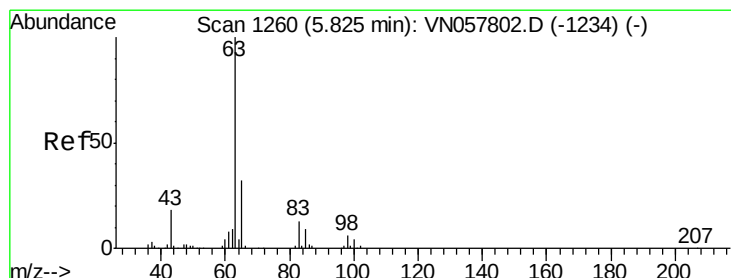
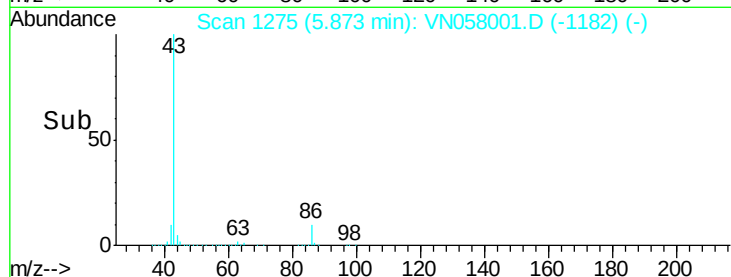
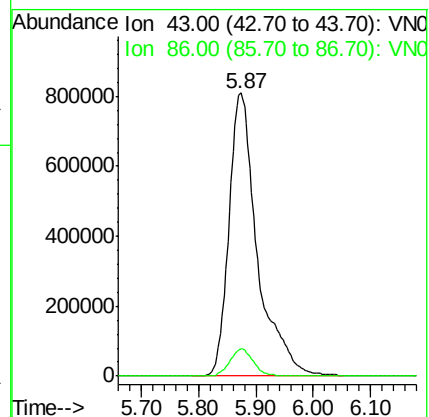
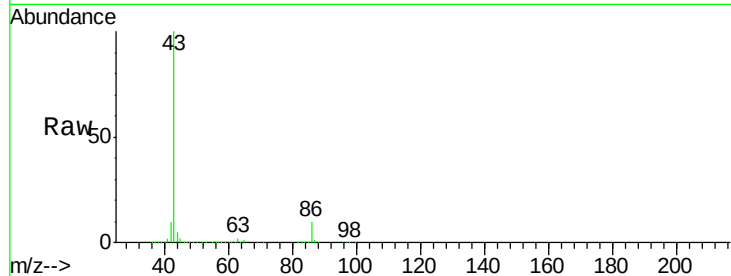
86 9.6 7.7 11.5

Manual Integrations

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9/13/2019 1:03:48 PM



#24

1,1-Dichloroethane

Concen: 50.352 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

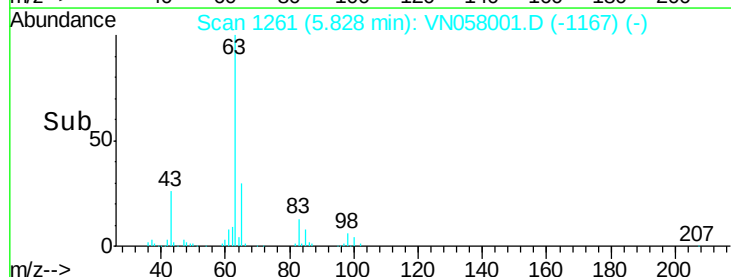
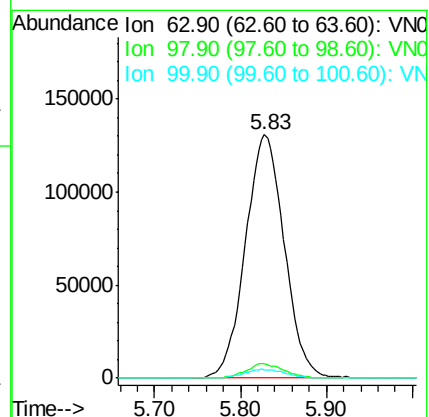
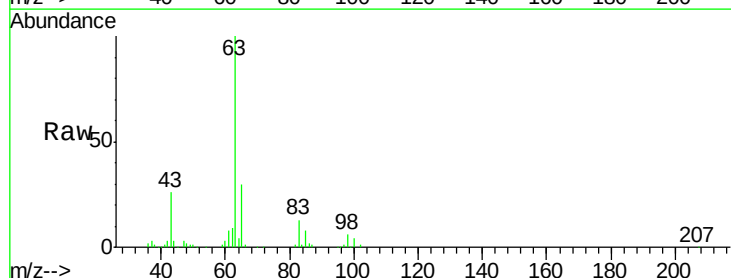
Tgt Ion: 63 Resp: 410895

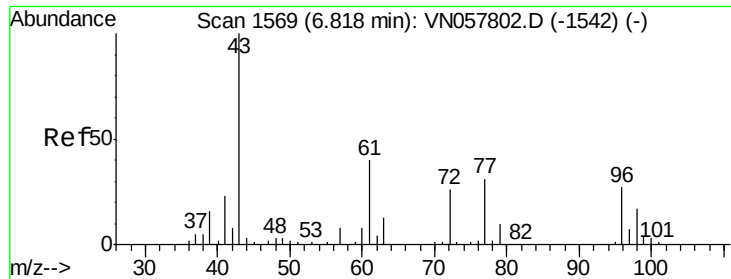
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 2.0 5.8





#25

2-Butanone

Concen: 252.187 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 740488

Ion Ratio Lower Upper

43 100

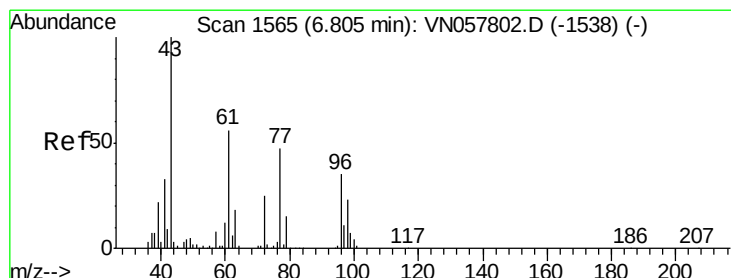
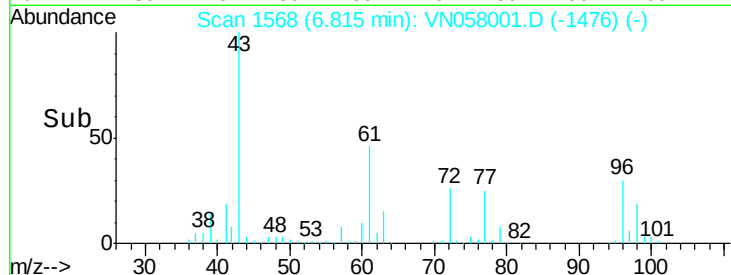
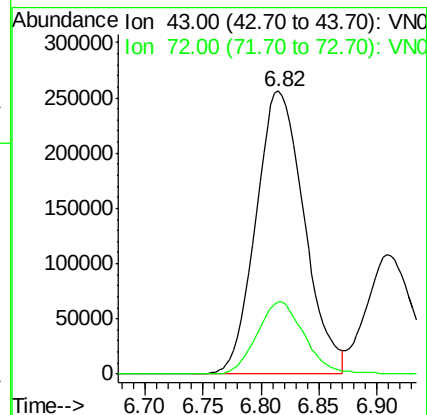
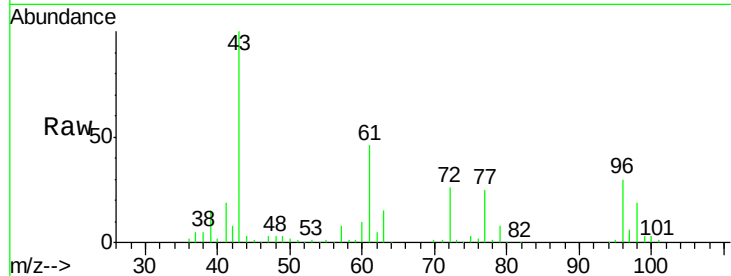
72 25.6 20.6 30.8

Manual Integrations

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MMDadoda

9/13/2019 1:03:48 PM



#26

2,2-Dichloropropane

Concen: 33.737 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058001.D

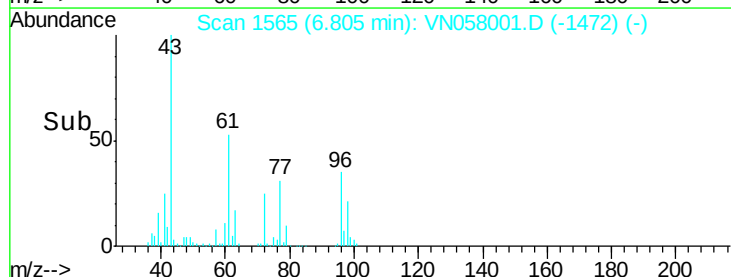
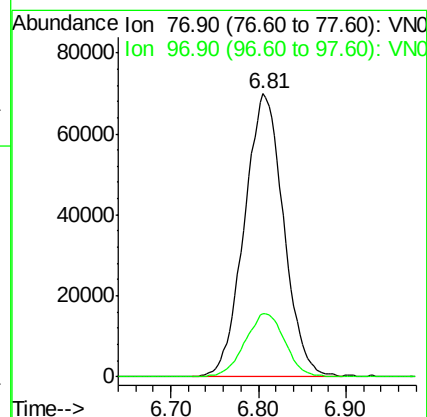
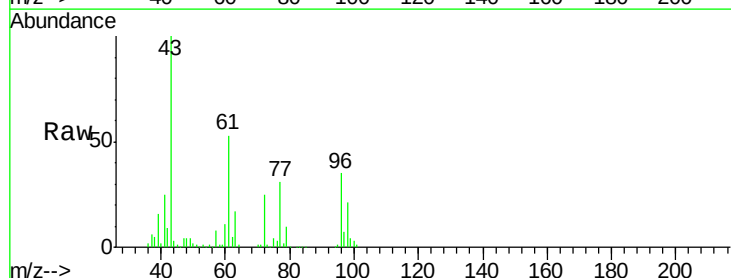
Acq: 13 Sep 2019 3:27

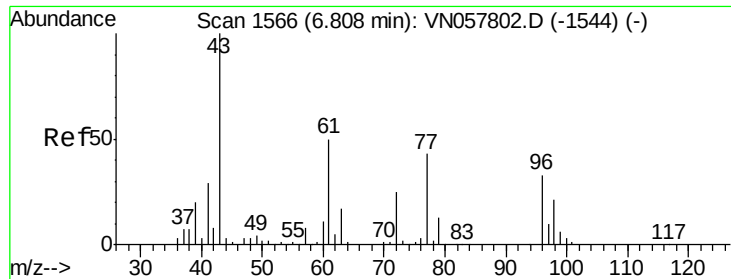
Tgt Ion: 77 Resp: 217872

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.962 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

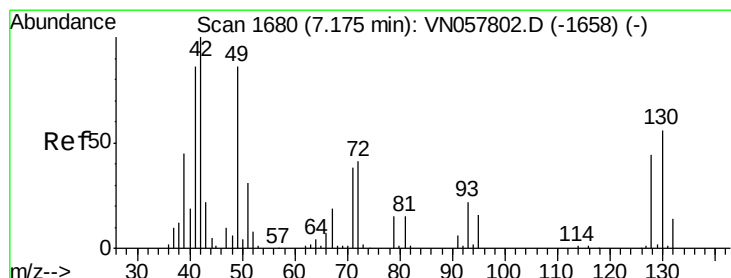
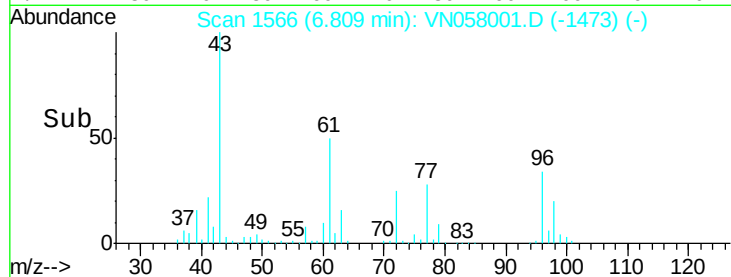
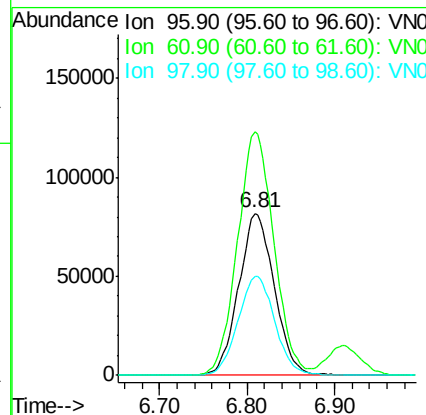
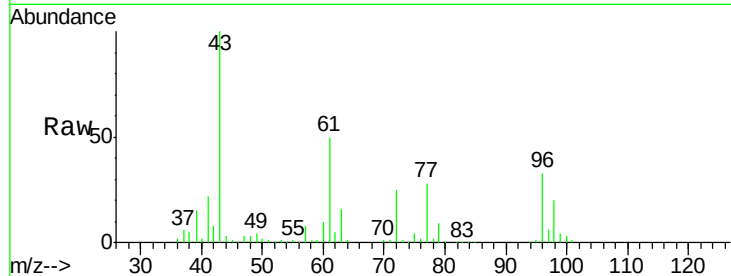
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	230771
Ion Ratio	Lower	Upper	
96	100		
61	153.7	0.0	314.0
98	63.3	0.0	128.6

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#28

Bromochloromethane

Concen: 51.927 ug/l

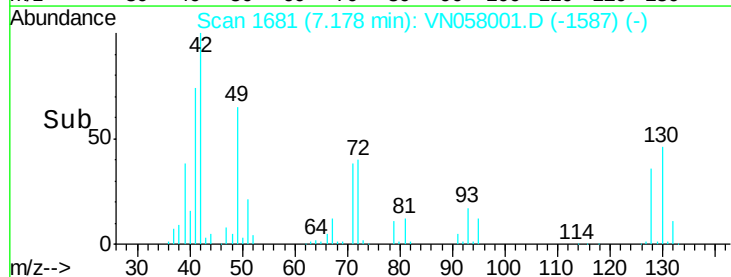
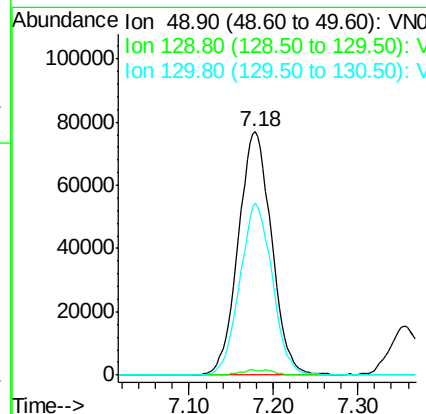
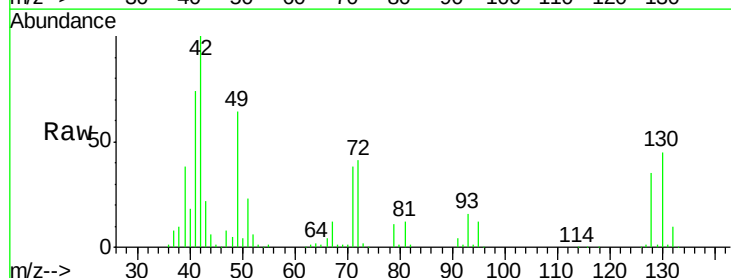
RT: 7.18 min Scan# 1681

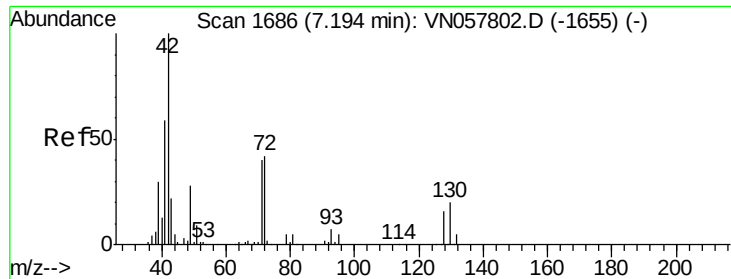
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	49	Resp:	211699
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.8
130	68.7	53.0	79.6





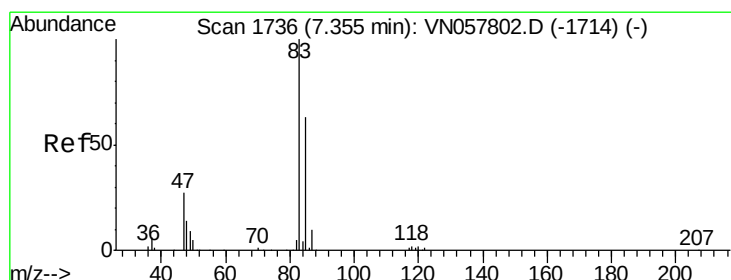
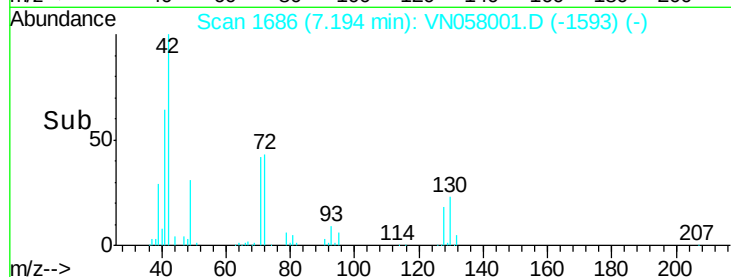
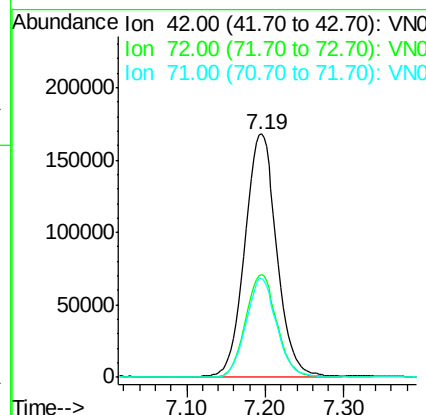
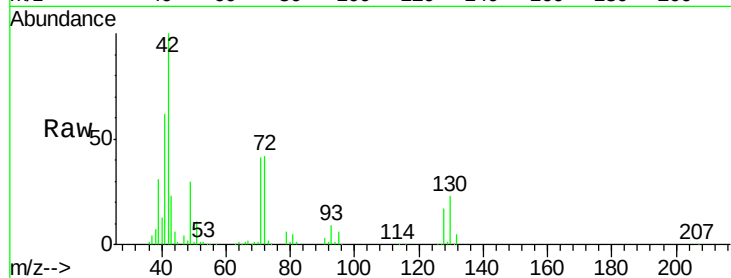
#29
Tetrahydrofuran
Concen: 265.038 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.2	31.9	47.9

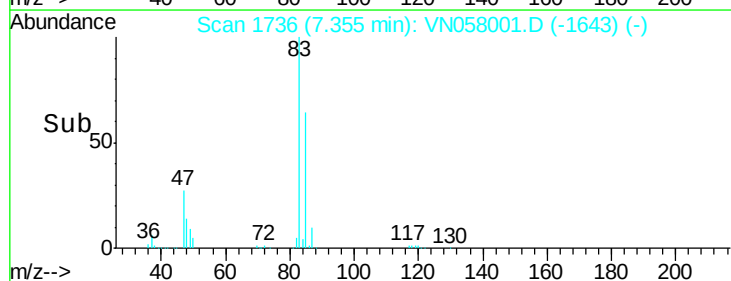
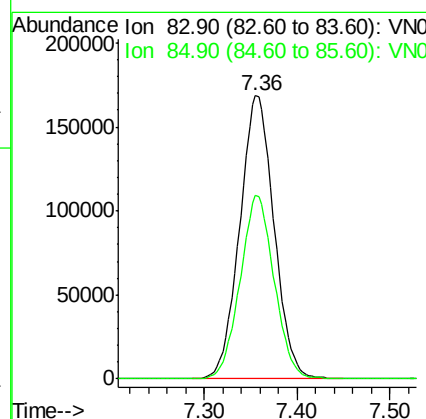
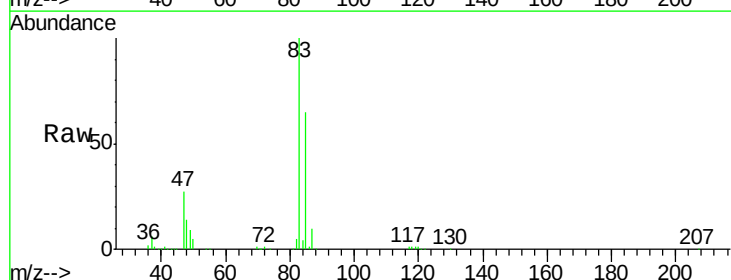
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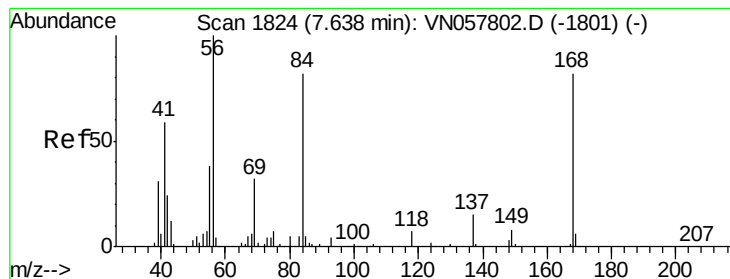
MMDadoda
9/13/2019 1:03:48 PM



#30
Chloroform
Concen: 50.734 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 50.556 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

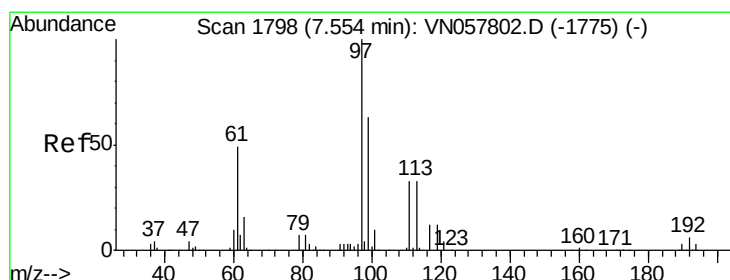
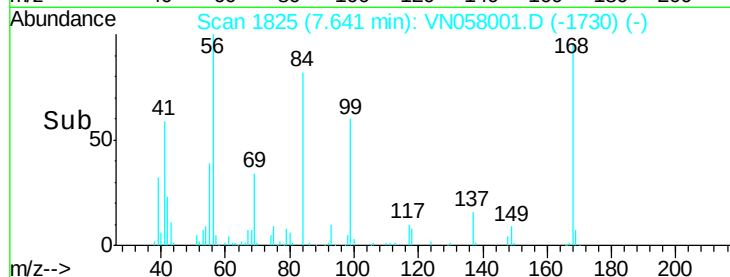
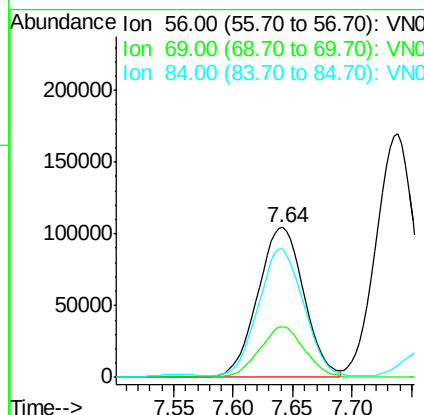
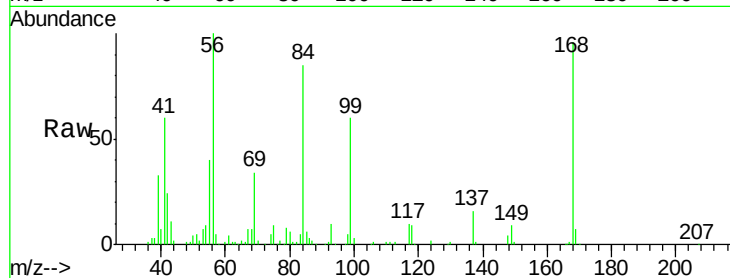
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	281005
Ion Ratio	Lower	Upper	
56	100		
69	33.9	25.9	38.9
84	83.4	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.499 ug/l

