

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058451.D
 Acq On : 1 Oct 2019 9:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:20:10 PM

Quant Time: Oct 02 05:42:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	701280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307052	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.57	113	226033	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.08	98	880132	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.41	95	327438	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	236275	51.506	ug/l	100
3) Chloromethane	2.03	50	256045	50.770	ug/l	99
4) Vinyl Chloride	2.17	62	254010	51.414	ug/l	99
5) Bromomethane	2.53	94	134644	51.309	ug/l	96
6) Chloroethane	2.67	64	152538	51.530	ug/l	96
7) Trichlorofluoromethane	2.99	101	303579	50.919	ug/l	97
8) Diethyl Ether	3.39	74	133134	51.755	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	208922	51.599	ug/l	99
10) Methyl Iodide	3.93	142	236942	52.776	ug/l	99
11) Tert butyl alcohol	4.75	59	187970	276.757	ug/l	99
12) 1,1-Dichloroethene	3.71	96	197039	49.926	ug/l	97
13) Acrolein	3.58	56	78214	362.064	ug/l	100
14) Allyl chloride	4.29	41	370042	51.522	ug/l	99
15) Acrylonitrile	4.96	53	541343	273.481	ug/l	99
16) Acetone	3.79	43	609067	292.242	ug/l	99
17) Carbon Disulfide	4.03	76	544916	52.378	ug/l	98
18) Methyl Acetate	4.30	43	262348	50.049	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	722705	51.899	ug/l	99
20) Methylene Chloride	4.53	84	235108	48.883	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	224601	51.177	ug/l	99
22) Diisopropyl ether	5.92	45	806069	52.153	ug/l	98
23) Vinyl Acetate	5.87	43	3342229	286.793	ug/l	99
24) 1,1-Dichloroethane	5.82	63	454267	52.224	ug/l	100
25) 2-Butanone	6.81	43	801401	280.071	ug/l	100
26) 2,2-Dichloropropane	6.80	77	377250	52.754	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	262911	51.256	ug/l	98
28) Bromochloromethane	7.17	49	183353	52.733	ug/l	99
29) Tetrahydrofuran	7.19	42	487119	268.219	ug/l	100
30) Chloroform	7.35	83	453333	51.431	ug/l	98
31) Cyclohexane	7.63	56	415429	49.098	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	385852	53.307	ug/l	100
36) 1,1-Dichloropropene	7.77	75	352453	52.561	ug/l	99
37) Ethyl Acetate	6.90	43	316155	55.610	ug/l	100
38) Carbon Tetrachloride	7.75	117	323654	53.472	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	421091	53.774	ug/l	98
40) Benzene	8.02	78	1003966	52.086	ug/l	98
41) Methacrylonitrile	7.15	41	136446m	52.169	ug/l	
42) 1,2-Dichloroethane	8.11	62	385747	51.440	ug/l	100
43) Isopropyl Acetate	8.15	43	538704	50.389	ug/l	99
44) Trichloroethene	8.82	130	246021	51.692	ug/l	98
45) 1,2-Dichloropropane	9.11	63	277074	53.598	ug/l	98
46) Dibromomethane	9.20	93	173306	52.938	ug/l	98
47) Bromodichloromethane	9.39	83	348422	56.173	ug/l	99
48) Methyl methacrylate	9.19	41	260985	53.612	ug/l	99
49) 1,4-Dioxane	9.19	88	90057	1383.532	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1588654	289.292	ug/l	99
52) Toluene	10.15	92	624684	51.489	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	389268	57.659	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	422142	56.330	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	241783	54.732	ug/l	98
56) Ethyl methacrylate	10.43	69	376325	56.141	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427751	54.285	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	748917	280.189	ug/l	99
59) 2-Hexanone	10.75	43	1207155	301.890	ug/l	100
60) Dibromochloromethane	10.90	129	248929	54.465	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245142	54.309	ug/l	100
64) Tetrachloroethene	10.63	164	204398	50.059	ug/l	97
65) Chlorobenzene	11.43	112	659929	51.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	235633	54.745	ug/l	100
67) Ethyl Benzene	11.51	91	1237508	53.481	ug/l	99
68) m/p-Xylenes	11.62	106	915573	105.167	ug/l	98
69) o-Xylene	11.95	106	437268	52.176	ug/l	97
70) Styrene	11.97	104	747793	54.925	ug/l	99
71) Bromoform	12.13	173	160394	53.869	ug/l #	98
73) Isopropylbenzene	12.25	105	1217991	53.202	ug/l	100
74) N-amyl acetate	12.07	43	491332	53.946	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	352945	52.135	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	307678m	54.377	ug/l	
77) Bromobenzene	12.53	156	271803	50.633	ug/l	98
78) n-propylbenzene	12.60	91	1439667	55.818	ug/l	100
79) 2-Chlorotoluene	12.68	91	832342	52.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1040921	54.315	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104381	56.028	ug/l	99
82) 4-Chlorotoluene	12.78	91	861964	53.061	ug/l	100
83) tert-Butylbenzene	13.00	119	868712	53.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1038762	54.099	ug/l	98
85) sec-Butylbenzene	13.18	105	1207047	56.710	ug/l	100
86) p-Isopropyltoluene	13.30	119	1072138	57.224	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	509571	52.351	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	506457	52.296	ug/l	100
89) n-Butylbenzene	13.62	91	976872	57.559	ug/l	100
90) Hexachloroethane	13.88	117	171839	61.044	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	504710	53.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68685	57.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	299423	57.936	ug/l	100
94) Hexachlorobutadiene	15.02	225	150641	56.709	ug/l	99
95) Naphthalene	15.14	128	789841	52.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	273065	52.702	ug/l	99

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

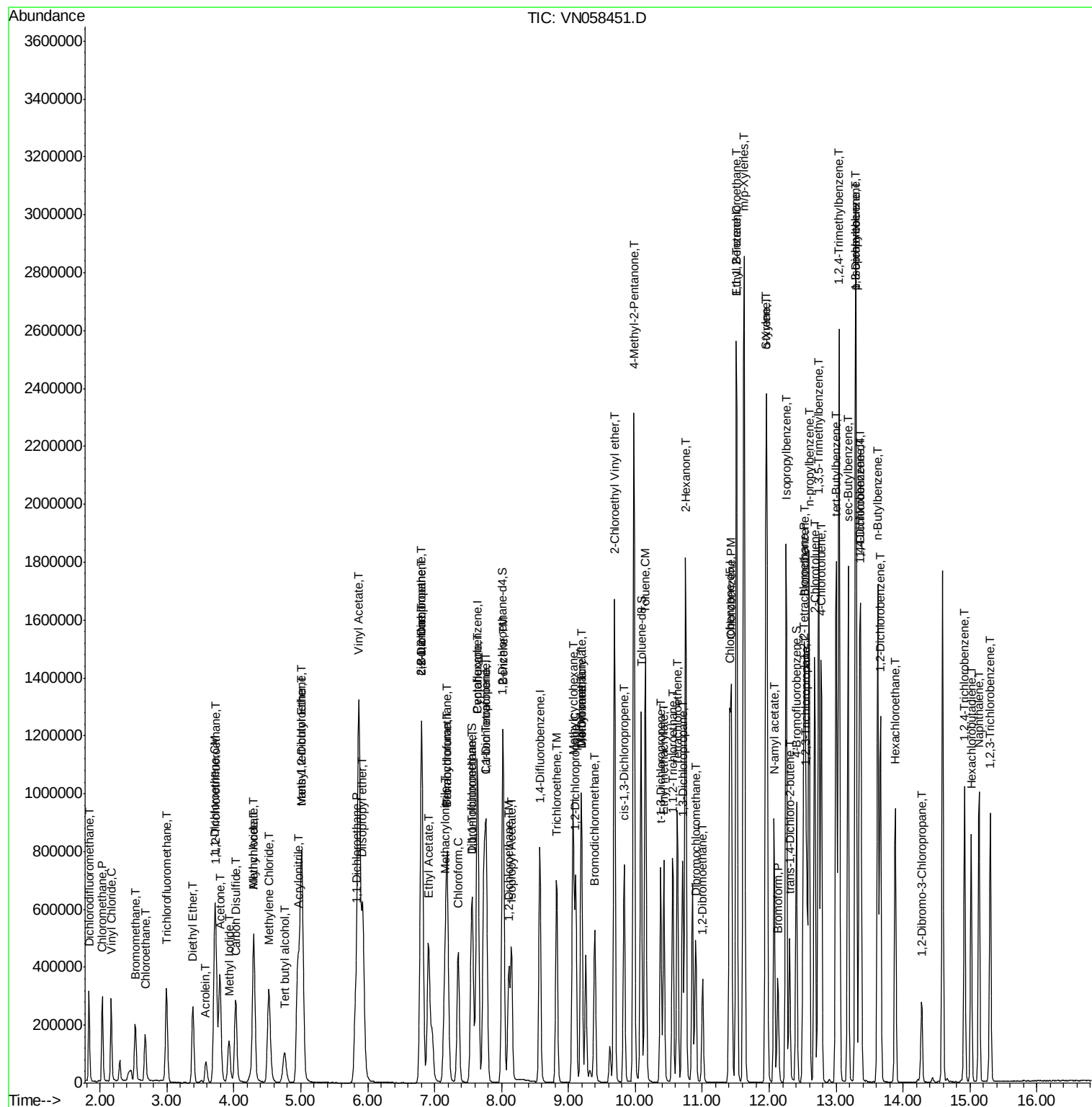
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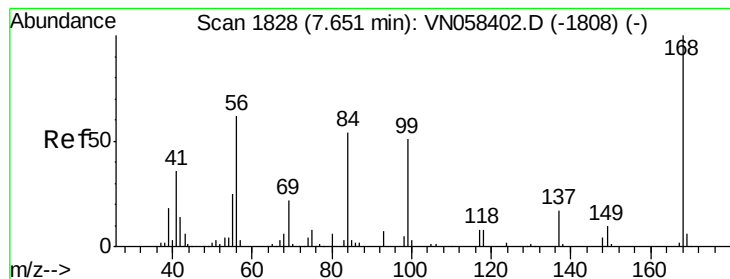
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 418366

Ion Ratio Lower Upper

168 100

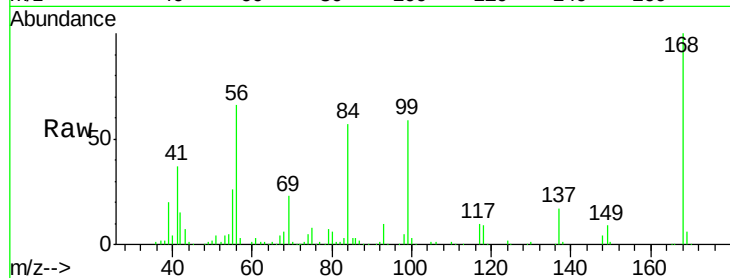
99 58.4 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

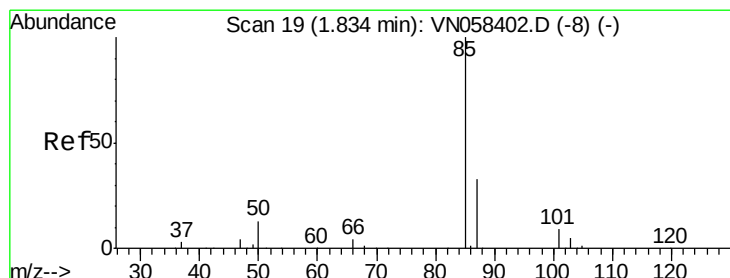
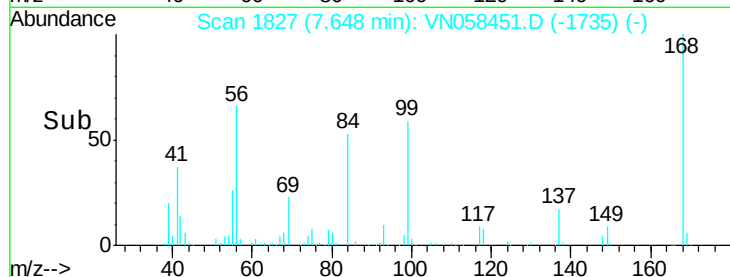
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.506 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058451.D

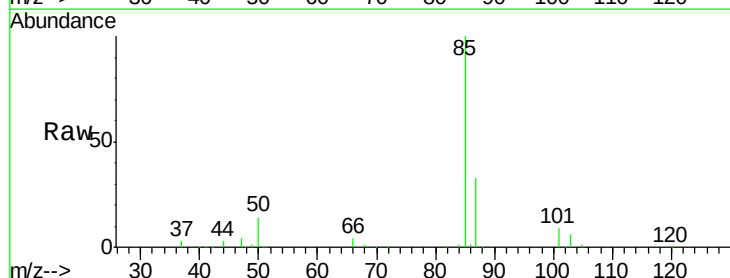
Acq: 1 Oct 2019 9:50

Tgt Ion: 85 Resp: 236275

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

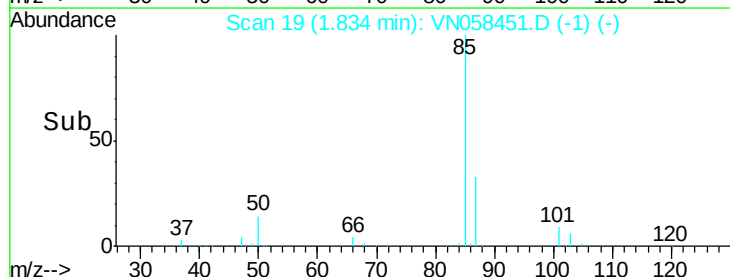
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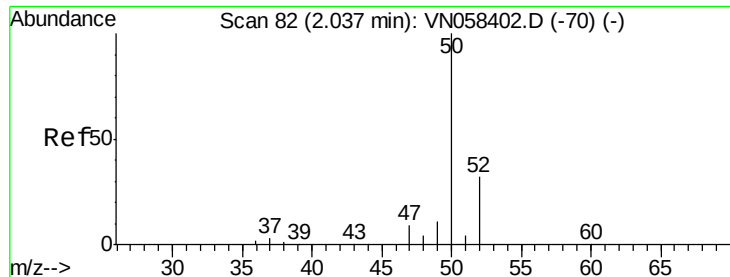
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 50.770 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 256045

Ion Ratio Lower Upper

50 100

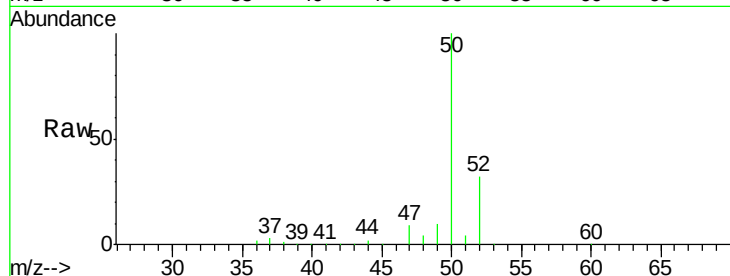
52 32.0 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

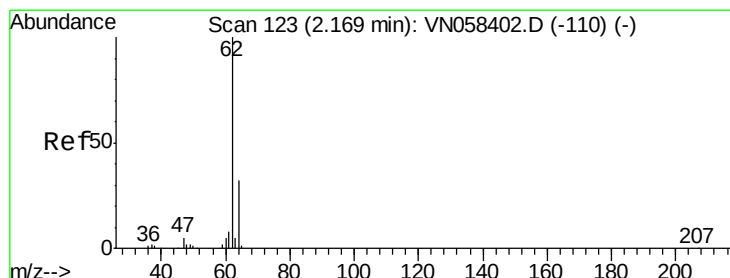
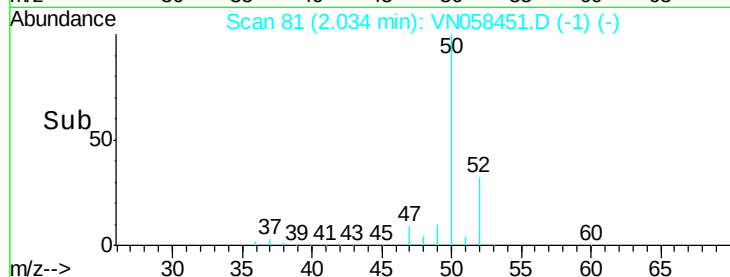
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 51.414 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058451.D

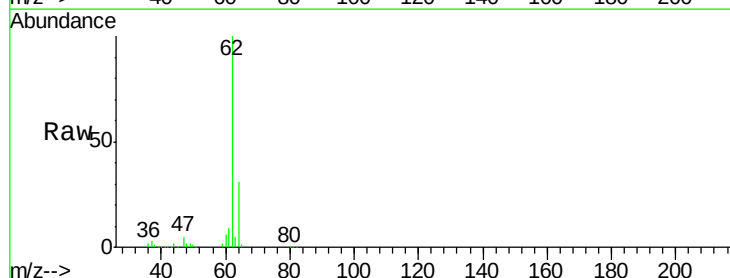
Acq: 1 Oct 2019 9:50

Tgt Ion: 62 Resp: 254010

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

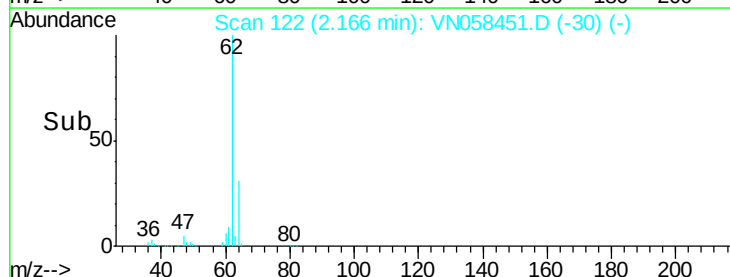
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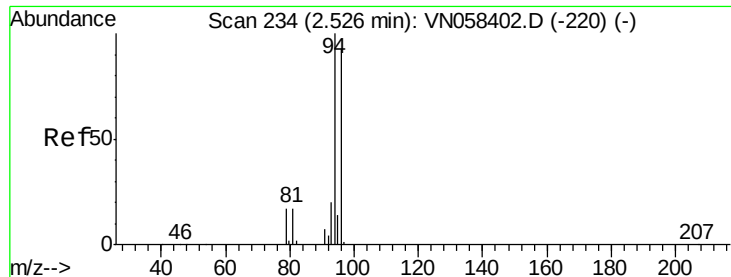
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 51.309 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 134644

Ion Ratio Lower Upper

94 100

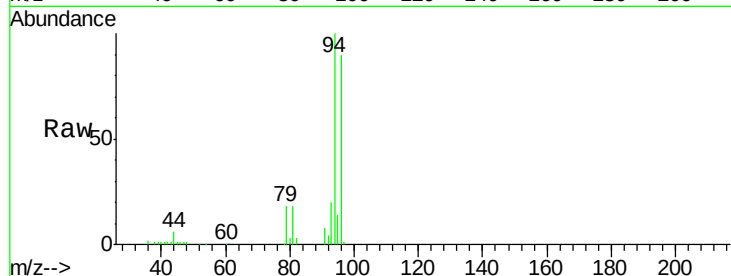
96 90.0 74.8 112.2

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

2.53

80000

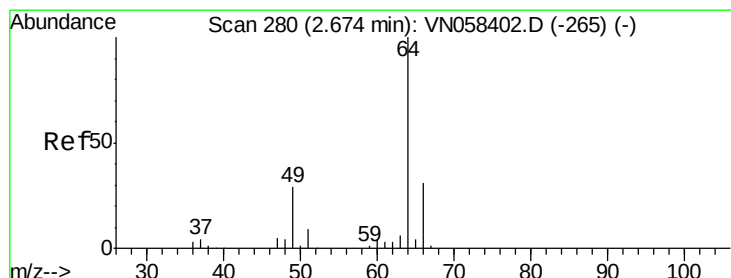
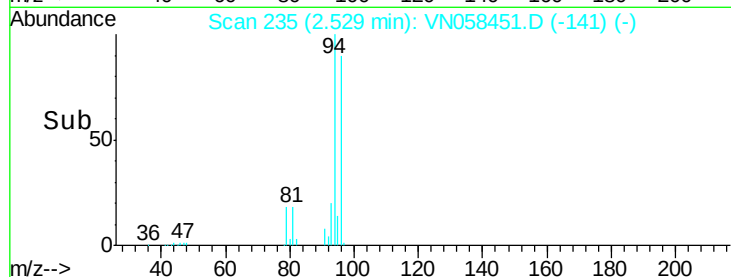
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.530 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN058451.D

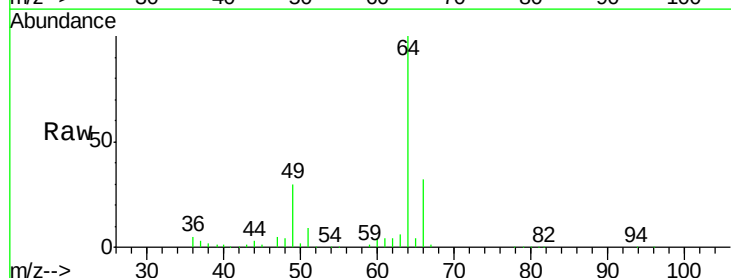
Acq: 1 Oct 2019 9:50

Tgt Ion: 64 Resp: 152538

Ion Ratio Lower Upper

64 100

66 32.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

80000

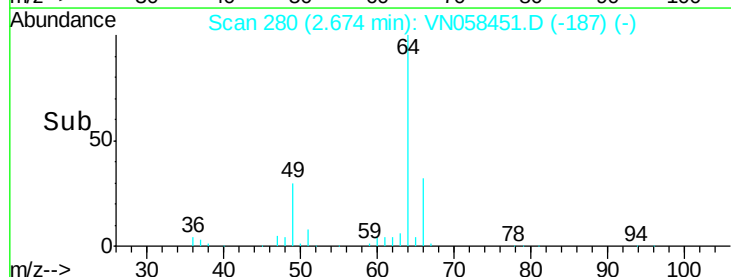
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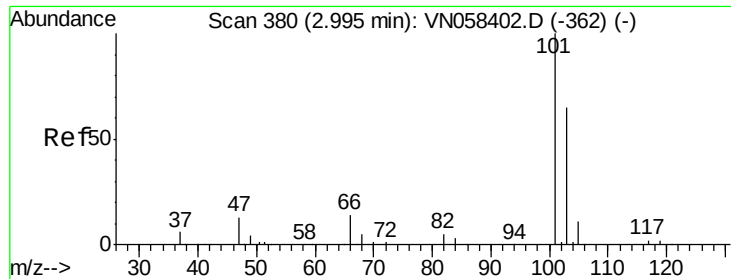
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20000

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Time-->





#7

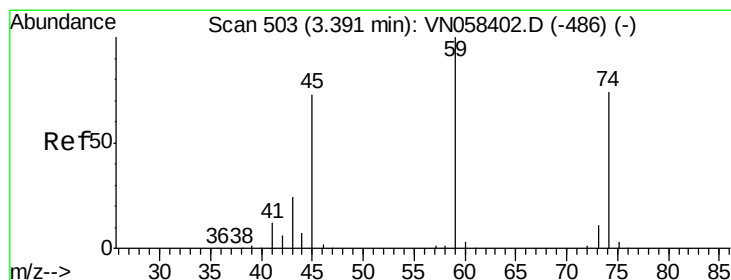
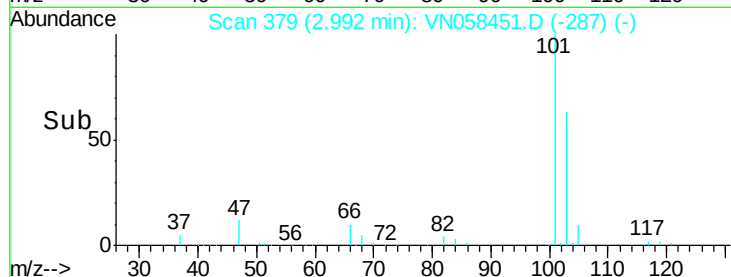
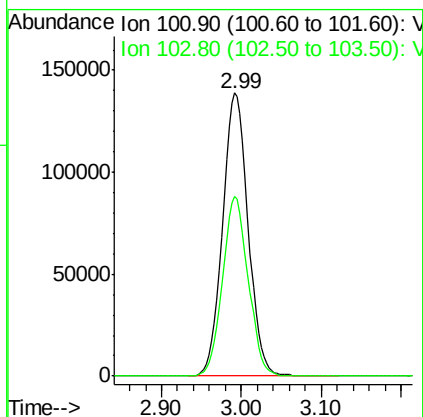
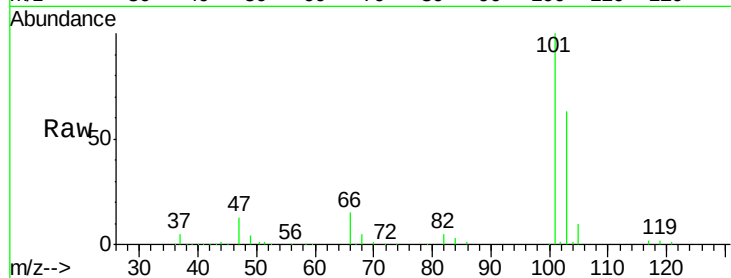
Trichlorofluoromethane
Concen: 50.919 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 303579
Ion Ratio Lower Upper
101 100
103 63.4 52.3 78.5

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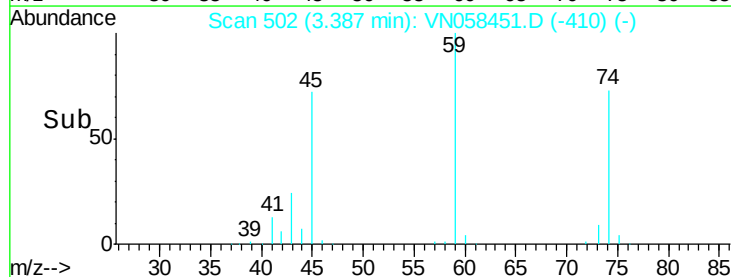
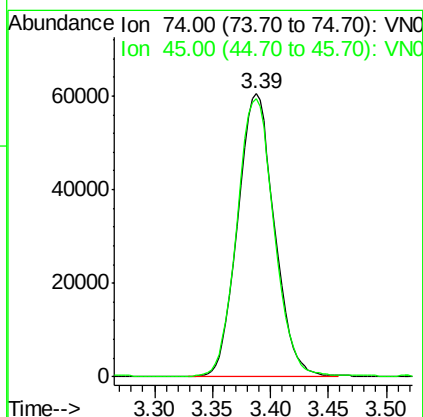
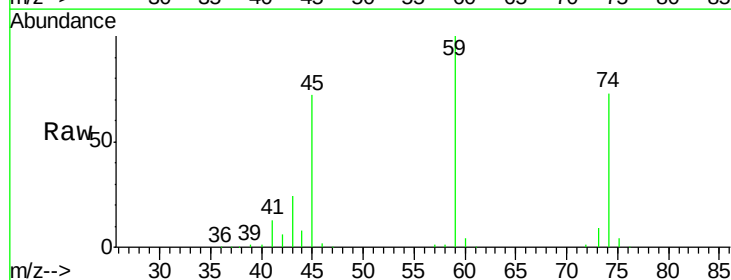
MMDadoda
10/3/2019 12:20:10 PM

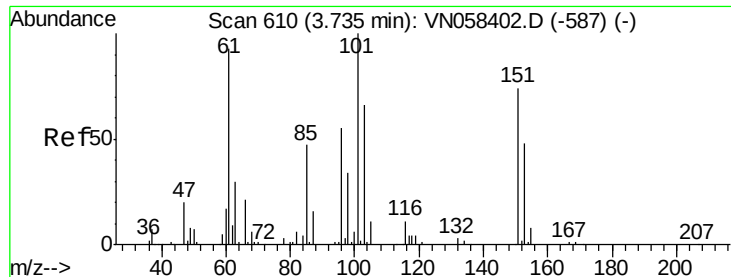


#8

Diethyl Ether
Concen: 51.755 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 74 Resp: 133134
Ion Ratio Lower Upper
74 100
45 99.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.599 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

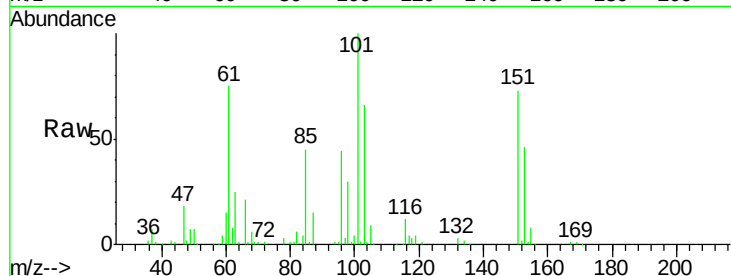
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	208922
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.7	55.1
151	72.7	59.4	89.0