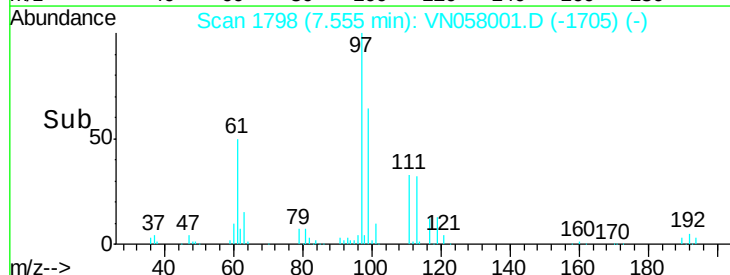
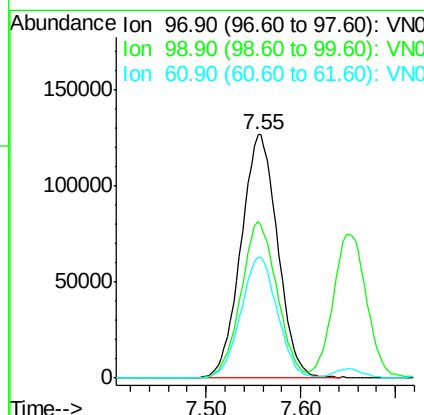
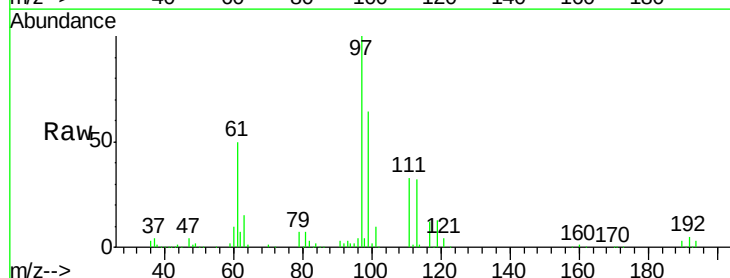
RT: 7.55 min Scan# 1798

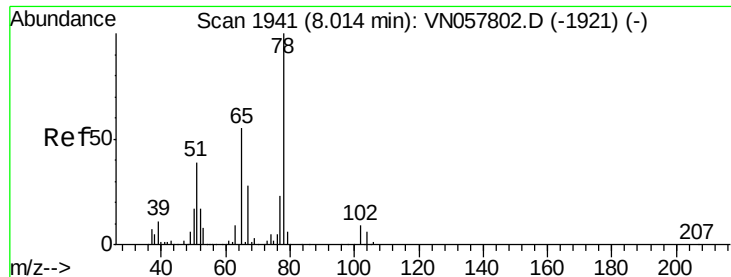
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	97	Resp:	341731
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.0	76.4
61	49.5	39.0	58.6





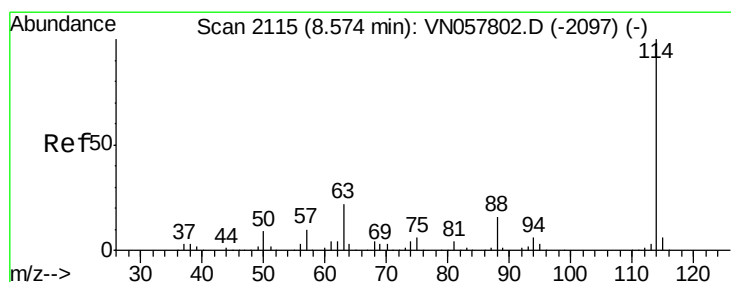
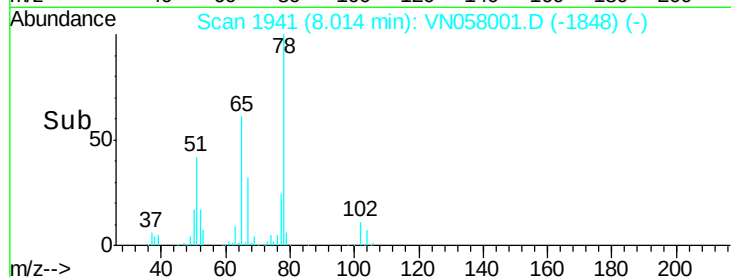
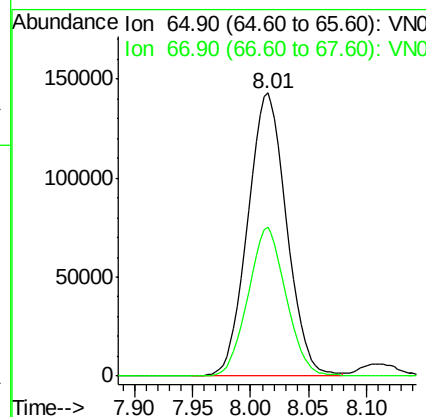
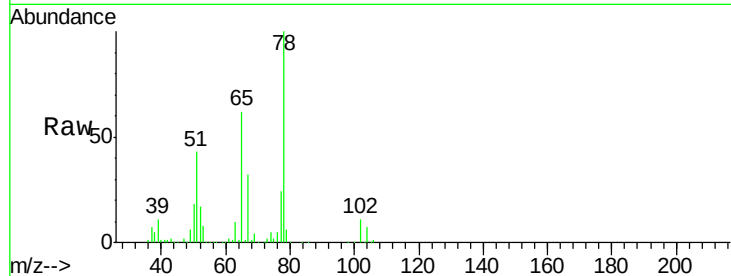
#33
 1,2-Dichloroethane-d4
 Concen: 53.886 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	333475		
67	51.4	0.0	104.0	

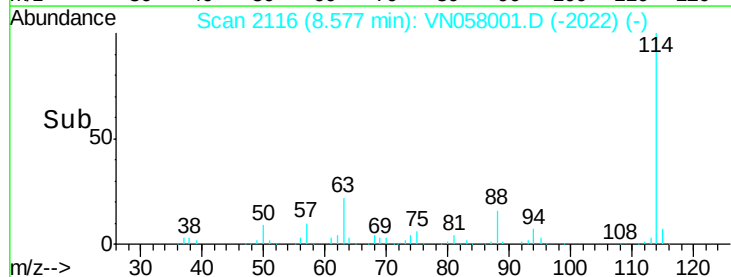
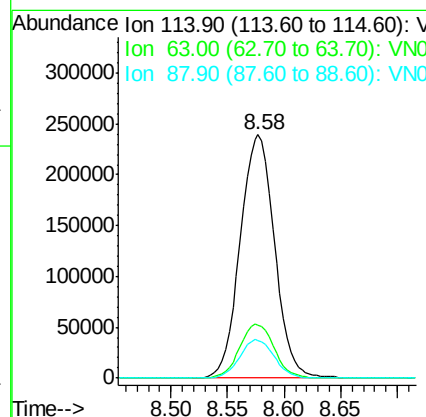
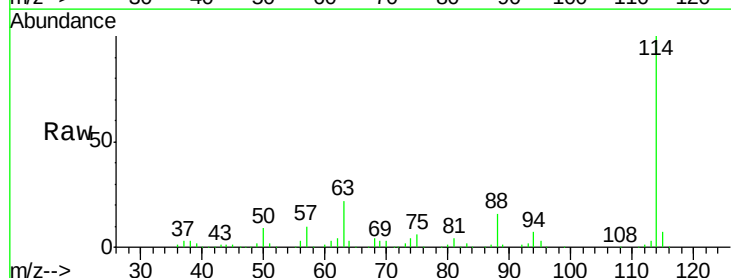
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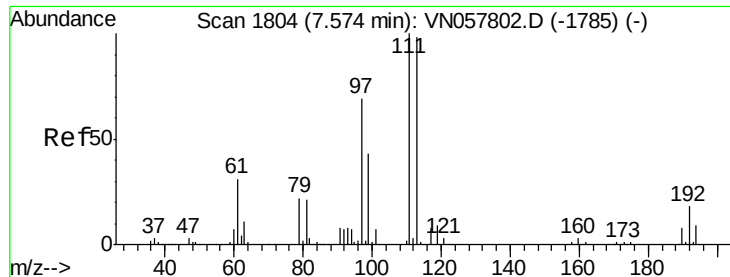
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 9/13/2019 1:03:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	506606		
63	22.0	0.0	44.0	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.866 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

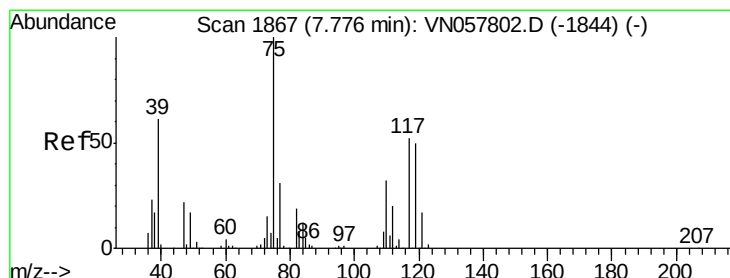
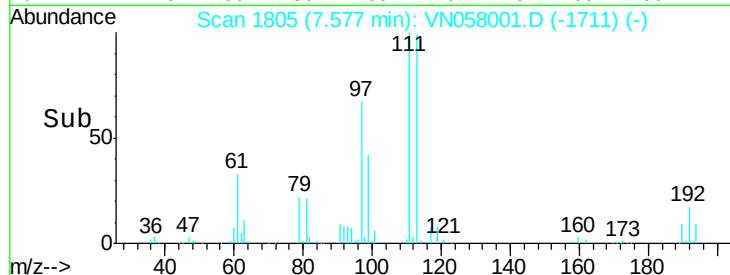
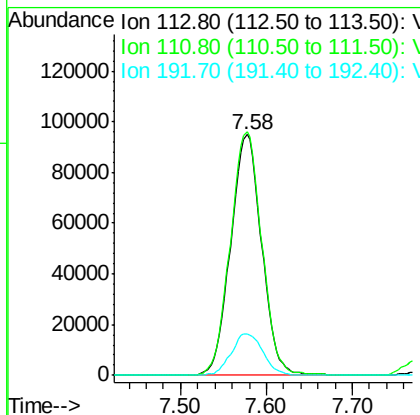
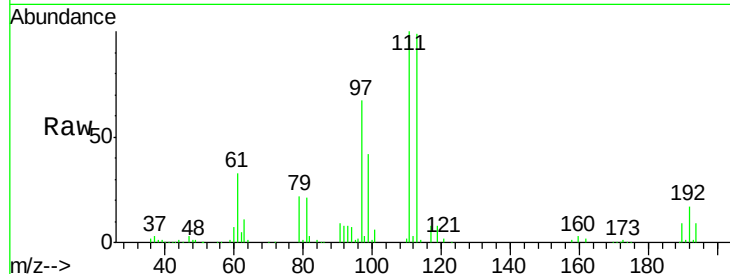
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	237837
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.3	121.9
192	17.6	14.6	22.0

Manual Integrations
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9/13/2019 1:03:48 PM



#36

1,1-Dichloropropene

Concen: 45.801 ug/l

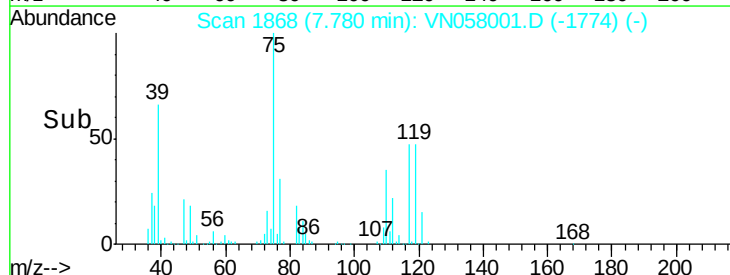
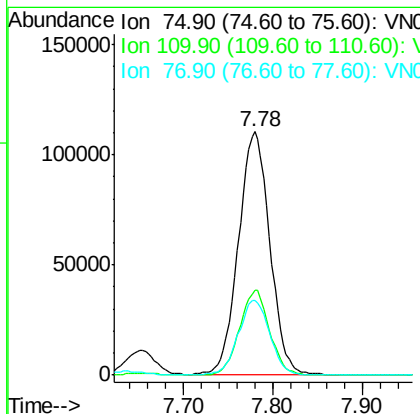
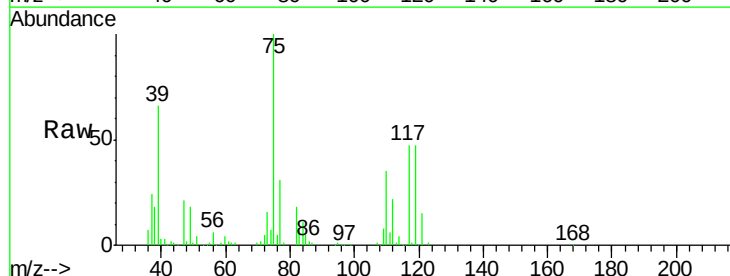
RT: 7.78 min Scan# 1868

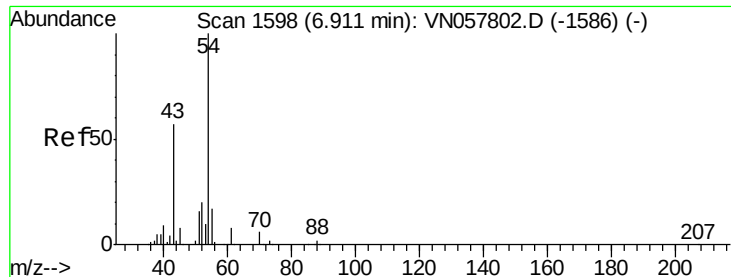
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	75	Resp:	269095
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.3	48.9
77	31.0	25.0	37.4





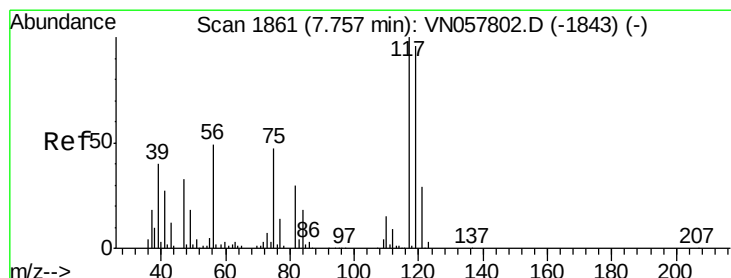
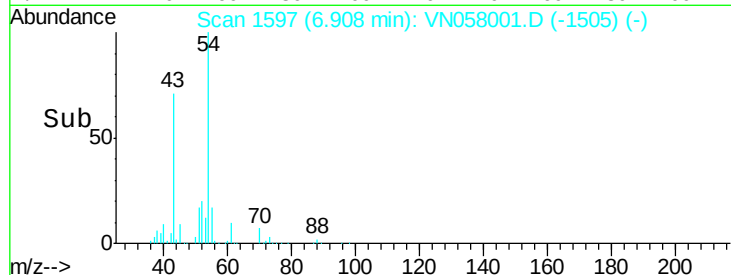
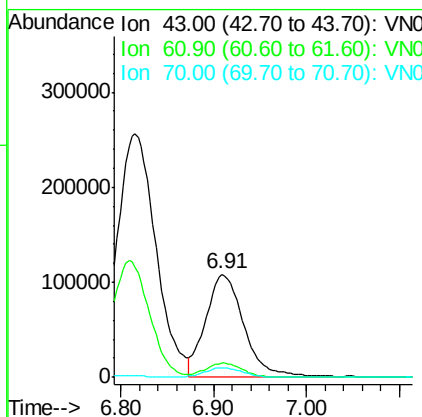
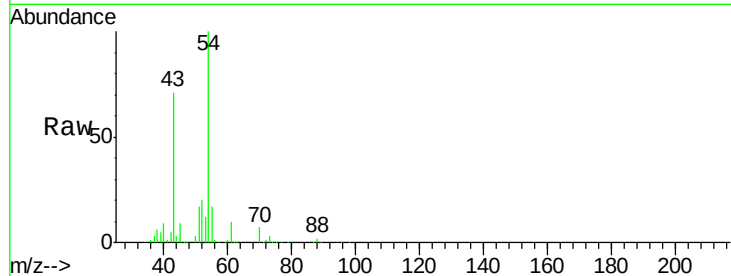
#37
Ethyl Acetate
Concen: 50.138 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.9	10.5	15.7	
70	9.2	7.4	11.0	

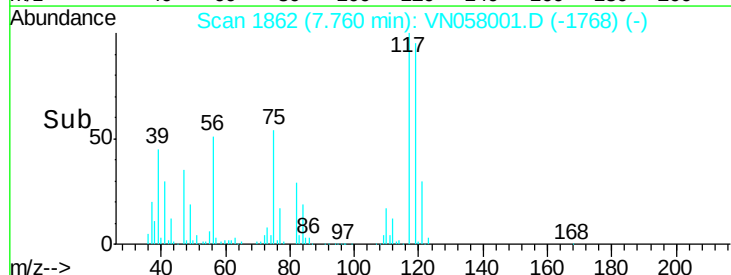
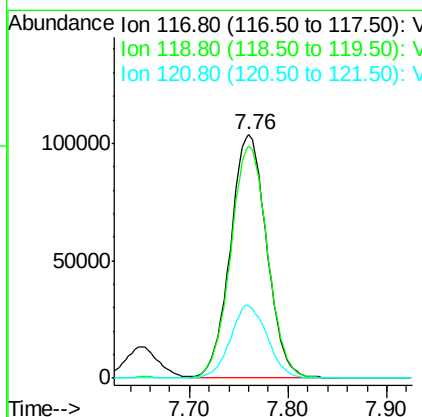
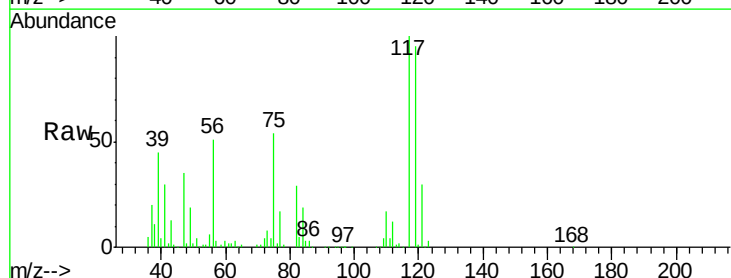
Manual Integrations
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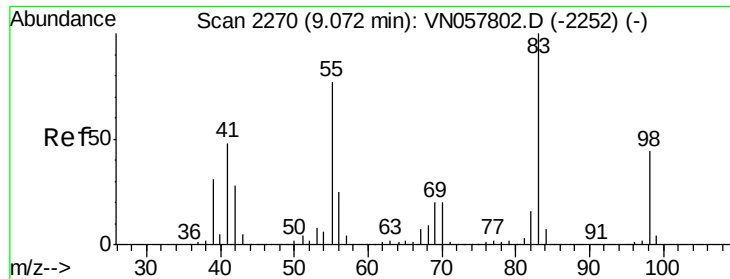
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9/13/2019 1:03:48 PM



#38
Carbon Tetrachloride
Concen: 49.474 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	76.9	115.3	
121	29.7	23.4	35.2	





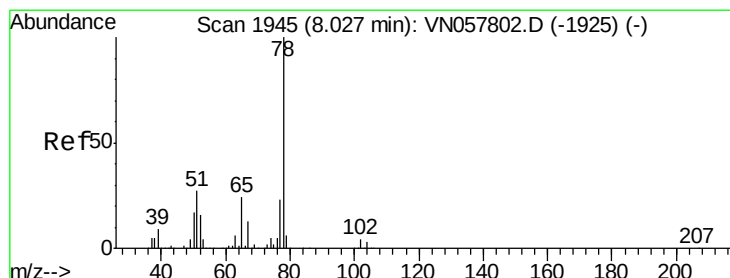
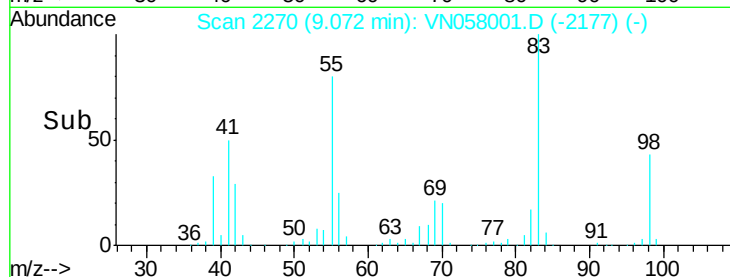
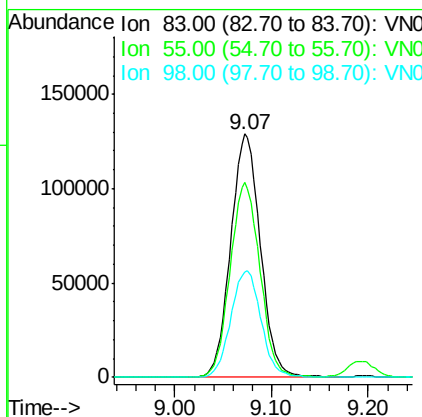
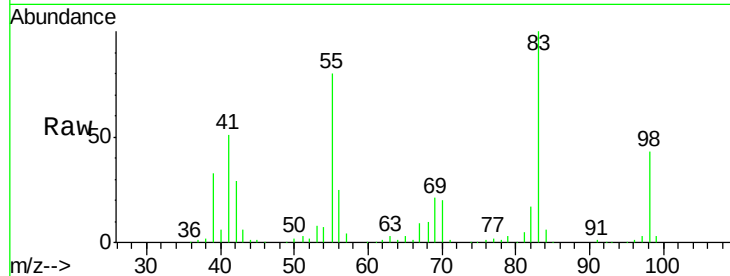
#39
Methylvlcyclohexane
Concen: 44.624 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.6	92.4
98	43.3	34.9	52.3

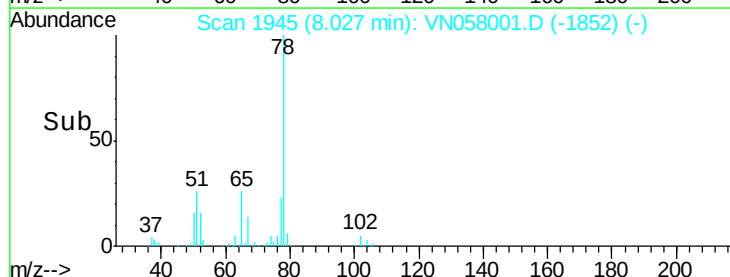
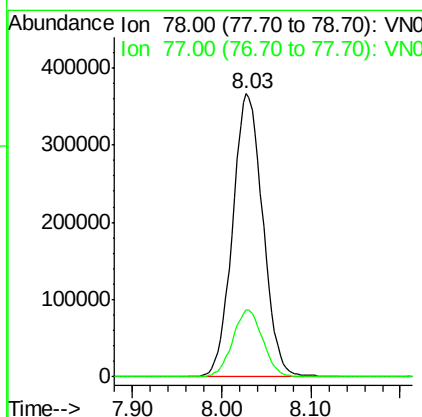
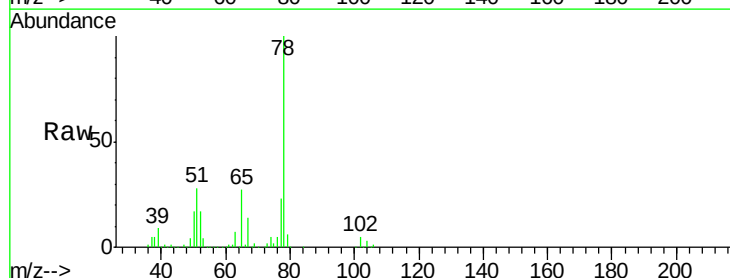
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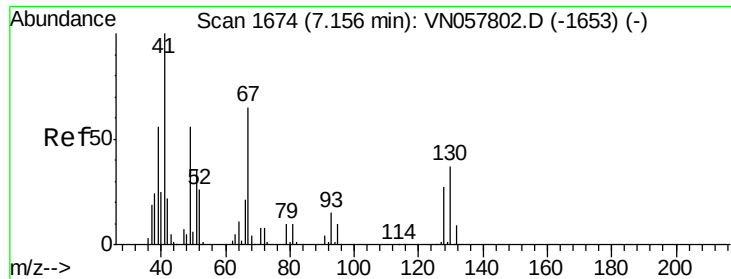
MMDadoda
9/13/2019 1:03:48 PM



#40
Benzene
Concen: 48.687 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





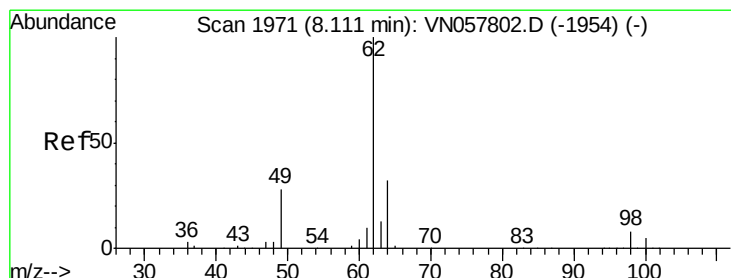
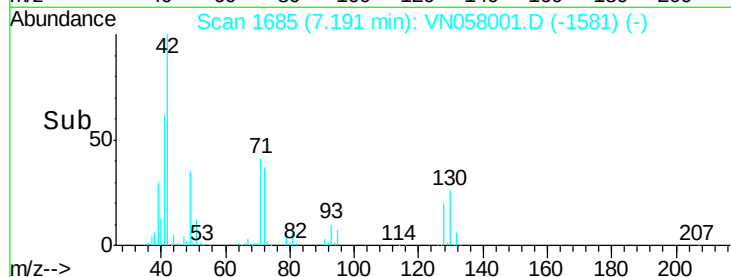
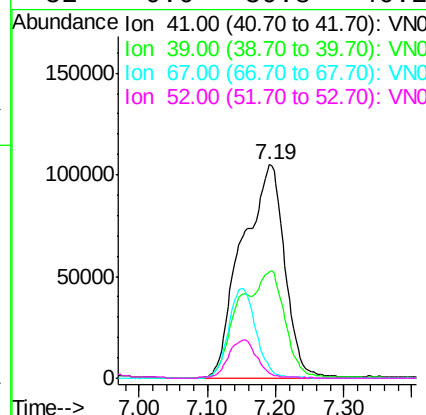
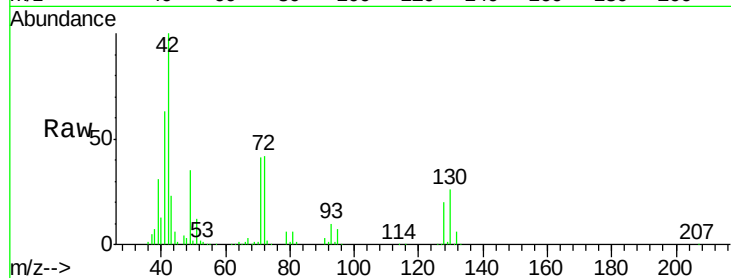
#41
Methacrylonitrile
Concen: 165.899 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

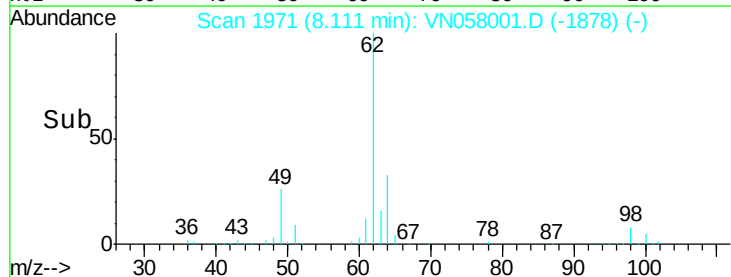
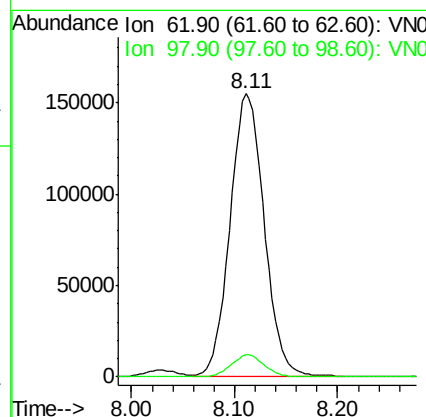
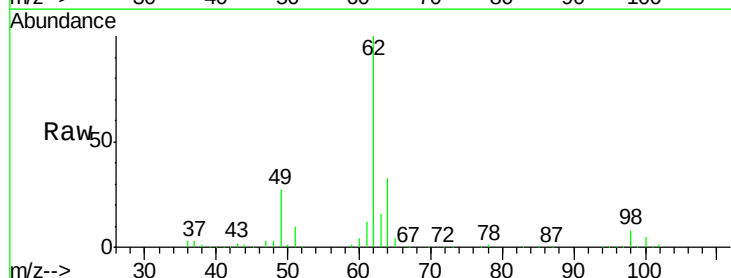
Manual Integrations
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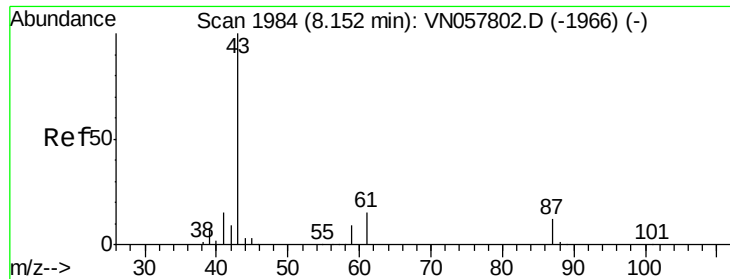
MMDadoda
9/13/2019 1:03:48 PM



#42
1,2-Dichloroethane
Concen: 50.402 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 54.550 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

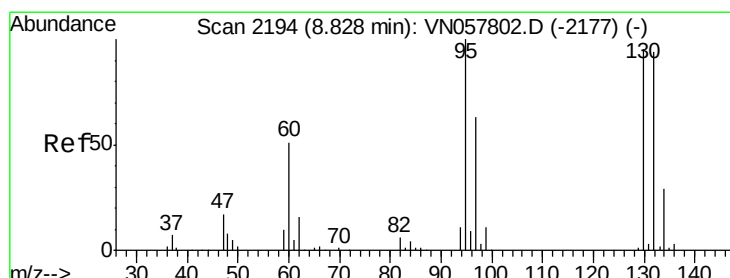
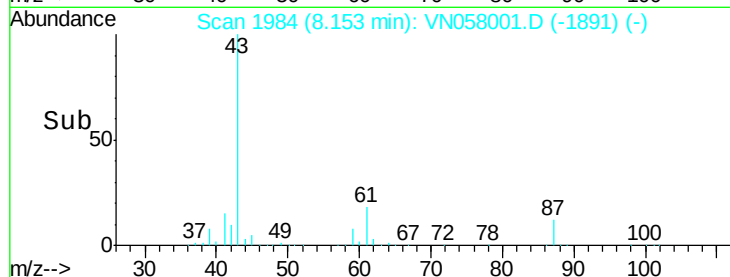
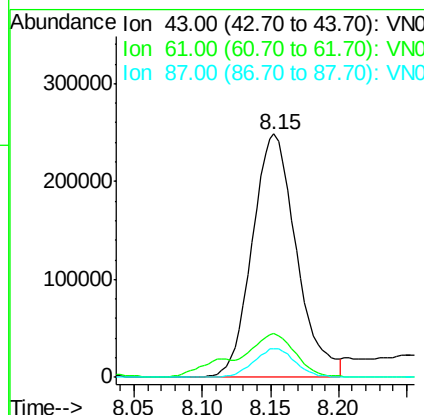
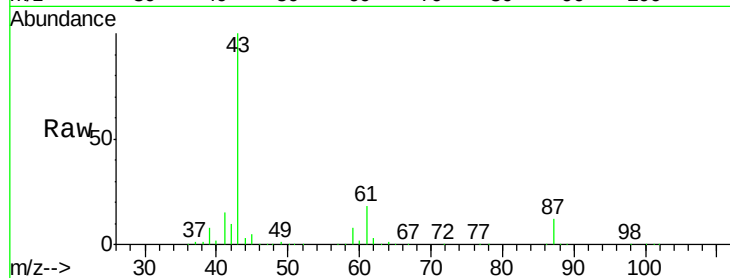
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	556854
Ion	Ratio	Lower	Upper
43	100		
61	17.5	20.1	30.1#
87	11.4	9.5	14.3

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#44

Trichloroethene

Concen: 47.446 ug/l

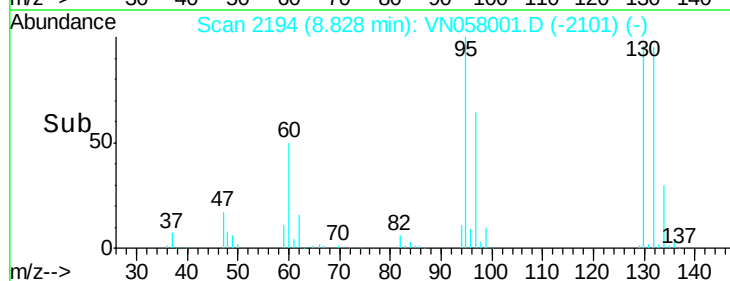
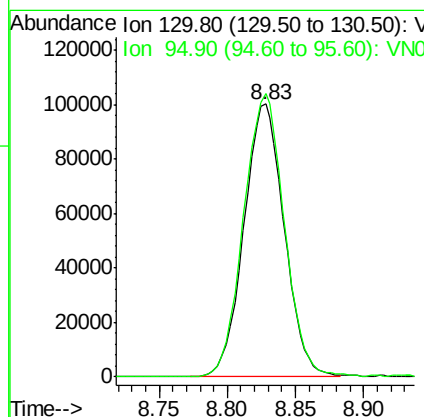
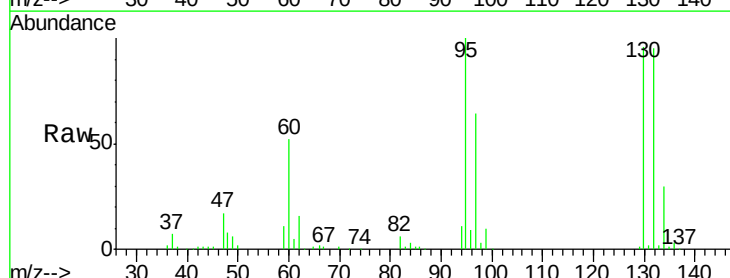
RT: 8.83 min Scan# 2194

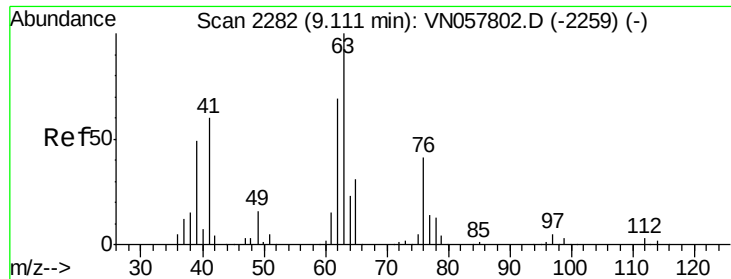
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	130	Resp:	205845
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	211.4





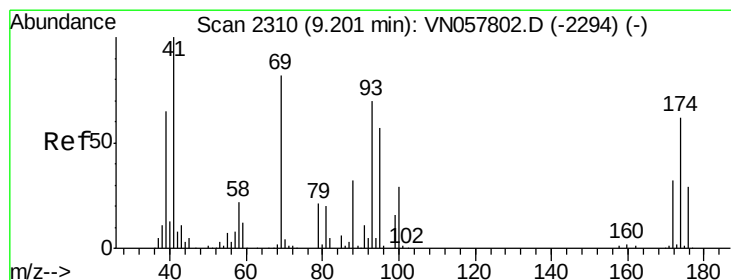
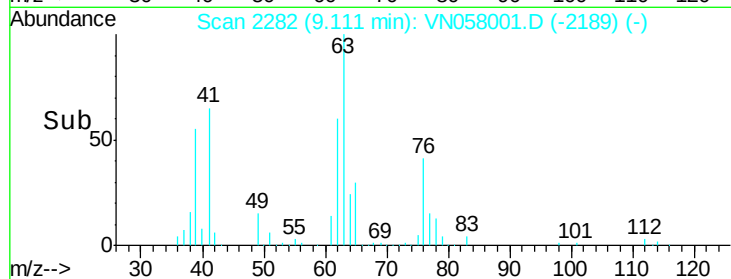
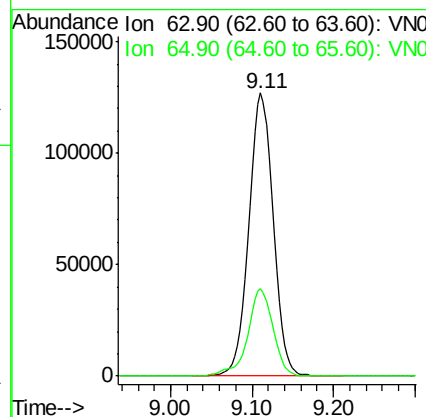
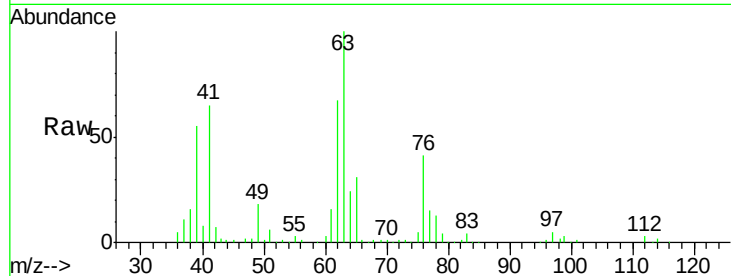
#45
 1,2-Dichloropropane
 Concen: 50.512 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	259986		
65	31.0		24.8	37.2

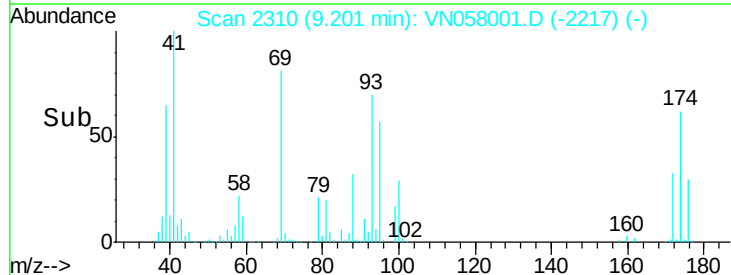
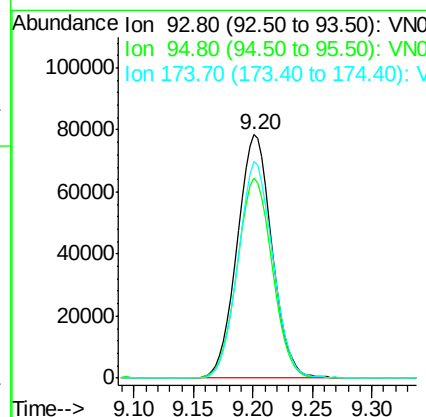
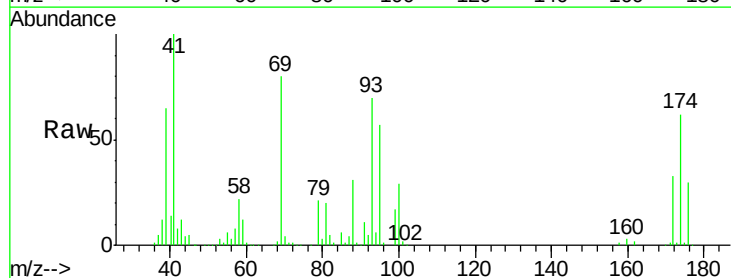
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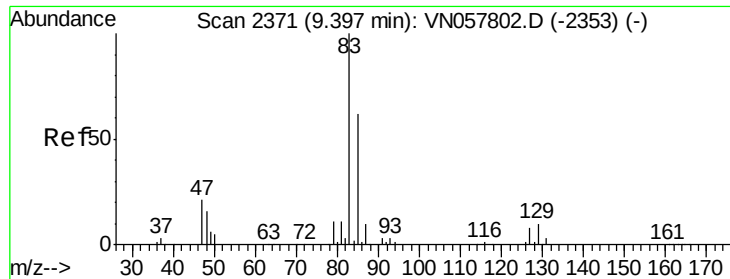
MMDadoda
 9/13/2019 1:03:48 PM



#46
 Dibromomethane
 Concen: 51.240 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	159370		
95	83.1		65.9	98.9
174	88.6		71.8	107.6





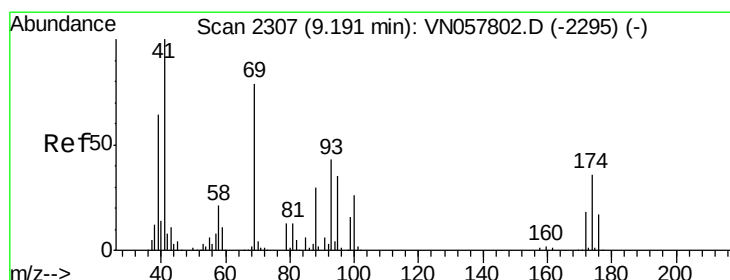
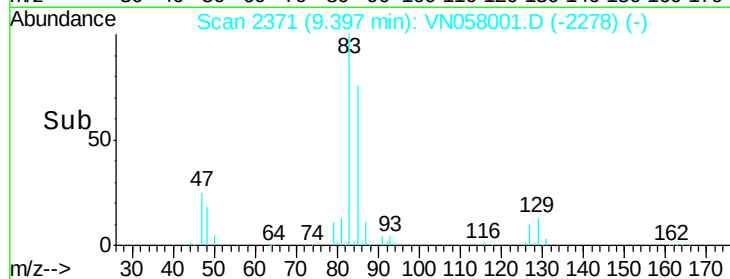
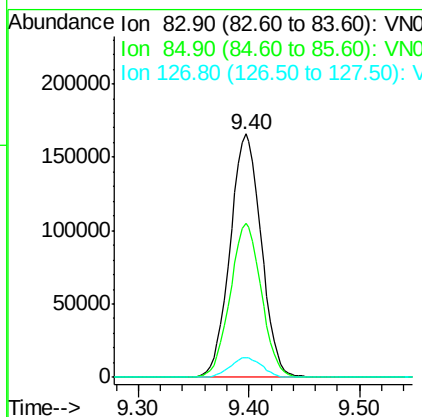
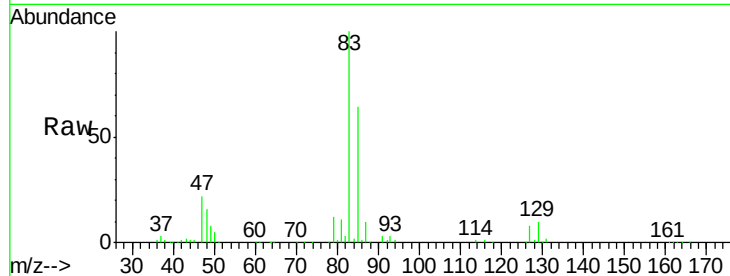
#47
Bromodichloromethane
Concen: 52.275 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	49.9	74.9	
127	8.1	6.5	9.7	

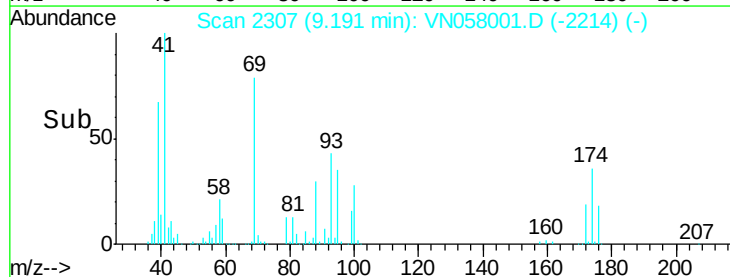
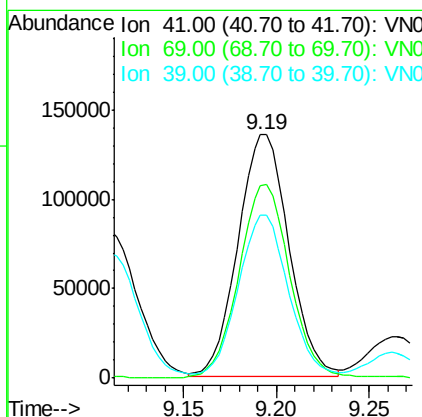
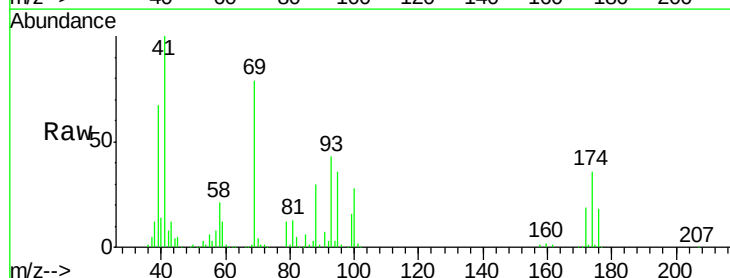
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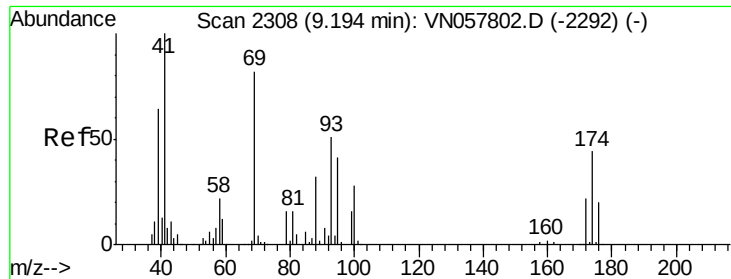
MMDadoda
9/13/2019 1:03:48 PM



#48
Methyl methacrylate
Concen: 50.276 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.7	62.7	94.1	
39	66.2	52.7	79.1	





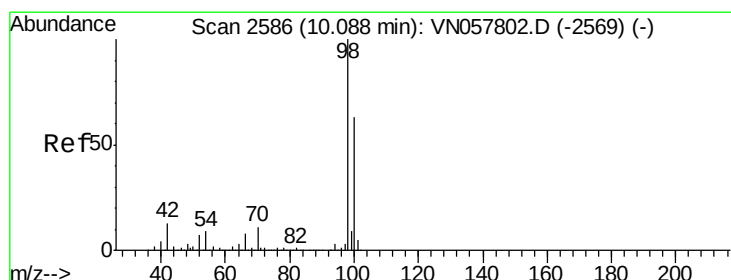
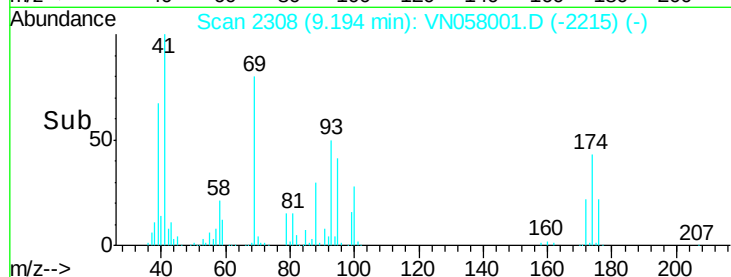
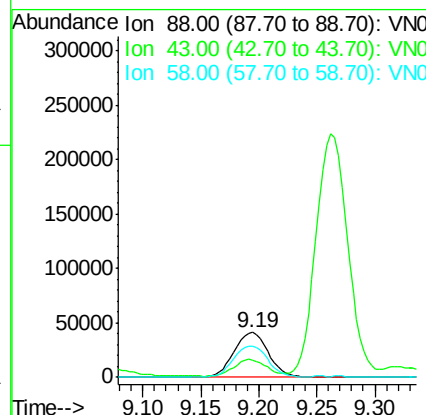
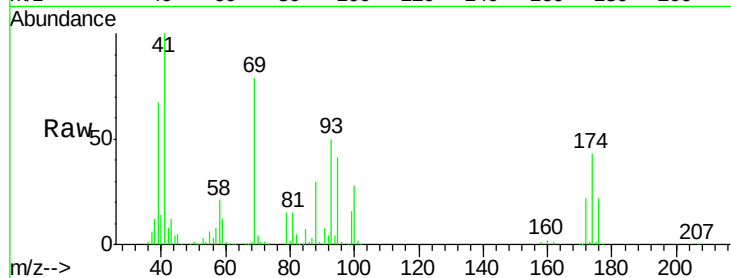
#49
1,4-Dioxane
Concen: 973.448 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.5	42.7
58	71.1	55.8	83.6