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APPROVED

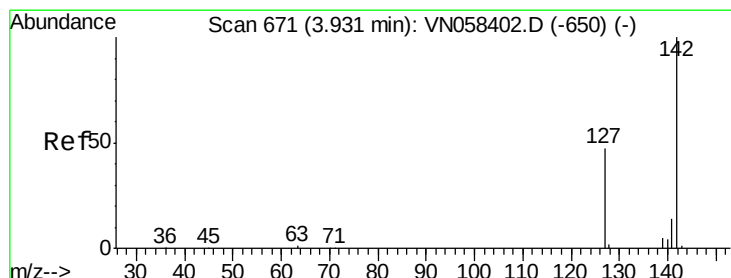
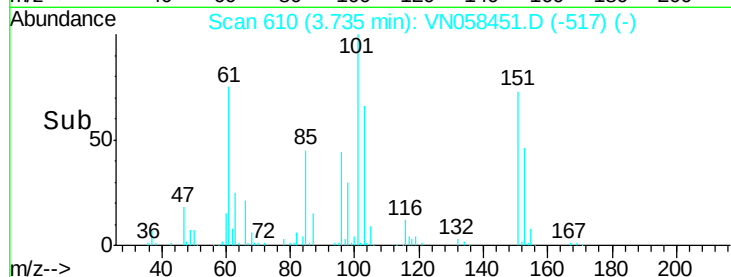
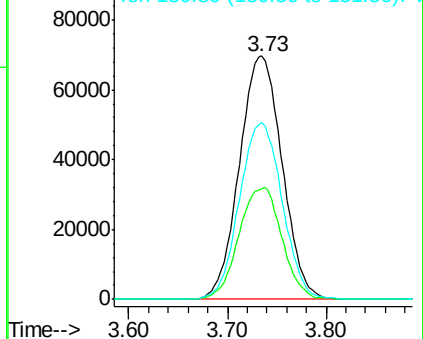
MMDadoda
10/3/2019 12:20:10 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.776 ug/l

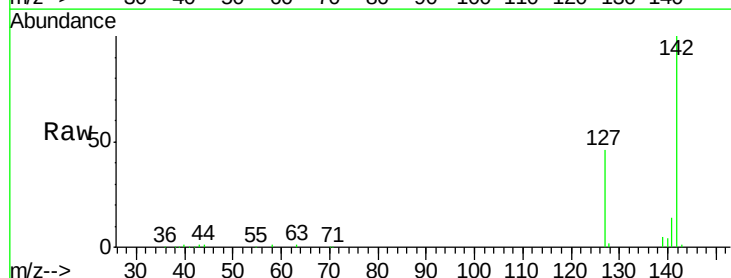
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

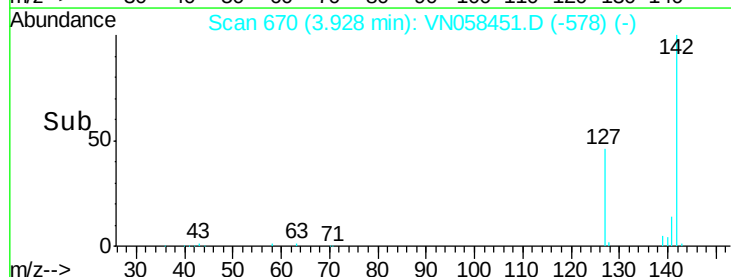
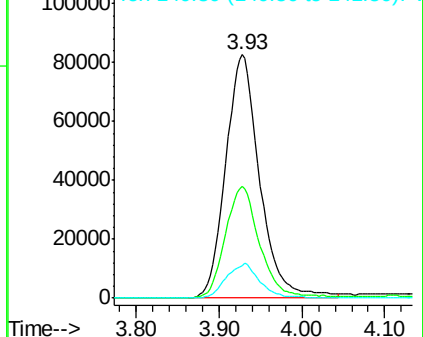
Tgt Ion:	142	Resp:	236942
Ion Ratio	Lower	Upper	
142	100		
127	45.9	37.2	55.8
141	13.9	11.3	16.9

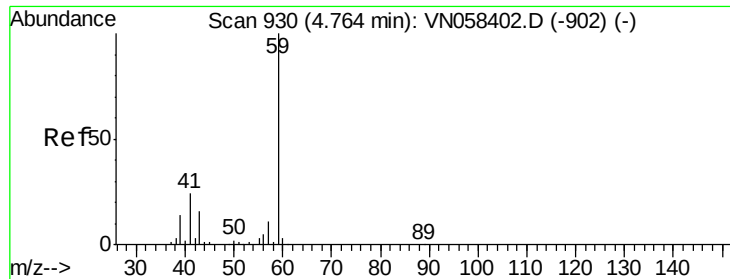


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

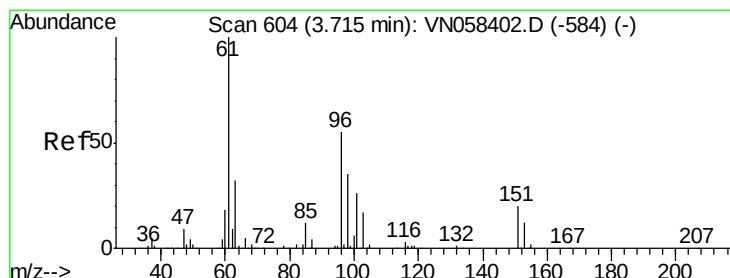
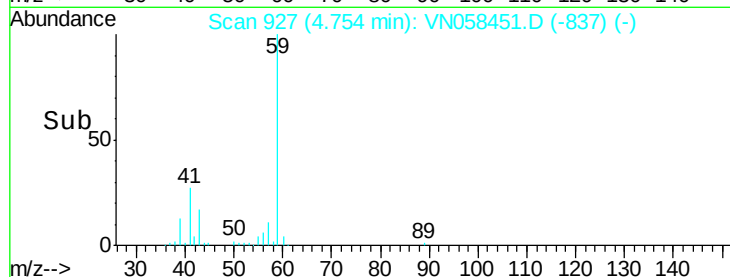
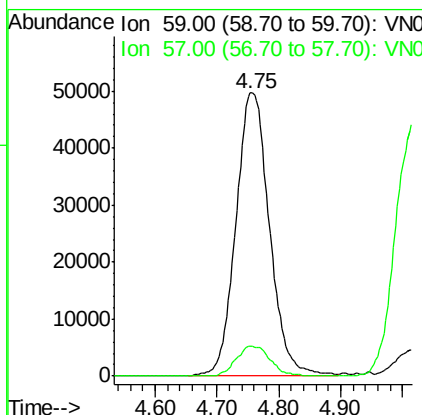
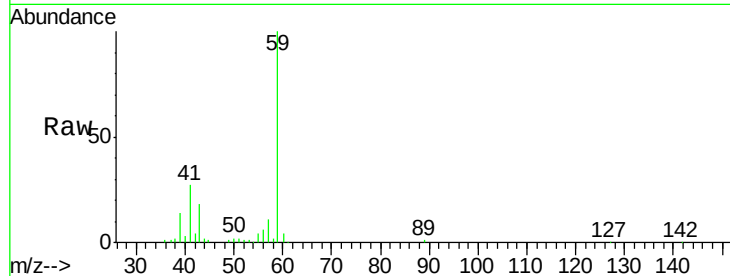
Tert butyl alcohol
Concen: 276.757 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	187970
Ion Ratio	100	Lower	Upper
57	10.7	9.0	13.4

Manual Integrations
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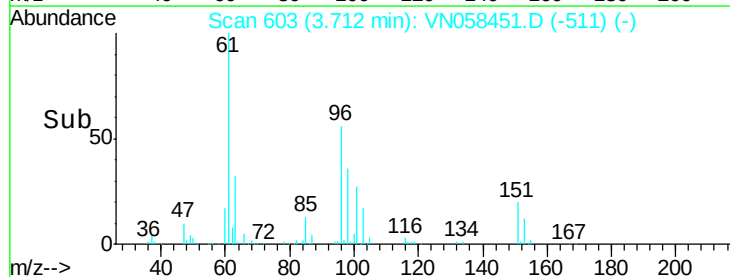
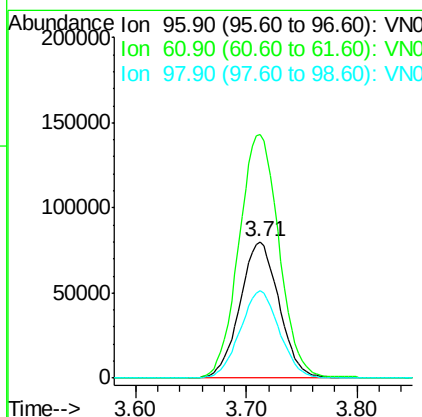
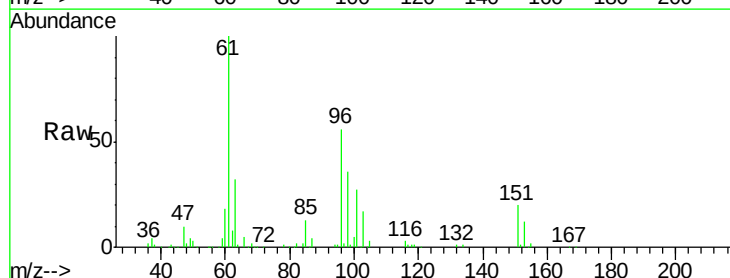
MMDadoda
10/3/2019 12:20:10 PM

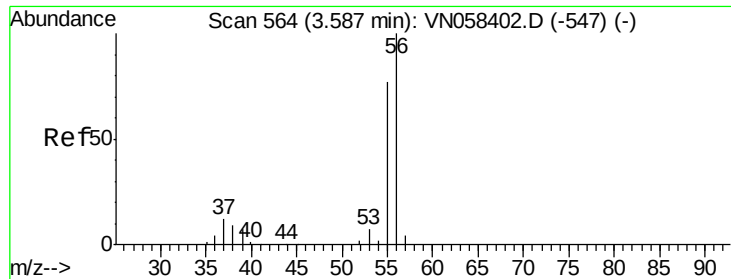


#12

1,1-Dichloroethene
Concen: 49.926 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	96	Resp	197039
Ion Ratio	100	Lower	Upper
61	178.5	146.7	220.1
98	63.7	51.3	76.9





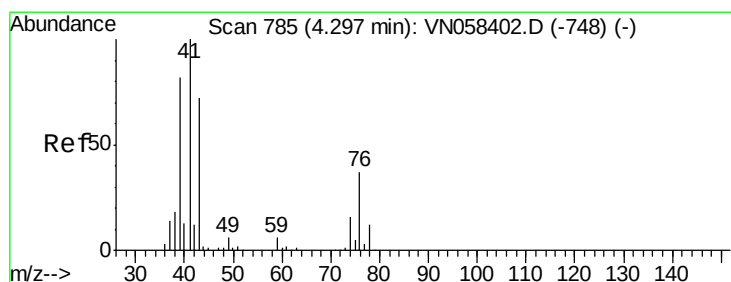
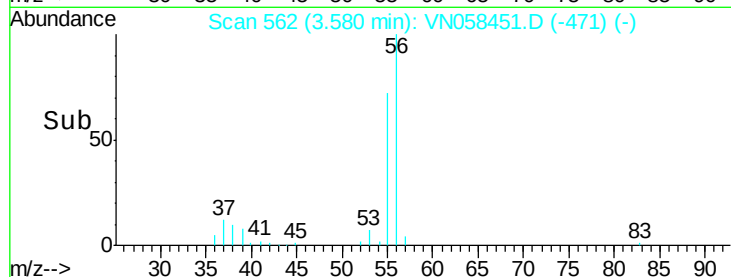
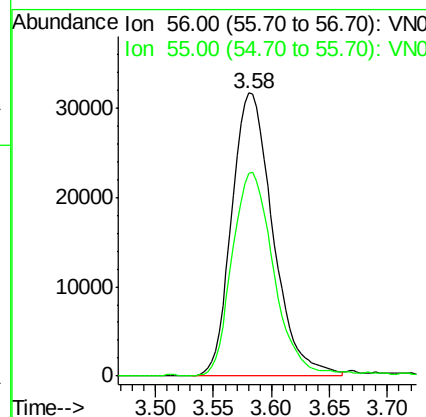
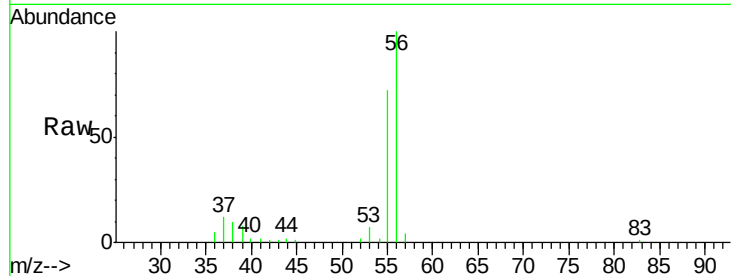
#13
Acrolein
Concen: 362.064 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	78214
Ion Ratio	100	Lower	Upper
56	100		
55	72.9	58.3	87.5

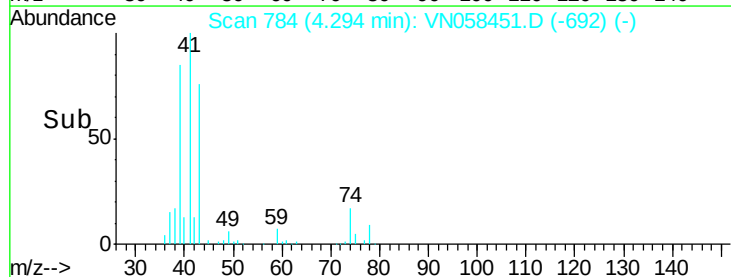
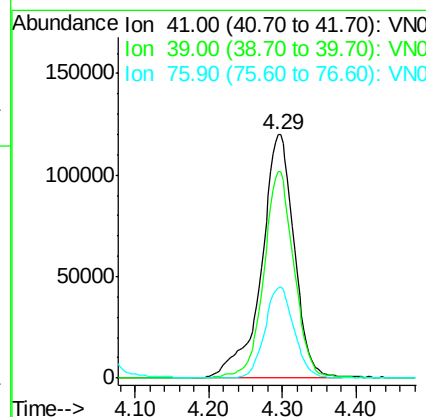
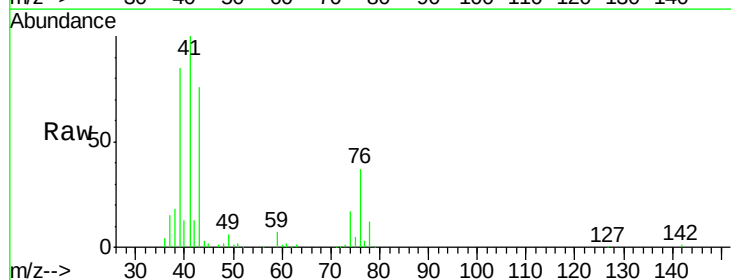
Manual Integrations
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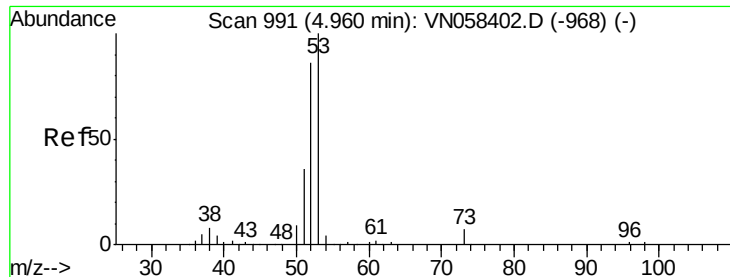
MMDadoda
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#14
Allyl chloride
Concen: 51.522 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	41	Resp	370042
Ion Ratio	100	Lower	Upper
41	100		
39	78.2	62.3	93.5
76	32.8	26.9	40.3





#15

Acrylonitrile

Concen: 273.481 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

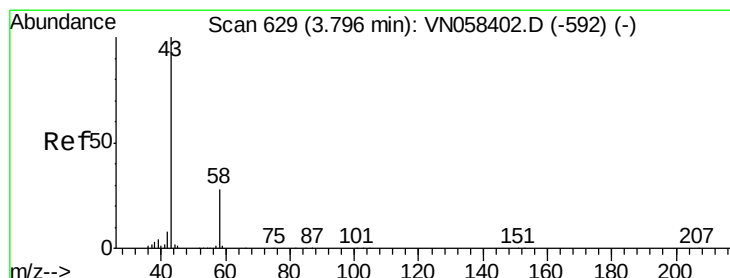
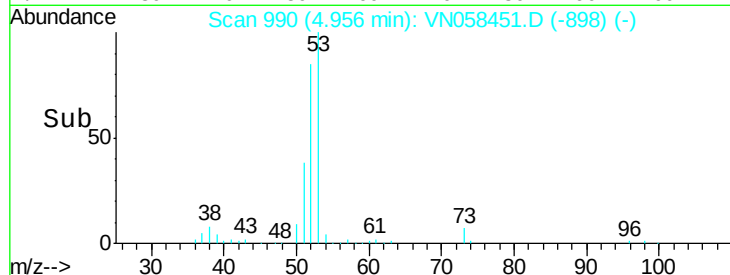
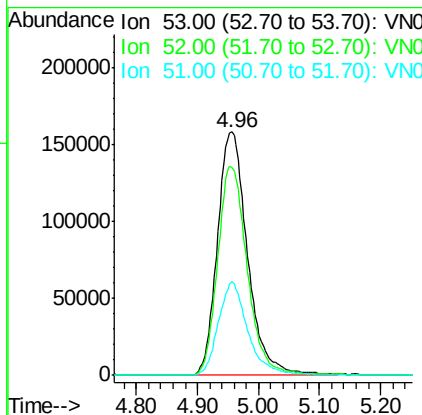
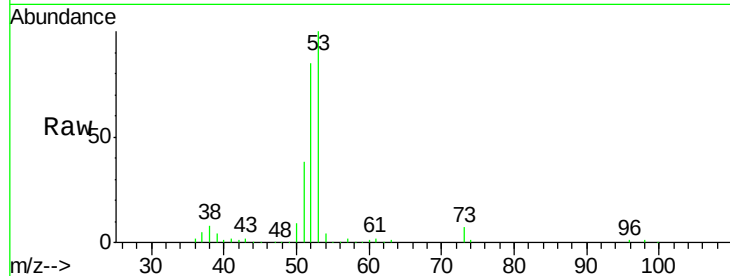
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	541343
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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10/3/2019 12:20:10 PM



#16

Acetone

Concen: 292.242 ug/l

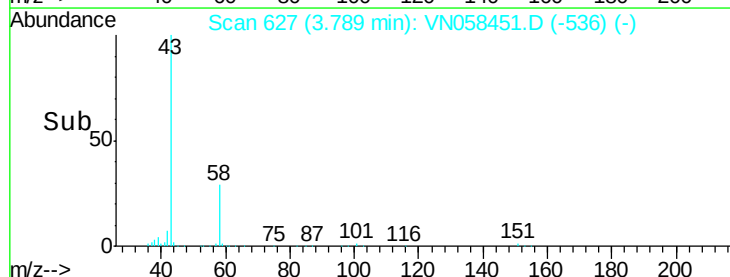
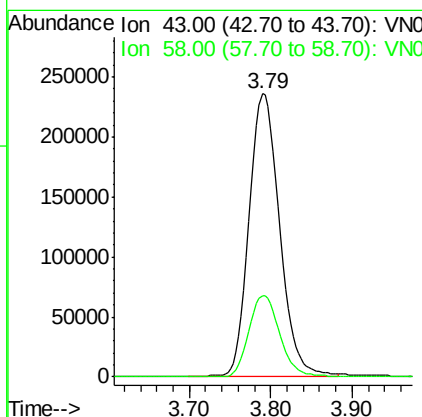
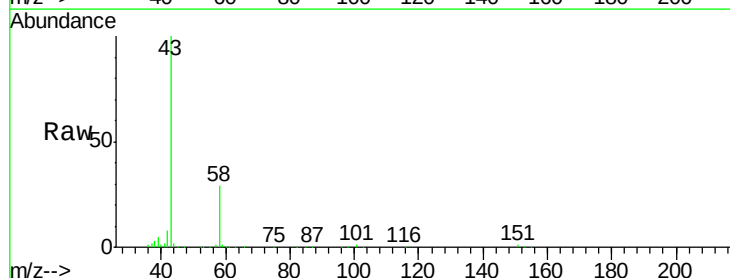
RT: 3.79 min Scan# 627

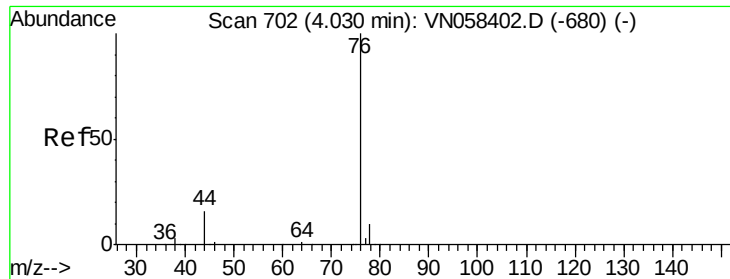
Delta R.T. -0.01 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion:	43	Resp:	609067
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.4	33.6





#17

Carbon Disulfide

Concen: 52.378 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 544916

Ion Ratio Lower Upper

76 100

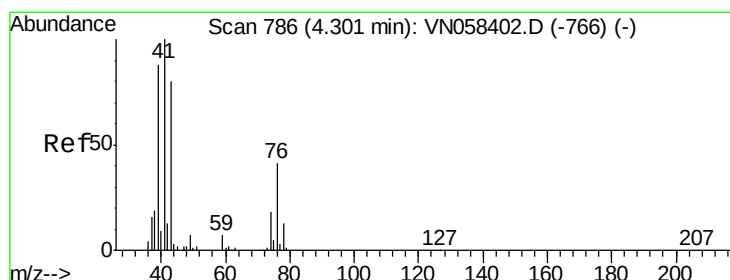
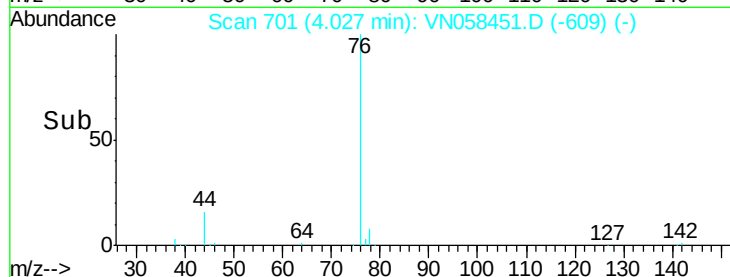
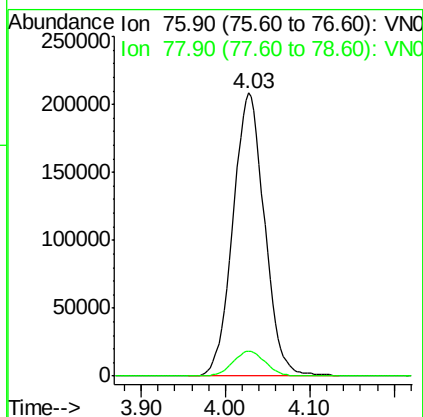
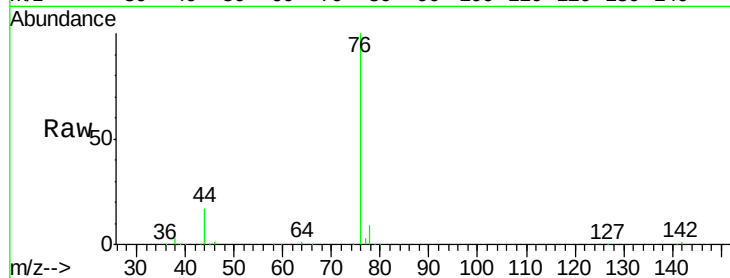
78 8.9 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 50.049 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058451.D

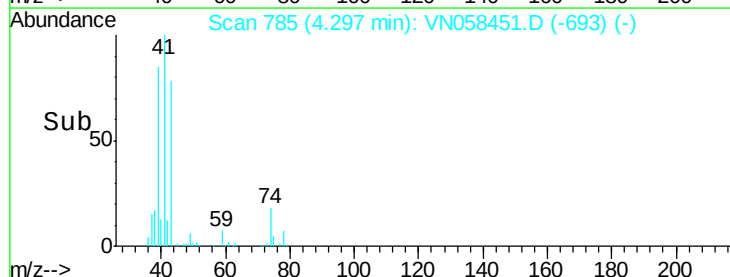
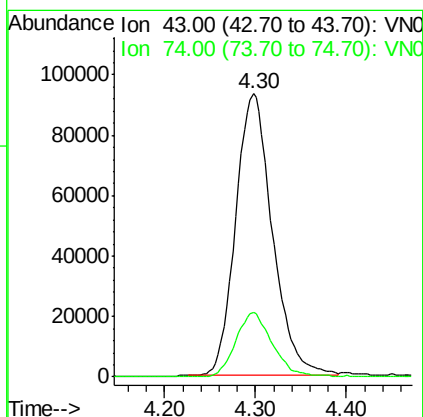
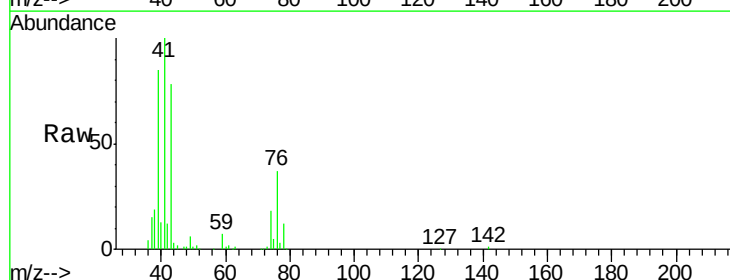
Acq: 1 Oct 2019 9:50

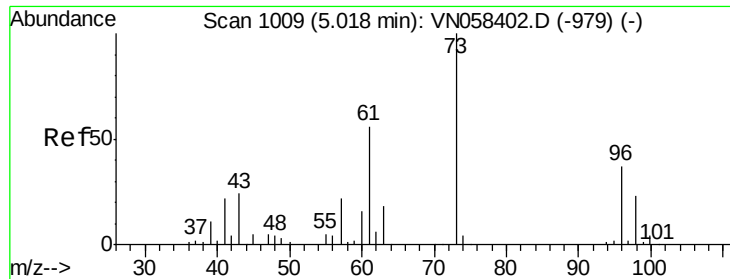
Tgt Ion: 43 Resp: 262348

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0





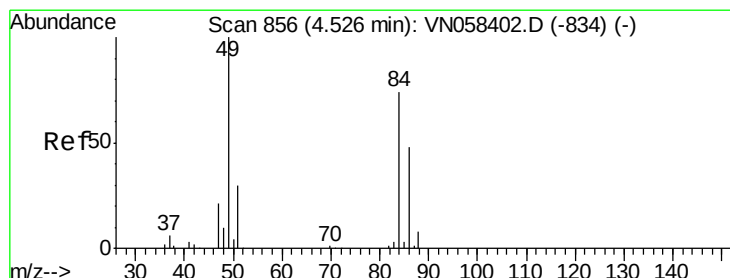
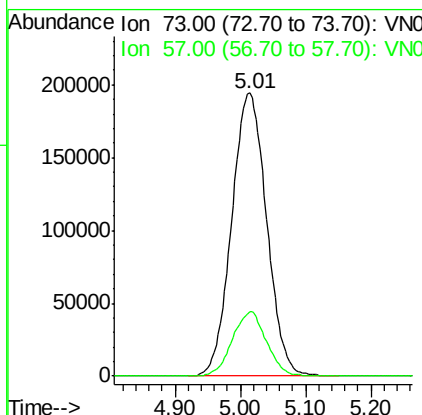
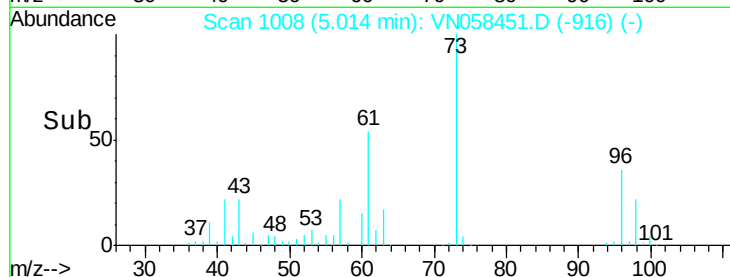
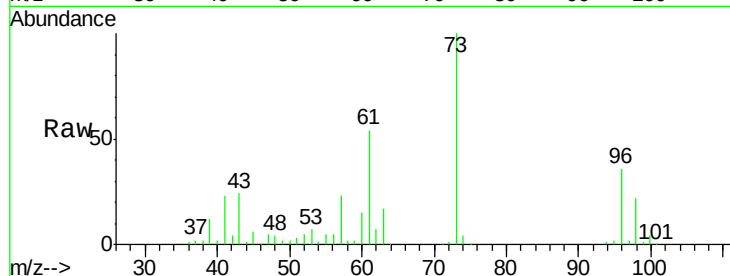
#19
Methyl tert-butyl Ether
Concen: 51.899 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 722705
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