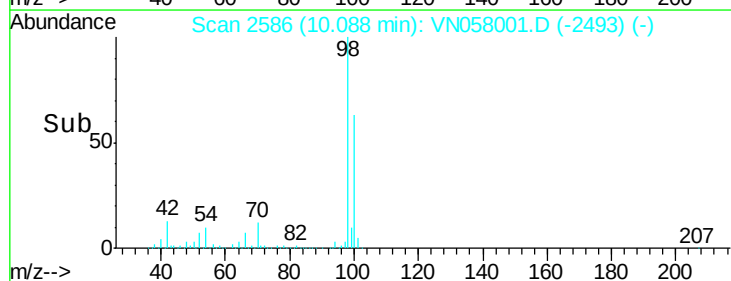
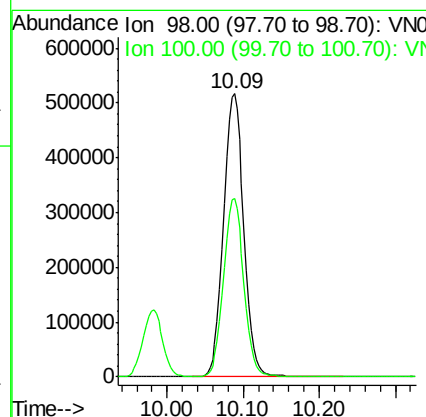
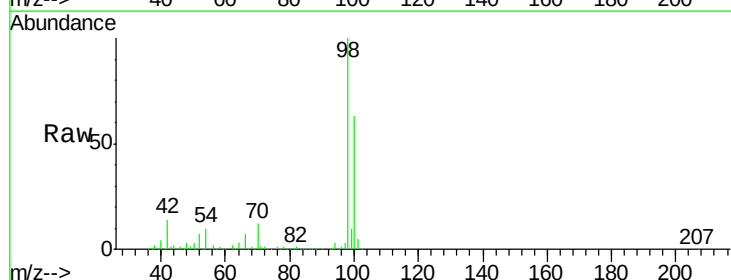
Manual Integrations
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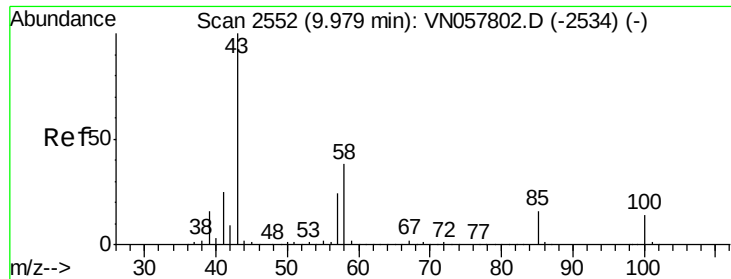
MMDadoda
9/13/2019 1:03:48 PM



#50
Toluene-d8
Concen: 52.763 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 275.464 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1664055

Ion Ratio Lower Upper

43 100

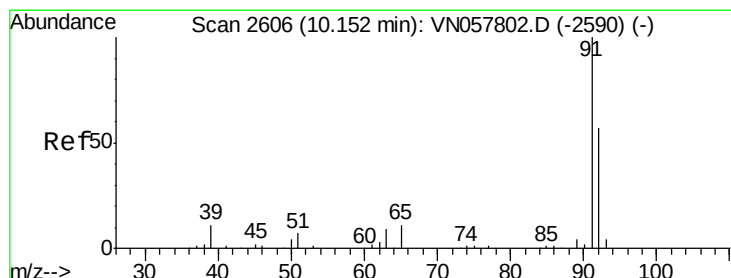
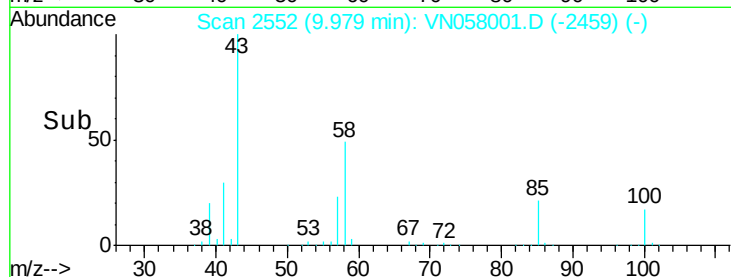
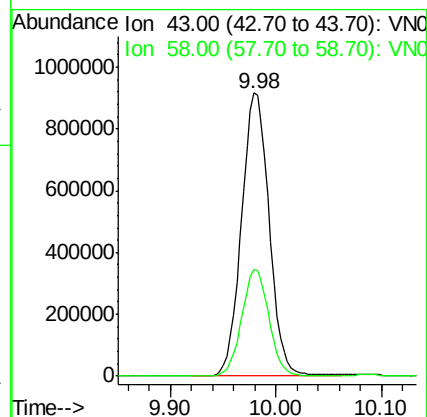
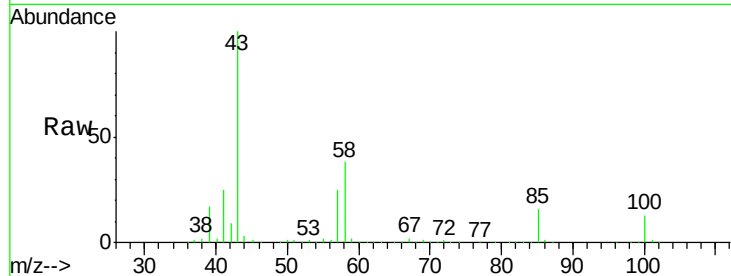
58 37.2 29.8 44.6

Manual Integrations

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9/13/2019 1:03:48 PM



#52

Toluene

Concen: 48.962 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058001.D

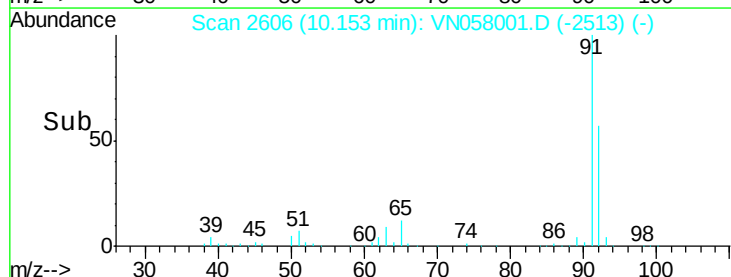
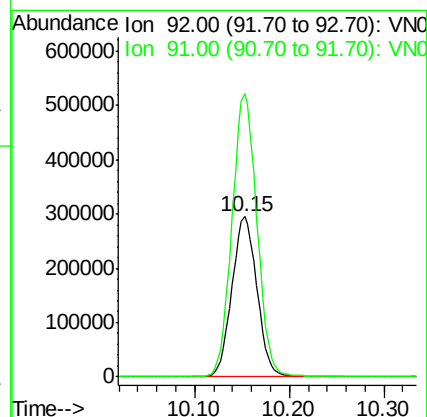
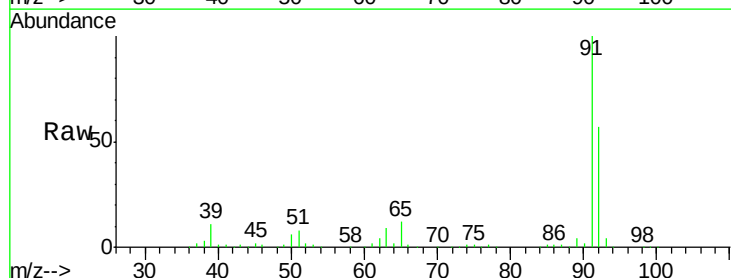
Acq: 13 Sep 2019 3:27

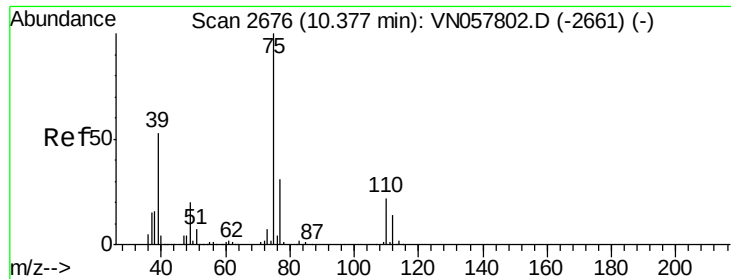
Tgt Ion: 92 Resp: 545481

Ion Ratio Lower Upper

92 100

91 175.3 141.0 211.6





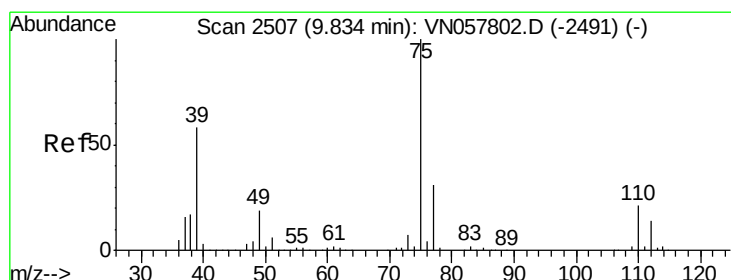
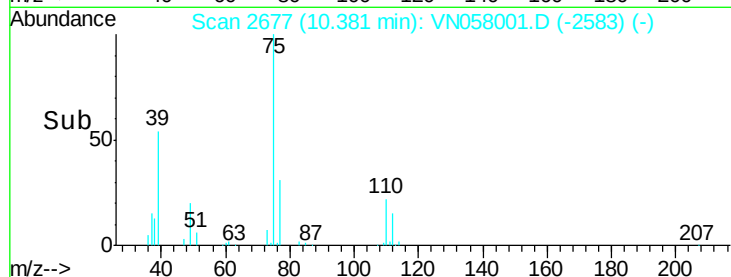
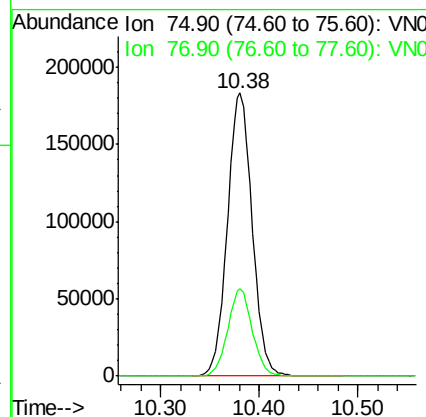
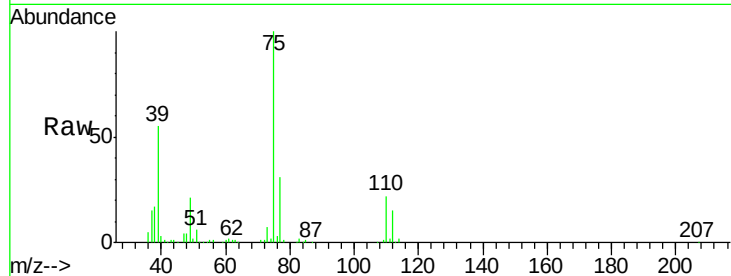
#53
t-1,3-Dichloropropene
Concen: 49.339 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.5	36.7

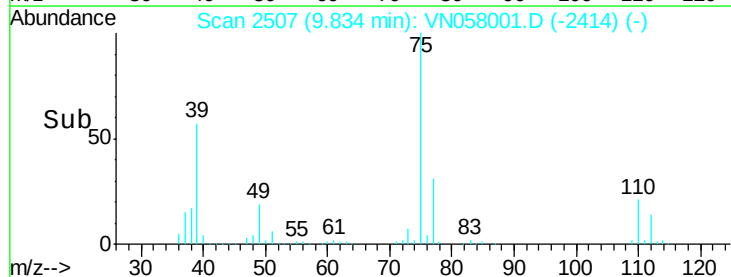
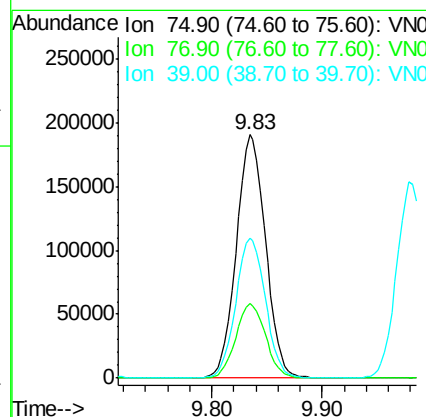
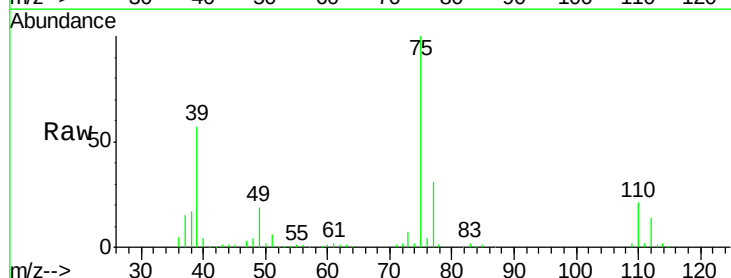
Manual Integrations
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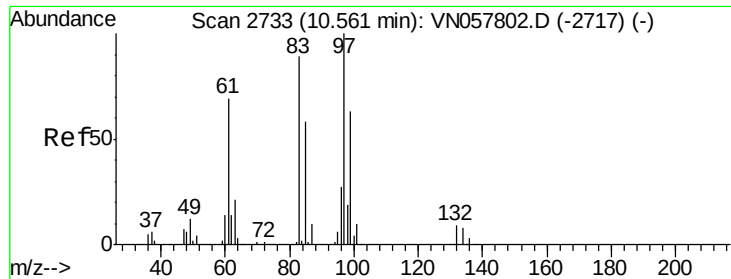
MMDadoda
9/13/2019 1:03:48 PM



#54
cis-1,3-Dichloropropene
Concen: 48.479 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.8	37.2
39	57.4	46.2	69.4





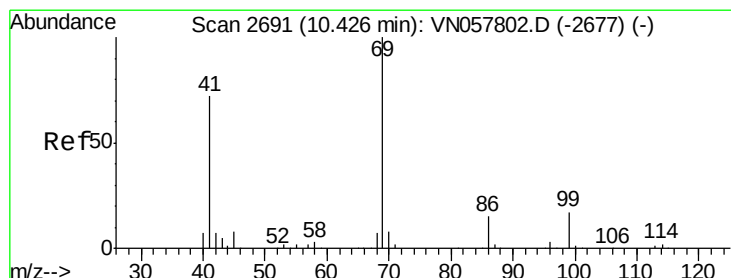
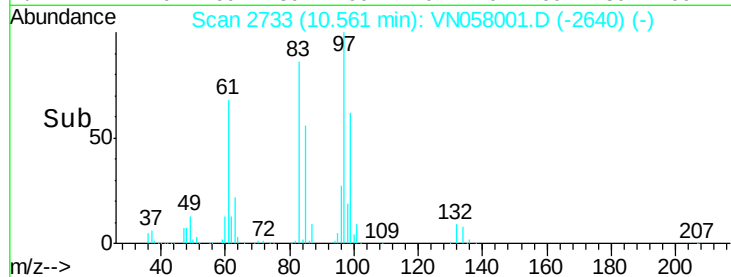
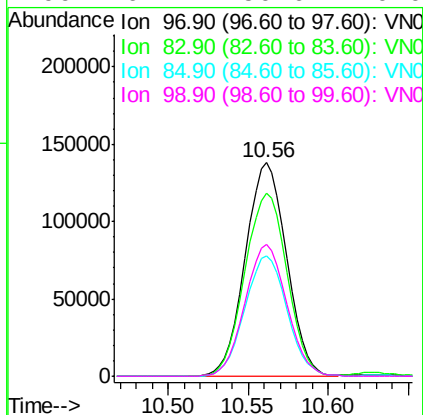
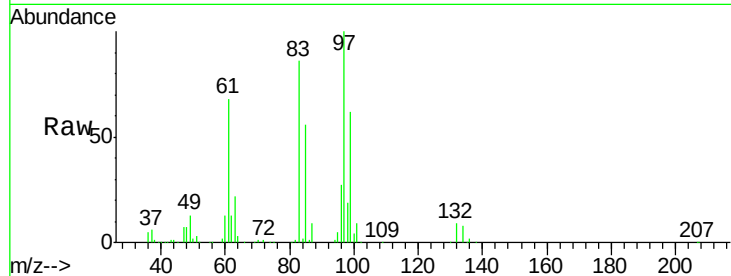
#55
 1,1,2-Trichloroethane
 Concen: 51.747 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		244200		
83	85.5	70.8	106.2		
85	56.2	46.0	69.0		
99	61.7	50.6	76.0		

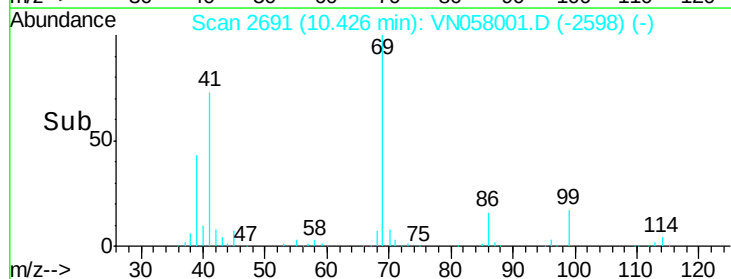
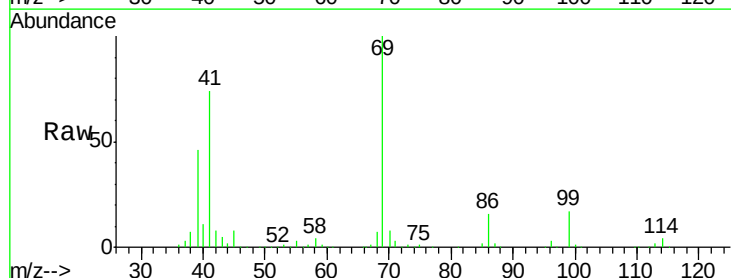
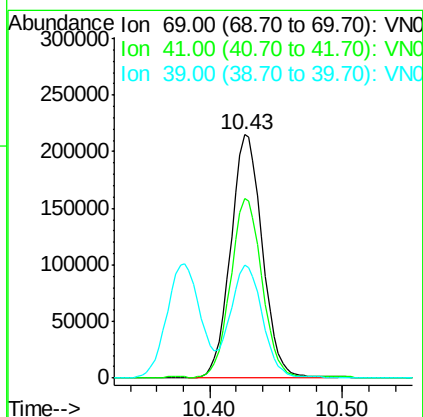
Manual Integrations
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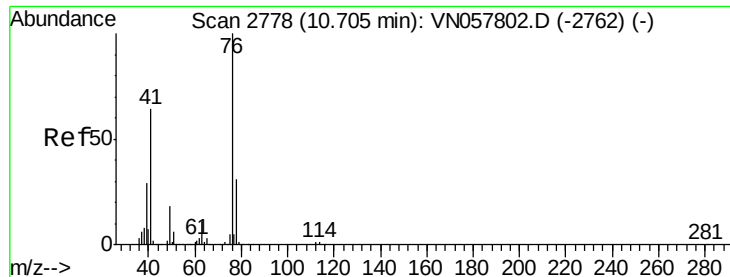
MMDadoda
 9/13/2019 1:03:48 PM



#56
 Ethyl methacrylate
 Concen: 50.367 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		357934		
41	72.4	56.7	85.1		
39	47.1	36.3	54.5		





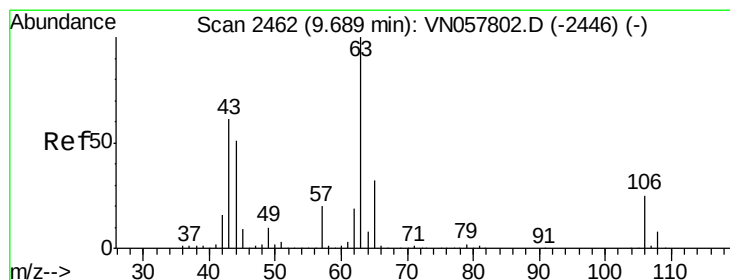
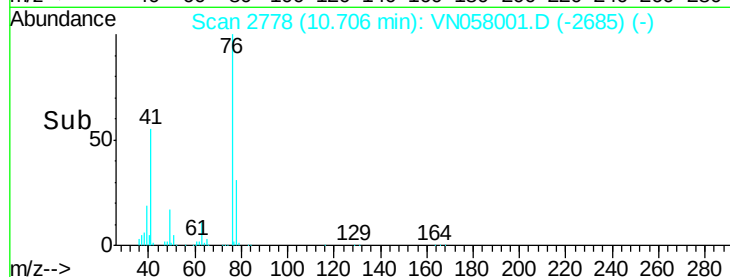
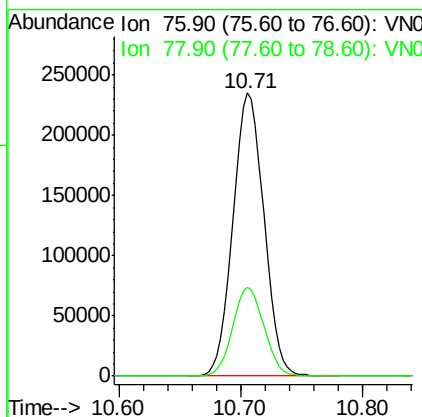
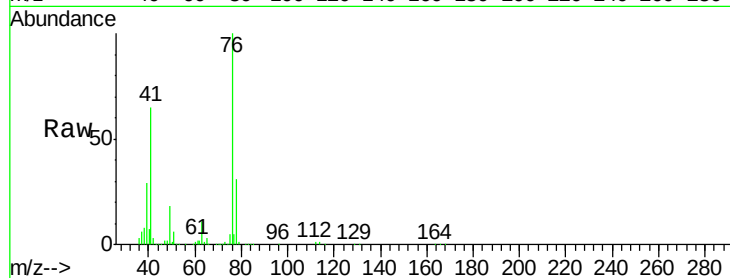
#57
 1,3-Dichloropropane
 Concen: 50.996 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 414741
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.2

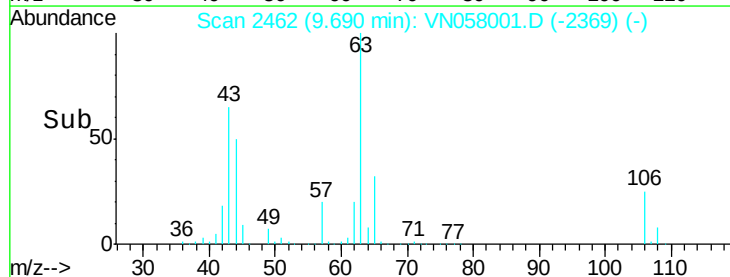
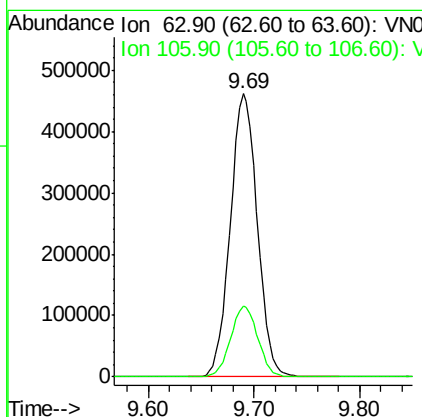
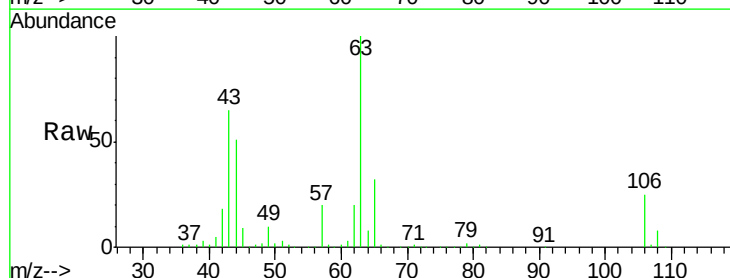
Manual Integrations
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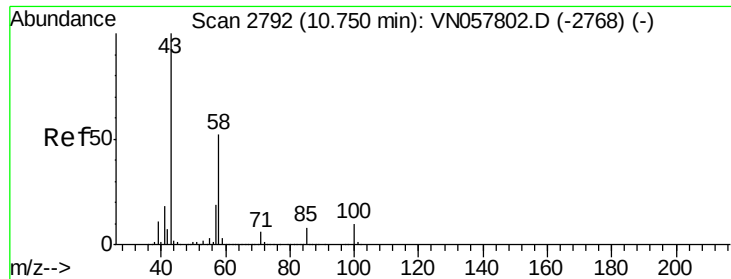
MMDadoda
 9/13/2019 1:03:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.276 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion: 63 Resp: 817621
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.0 30.0