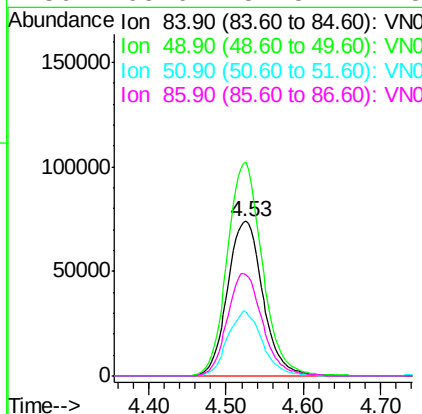
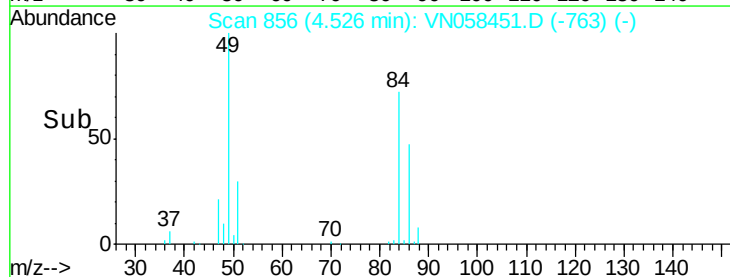
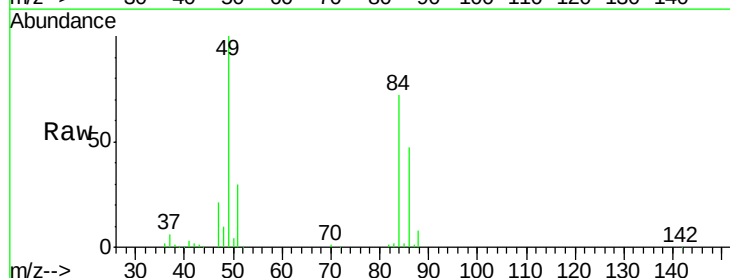
Manual Integrations
APPROVED

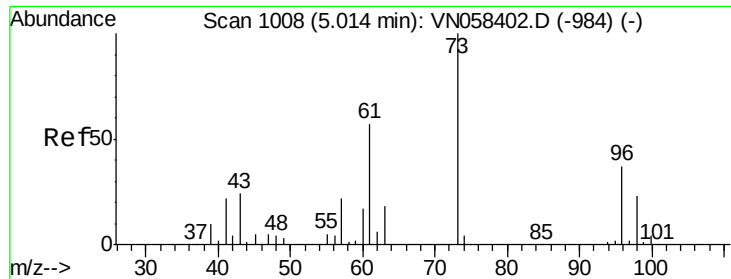
MMDadoda
10/3/2019 12:20:10 PM



#20
Methylene Chloride
Concen: 48.883 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 84 Resp: 235108
Ion Ratio Lower Upper
84 100
49 138.2 107.9 161.9
51 41.4 32.8 49.2
86 65.6 51.5 77.3





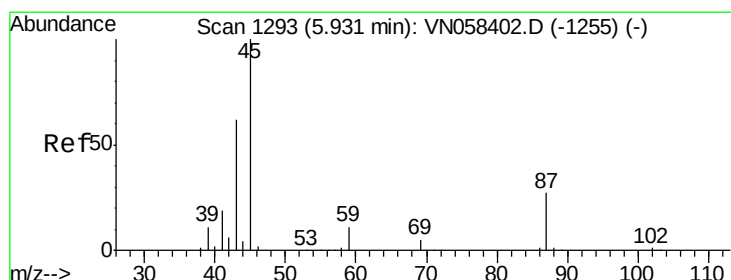
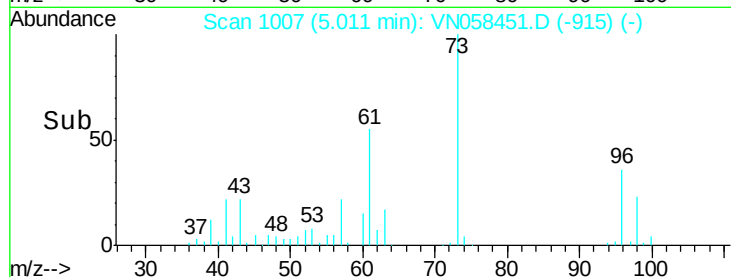
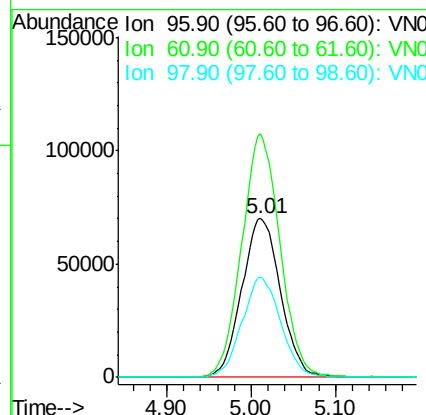
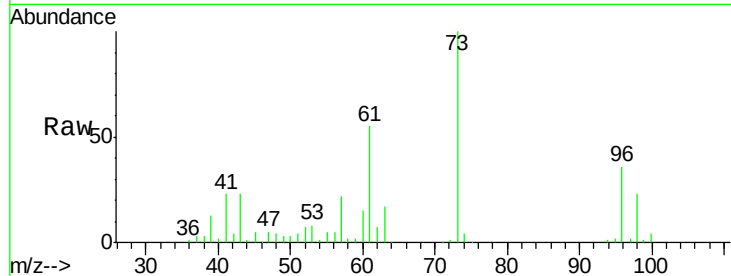
#21
trans-1,2-Dichloroethene
Concen: 51.177 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	121.9	182.9
98	63.4	49.3	73.9

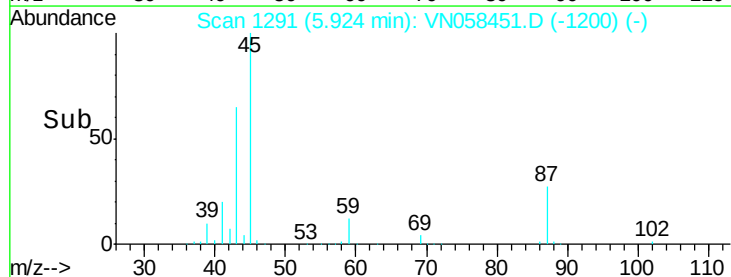
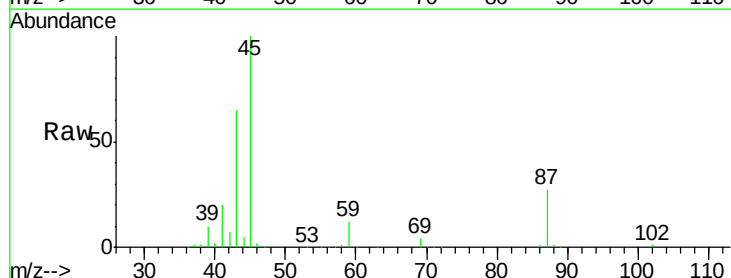
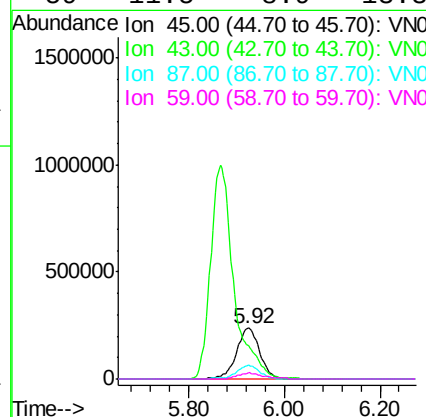
Manual Integrations
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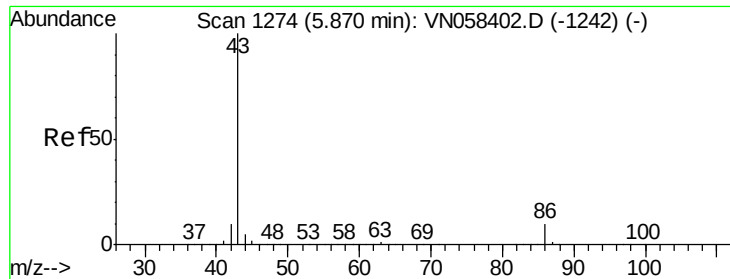
MMDadoda
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#22
Diisopropyl ether
Concen: 52.153 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	49.7	74.5
87	26.6	21.5	32.3
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 286.793 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tot Ion: 43 Resp: 3342229

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5

Instrument :

MSVOA_N

ClientSampled :

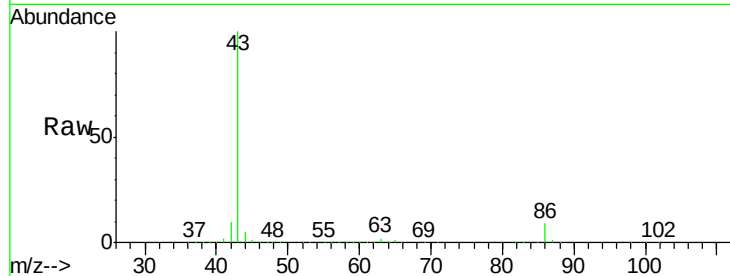
VSTDCCC050

Manual Integrations

APPROVED

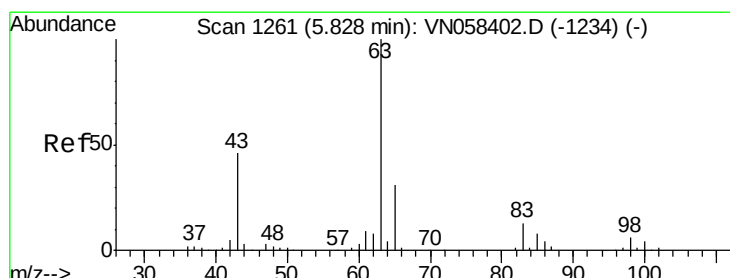
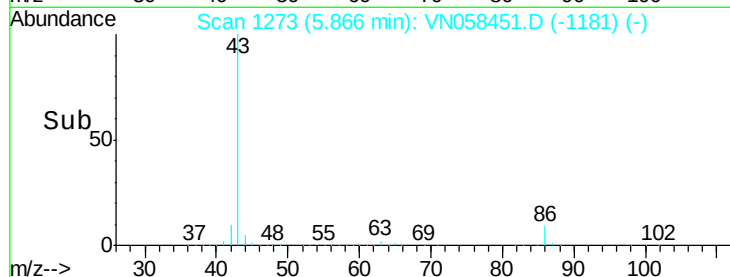
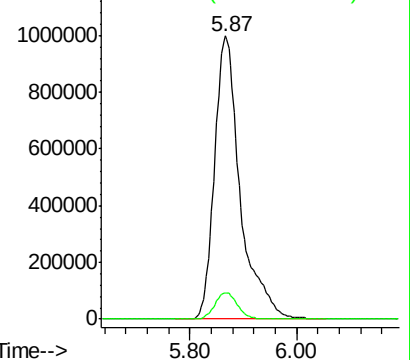
MMDadoda

10/3/2019 12:20:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.224 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

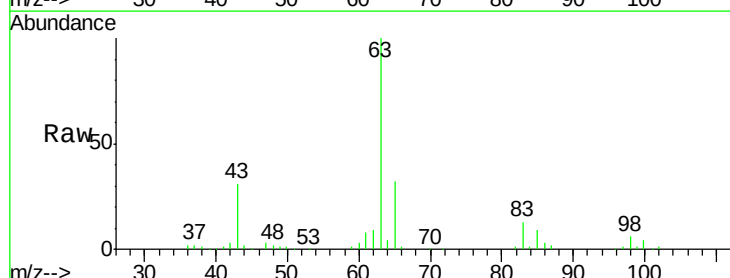
Tgt Ion: 63 Resp: 454267

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

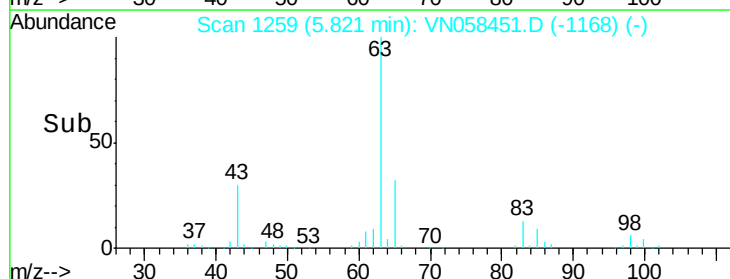
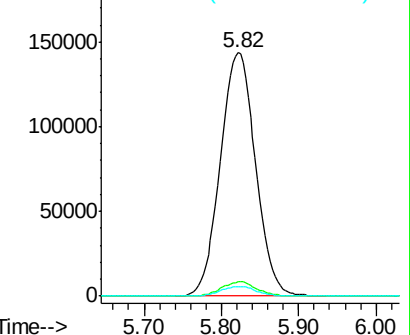
100 4.1 2.0 5.8

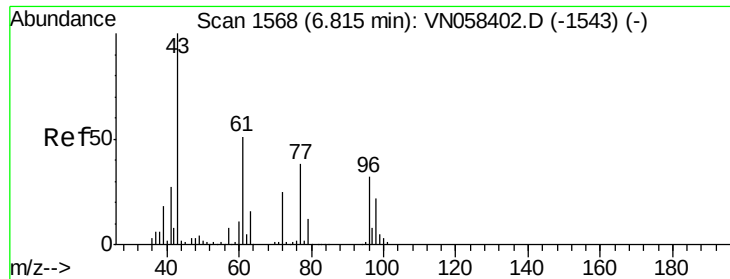


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 280.071 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 801401

Ion Ratio Lower Upper

43 100

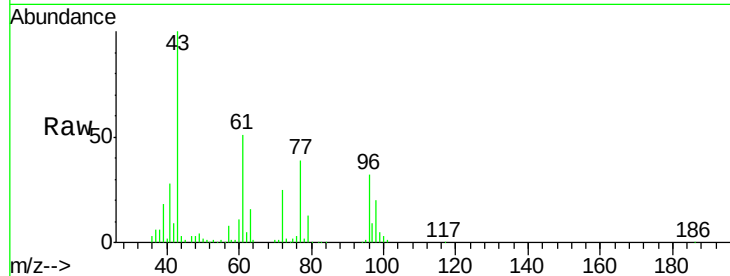
72 25.1 20.2 30.4

Manual Integrations

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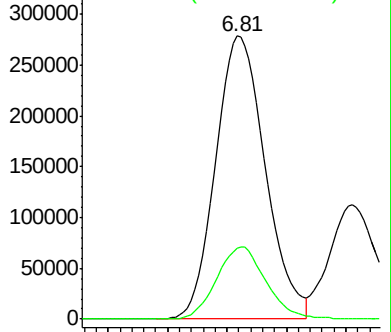
MMDadoda

10/3/2019 12:20:10 PM

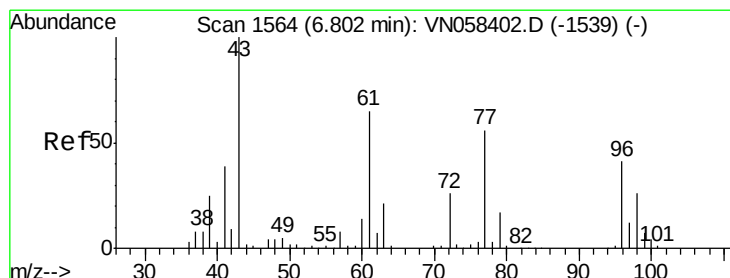
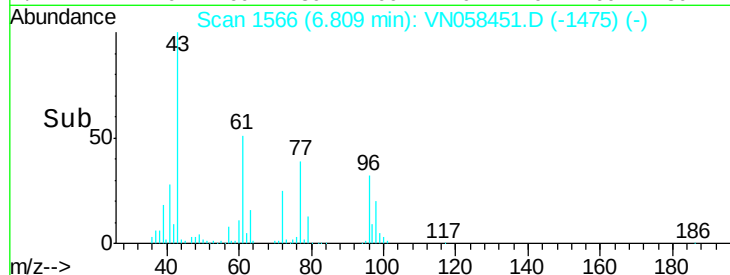


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 52.754 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058451.D

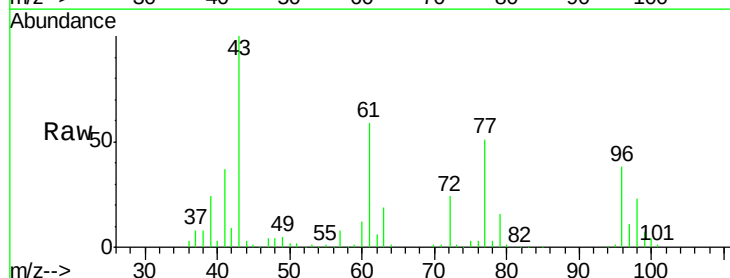
Acq: 1 Oct 2019 9:50

Tgt Ion: 77 Resp: 377250

Ion Ratio Lower Upper

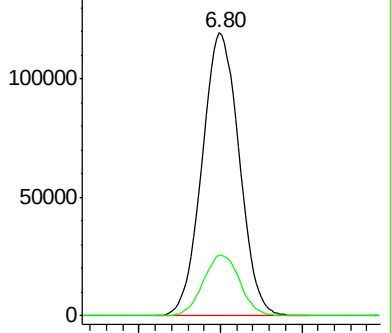
77 100

97 21.2 10.9 32.6

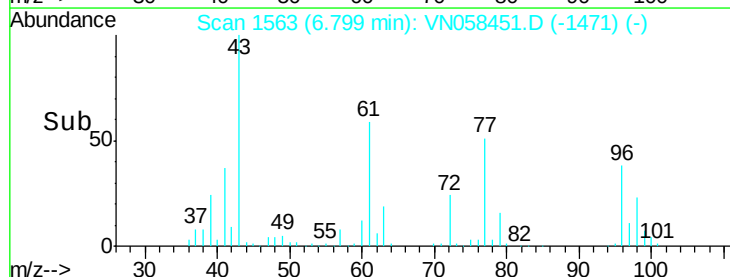


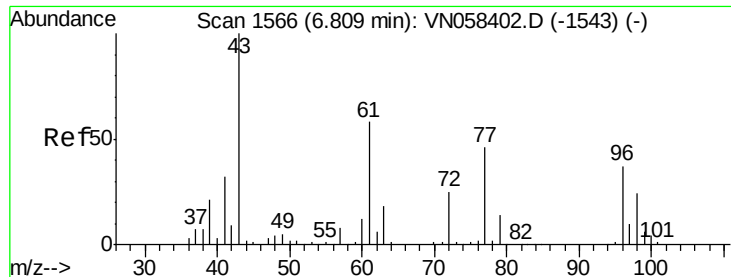
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

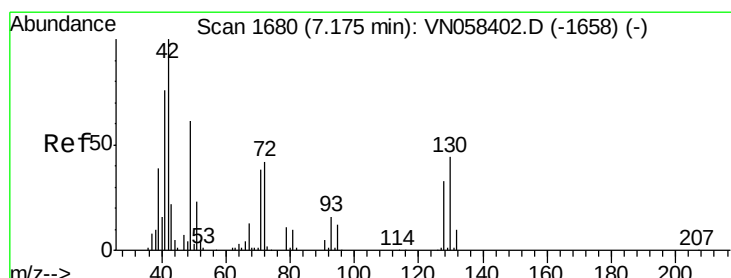
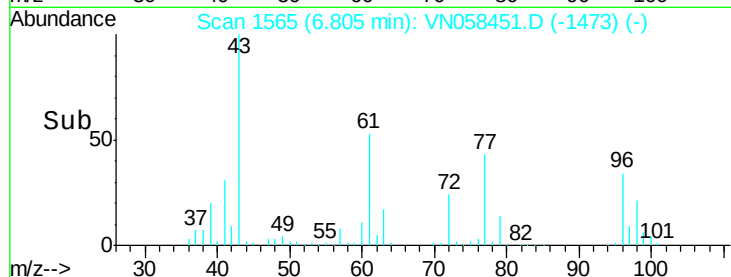
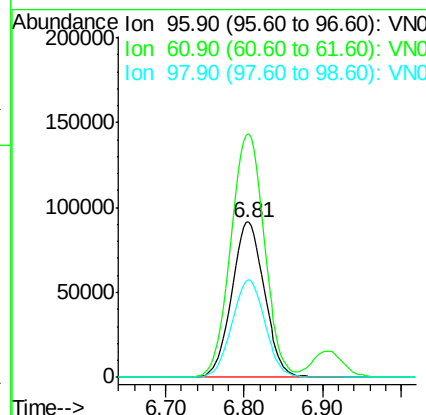
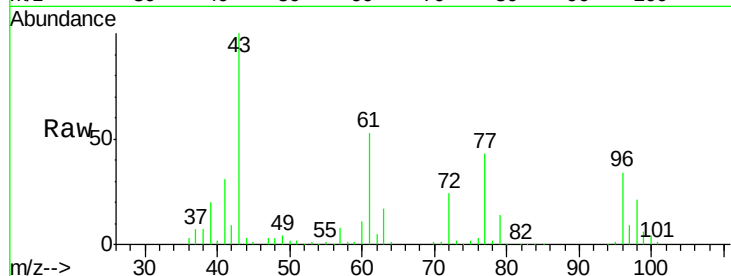
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	262911
Ion Ratio	Lower	Upper	
96	100		
61	161.5	0.0	318.8
98	63.6	0.0	129.8

Manual Integrations
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MMDadoda
10/3/2019 12:20:10 PM



#28

Bromochloromethane

Concen: 52.733 ug/l

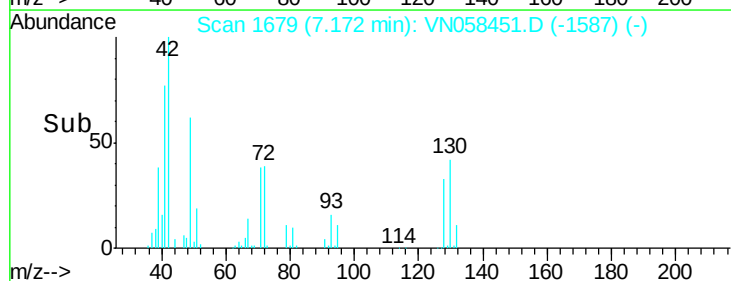
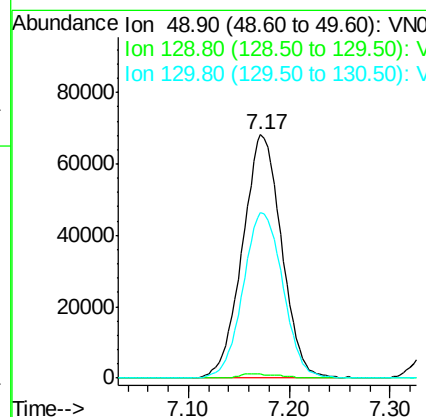
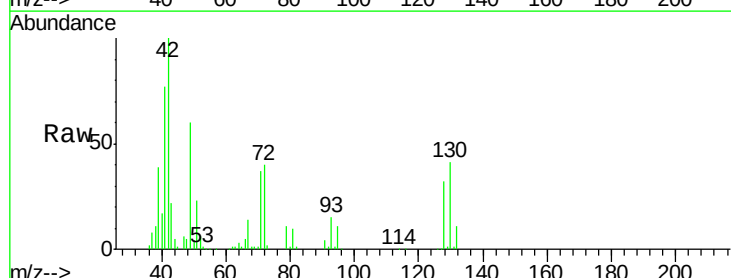
RT: 7.17 min Scan# 1679

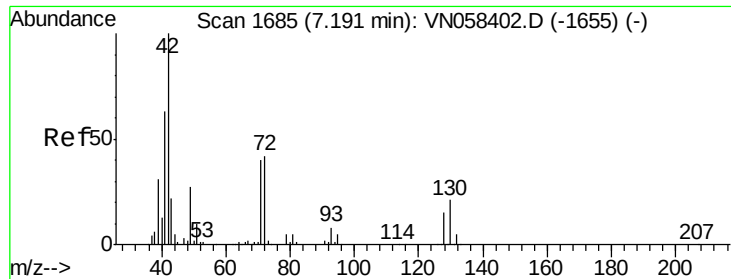
Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion:	49	Resp:	183353
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.4
130	69.2	56.3	84.5





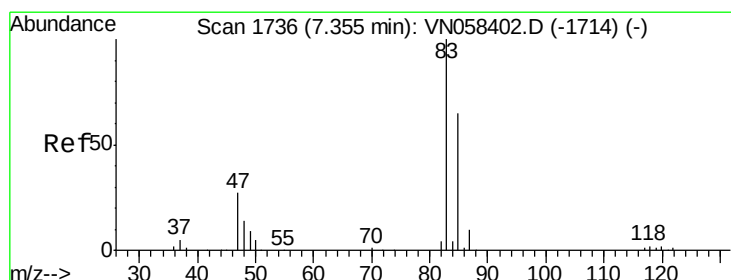
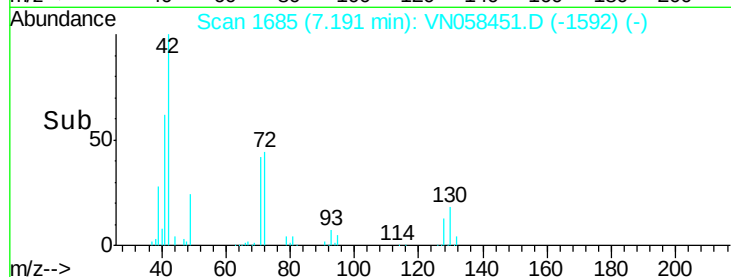
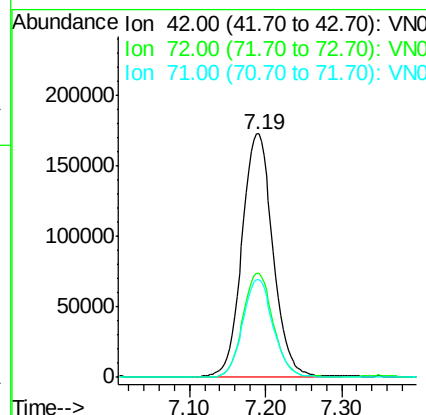
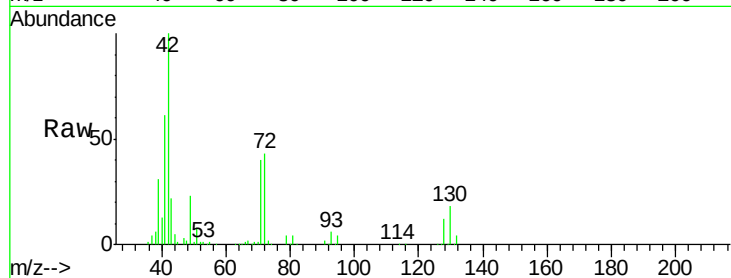
#29
Tetrahydrofuran
Concen: 268.219 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	39.7	31.8	47.6