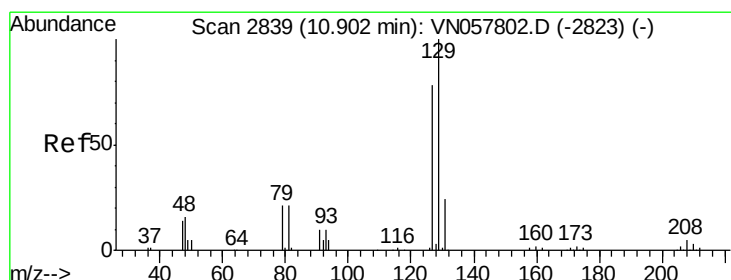
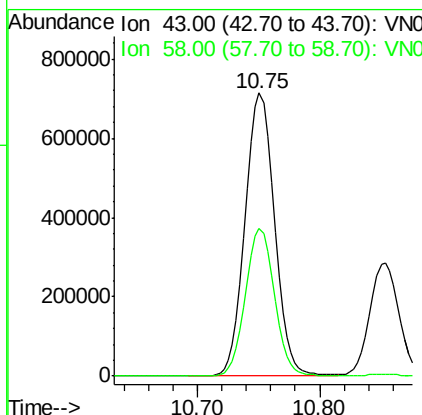
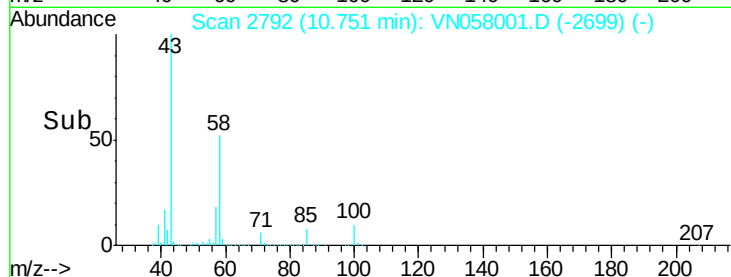
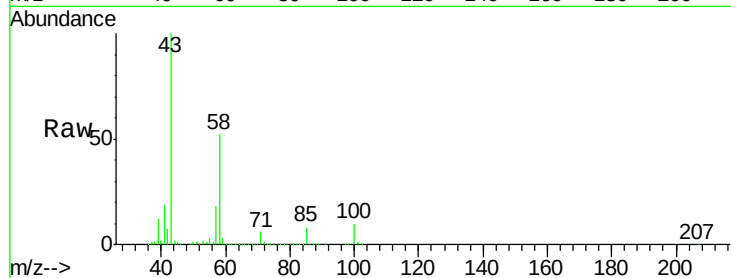
#59
2-Hexanone
Concen: 261.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1184710
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8

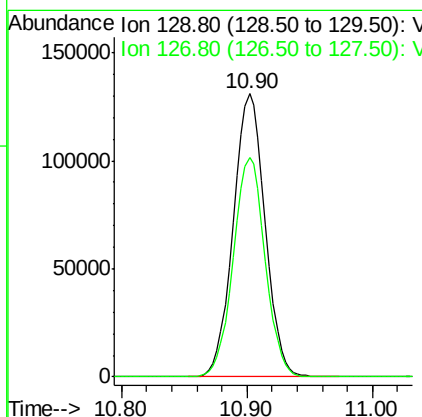
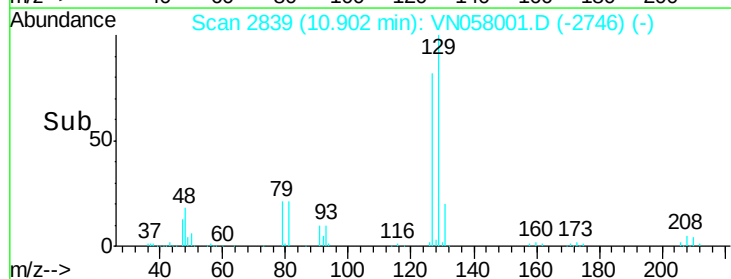
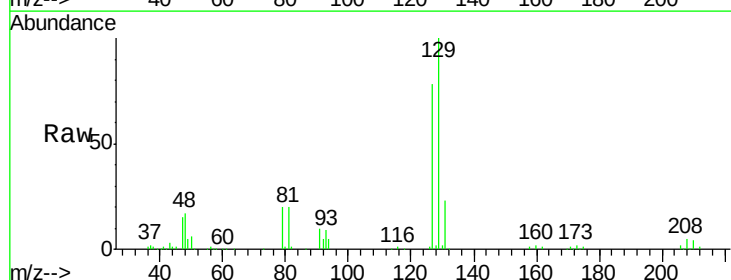
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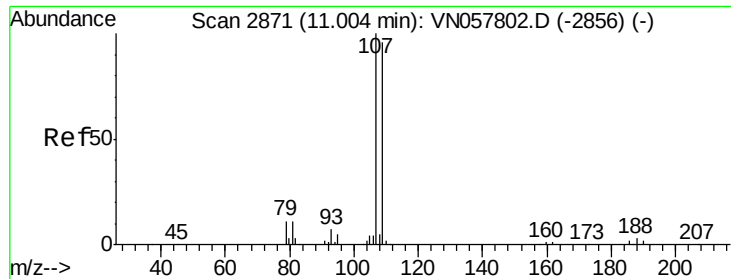
MMDadoda
9/13/2019 1:03:48 PM



#60
Dibromochloromethane
Concen: 52.551 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 129 Resp: 230286
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.366 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 229170

Ion Ratio Lower Upper

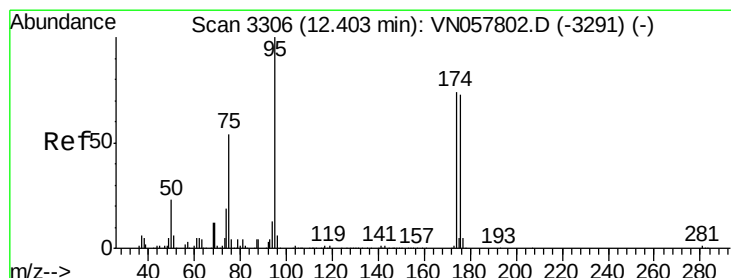
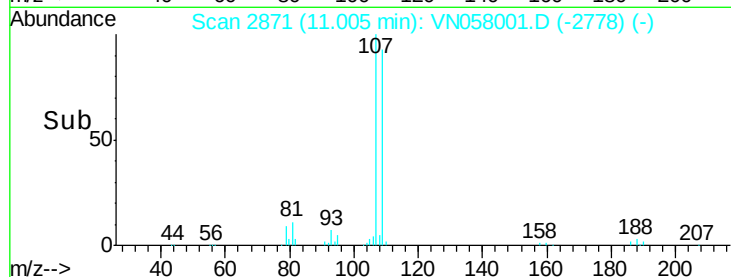
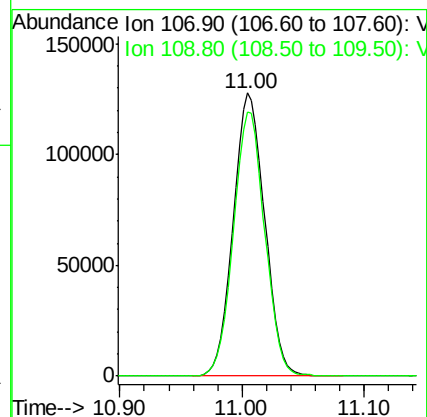
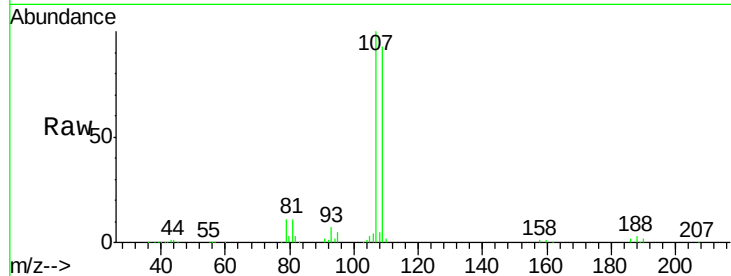
107 100

109 93.1 75.3 112.9

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9/13/2019 1:03:48 PM



#62

4-Bromofluorobenzene

Concen: 50.297 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

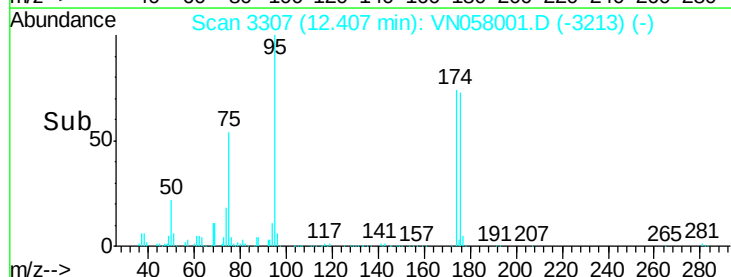
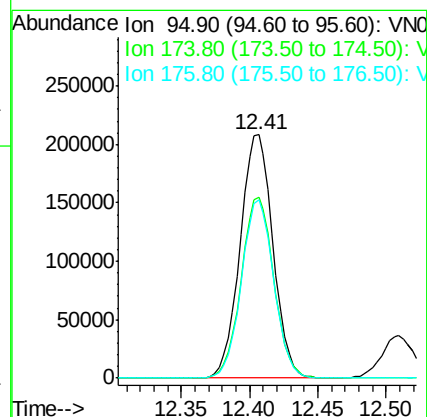
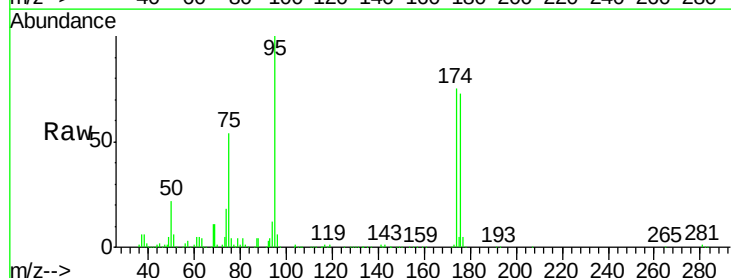
Tgt Ion: 95 Resp: 347969

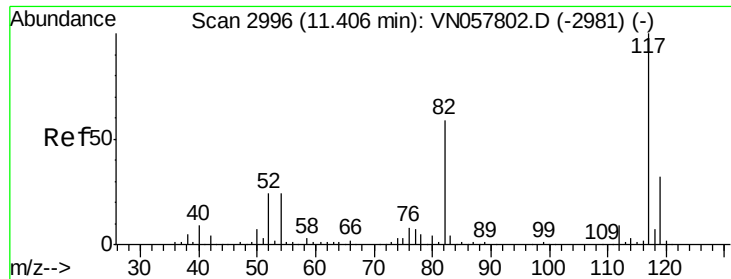
Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

176 72.0 0.0 146.0





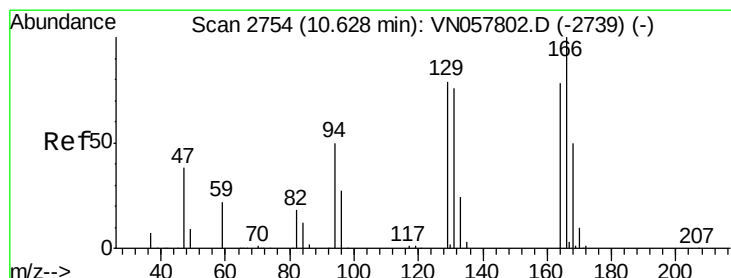
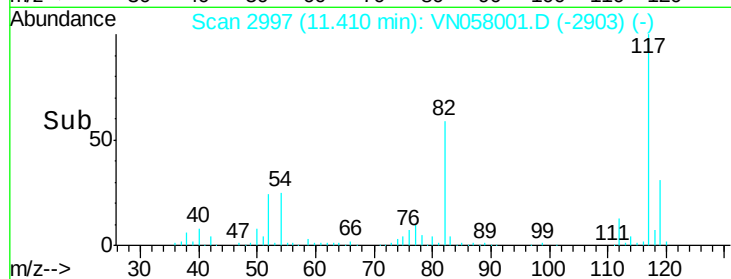
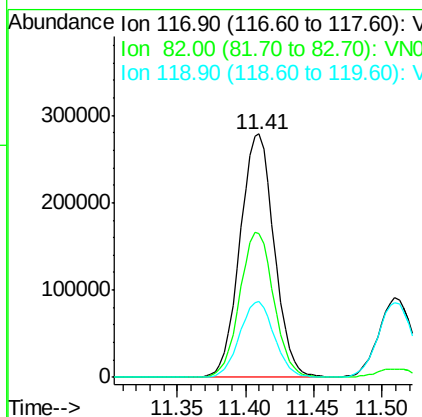
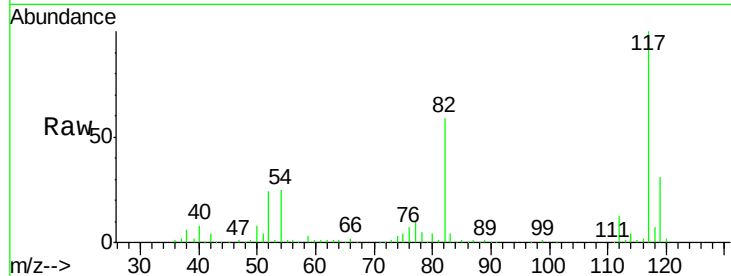
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	485566		
82	59.3	47.2	70.8	
119	31.0	25.3	37.9	

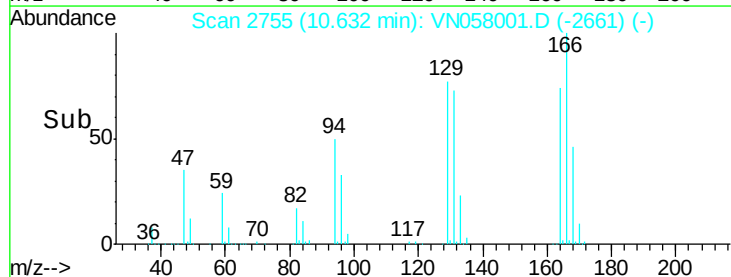
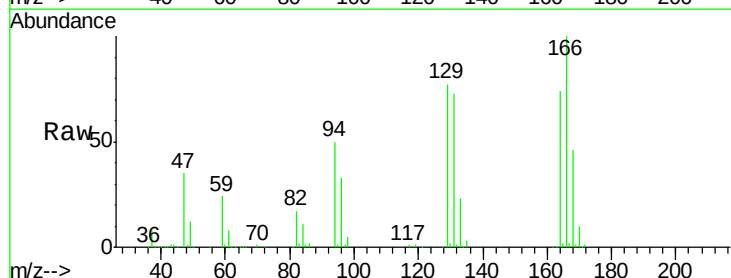
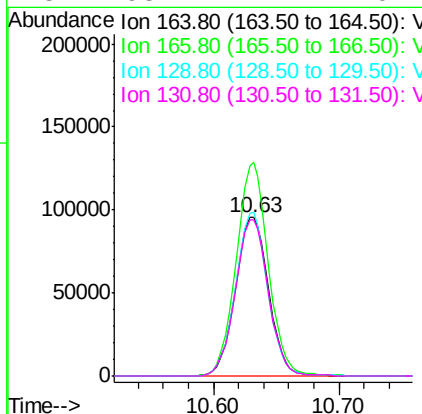
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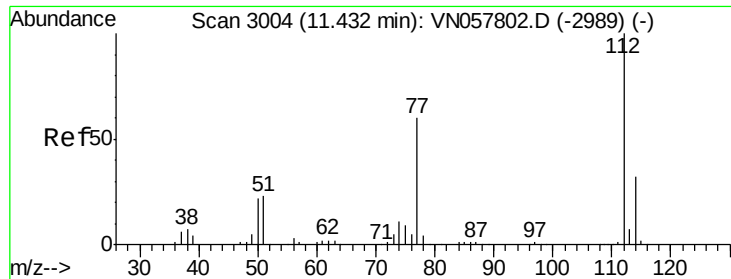
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9/13/2019 1:03:48 PM



#64
Tetrachloroethene
Concen: 48.955 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175511		
166	135.0	102.2	153.2	
129	103.5	80.8	121.2	
131	98.7	77.4	116.2	





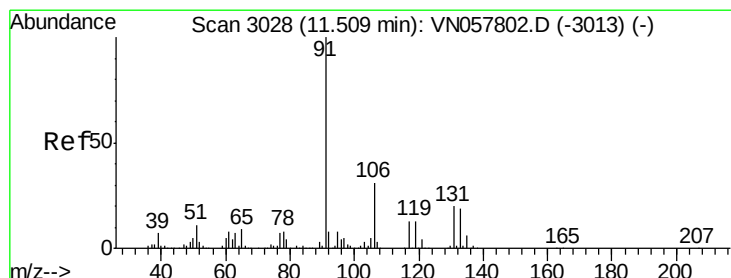
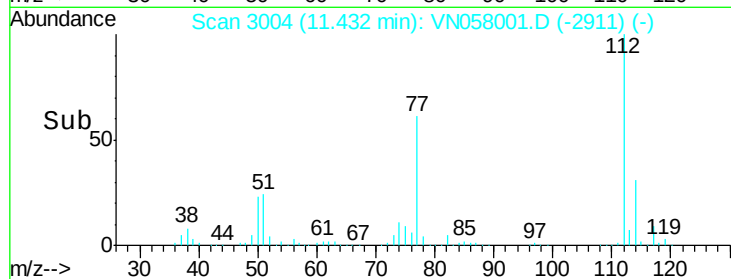
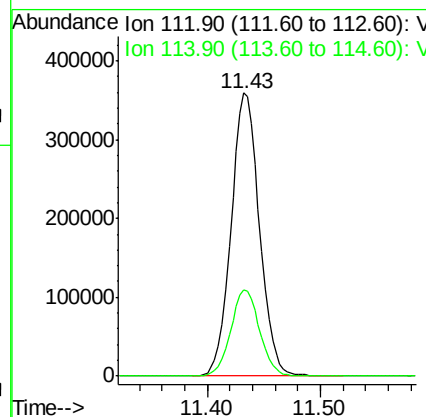
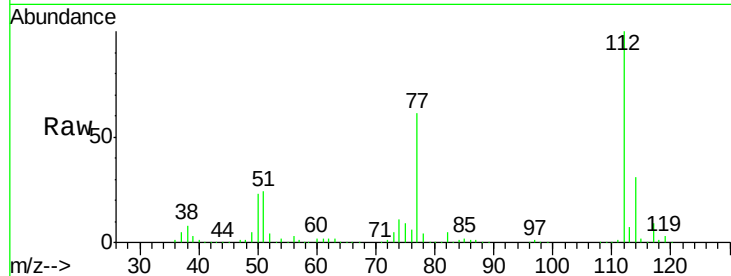
#65
Chlorobenzene
Concen: 49.023 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 622962
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8

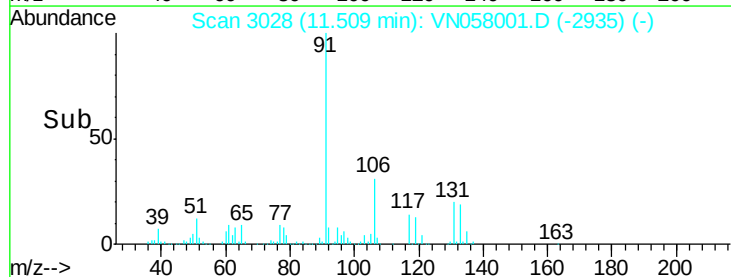
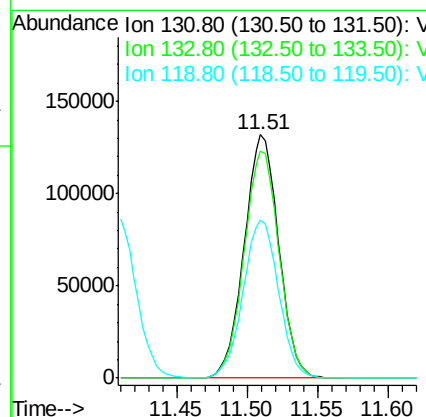
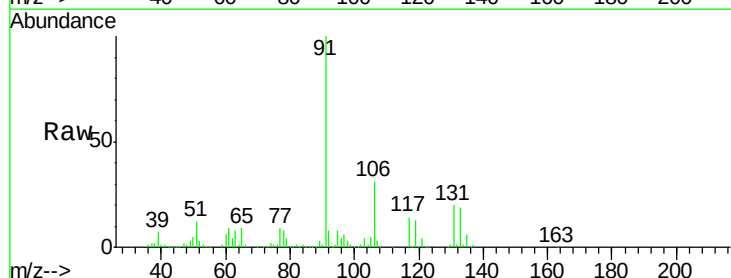
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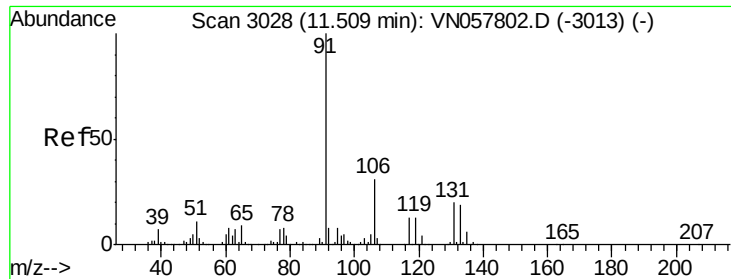
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9/13/2019 1:03:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.432 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion:131 Resp: 226786
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 66.7 33.3 99.8





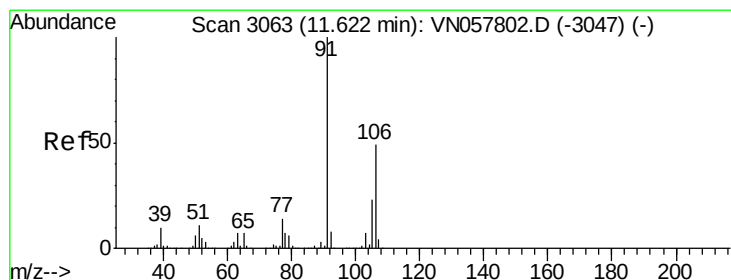
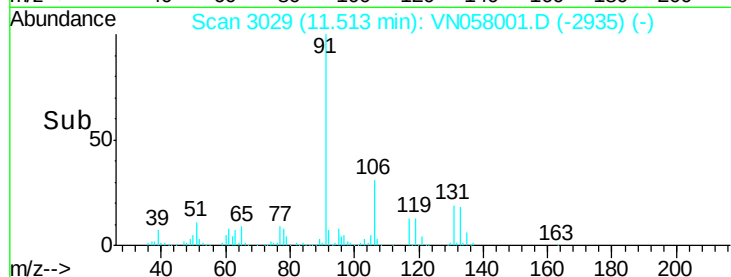
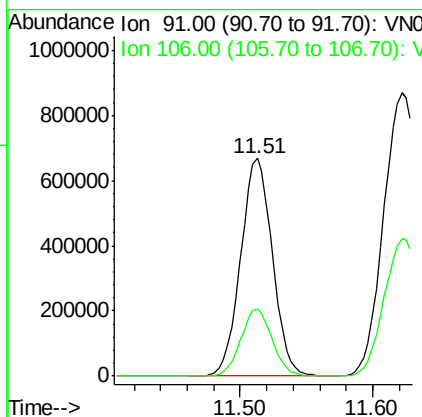
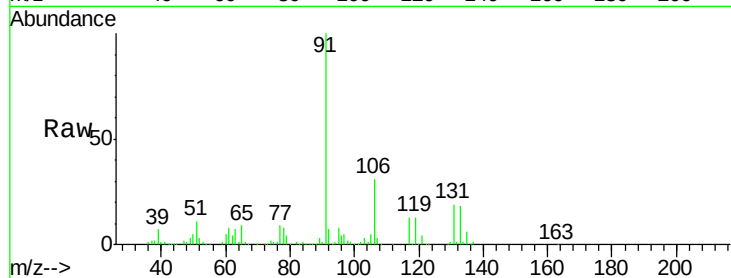
#67
Ethyl Benzene
Concen: 49.818 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1109485
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6

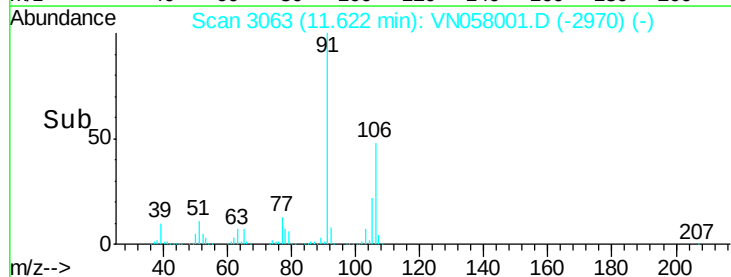
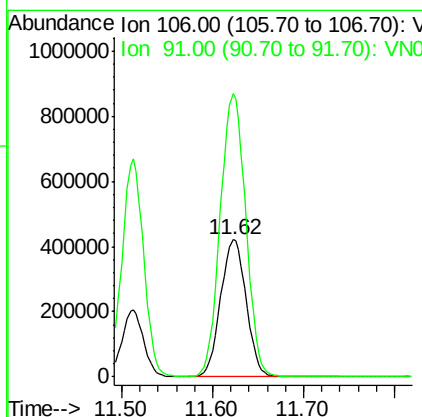
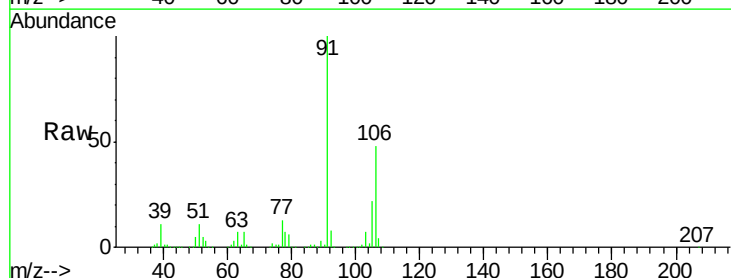
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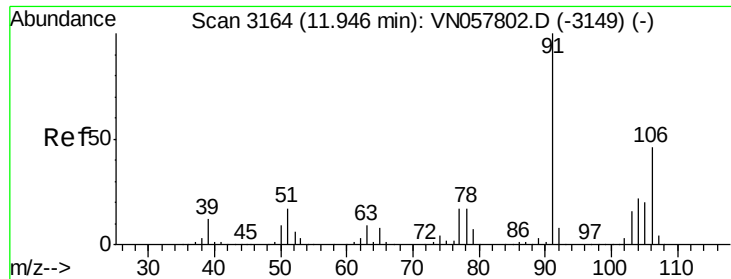
MMDadoda
9/13/2019 1:03:48 PM



#68
m/p-Xylenes
Concen: 100.814 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 106 Resp: 822408
Ion Ratio Lower Upper
106 100
91 206.1 165.8 248.6





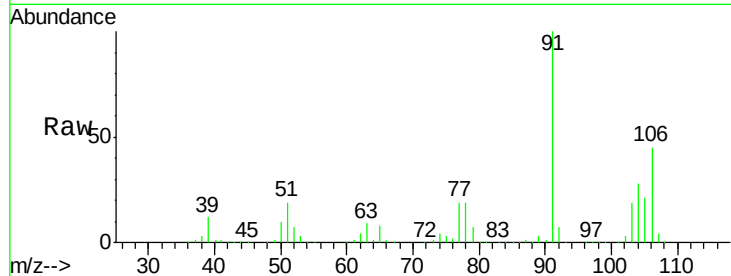
#69
o-Xylene
Concen: 49.581 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

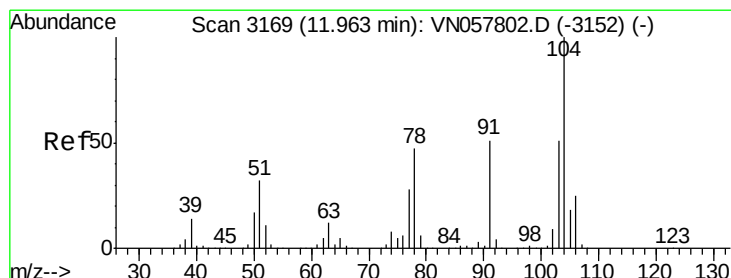
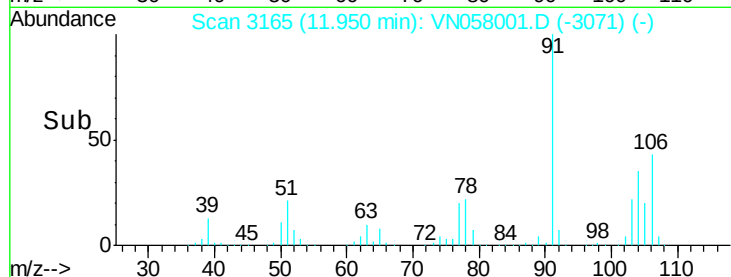
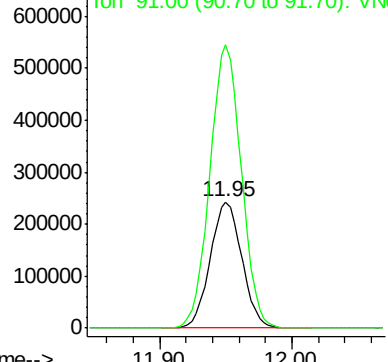
Tot Ion:106 Resp: 402104
Ion Ratio Lower Upper
106 100
91 223.4 108.7 326.1

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9/13/2019 1:03:48 PM

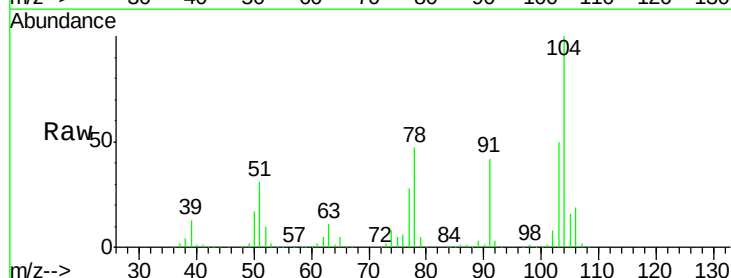


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

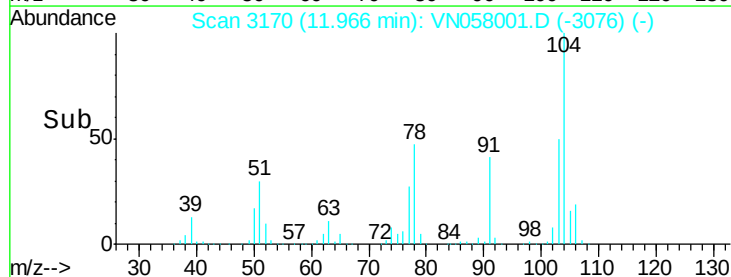
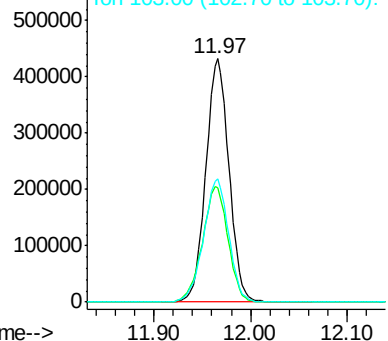


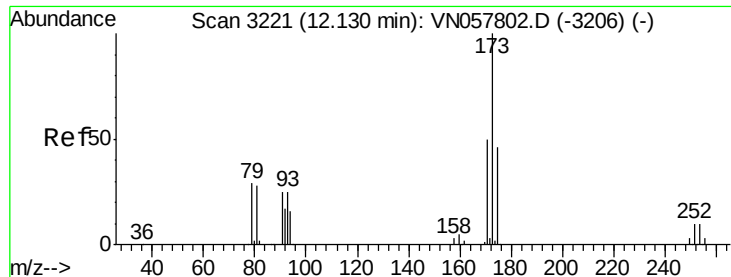
#70
Styrene
Concen: 51.530 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion:104 Resp: 719206
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 54.9 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.242 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 143619

Ion Ratio Lower Upper

173 100

175 48.5 23.5 70.6

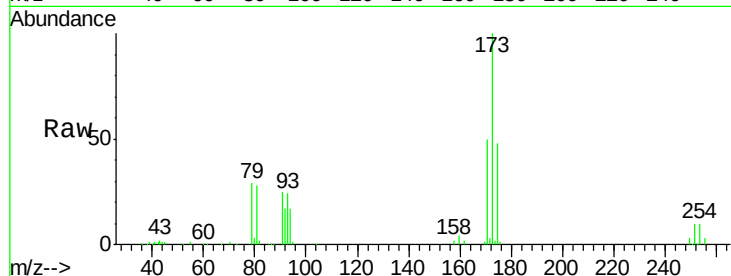
254 0.0 0.1 0.1#

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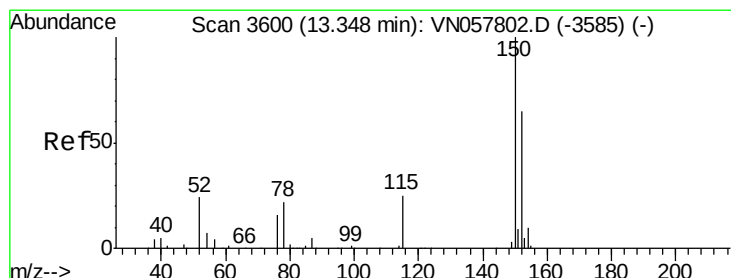
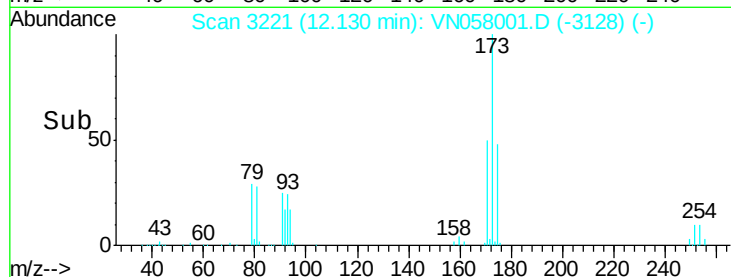
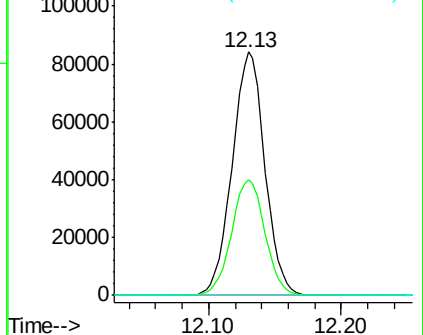
9/13/2019 1:03:48 PM



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: VN058001.D

Acq: 13 Sep 2019 3:27

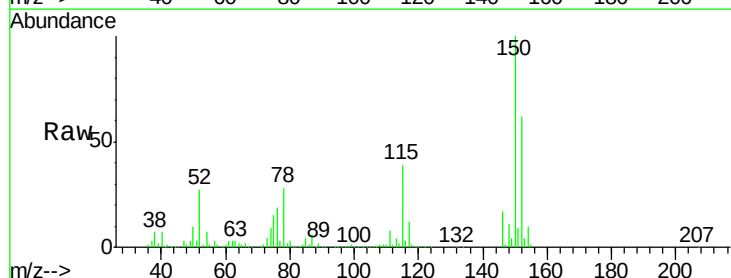
Tgt Ion:152 Resp: 296170

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

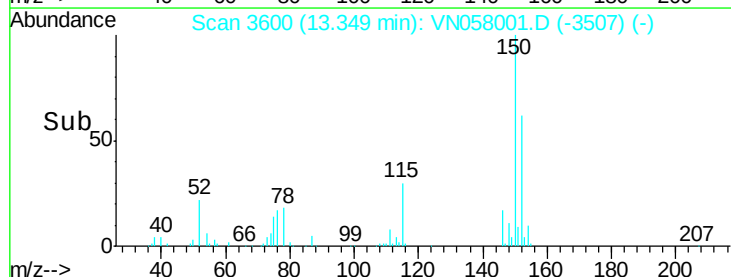
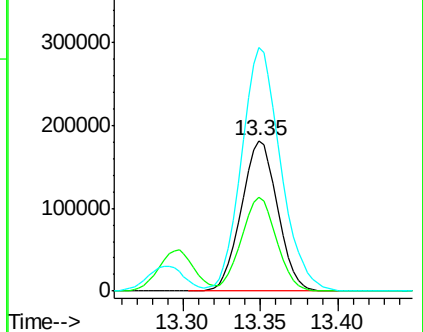
150 174.7 0.0 352.4

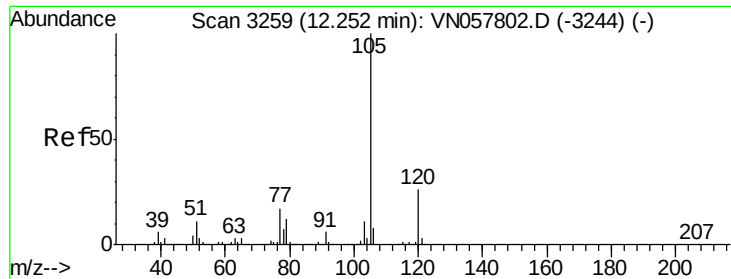


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.590 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1139662

Ion Ratio Lower Upper

105 100

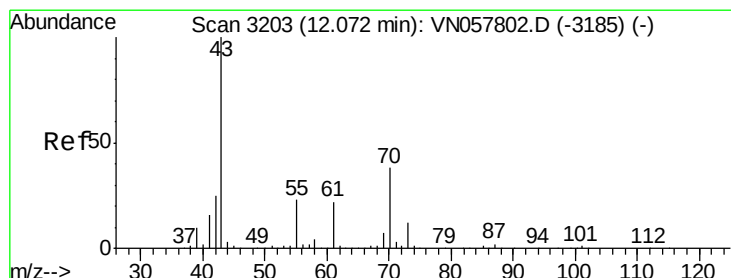
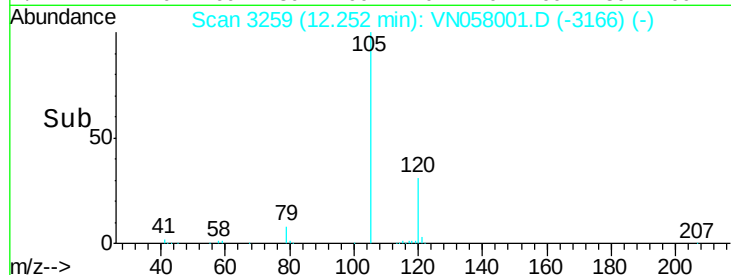
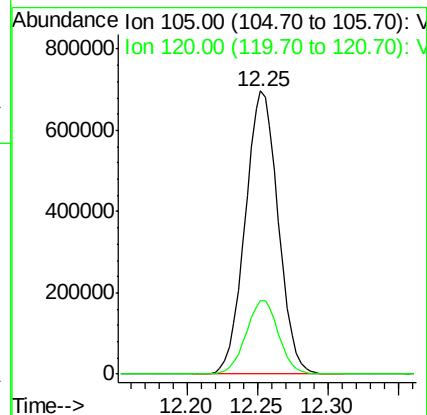
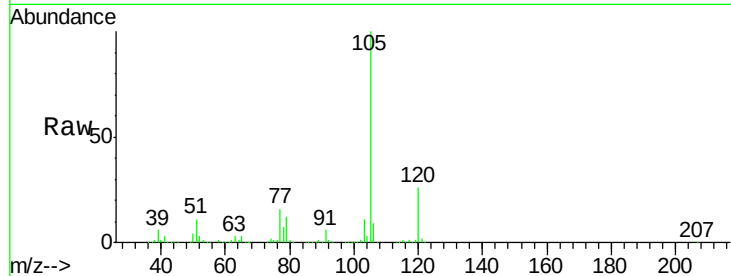
120 25.7 12.8 38.4

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9/13/2019 1:03:48 PM



#74

N-ethyl acetate

Concen: 49.180 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion: 43 Resp: 491886

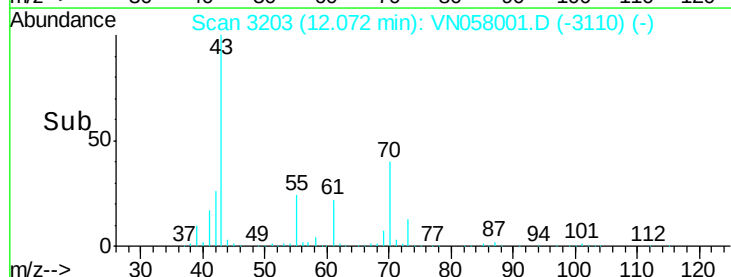
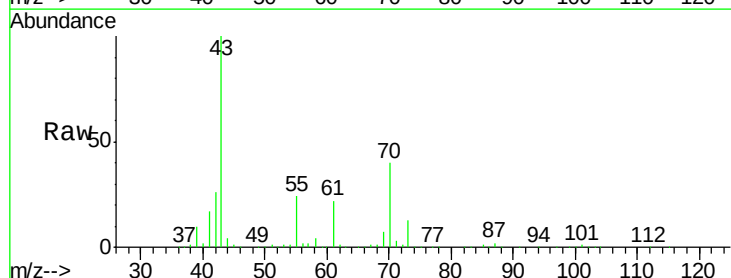
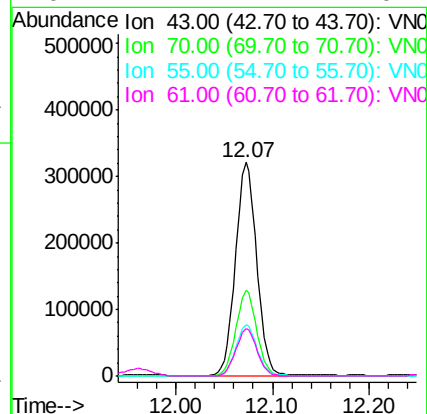
Ion Ratio Lower Upper

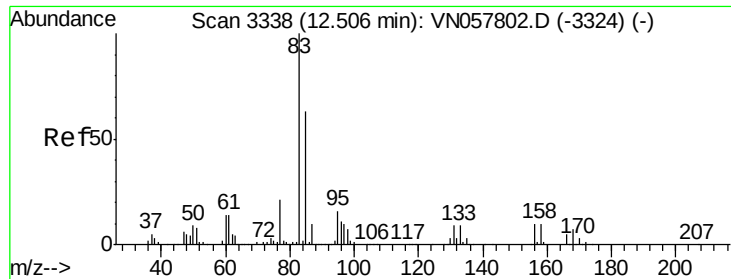
43 100

70 39.5 30.6 45.8

55 24.1 18.6 27.8

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.413 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

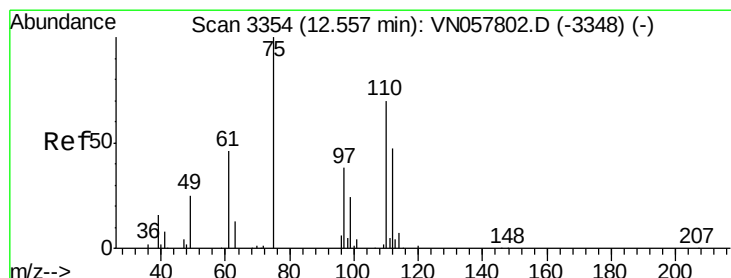
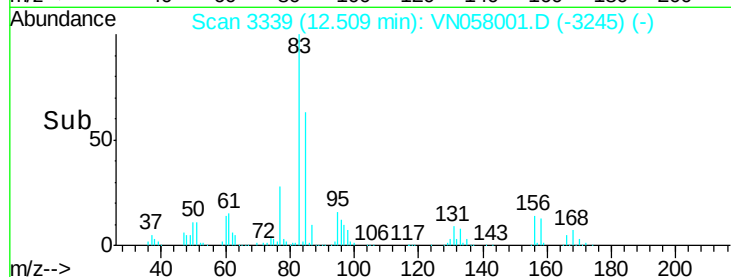
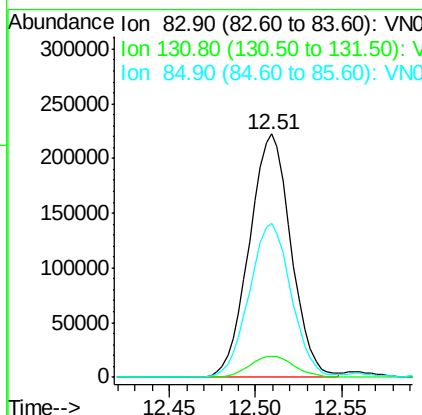
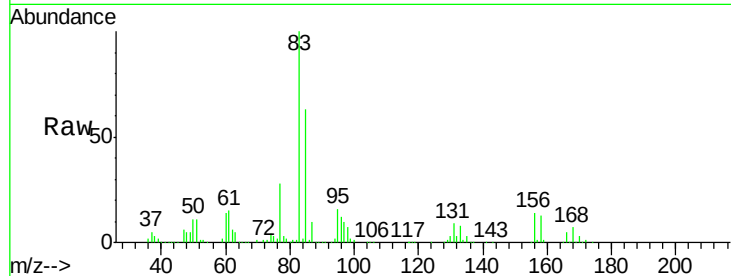
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	374622
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.5	31.6	94.7

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9/13/2019 1:03:48 PM



#76

1,2,3-Trichloropropane

Concen: 46.969 ug/l m

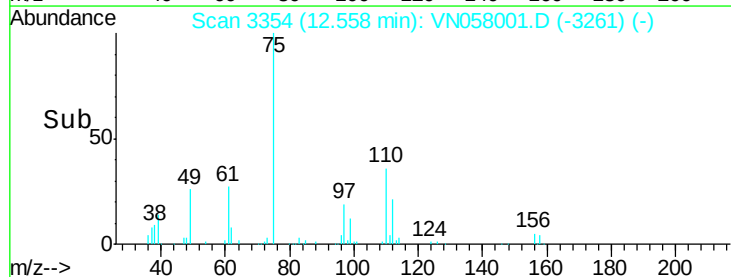
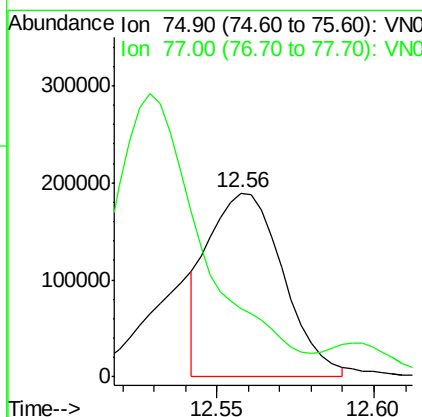
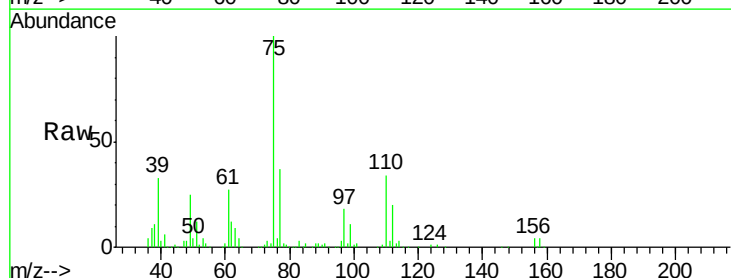
RT: 12.56 min Scan# 3354

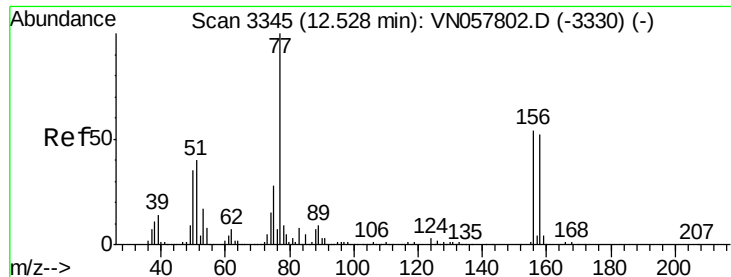
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	75	Resp:	314689
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.265 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

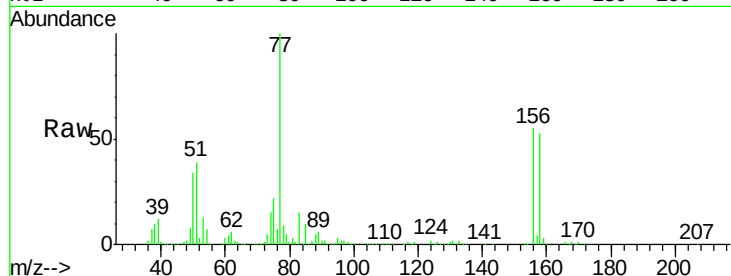
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.4	113.7	341.1
158	97.6	48.5	145.6

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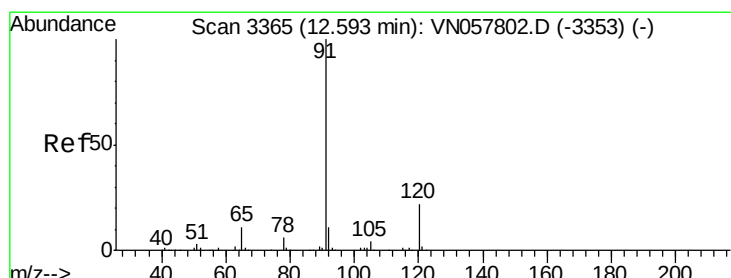
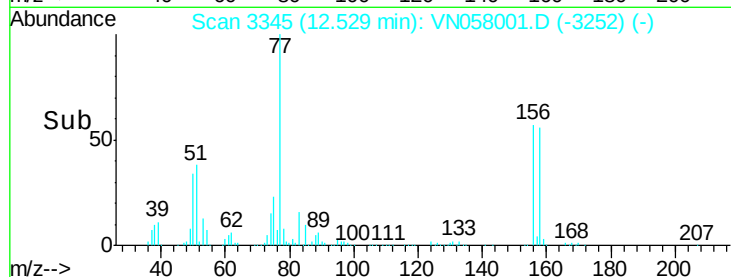
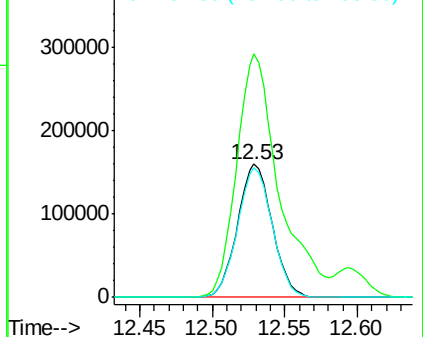