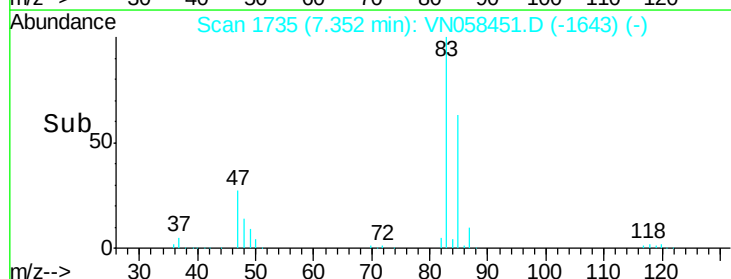
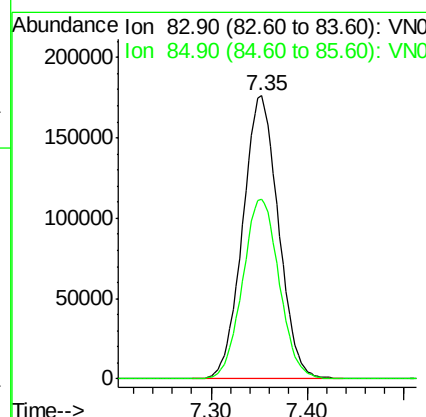
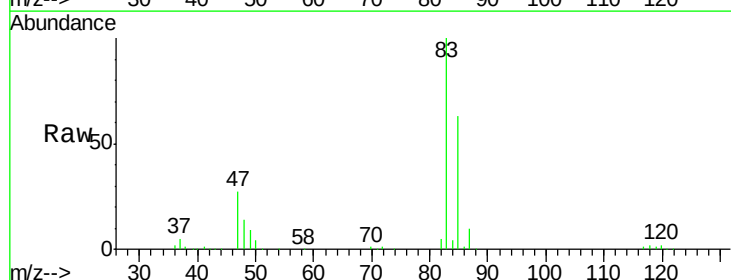
Manual Integrations
APPROVED

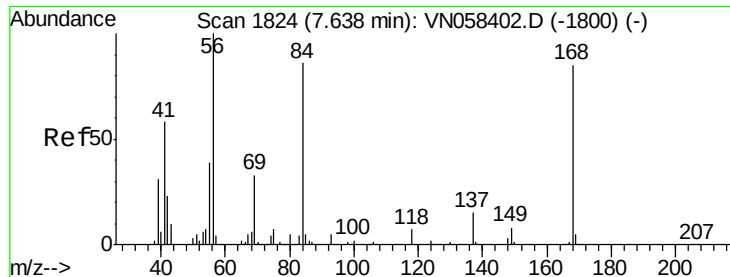
MMDadoda
10/3/2019 12:20:10 PM



#30
Chloroform
Concen: 51.431 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.0	78.0





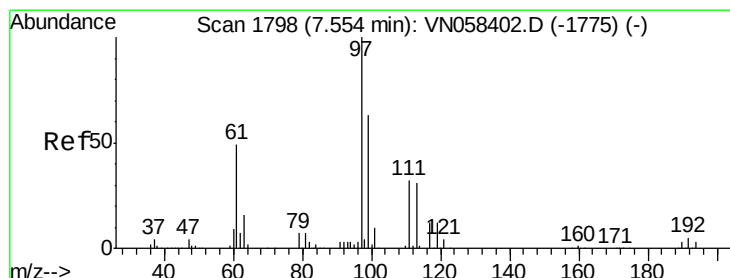
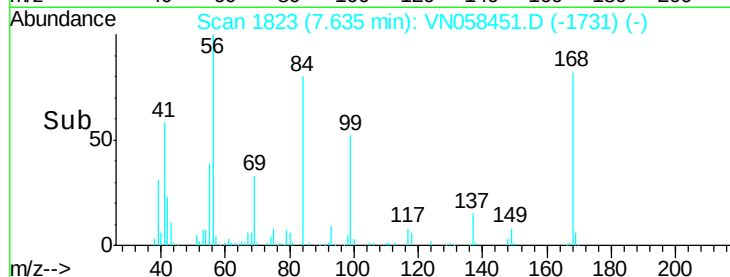
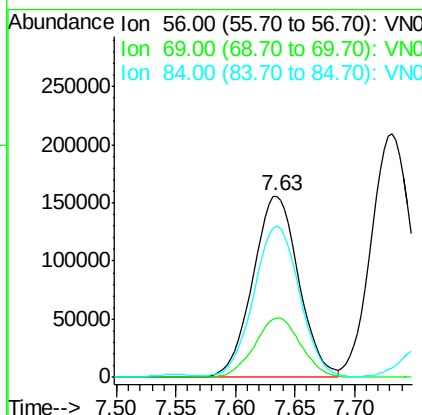
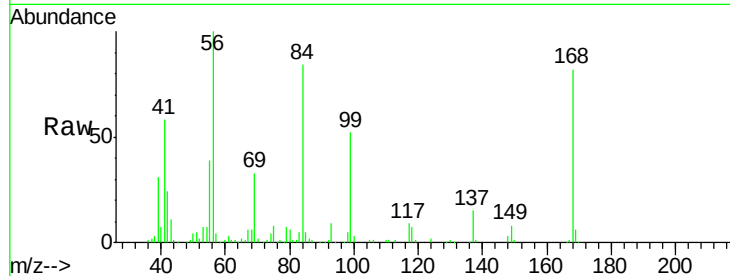
#31
Cyclohexane
Concen: 49.098 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	82.3	67.6	101.4

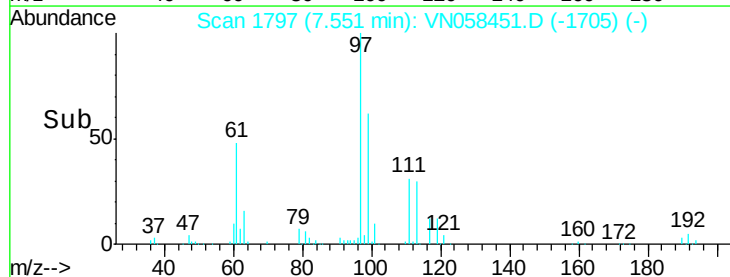
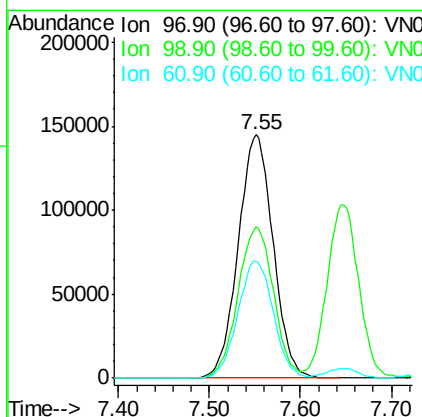
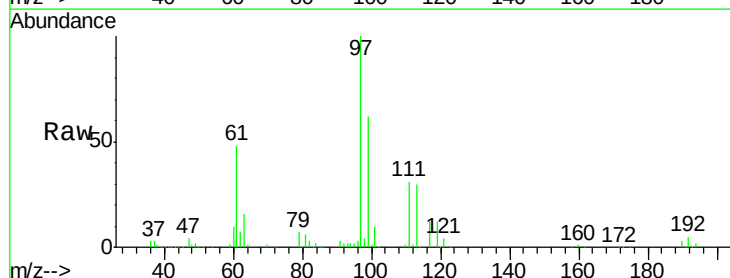
Manual Integrations
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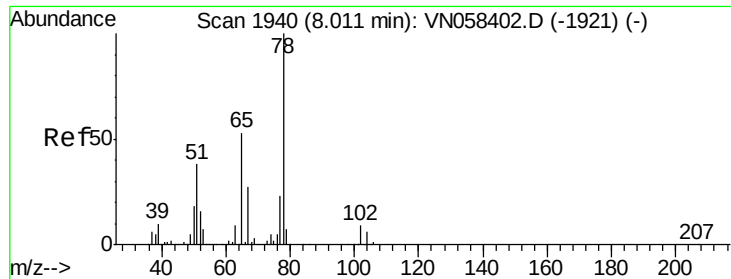
MMDadoda
10/3/2019 12:20:10 PM



#32
1,1,1-Trichloroethane
Concen: 53.307 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	48.9	39.2	58.8





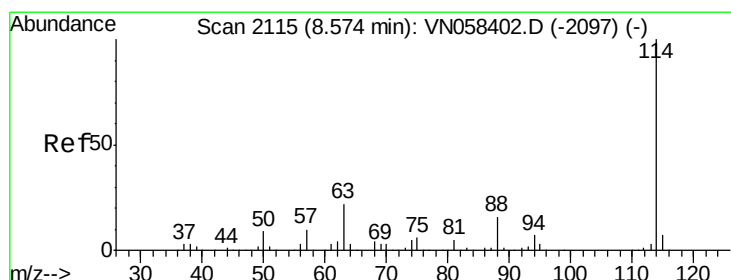
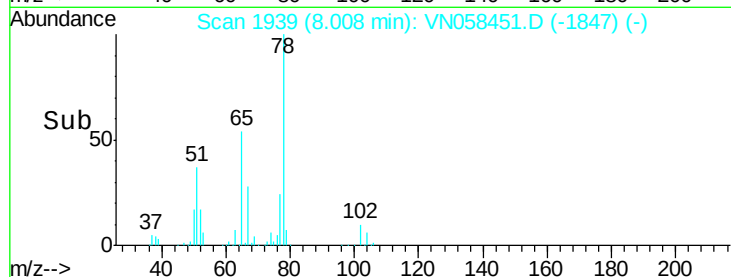
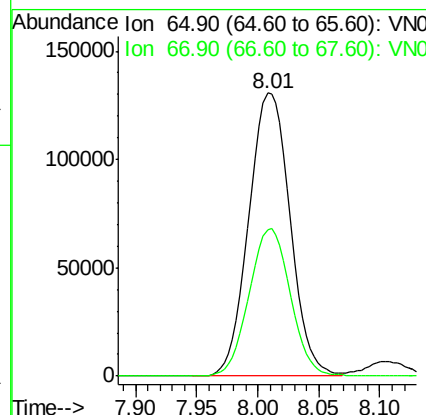
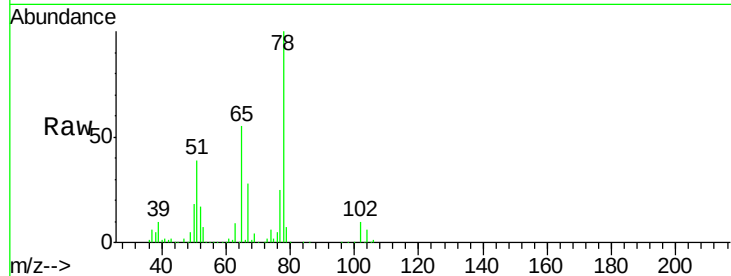
#33
 1,2-Dichloroethane-d4
 Concen: 50.223 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307052		
67	52.0	0.0	102.4	

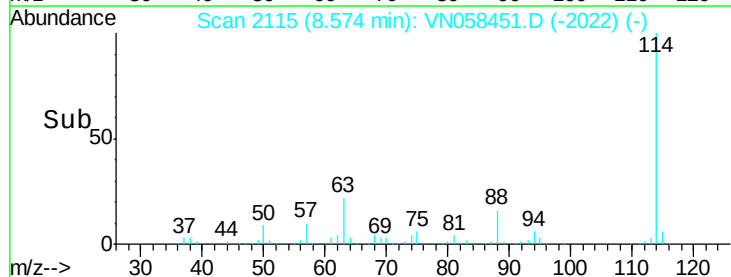
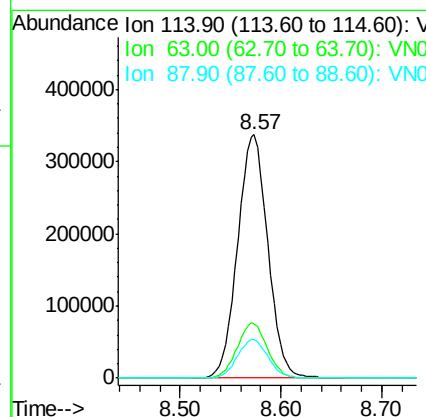
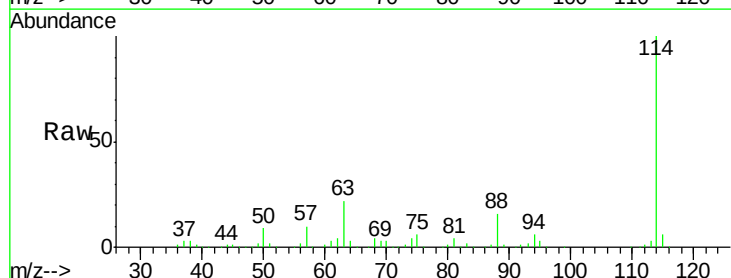
Manual Integrations
 APPROVED

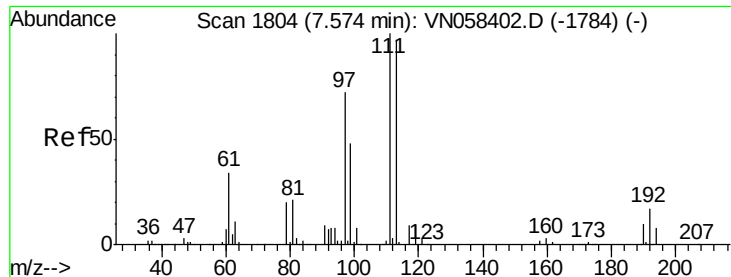
MMDadoda
 10/3/2019 12:20:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	701280		
63	22.4	0.0	45.0	
88	15.9	0.0	32.2	





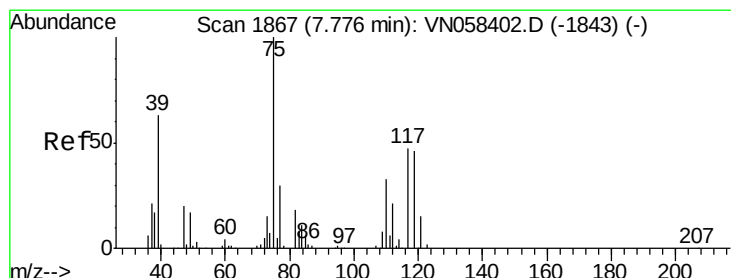
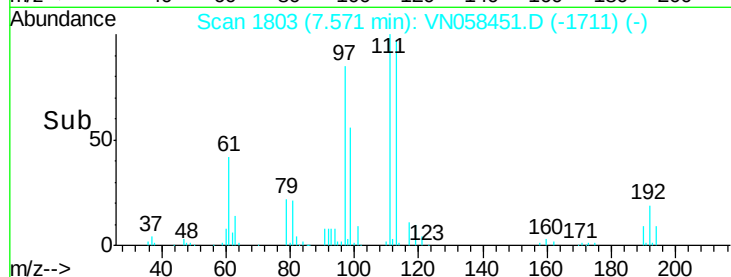
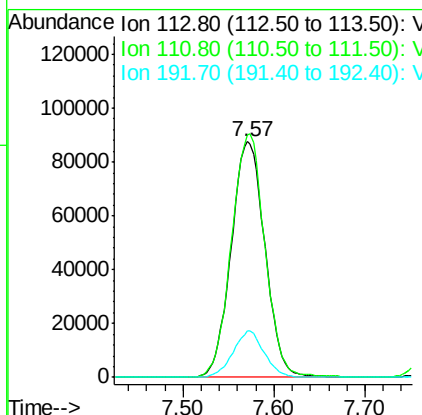
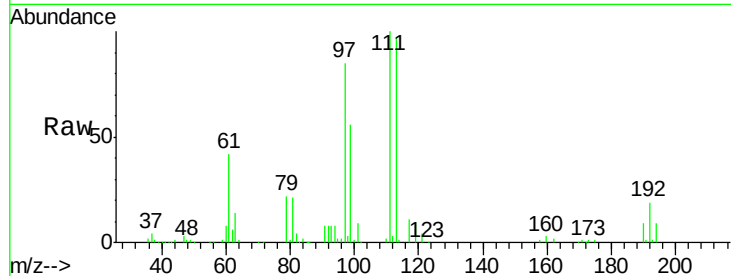
#35
 Dibromofluoromethane
 Concen: 52.589 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226033		
111	101.9	83.4	125.2	
192	18.0	14.9	22.3	

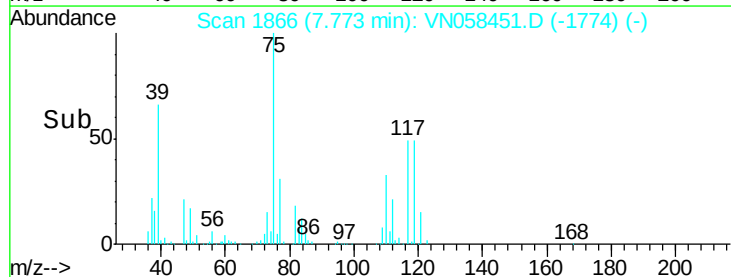
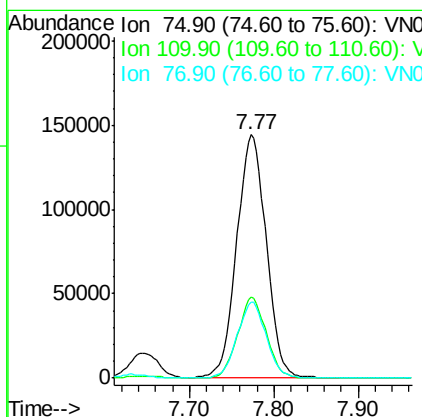
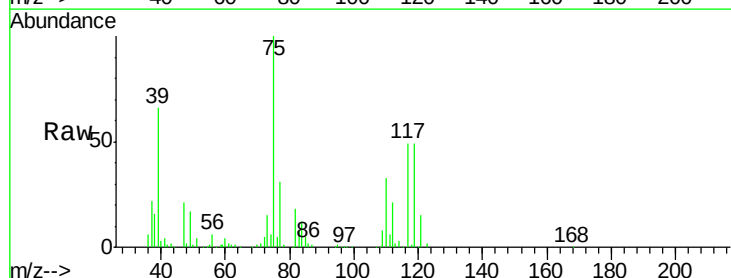
Manual Integrations
 APPROVED

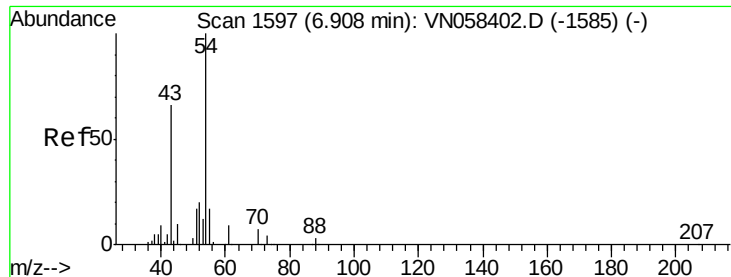
MMDadoda
 10/3/2019 12:20:10 PM



#36
 1,1-Dichloropropene
 Concen: 52.561 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	352453		
110	32.2	16.4	49.2	
77	30.9	24.3	36.5	





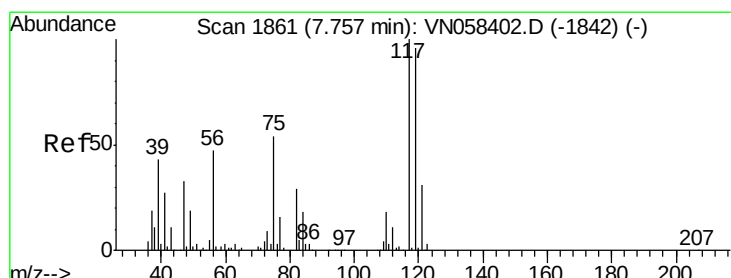
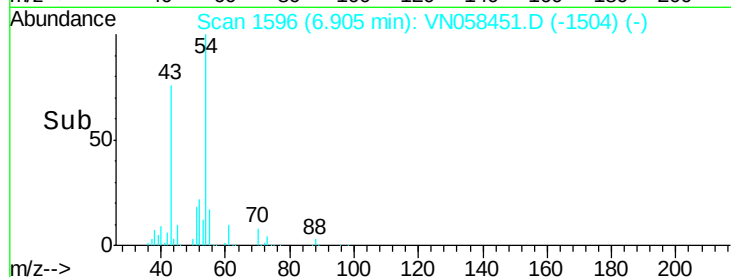
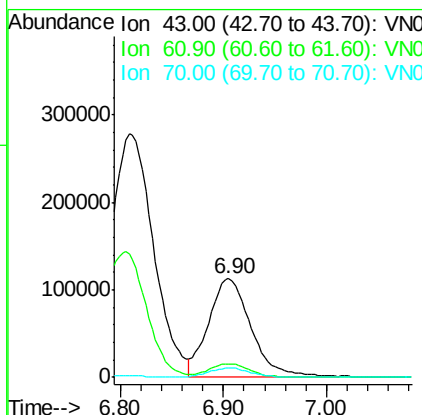
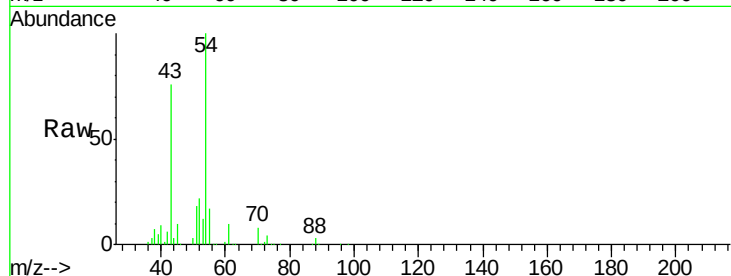
#37
Ethyl Acetate
Concen: 55.610 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.6	7.8	11.6

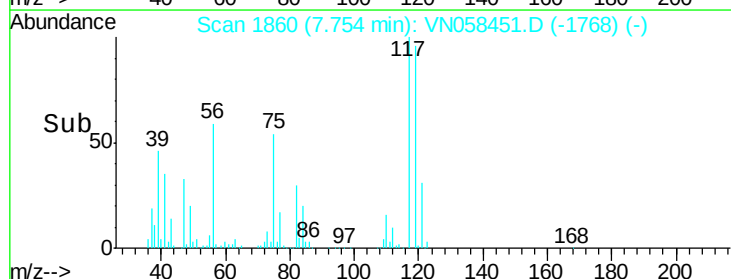
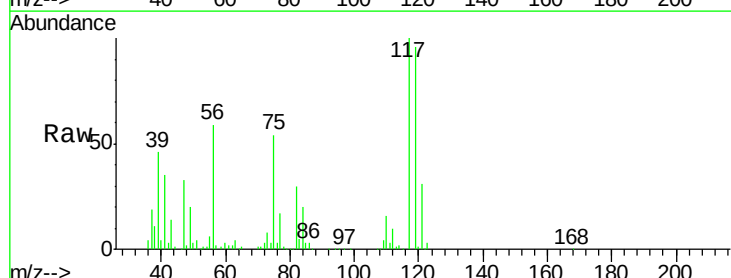
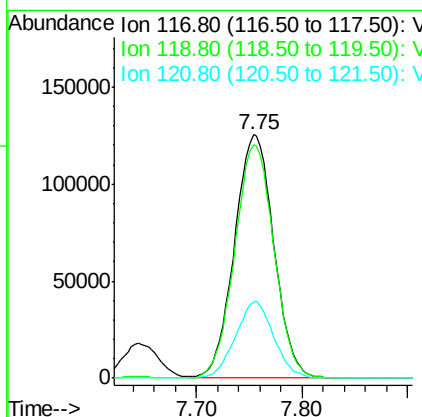
Manual Integrations
APPROVED

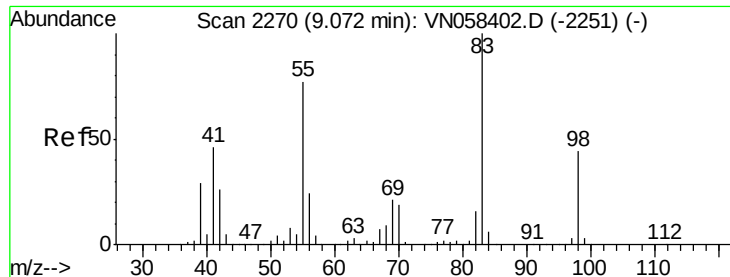
MMDadoda
10/3/2019 12:20:10 PM



#38
Carbon Tetrachloride
Concen: 53.472 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	31.4	24.7	37.1





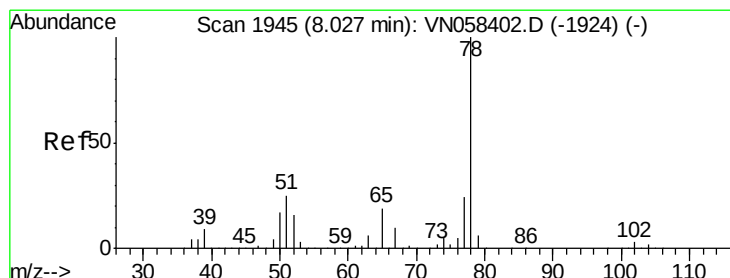
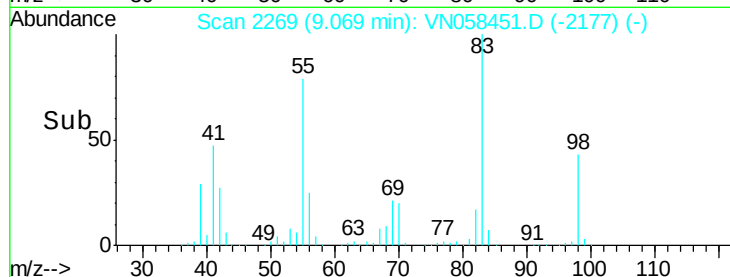
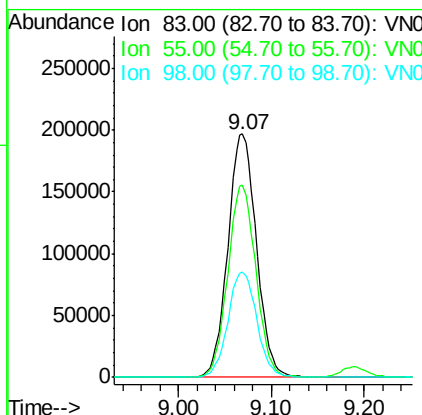
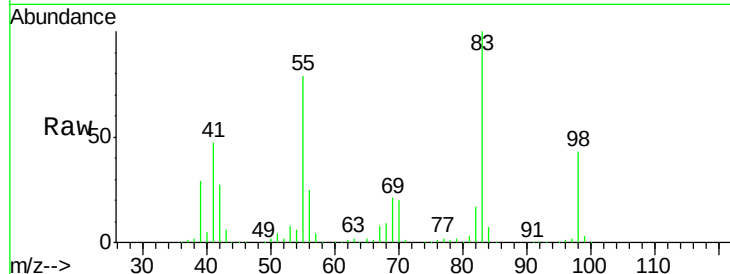
#39
Methylvlcyclohexane
Concen: 53.774 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.8	92.6
98	43.1	35.4	53.0

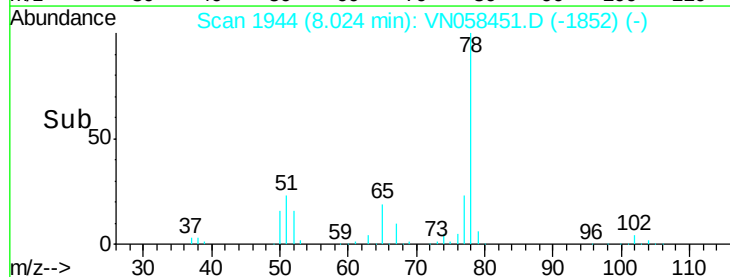
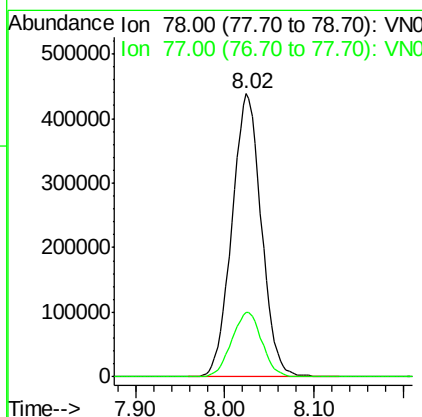
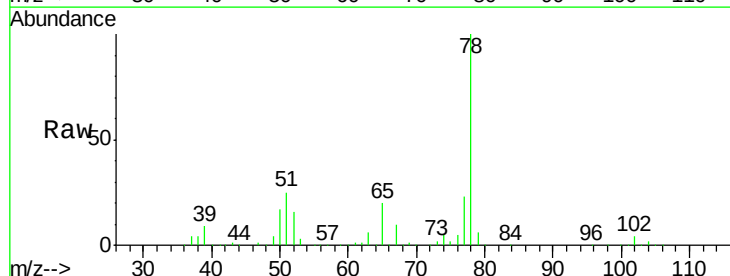
Manual Integrations
APPROVED