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.418 ug/l

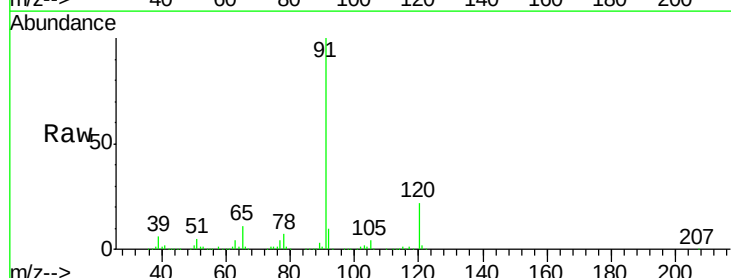
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

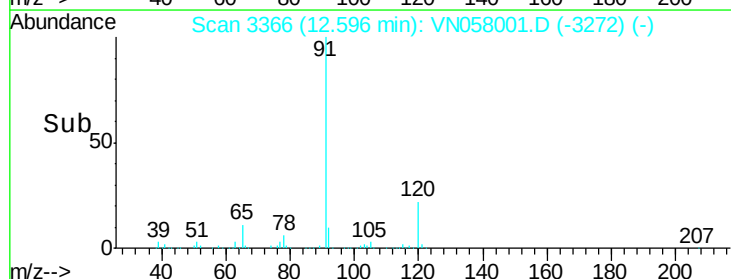
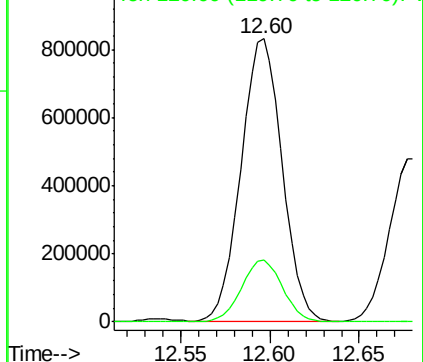
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1

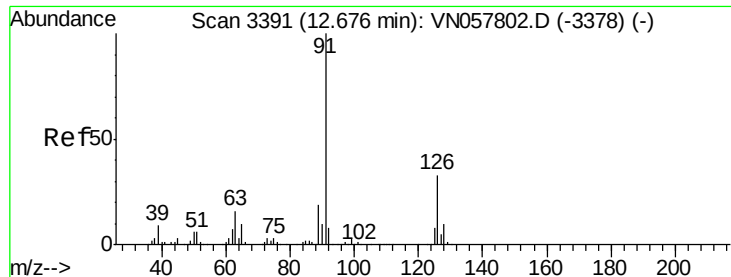


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.617 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 794221

Ion Ratio Lower Upper

91 100

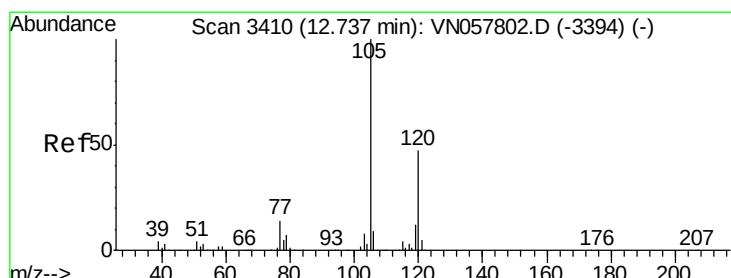
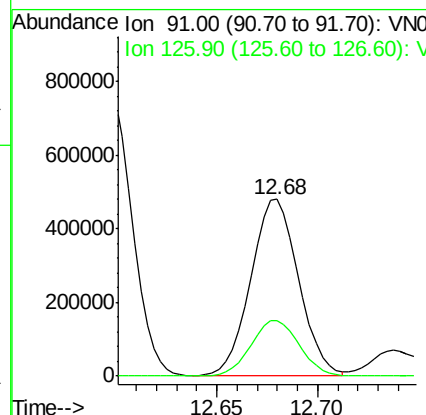
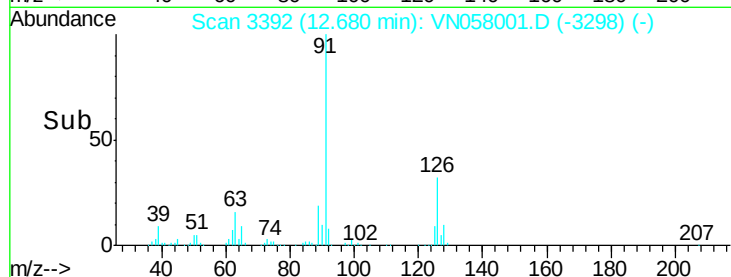
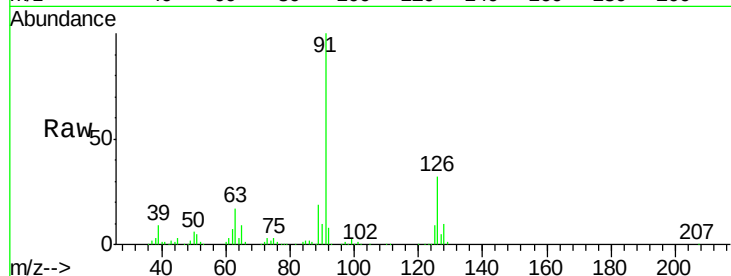
126 32.0 16.4 49.2

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9/13/2019 1:03:48 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.673 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058001.D

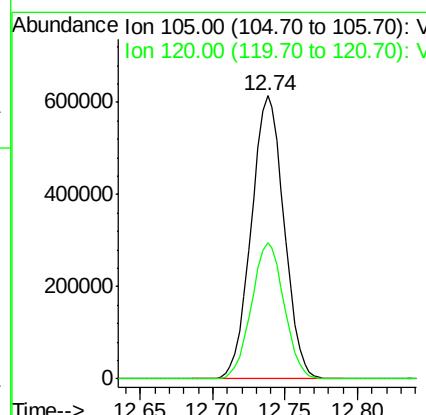
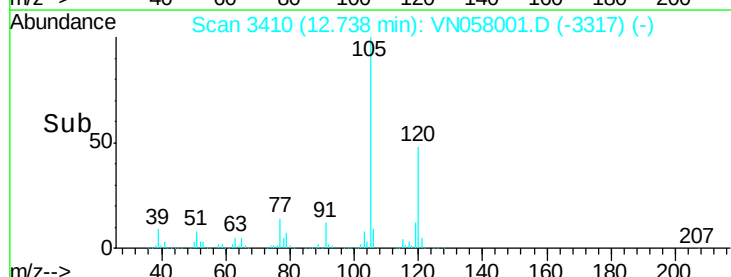
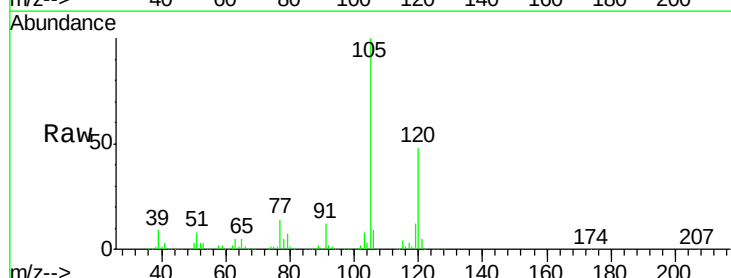
Acq: 13 Sep 2019 3:27

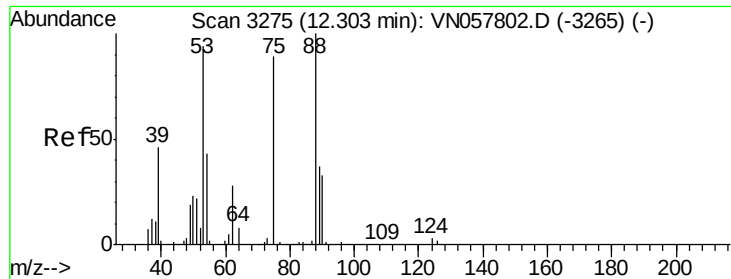
Tgt Ion: 105 Resp: 964558

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1





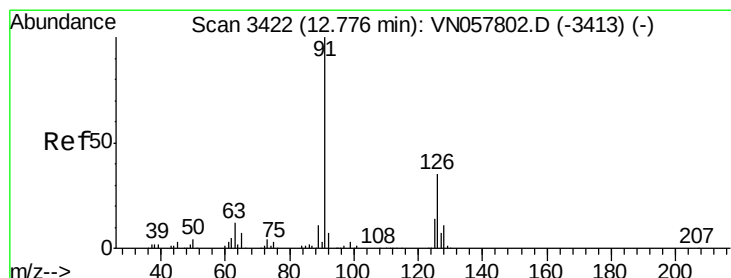
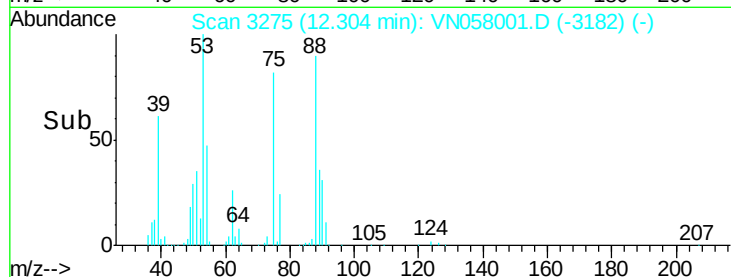
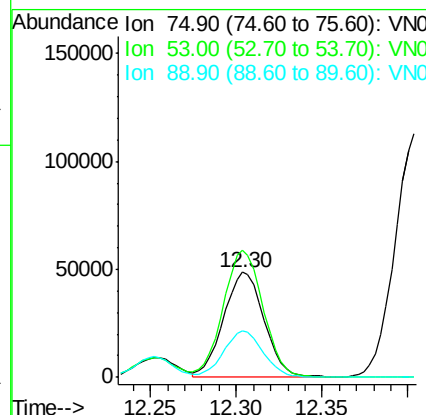
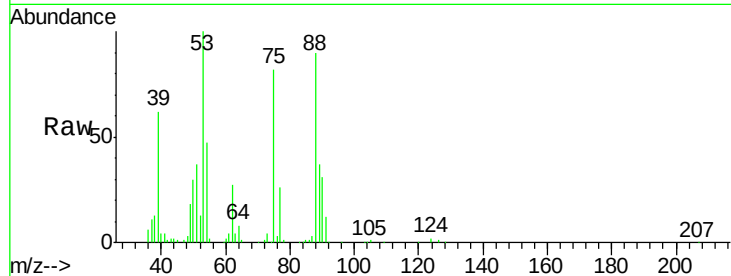
#81
trans-1,4-Dichloro-2-butene
Concen: 42.137 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.5	88.4	132.6
89	43.5	35.3	52.9

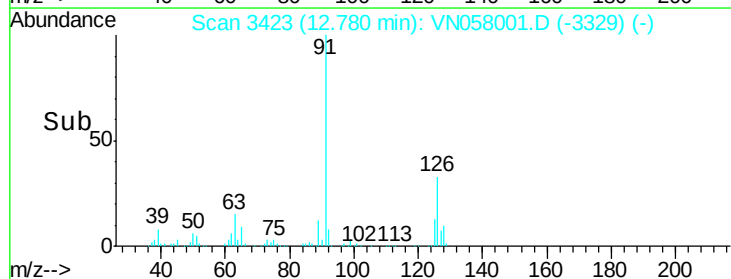
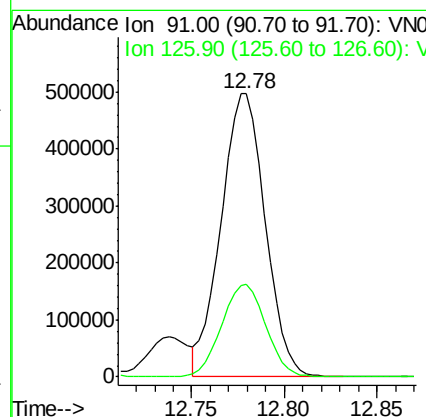
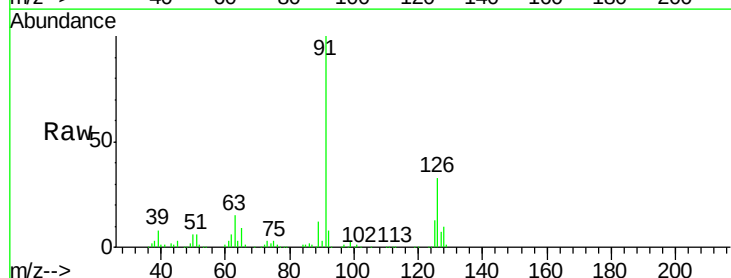
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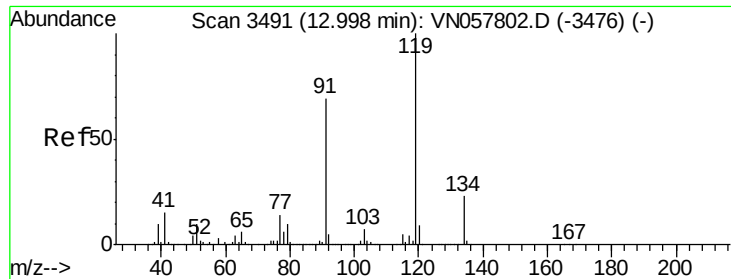
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9/13/2019 1:03:48 PM



#82
4-Chlorotoluene
Concen: 47.771 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0





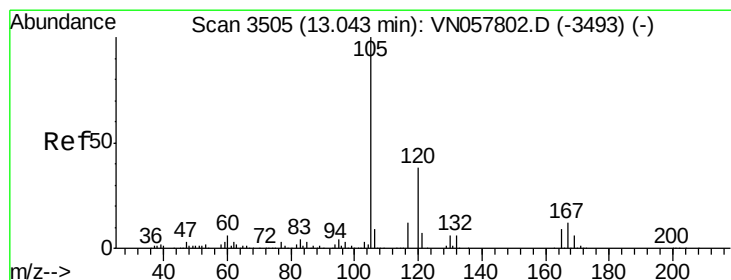
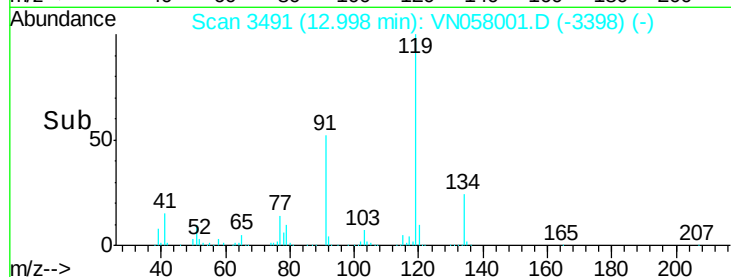
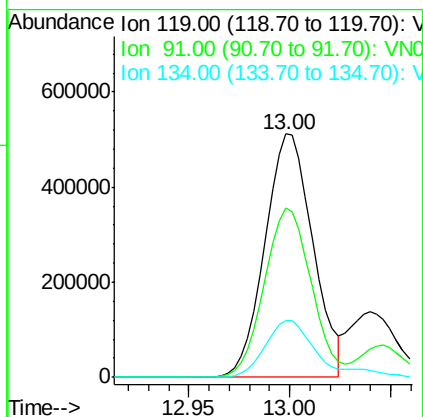
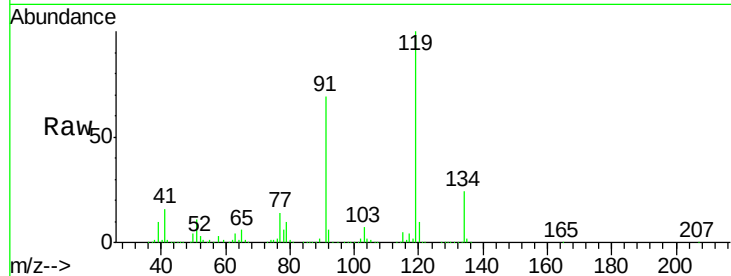
#83
 tert-Butylbenzene
 Concen: 48.990 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	25.7	11.7	35.0

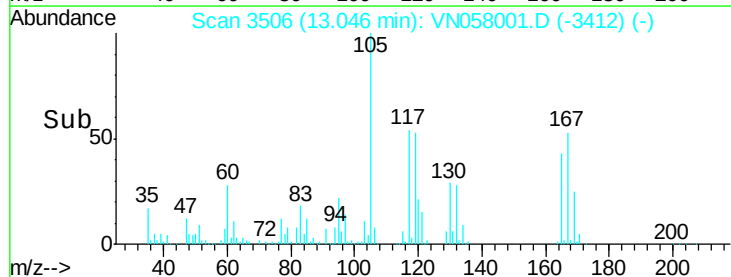
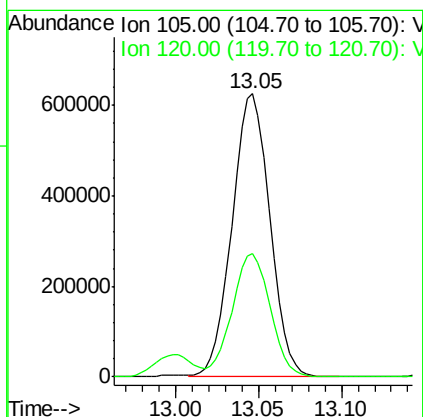
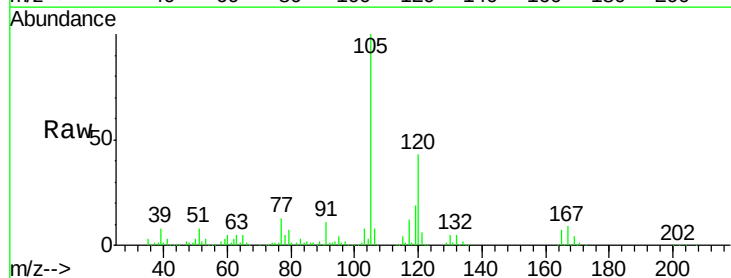
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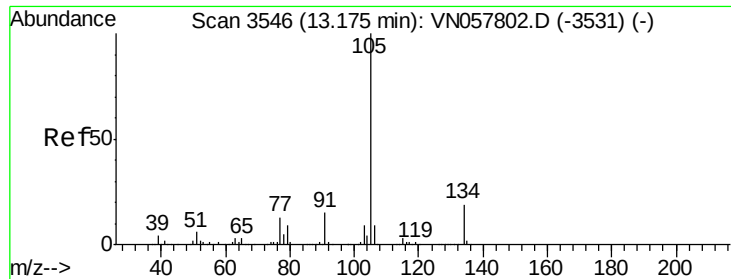
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 9/13/2019 1:03:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.171 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.4	67.2





#85

sec-Butylbenzene

Concen: 50.402 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1153105

Ion Ratio Lower Upper

105 100

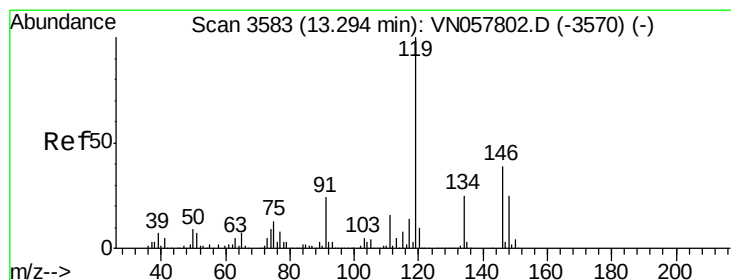
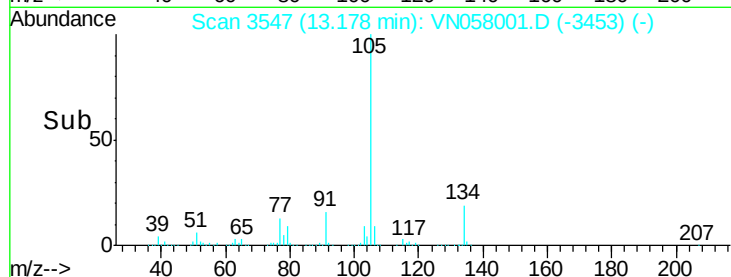
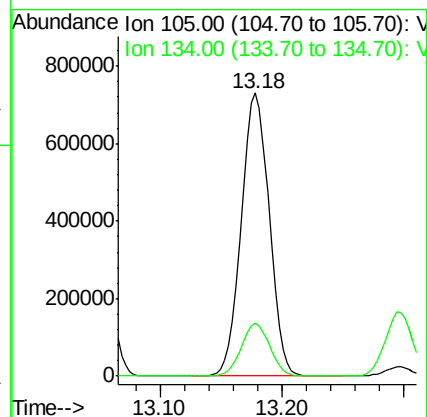
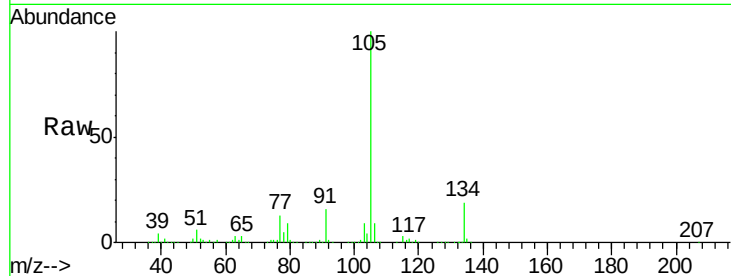
134 19.0 9.6 28.6

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9/13/2019 1:03:48 PM



#86

p-Isopropyltoluene

Concen: 50.993 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

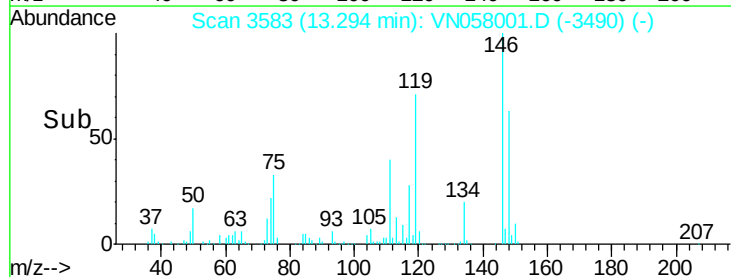
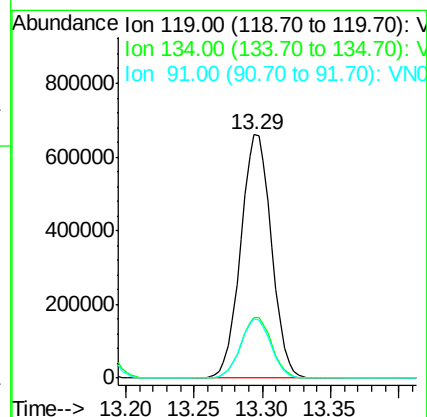
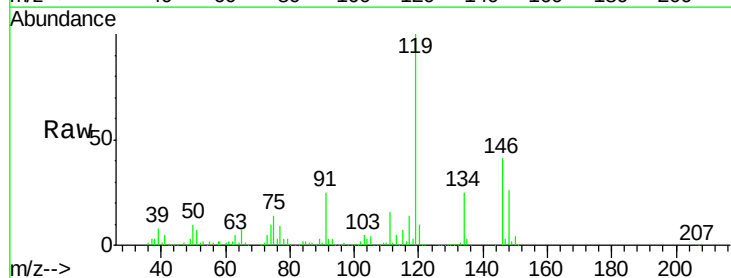
Tgt Ion:119 Resp: 1027916