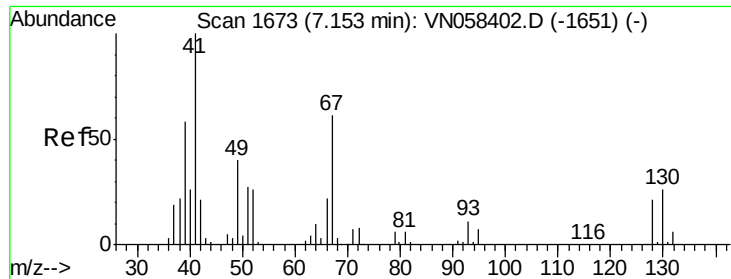
MMDadoda
10/3/2019 12:20:10 PM



#40
Benzene
Concen: 52.086 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





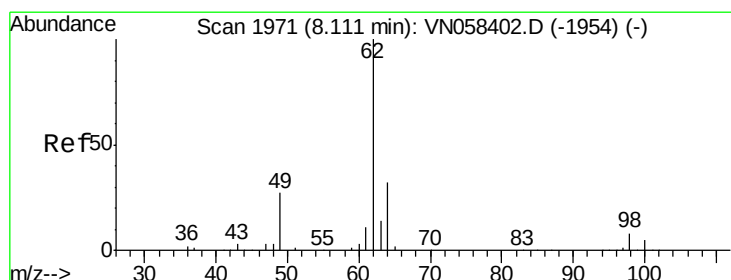
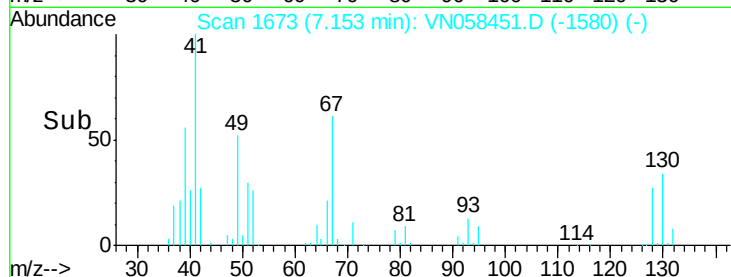
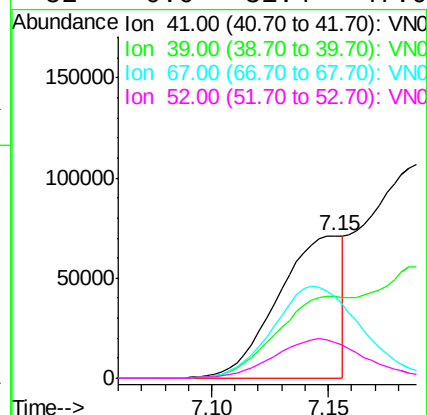
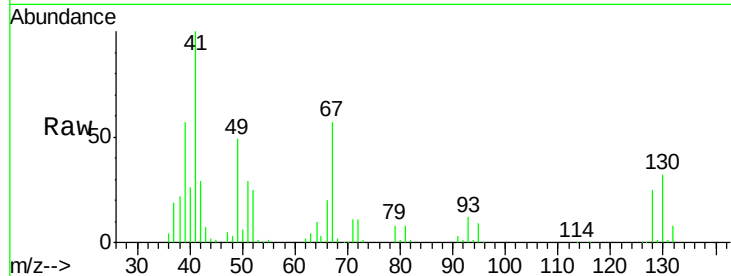
#41
Methacrylonitrile
Concen: 52.169 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

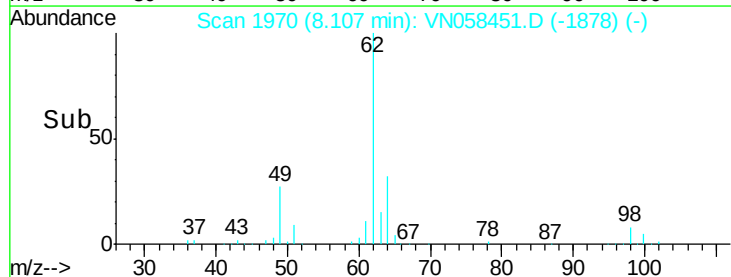
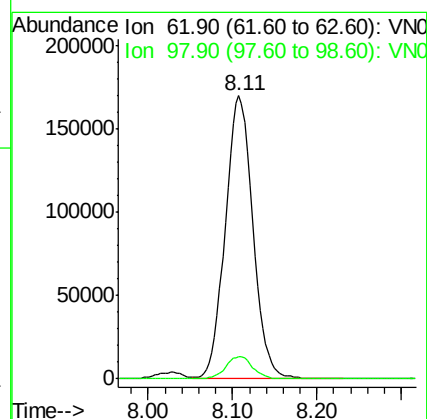
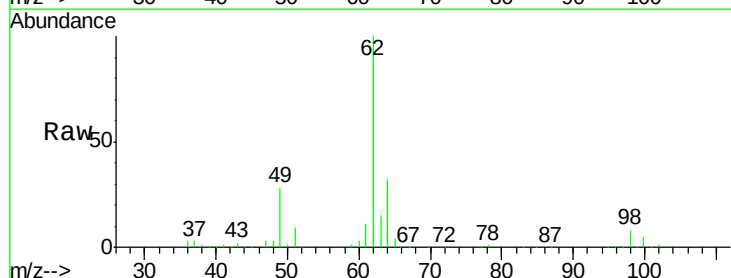
Manual Integrations
APPROVED

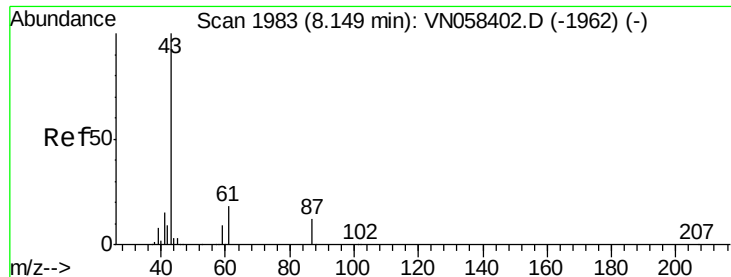
MMDadoda
10/3/2019 12:20:10 PM



#42
1,2-Dichloroethane
Concen: 51.440 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





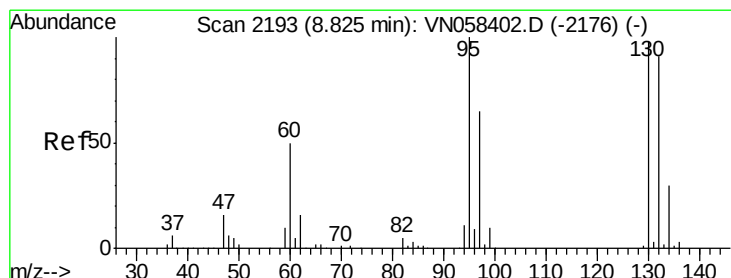
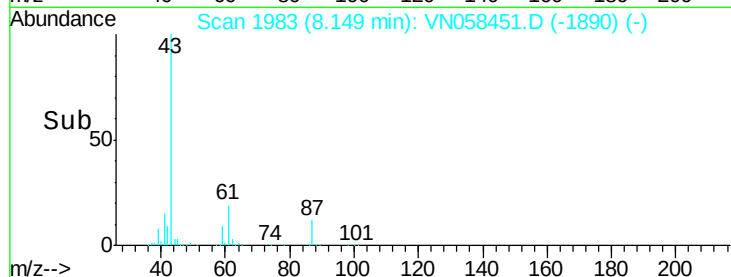
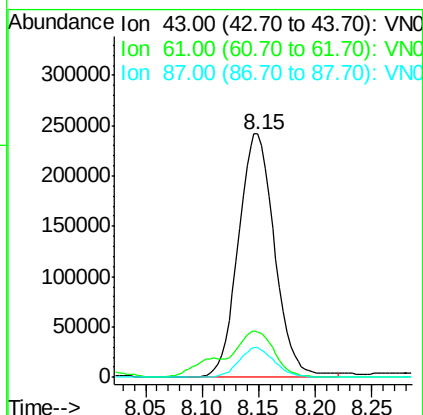
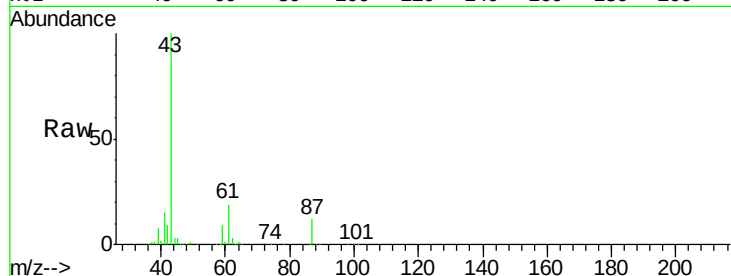
#43
Isopropyl Acetate
Concen: 50.389 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.8	22.2
87	12.0	9.7	14.5

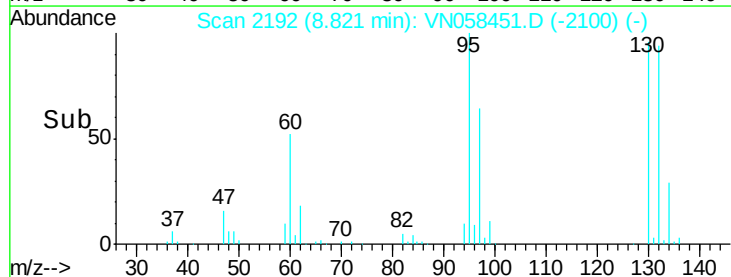
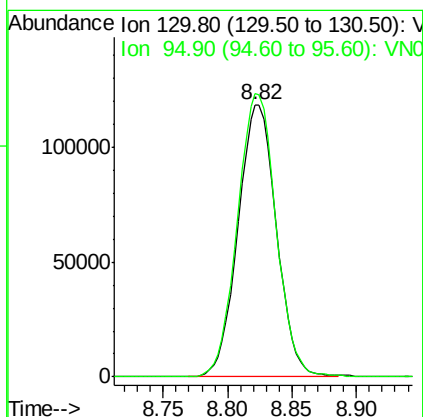
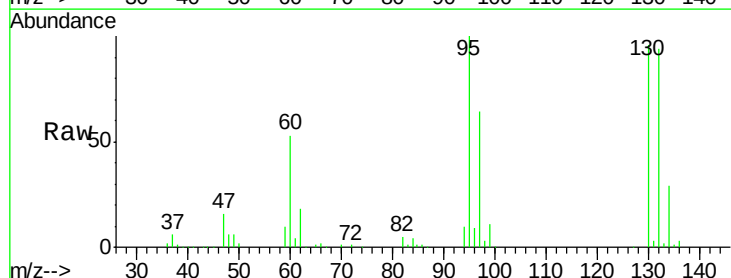
Manual Integrations
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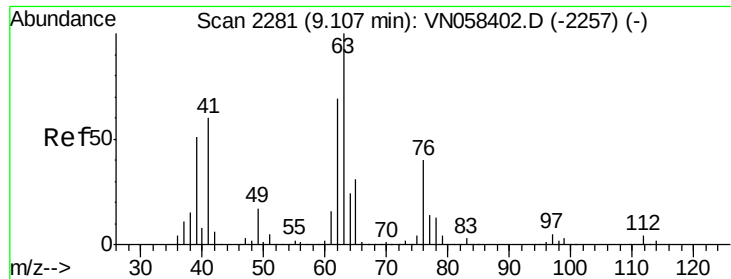
MMDadoda
10/3/2019 12:20:10 PM



#44
Trichloroethene
Concen: 51.692 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	204.2





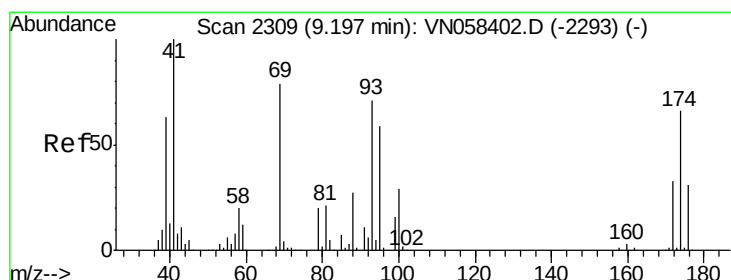
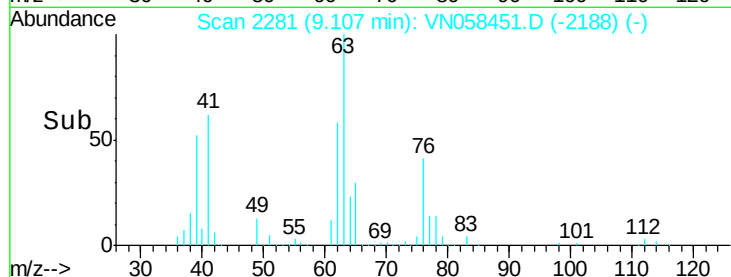
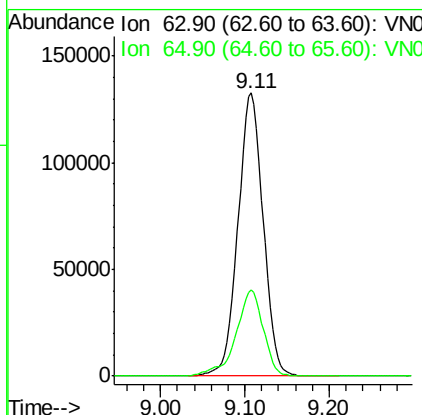
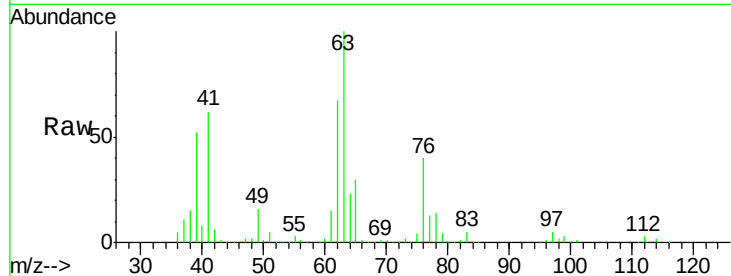
#45
 1,2-Dichloropropane
 Concen: 53.598 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 277074
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

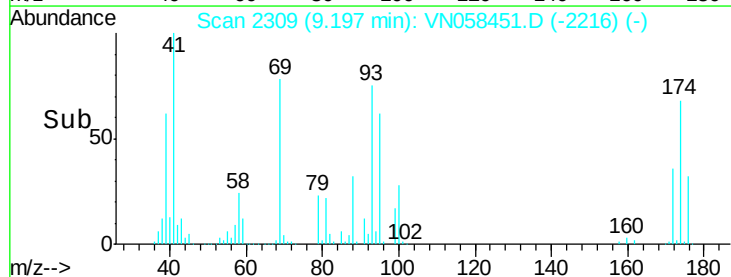
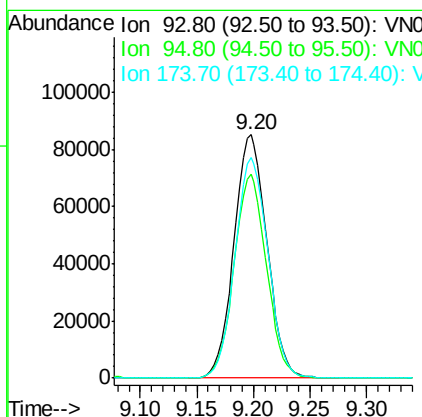
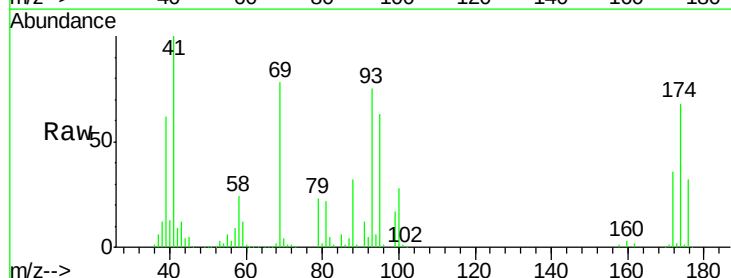
Manual Integrations
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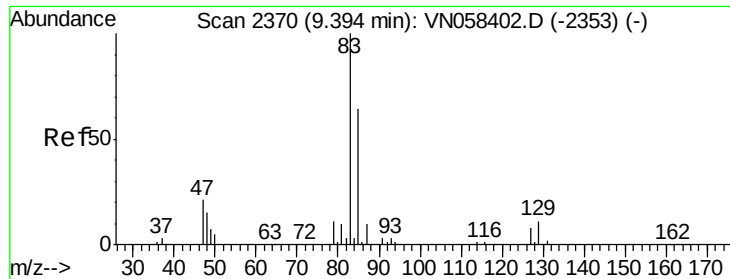
MMDadoda
 10/3/2019 12:20:10 PM



#46
 Dibromomethane
 Concen: 52.938 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 93 Resp: 173306
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.4
 174 90.4 74.2 111.2





#47

Bromodichloromethane

Concen: 56.173 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 348422

Ion Ratio Lower Upper

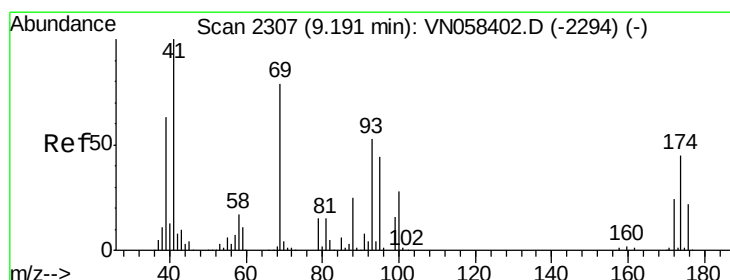
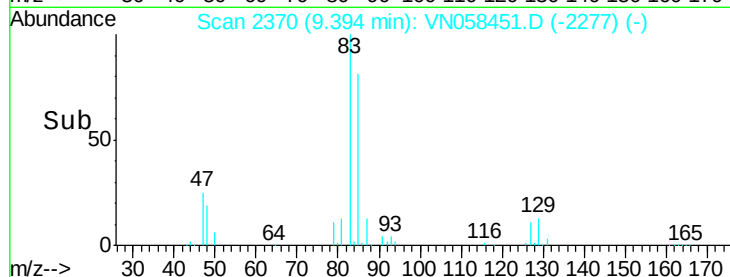
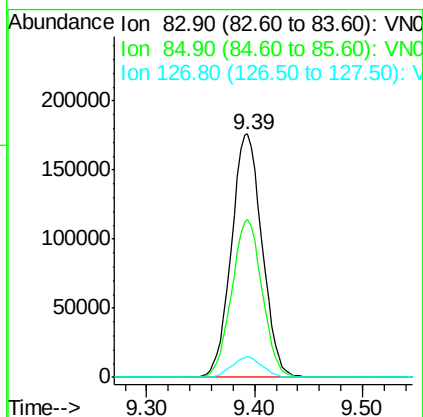
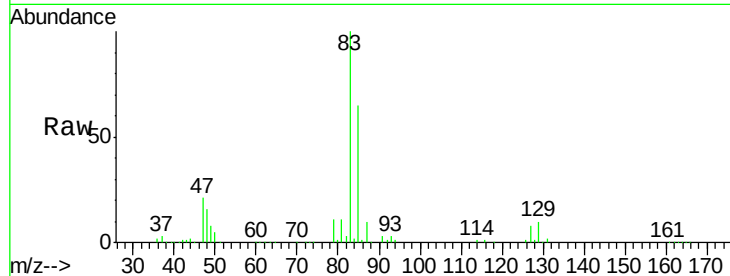
83 100

85 64.6 51.2 76.8

127 8.4 6.3 9.5

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MMDadoda
10/3/2019 12:20:10 PM



#48

Methyl methacrylate

Concen: 53.612 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

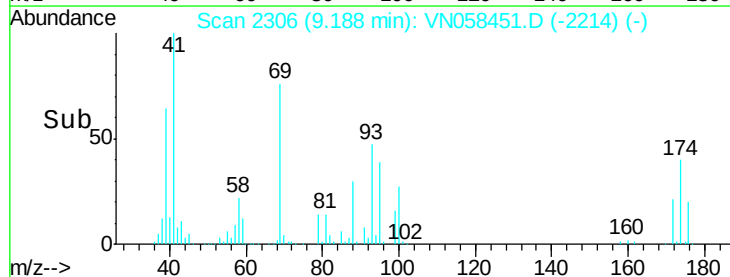
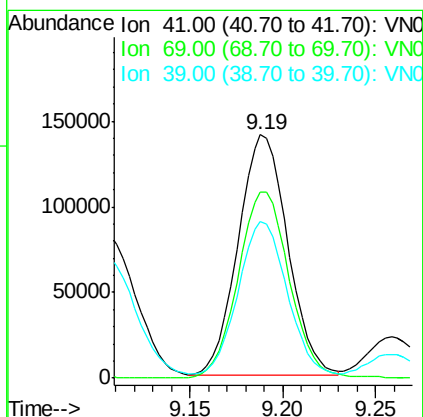
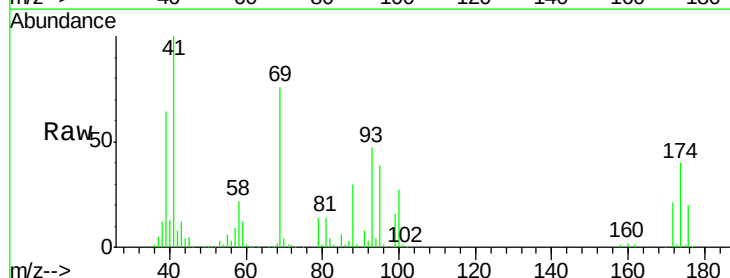
Tgt Ion: 41 Resp: 260985

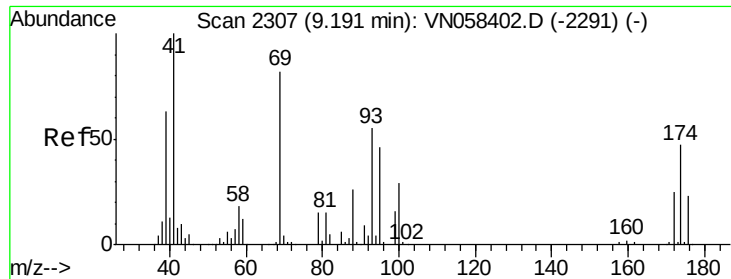
Ion Ratio Lower Upper

41 100

69 80.3 64.7 97.1

39 65.4 52.9 79.3





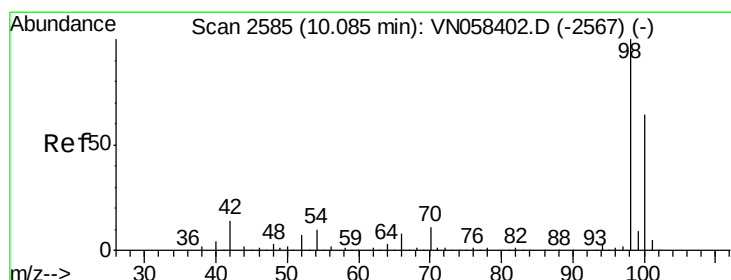
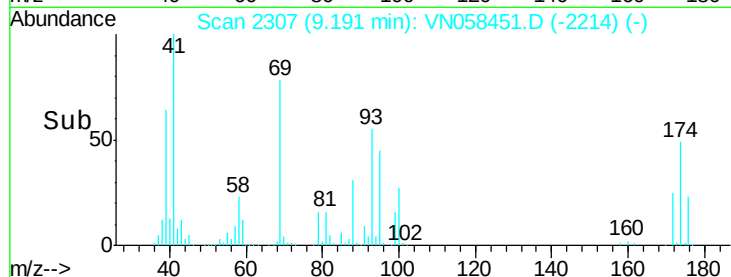
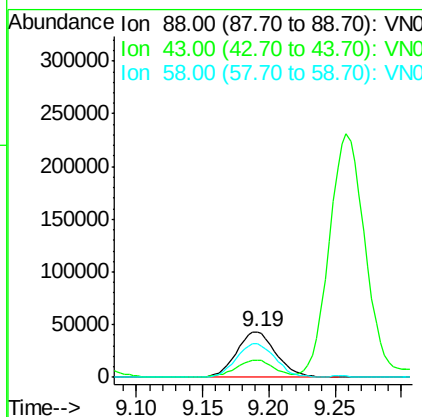
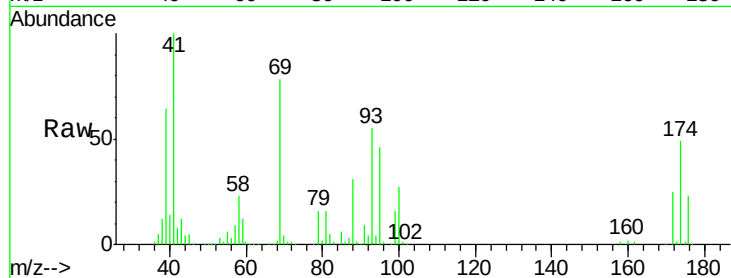
#49
1,4-Dioxane
Concen: 1383.532 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	90057
Ion	Ratio	Lower	Upper
88	100		
43	35.8	31.1	46.7
58	73.3	58.1	87.1

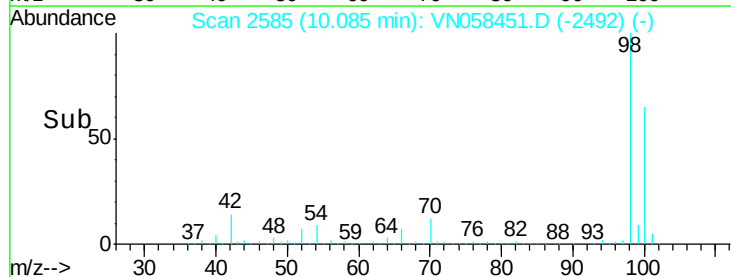
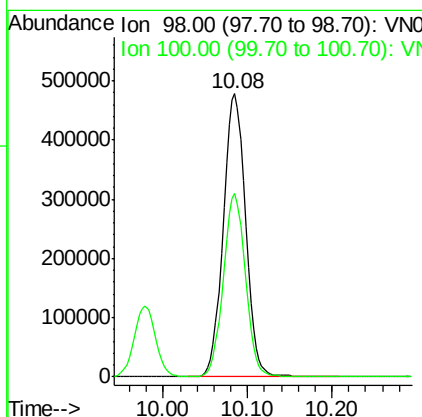
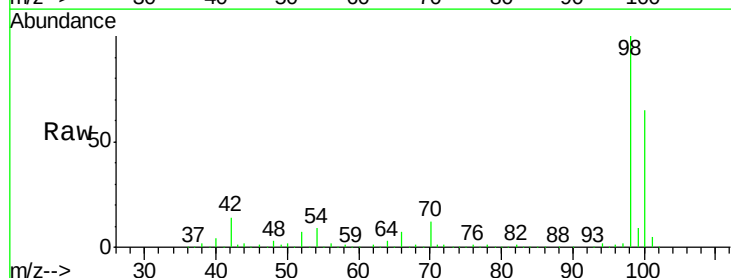
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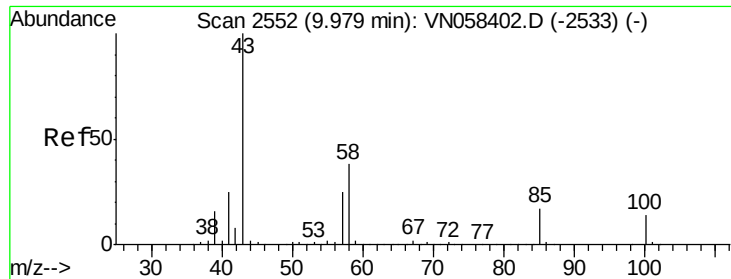
MMDadoda
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#50
Toluene-d8
Concen: 52.273 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	98	Resp	880132
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 289.292 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1588654

Ion Ratio Lower Upper

43 100

58 37.1

30.2

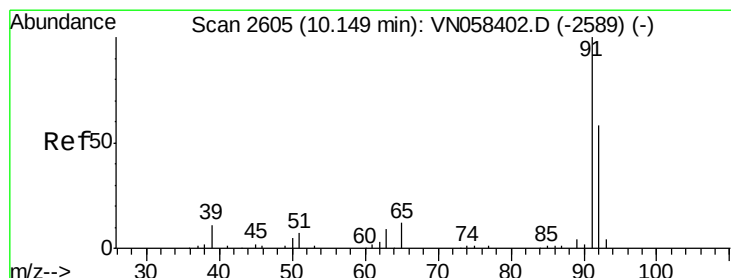
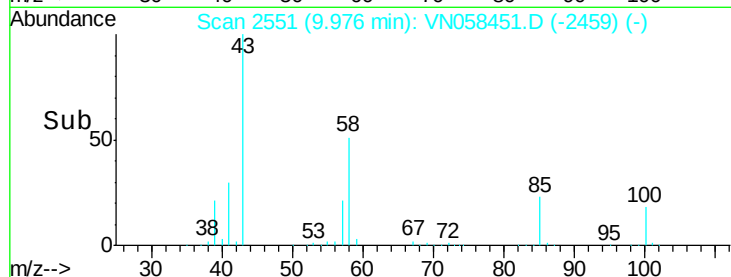
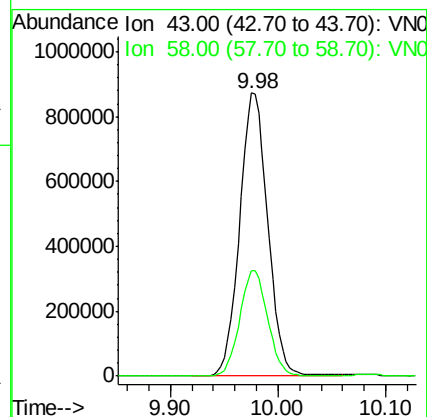
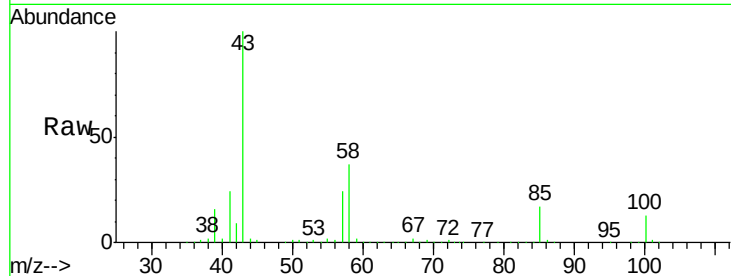
45.2

Manual Integrations

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#52

Toluene

Concen: 51.489 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion: 92 Resp: 624684

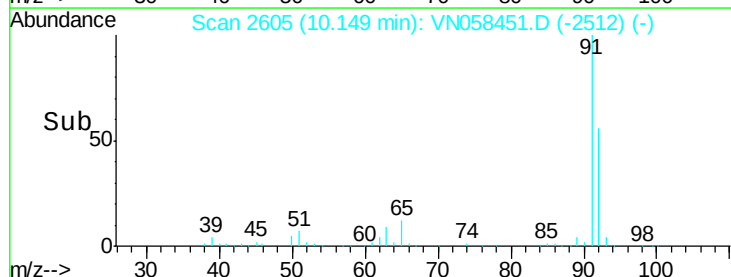
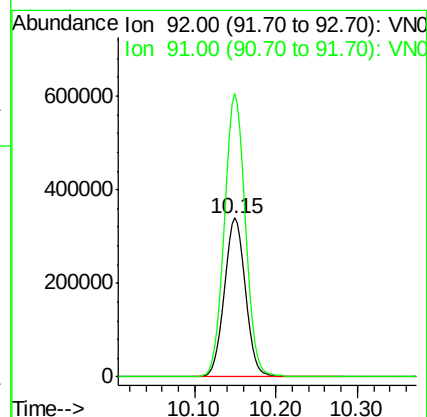
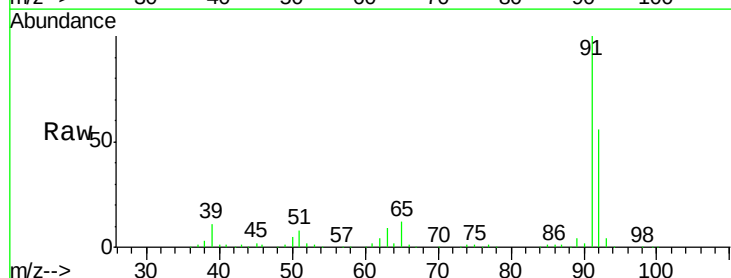
Ion Ratio Lower Upper

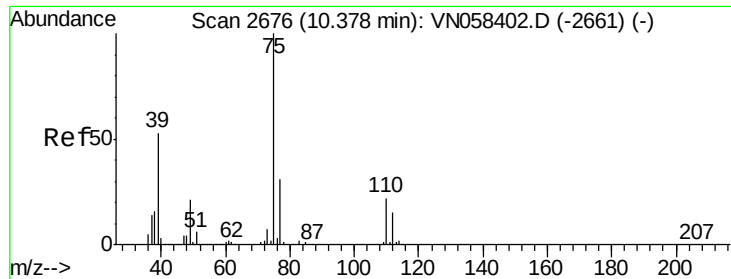
92 100

91 177.6

140.2

210.4





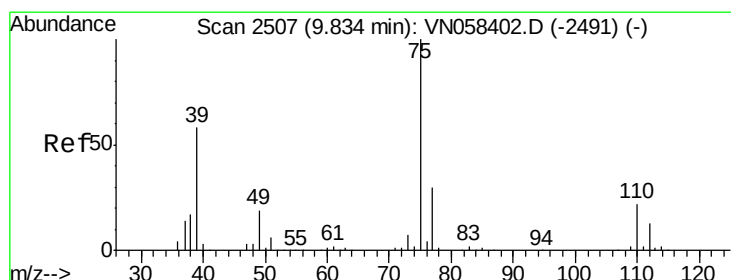
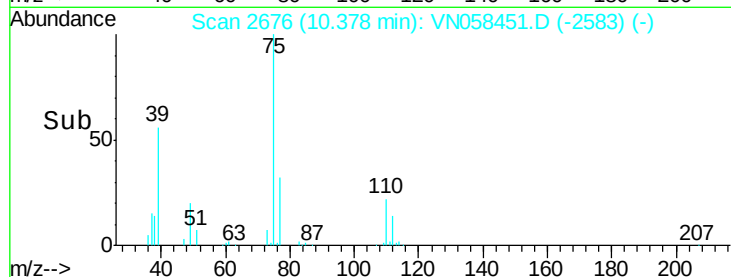
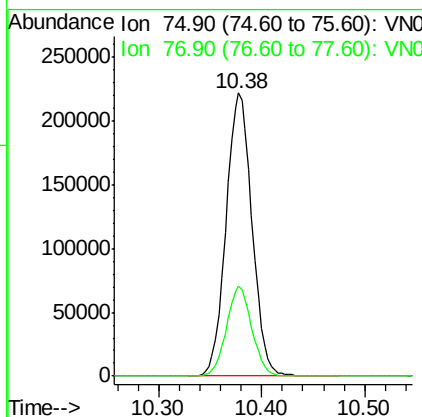
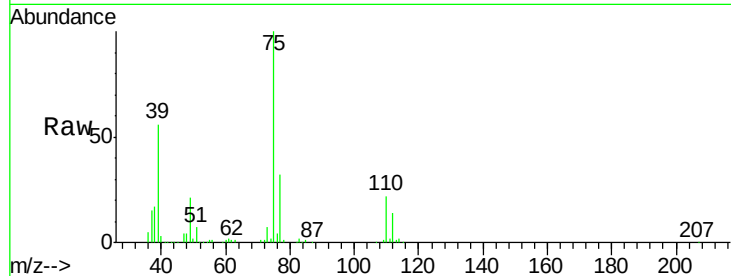
#53
t-1,3-Dichloropropene
Concen: 57.659 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 389268
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

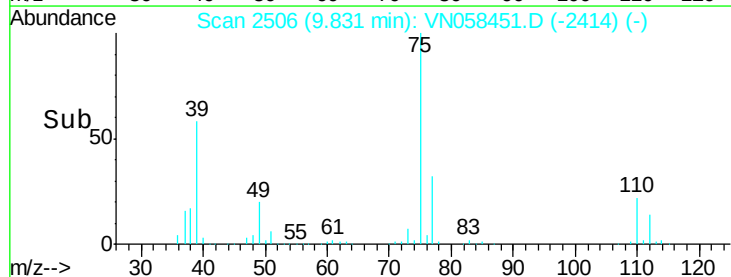
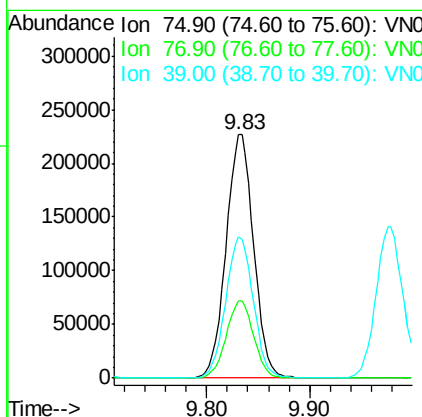
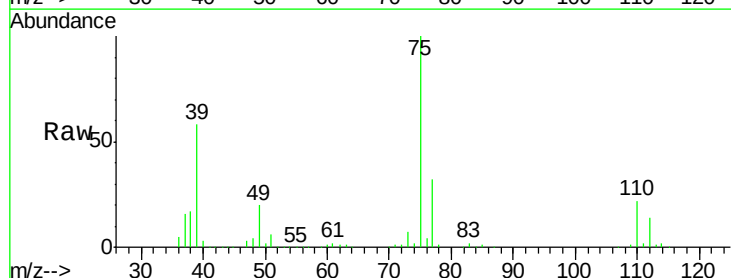
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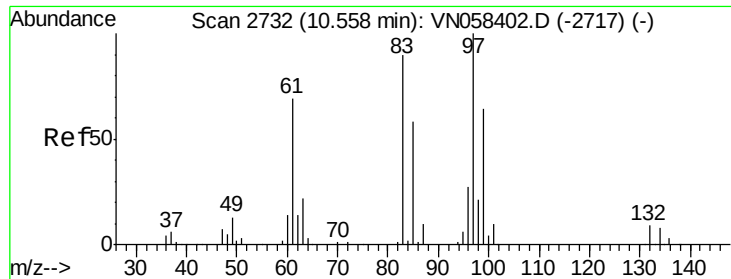
MMDadoda
10/3/2019 12:20:10 PM



#54
cis-1,3-Dichloropropene
Concen: 56.330 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 75 Resp: 422142
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4
39 58.0 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 54.732 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 241783
Ion Ratio Lower Upper

97 100

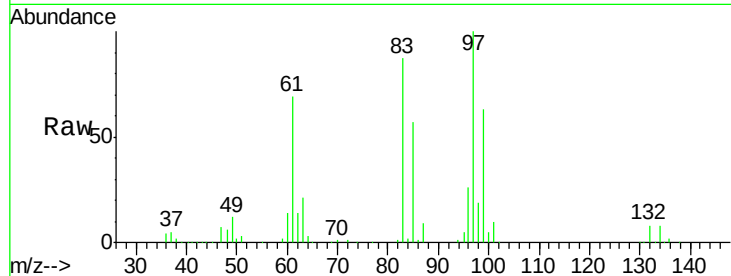
83 87.3 71.8 107.6

85 56.8 46.6 69.8

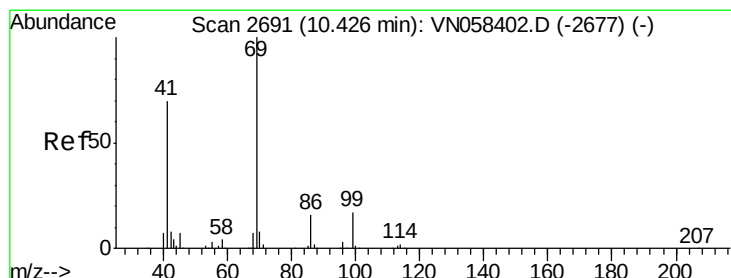
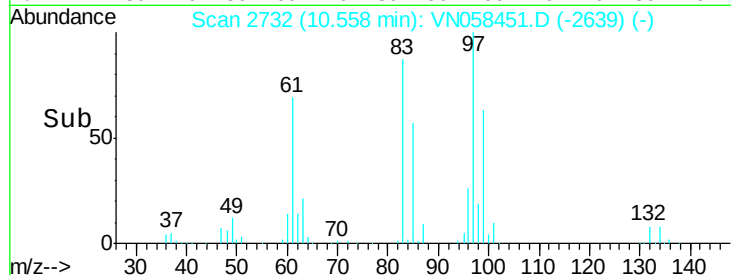
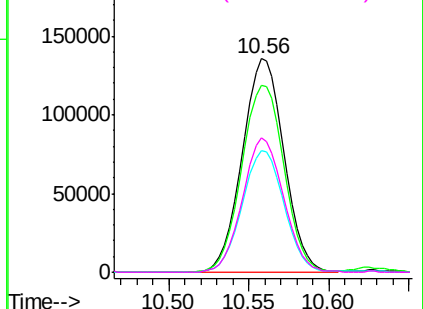
99 62.8 51.5 77.3

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Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 56.141 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058451.D

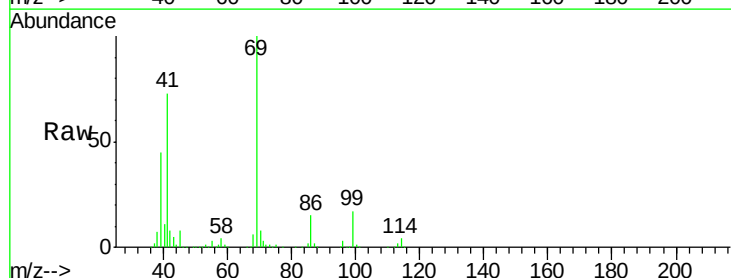
Acq: 1 Oct 2019 9:50

Tgt Ion: 69 Resp: 376325
Ion Ratio Lower Upper

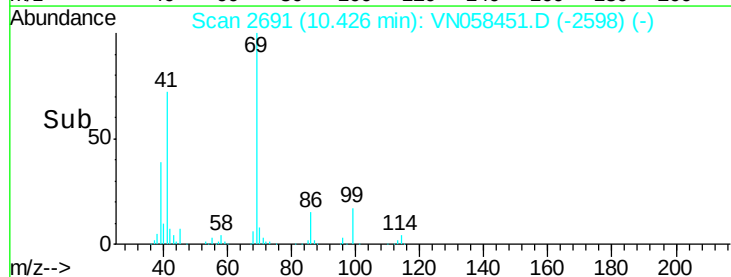
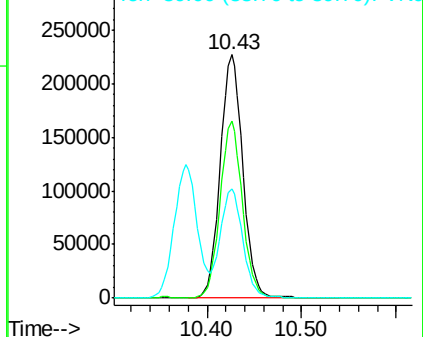
69 100

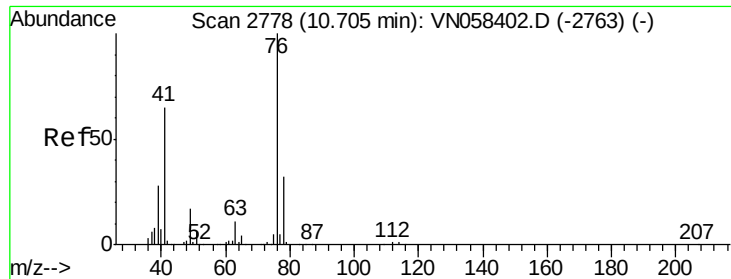
41 71.0 56.3 84.5

39 44.3 35.8 53.6



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





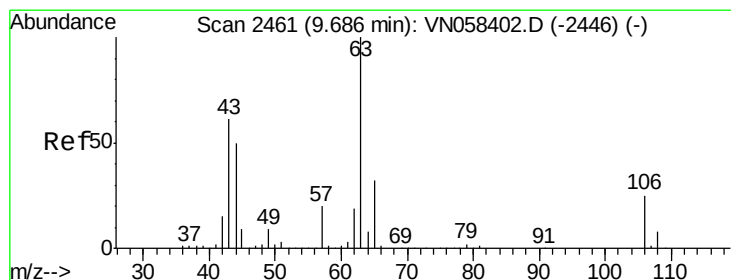
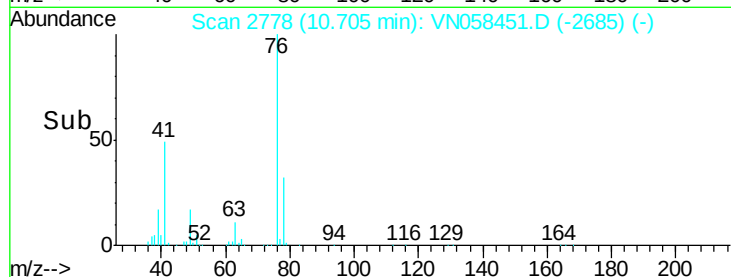
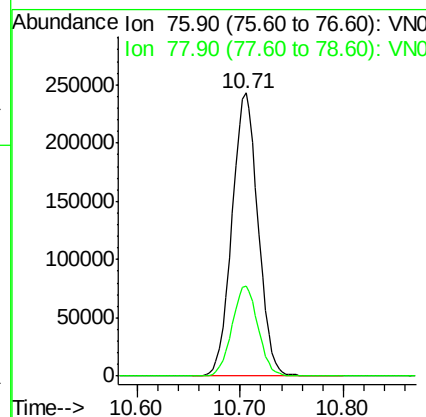
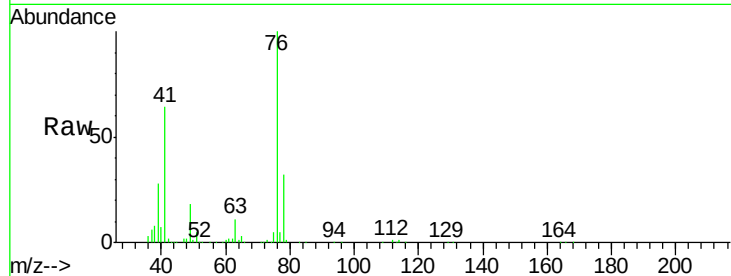
#57
 1,3-Dichloropropane
 Concen: 54.285 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 427751
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

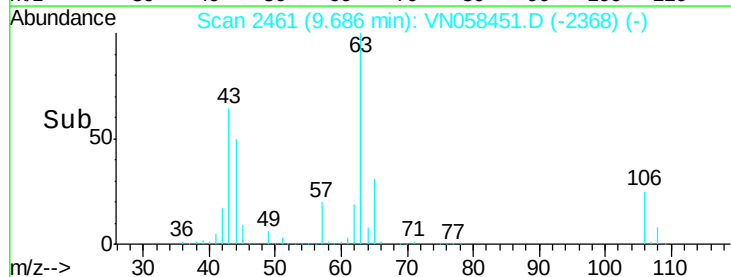
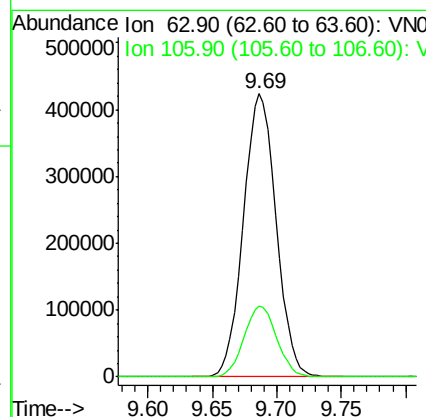
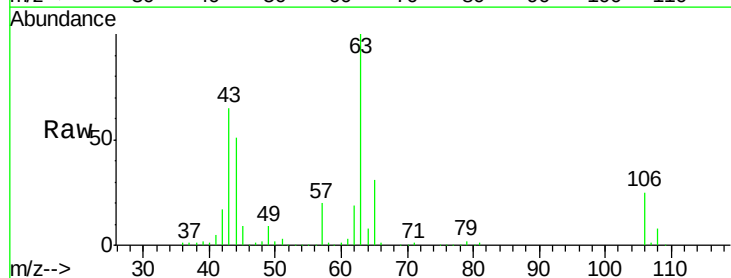
Manual Integrations
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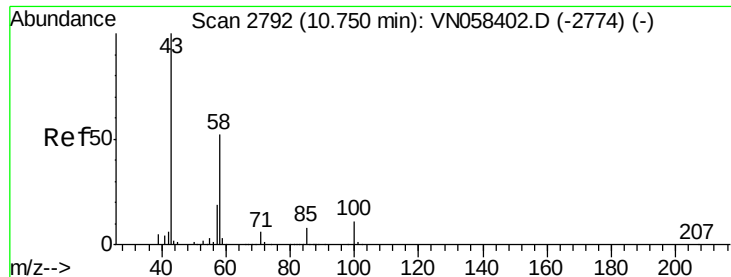
MMDadoda
 10/3/2019 12:20:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.189 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion: 63 Resp: 748917
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.3 30.5





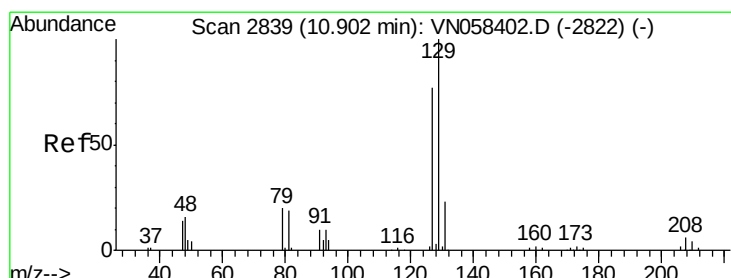
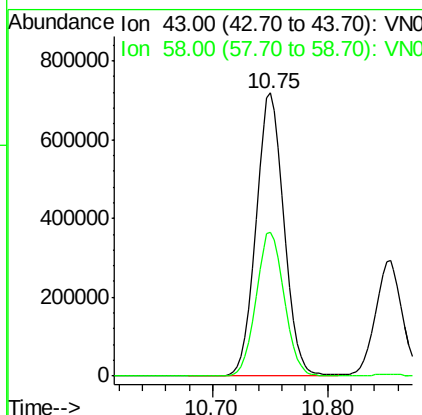
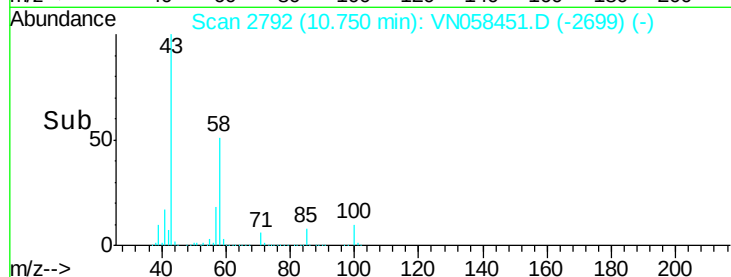
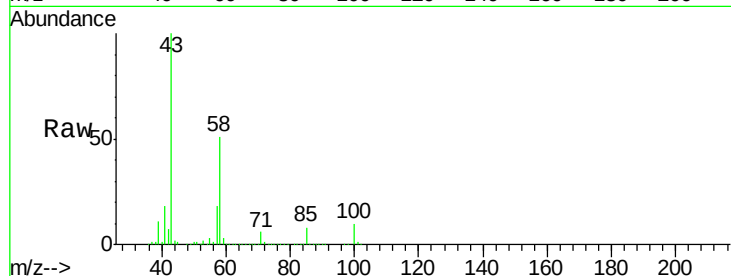
#59
2-Hexanone
Concen: 301.890 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1207155
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

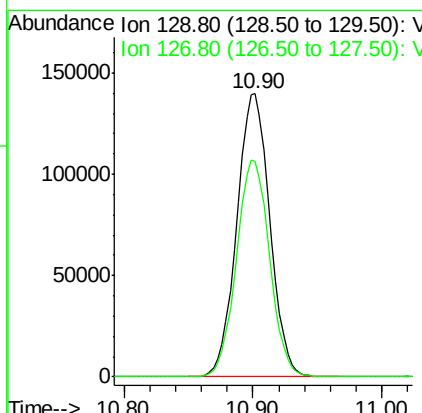
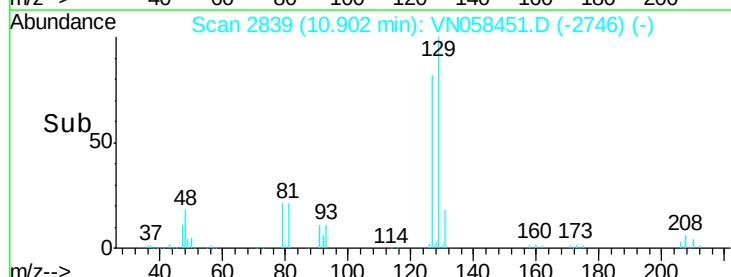
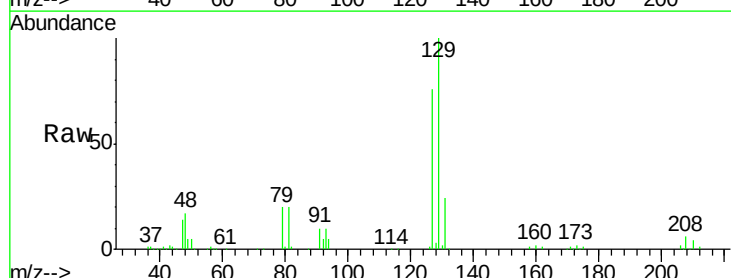
Manual Integrations
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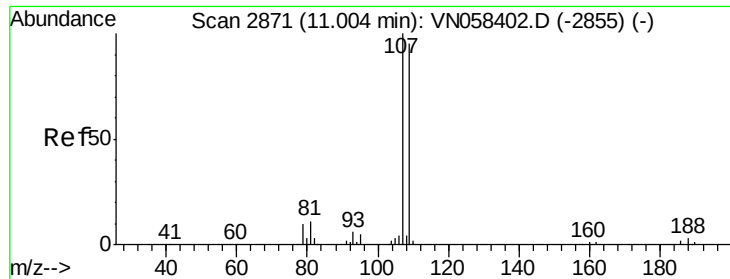
MMDadoda
10/3/2019 12:20:10 PM



#60
Dibromochloromethane
Concen: 54.465 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 129 Resp: 248929
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





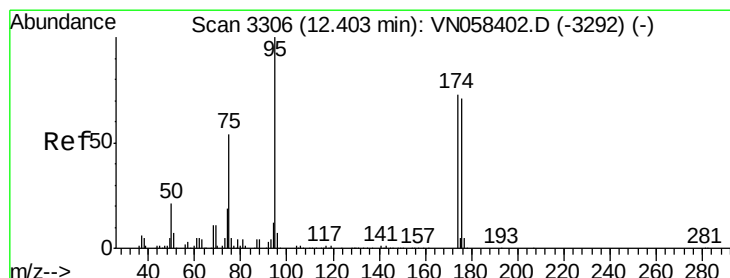
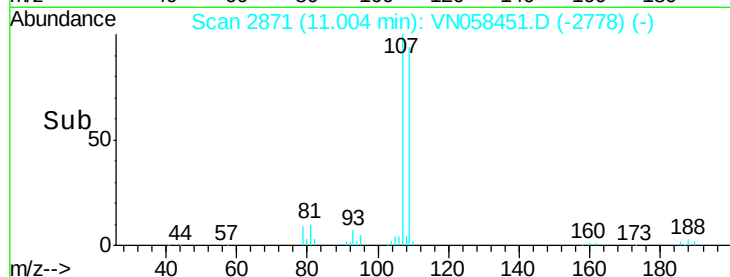
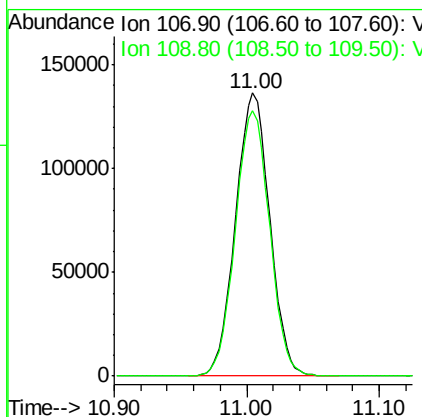
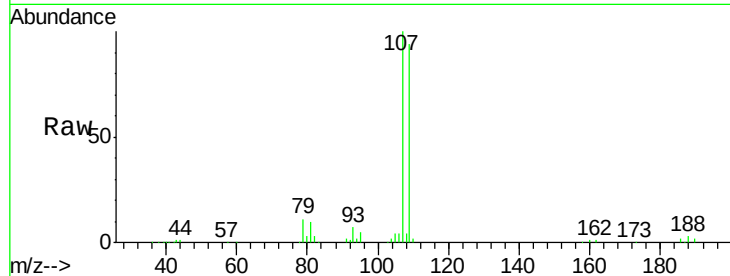
#61
 1,2-Dibromoethane
 Concen: 54.309 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