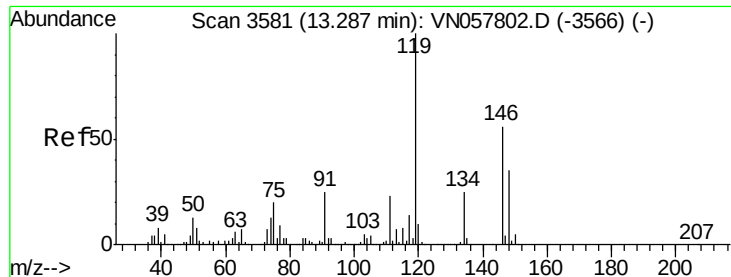
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 48.457 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

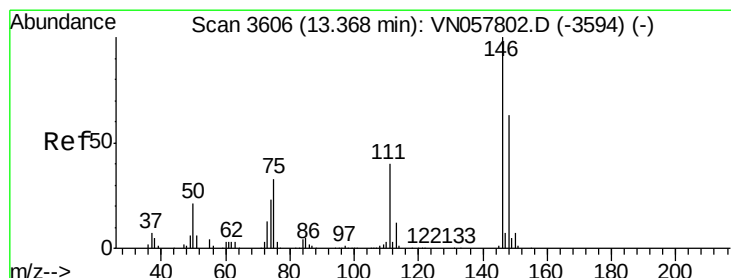
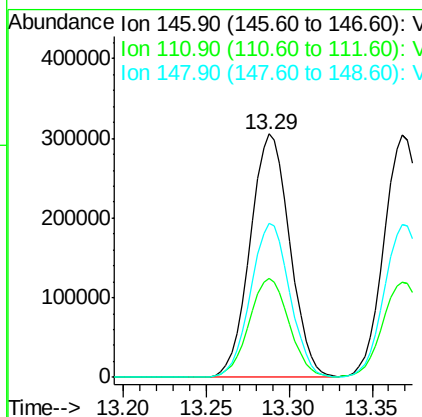
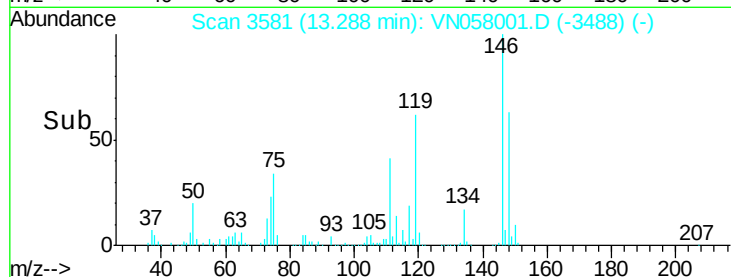
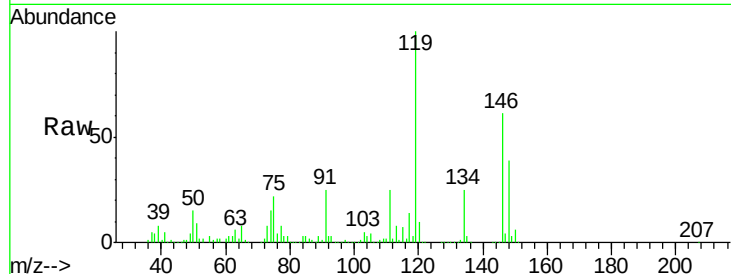
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	509632
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.5	61.6
148	62.5	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 46.903 ug/l

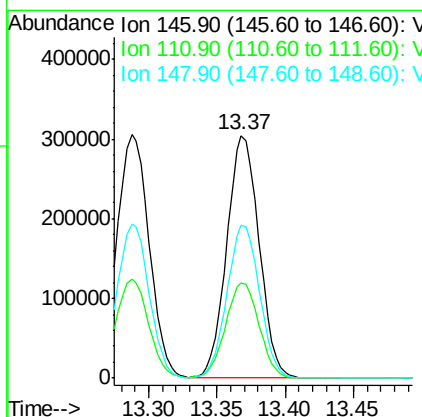
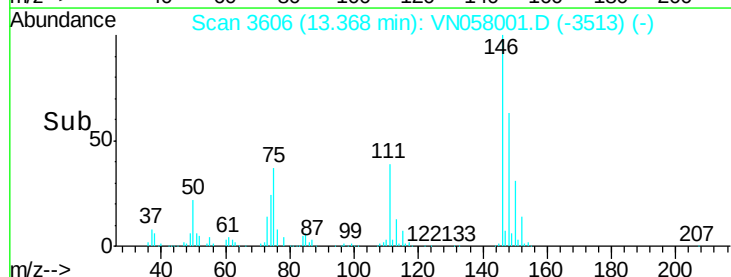
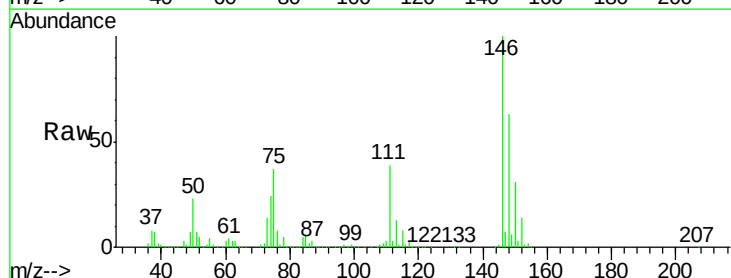
RT: 13.37 min Scan# 3606

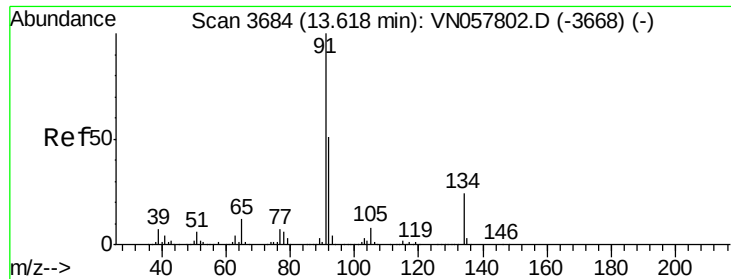
Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion:	146	Resp:	500719
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.4	61.2
148	63.9	31.8	95.4





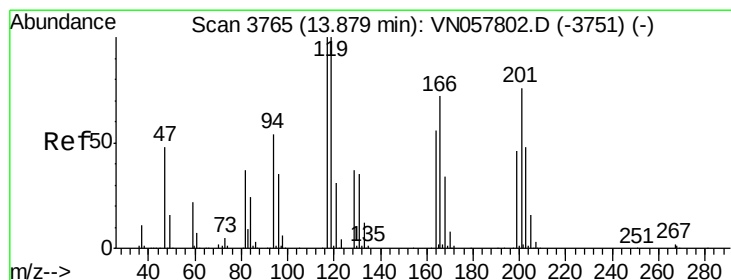
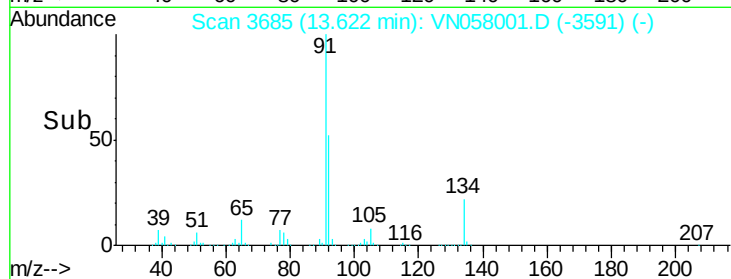
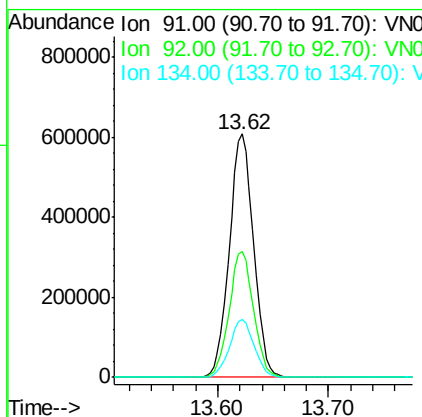
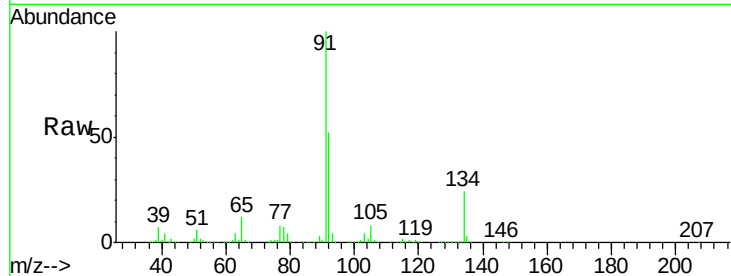
#89
n-Butylbenzene
Concen: 48.735 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	24.1	11.9	35.7

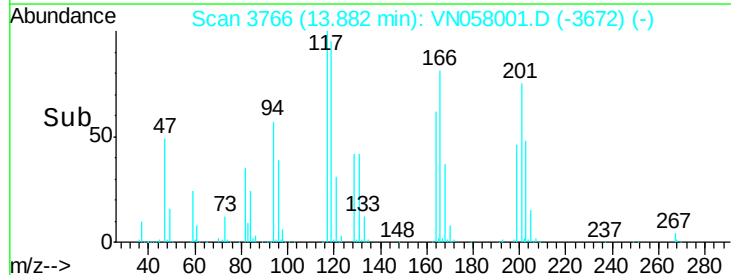
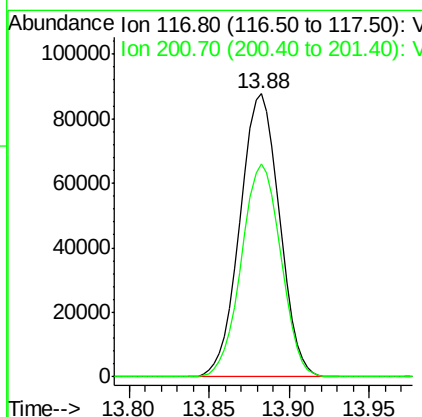
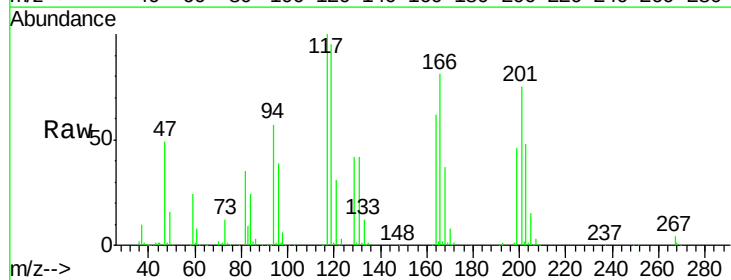
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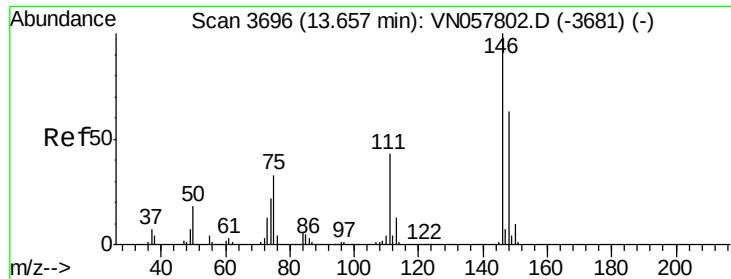
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#90
Hexachloroethane
Concen: 49.285 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	37.5	112.7





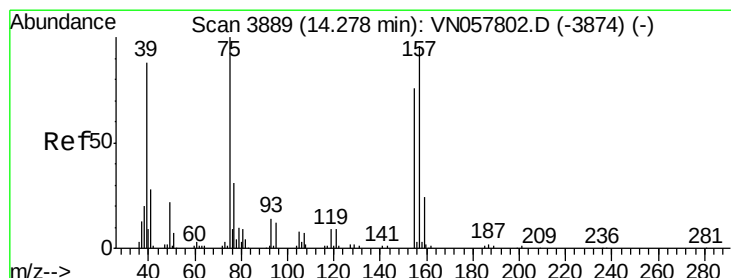
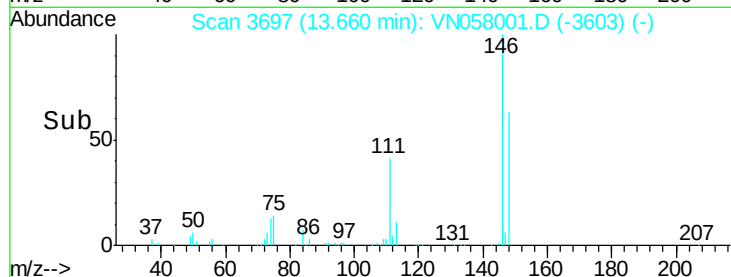
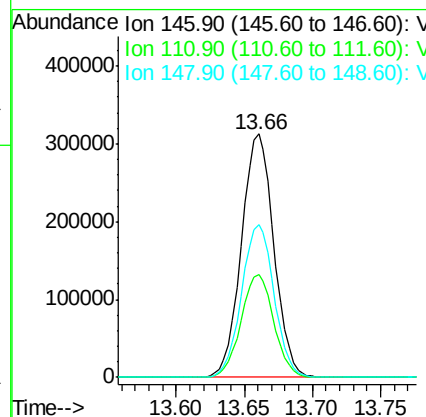
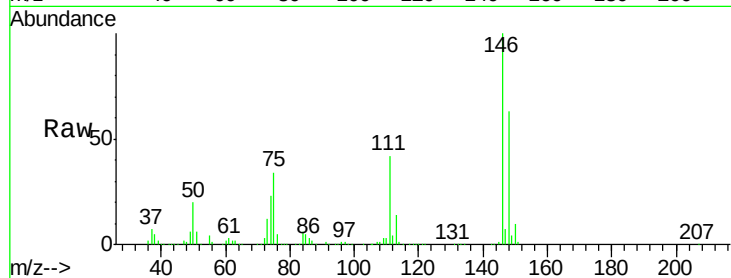
#91
 1,2-Dichlorobenzene
 Concen: 49.075 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	515631		
111	42.8	21.3	63.9	
148	63.1	31.4	94.3	

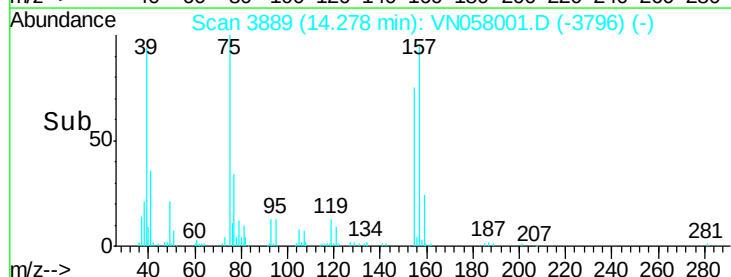
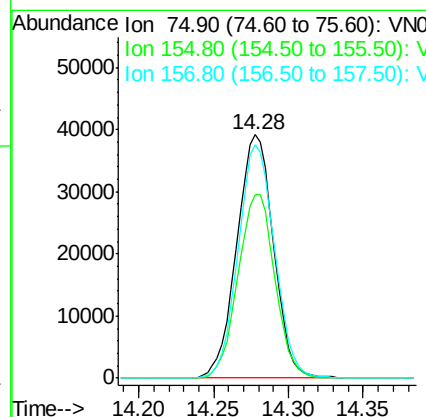
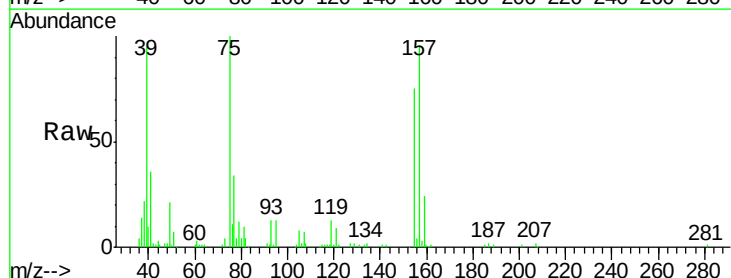
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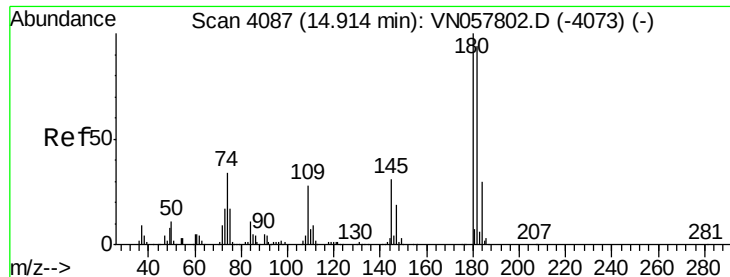
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.525 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67121		
155	75.5	37.3	111.8	
157	95.0	47.9	143.8	





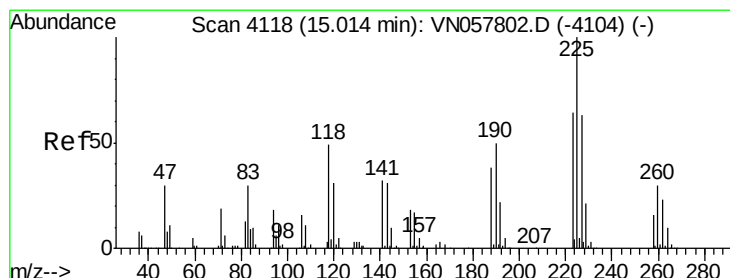
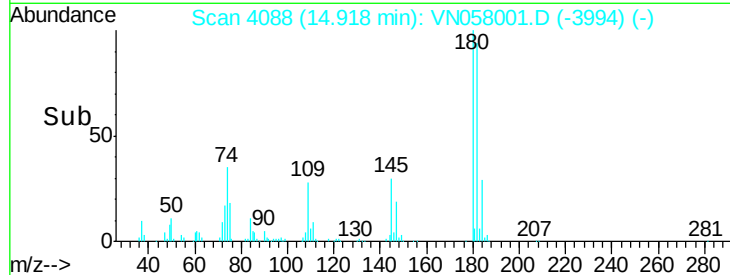
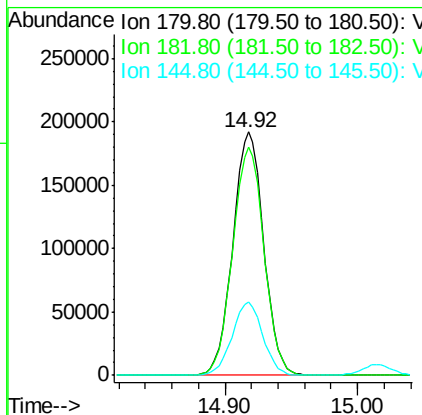
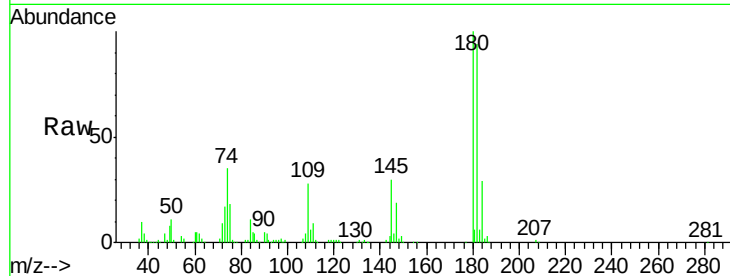
#93
 1,2,4-Trichlorobenzene
 Concen: 45.012 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	309128		
182	95.6	46.9	140.8	
145	30.0	14.9	44.7	

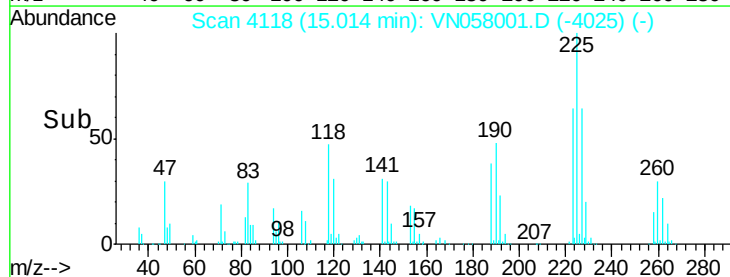
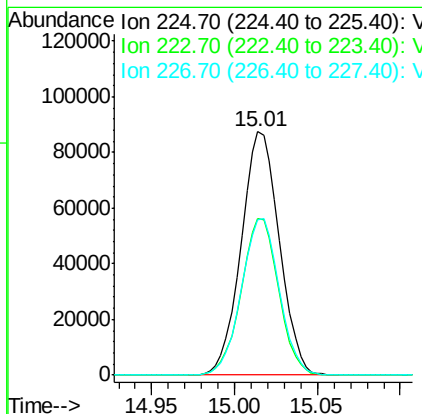
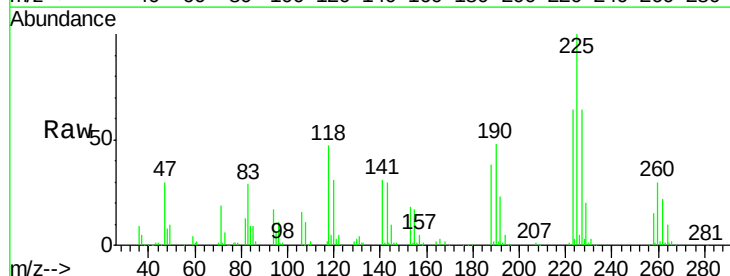
Manual Integrations
 APPROVED

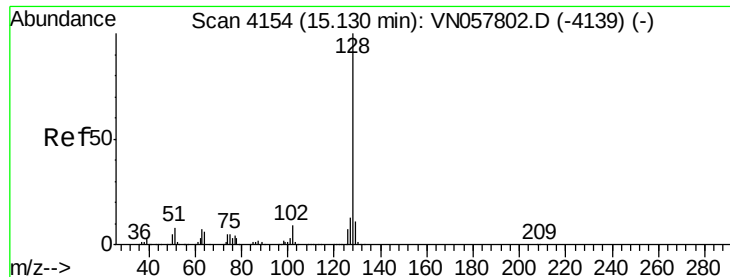
MMDadoda
 9/13/2019 1:03:48 PM



#94
 Hexachlorobutadiene
 Concen: 48.004 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139751		
223	62.9	32.4	97.2	
227	63.8	31.8	95.4	





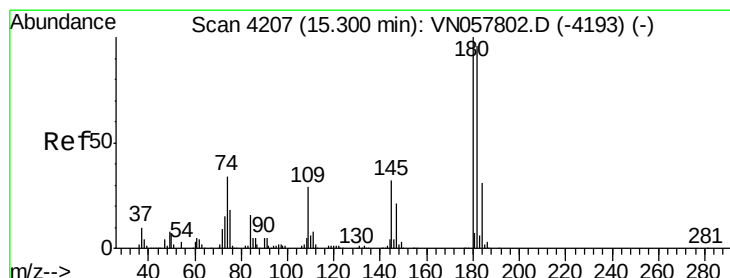
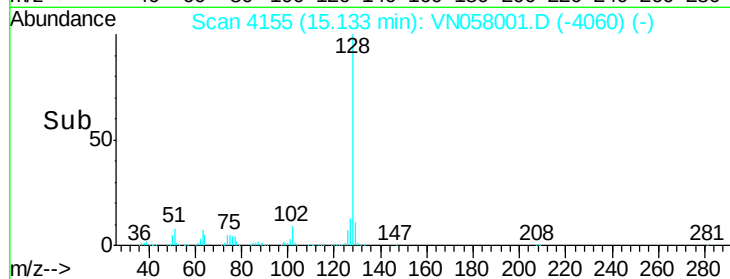
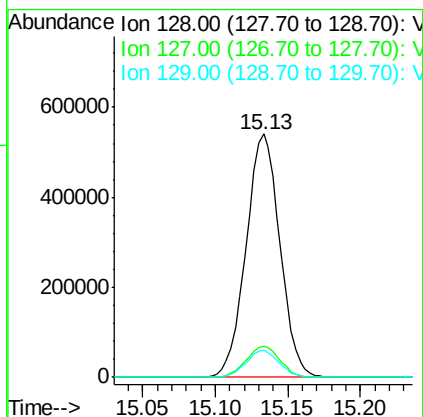
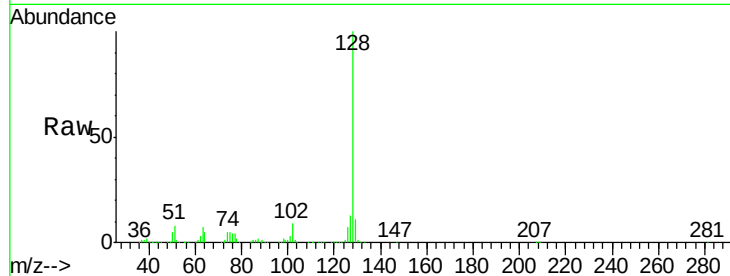
#95
Naphthalene
Concen: 50.698 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:03:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.214 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.8
145	32.3	16.3	48.8