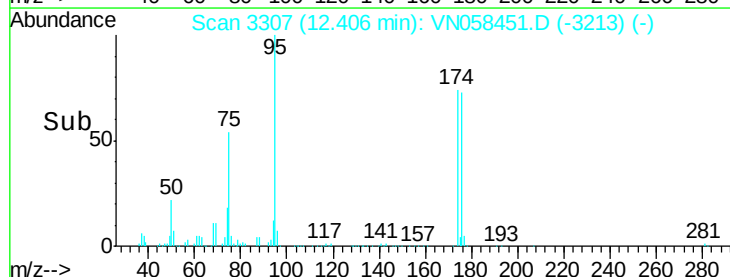
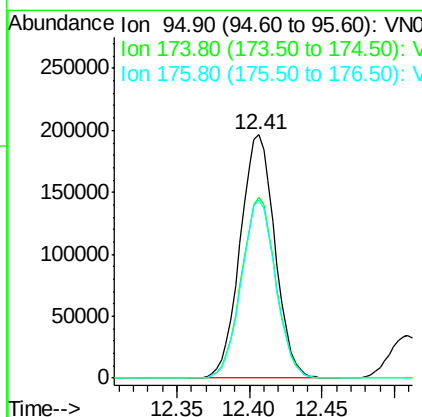
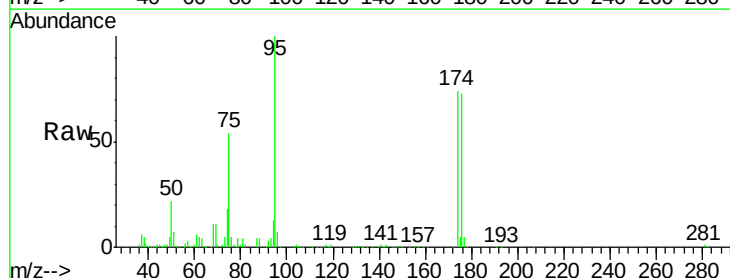
Manual Integrations
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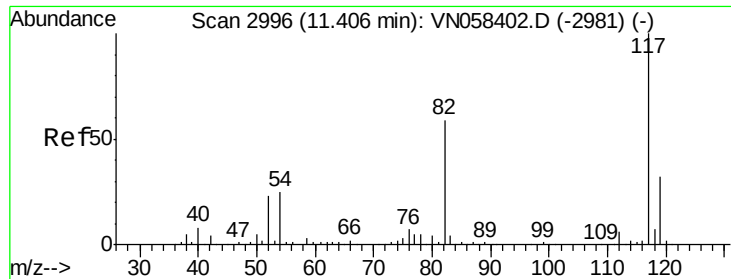
MMDadoda
 10/3/2019 12:20:10 PM



#62
 4-Bromofluorobenzene
 Concen: 53.784 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.6
176	72.0	0.0	146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

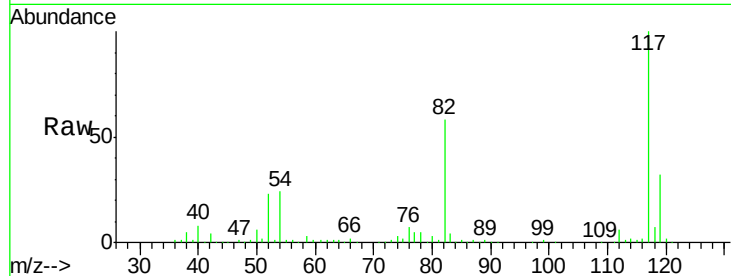
ClientSampleId :

VSTDCCC050

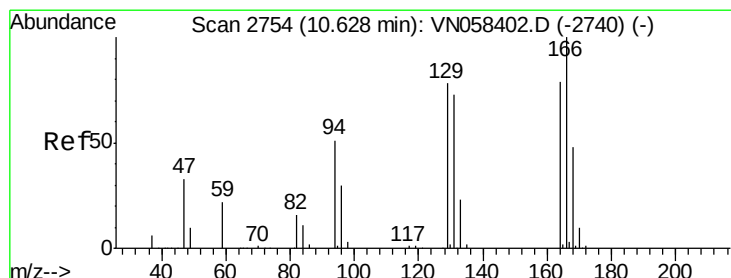
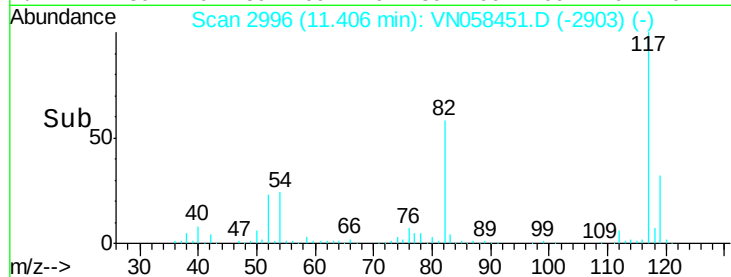
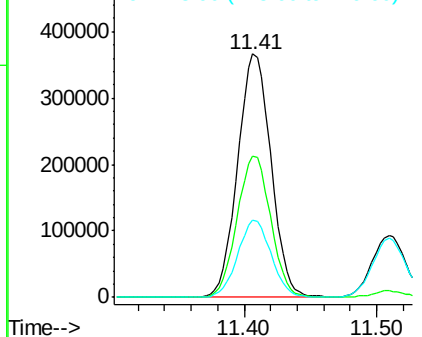
Tot Ion:	117	Resp:	642678
Ion Ratio	Lower	Upper	
117	100		
82	58.2	47.4	71.0
119	31.7	25.5	38.3

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.059 ug/l

RT: 10.63 min Scan# 2754

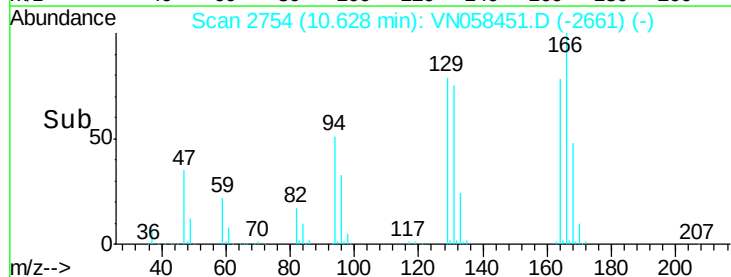
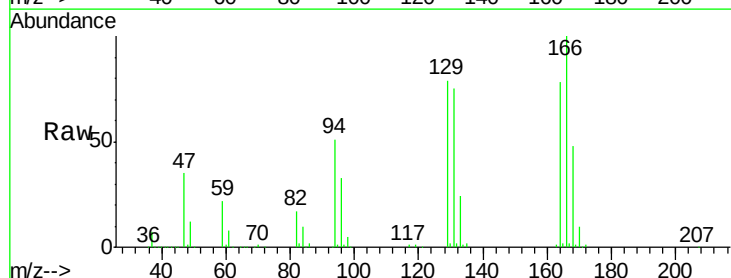
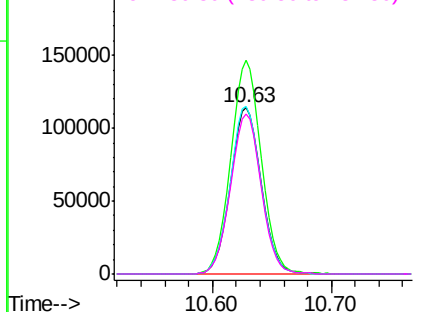
Delta R.T. 0.00 min

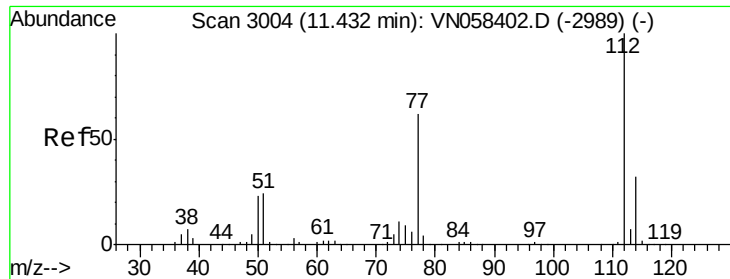
Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion:	164	Resp:	204398
Ion Ratio	Lower	Upper	
164	100		
166	128.7	101.1	151.7
129	101.1	79.2	118.8
131	96.6	74.1	111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





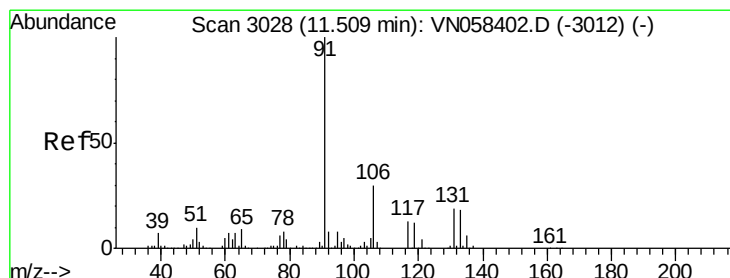
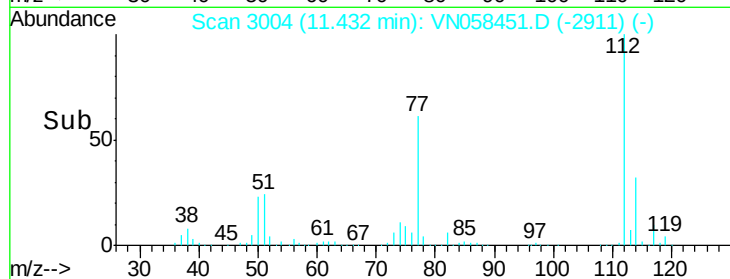
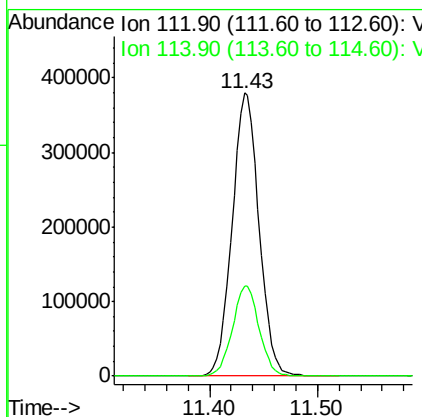
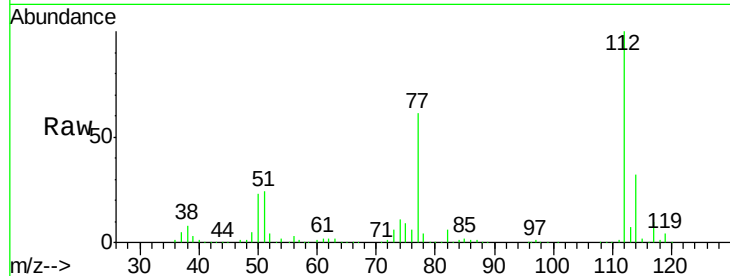
#65
Chlorobenzene
Concen: 51.658 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 659929
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

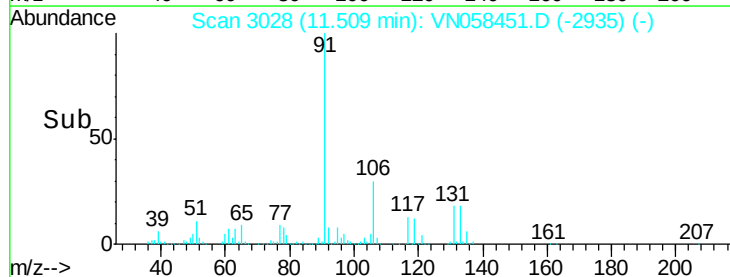
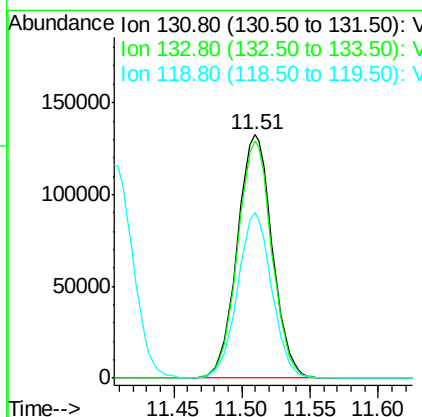
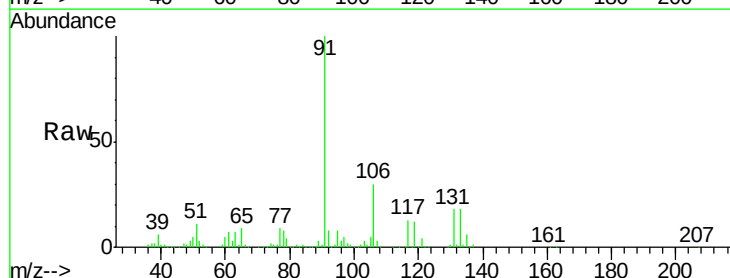
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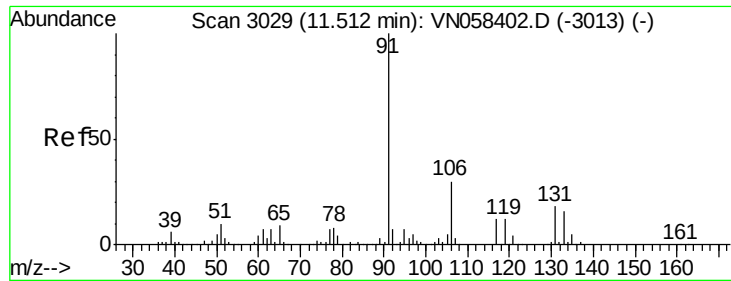
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.745 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion:131 Resp: 235633
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 66.1 33.0 99.0





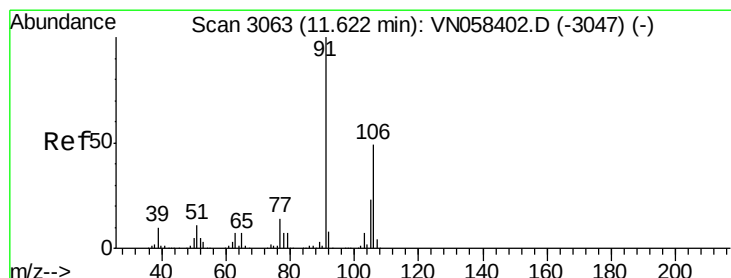
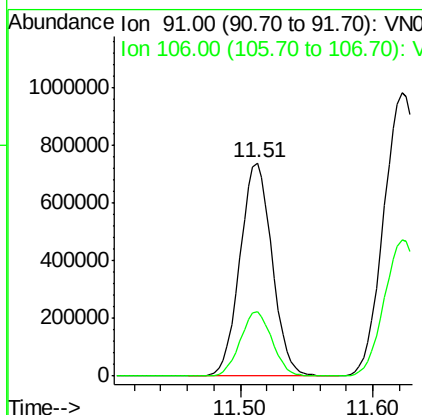
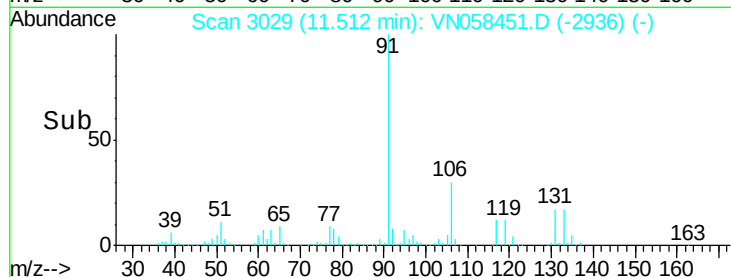
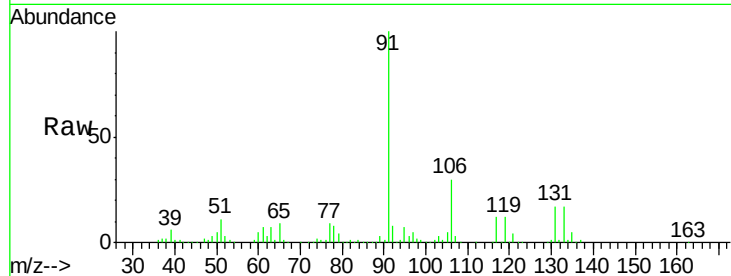
#67
Ethyl Benzene
Concen: 53.481 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1237508
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

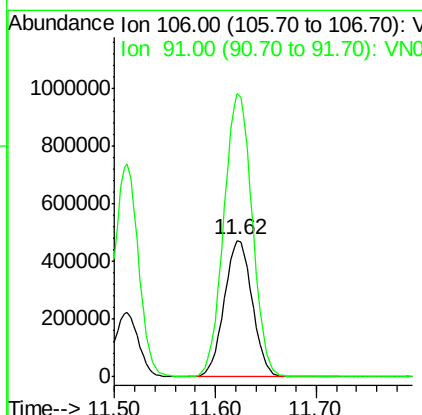
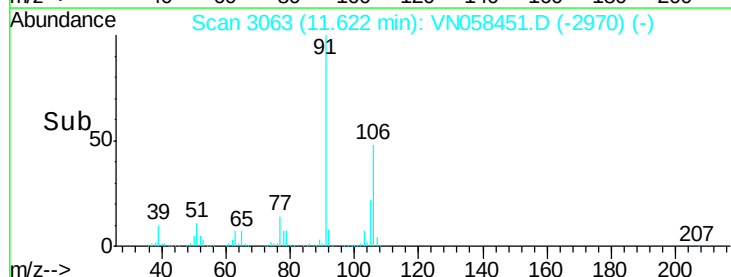
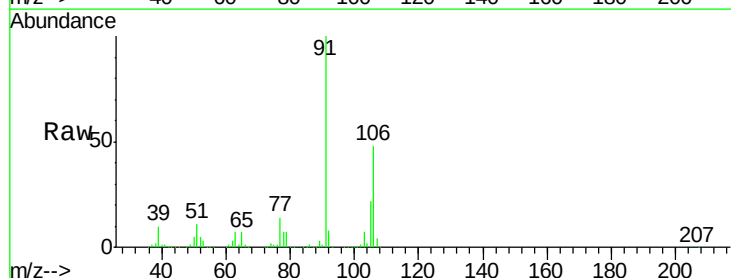
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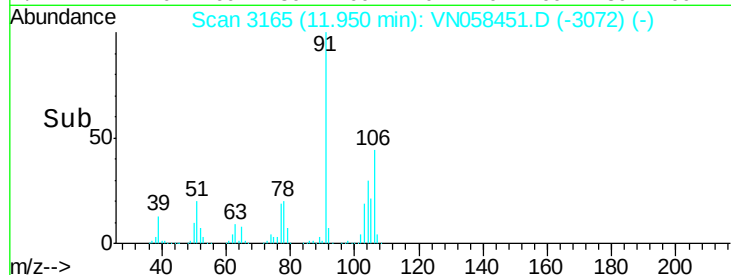
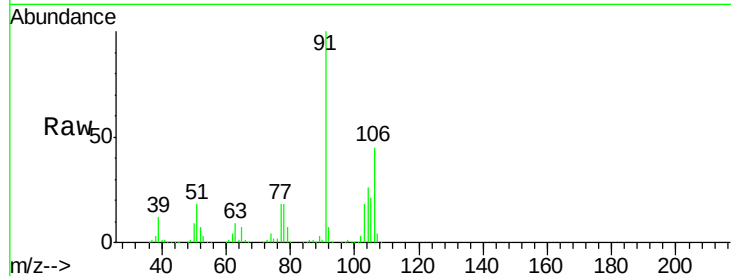
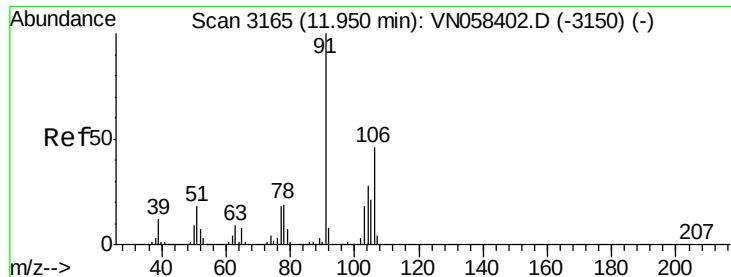
MMDadoda
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#68
m/p-Xylenes
Concen: 105.167 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 106 Resp: 915573
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4





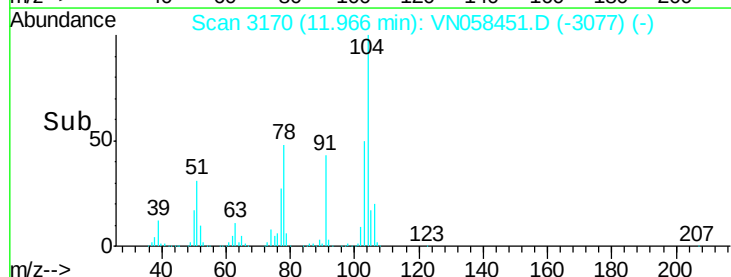
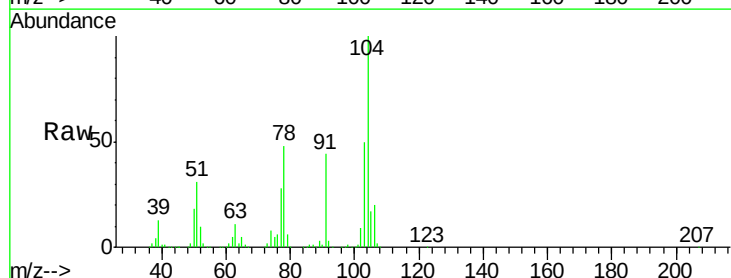
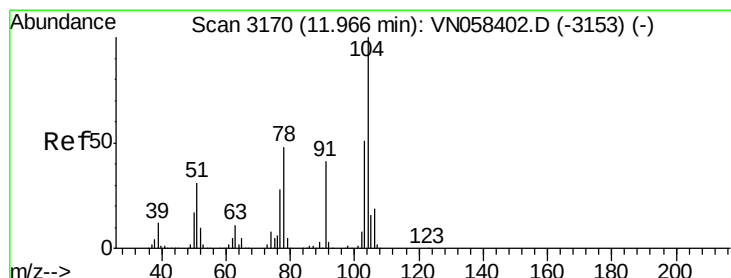
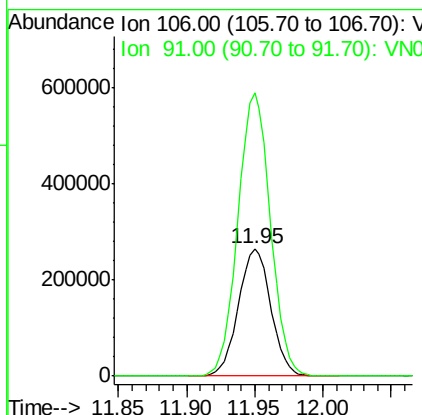
#69
o-Xylene
Concen: 52.176 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
437268	106	100			
	91	222.5	109.1	327.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

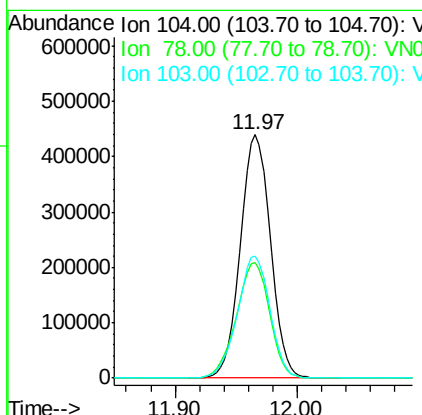
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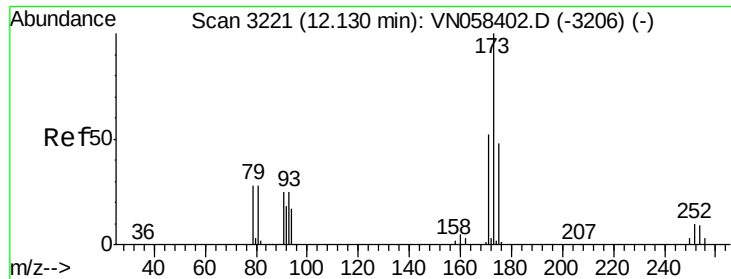
MMDadoda
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#70
Styrene
Concen: 54.925 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
747793	104	100			
	78	52.8	42.8	64.2	
	103	54.4	43.7	65.5	





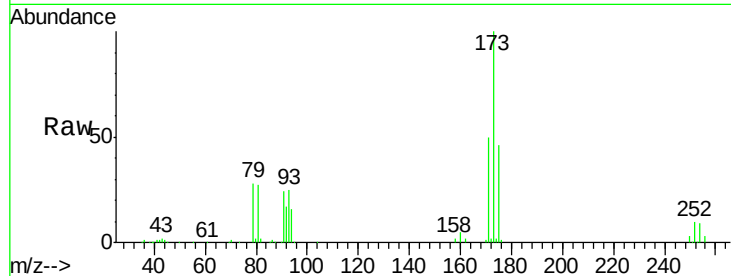
#71
Bromoform
Concen: 53.869 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	73.0
254	0.0	0.1	0.1#

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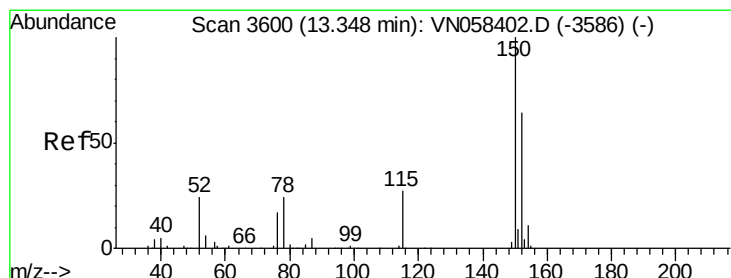
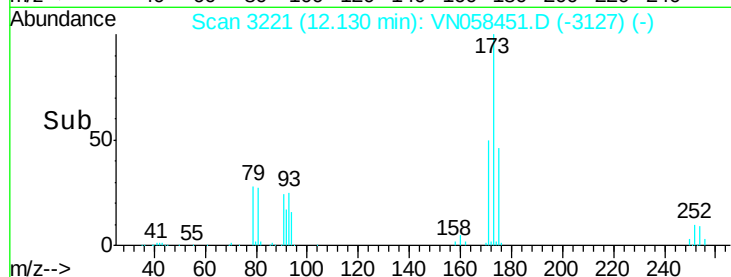
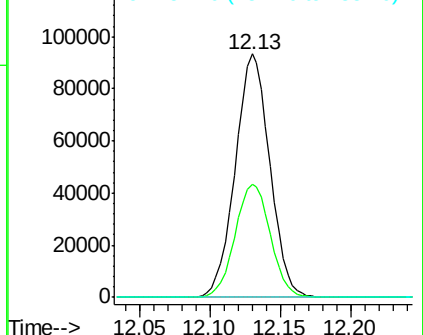


Abundance

Ion 172.70 (172.40 to 173.40): V

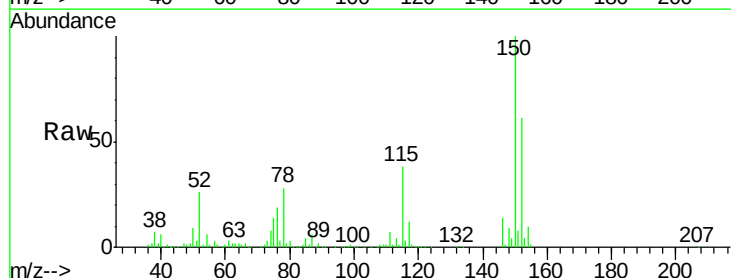
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.0	90.0
150	175.7	0.0	348.2

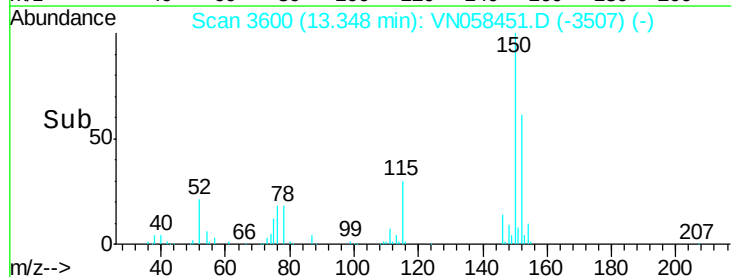
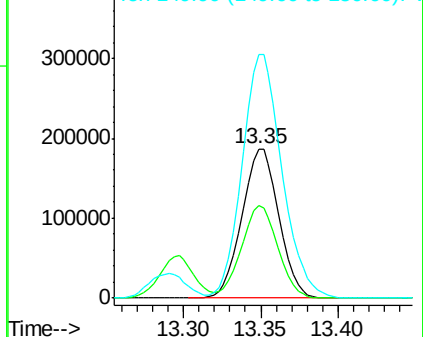


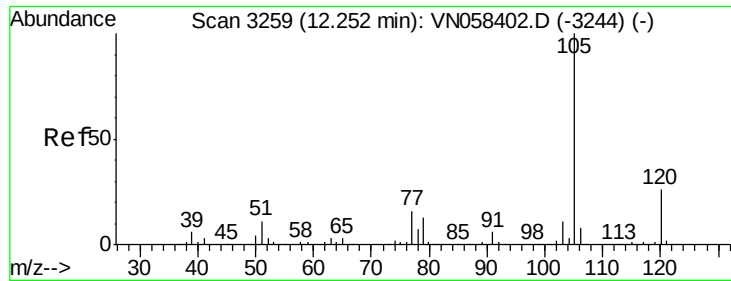
Abundance

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





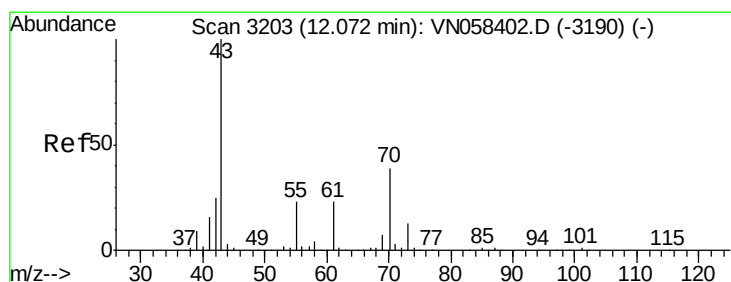
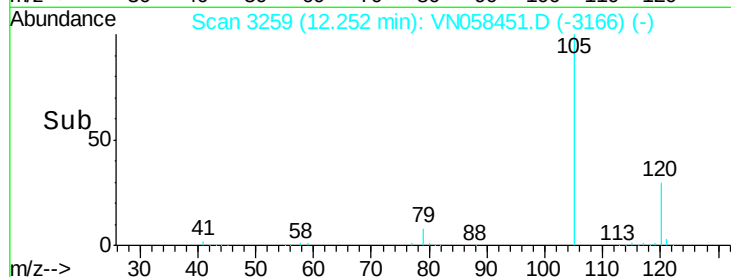
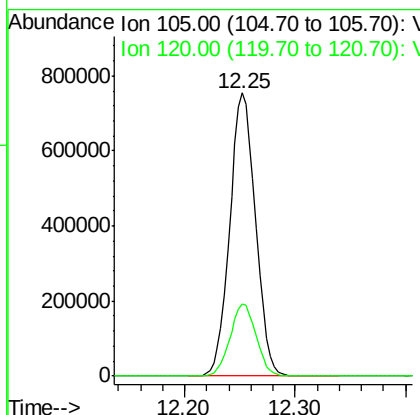
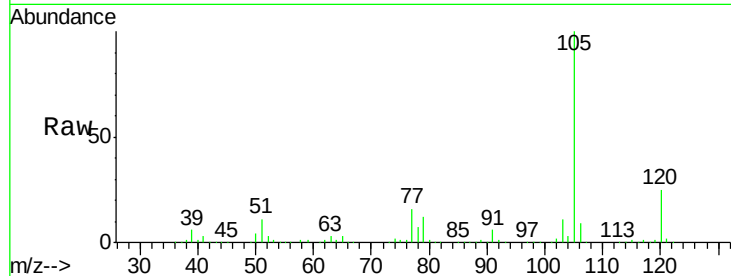
#73
Isopropylbenzene
Concen: 53.202 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1217991
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

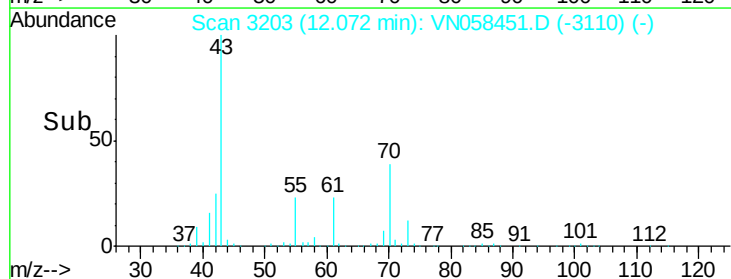
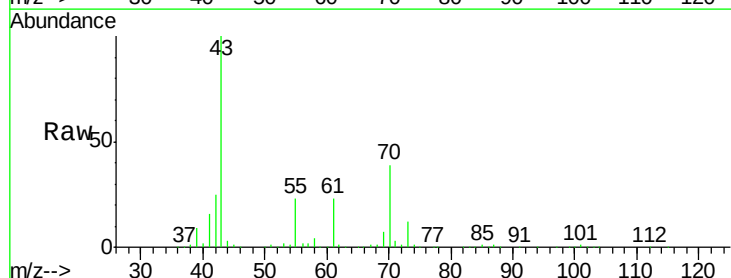
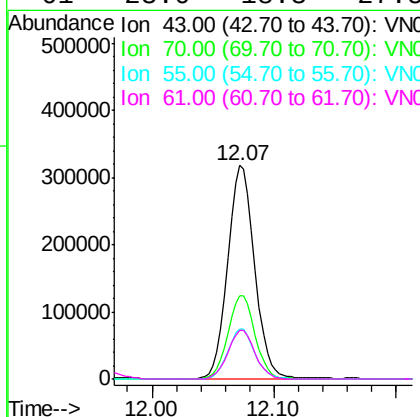
Manual Integrations
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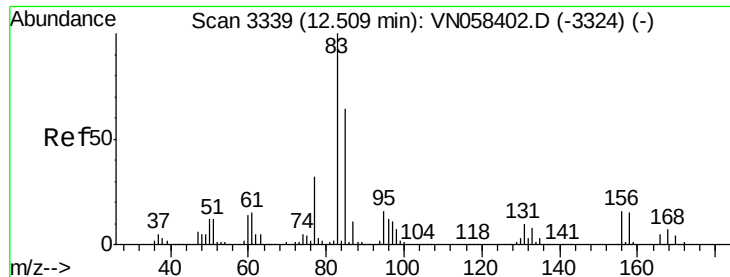
MMDadoda
10/3/2019 12:20:10 PM



#74
N-ethyl acetate
Concen: 53.946 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion: 43 Resp: 491332
Ion Ratio Lower Upper
43 100
70 39.6 31.4 47.2
55 23.5 18.2 27.4
61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.135 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

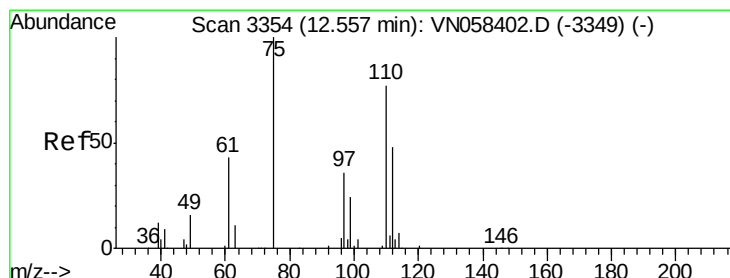
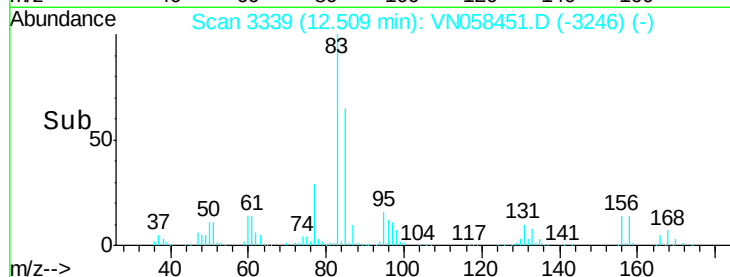
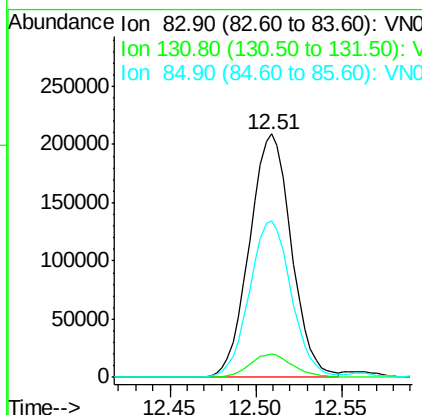
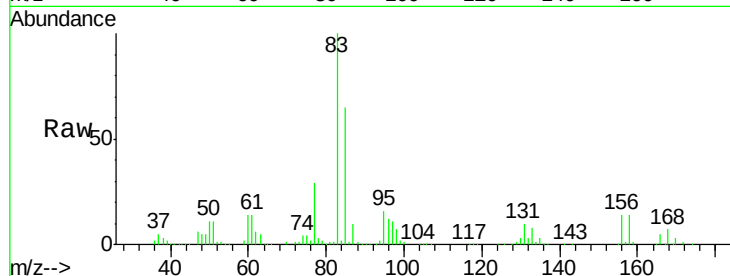
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	352945
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.2	32.0	96.0

Manual Integrations
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10/3/2019 12:20:10 PM



#76

1,2,3-Trichloropropane

Concen: 54.377 ug/l m

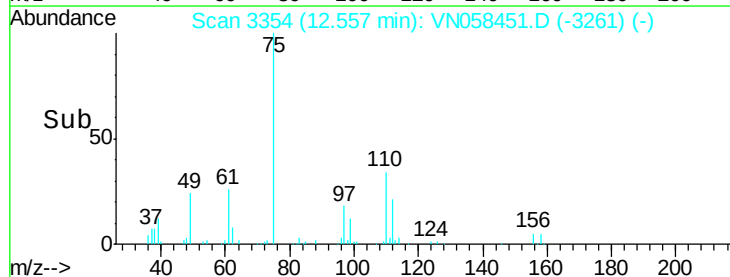
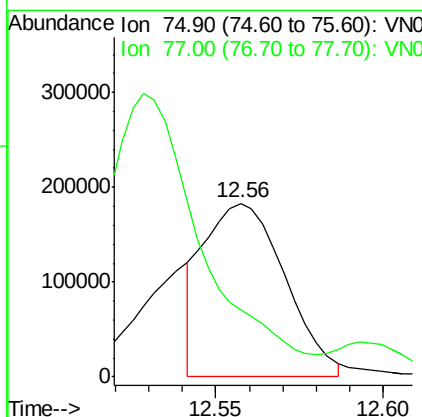
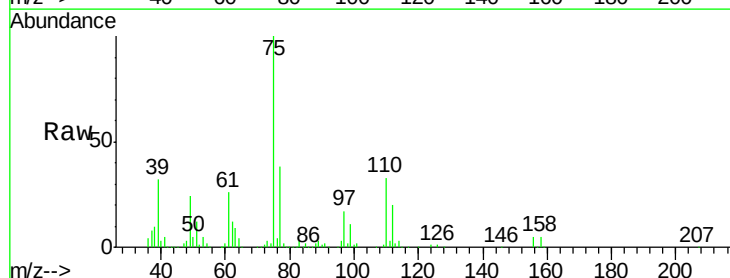
RT: 12.56 min Scan# 3354

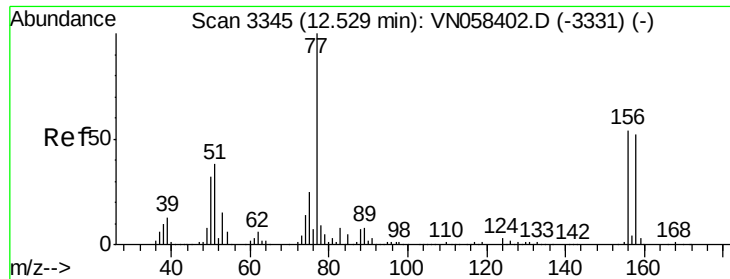
Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion:	75	Resp:	307678
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.633 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

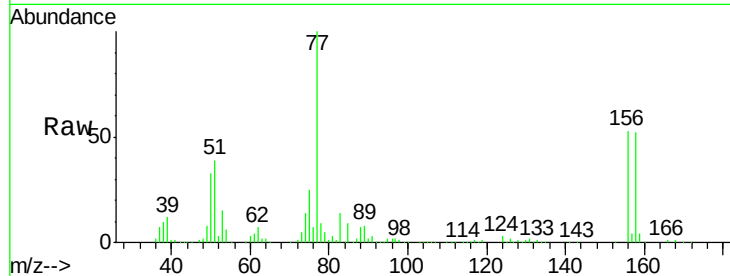
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
271803	156	100		
	77	224.2	110.0	330.0
	158	97.6	47.9	143.8

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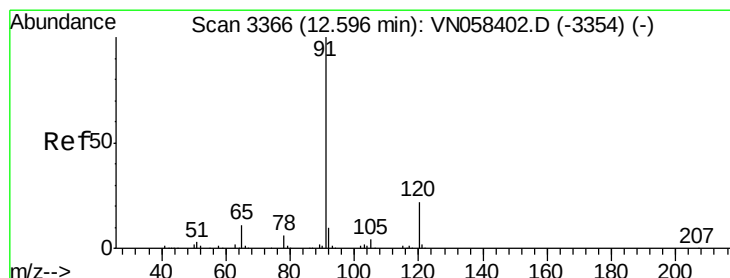
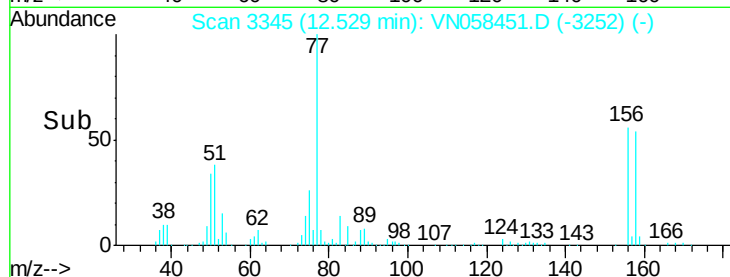
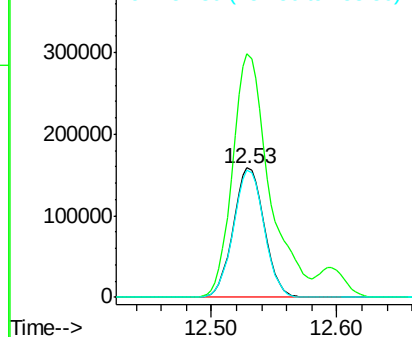


Abundance

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: 55.818 ug/l

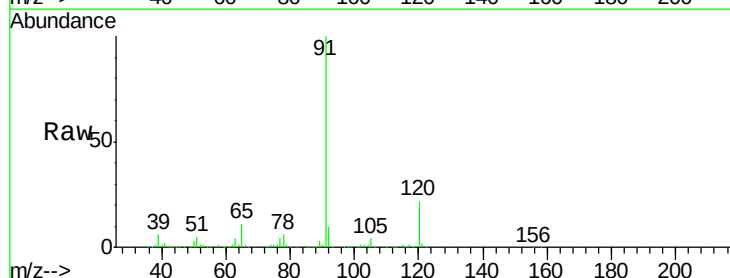
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

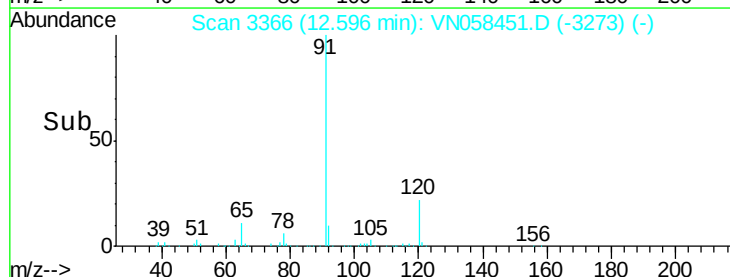
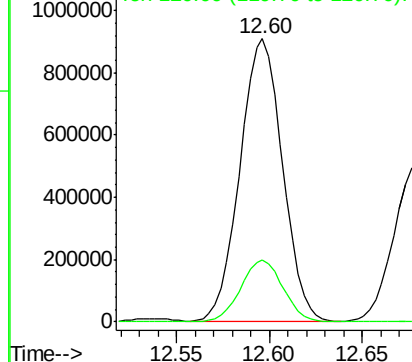
Tgt Ion	Ion	Ratio	Lower	Upper
1439667	91	100		
	120	21.8	10.9	32.9

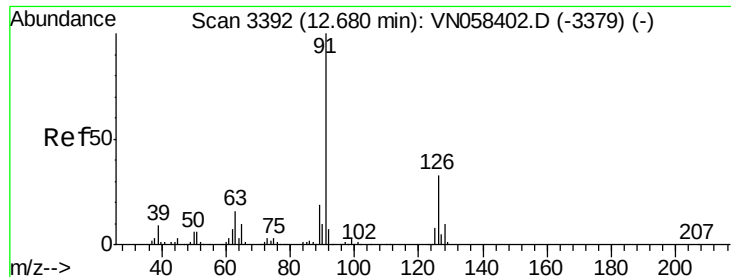


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.283 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 832342

Ion Ratio Lower Upper

91 100

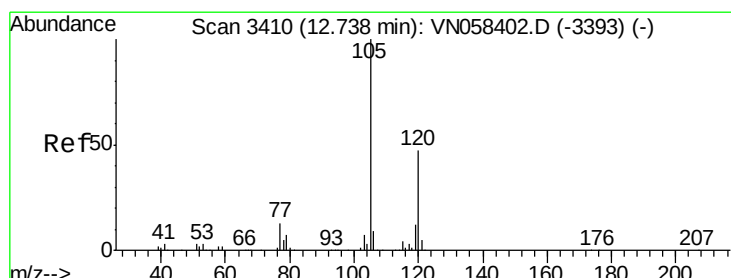
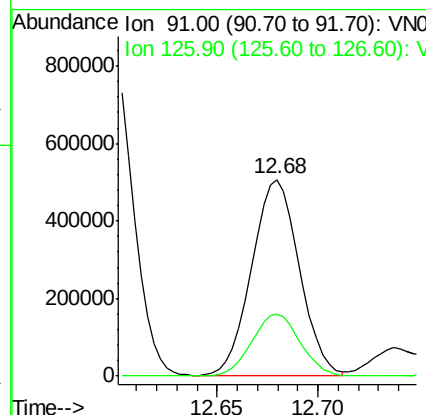
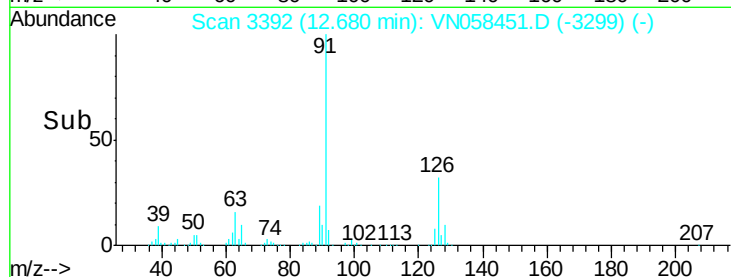
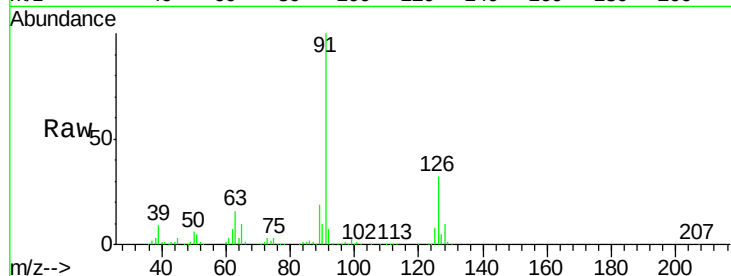
126 32.3 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.315 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058451.D

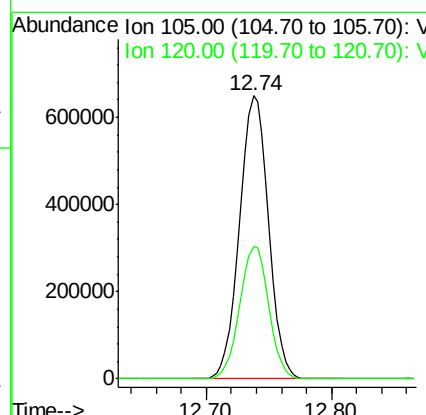
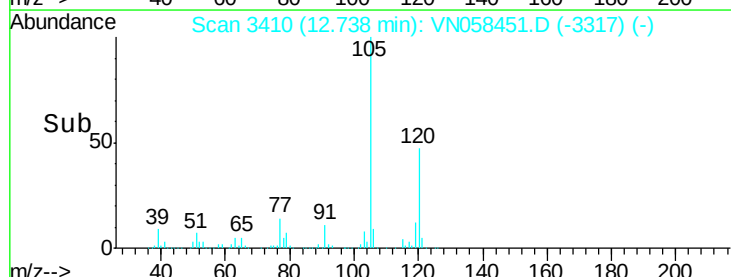
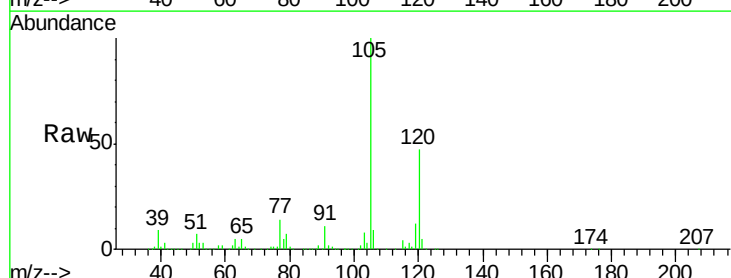
Acq: 1 Oct 2019 9:50

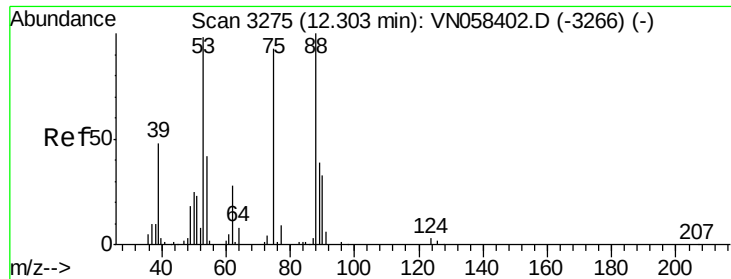
Tgt Ion: 105 Resp: 1040921

Ion Ratio Lower Upper

105 100

120 47.0 23.5 70.6





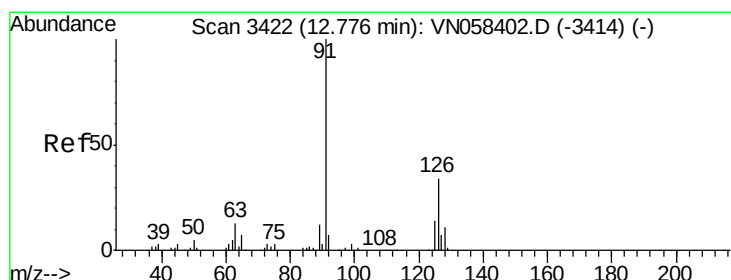
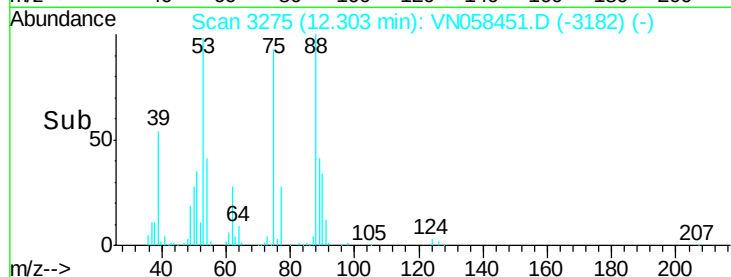
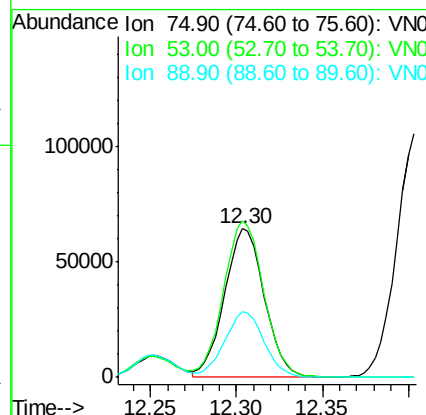
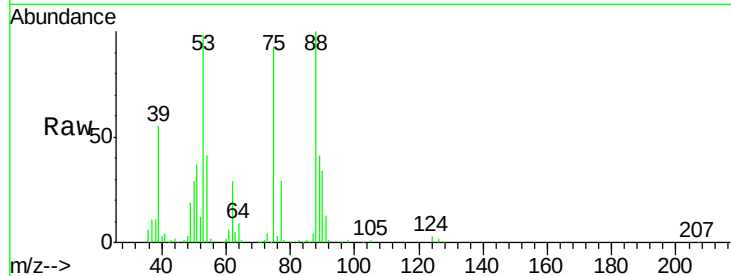
#81
trans-1,4-Dichloro-2-butene
Concen: 56.028 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	85.4	128.0
89	44.1	35.0	52.4

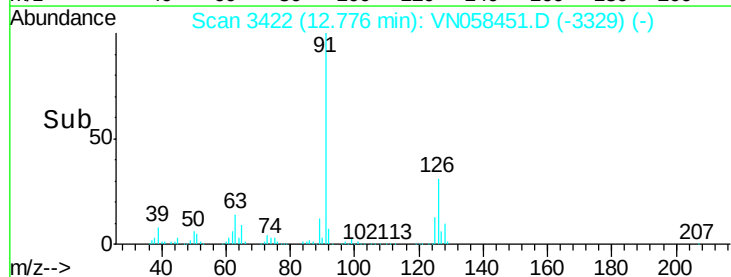
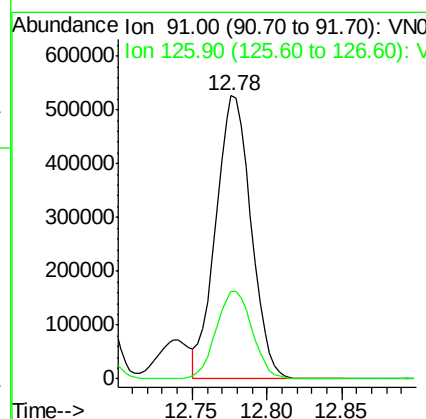
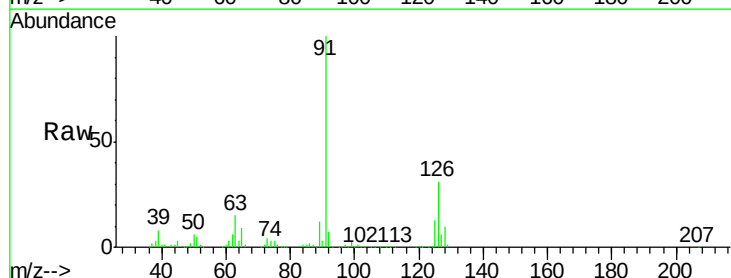
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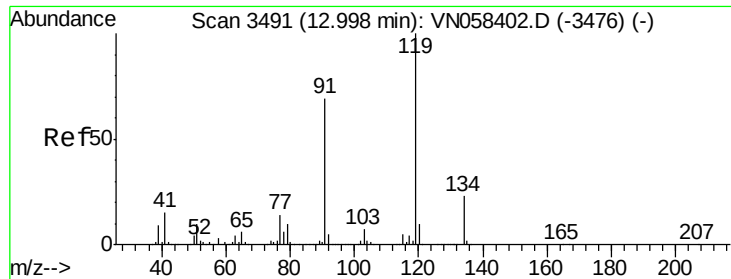
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#82
4-Chlorotoluene
Concen: 53.061 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





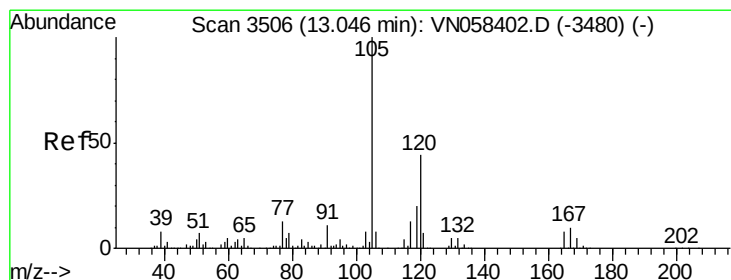
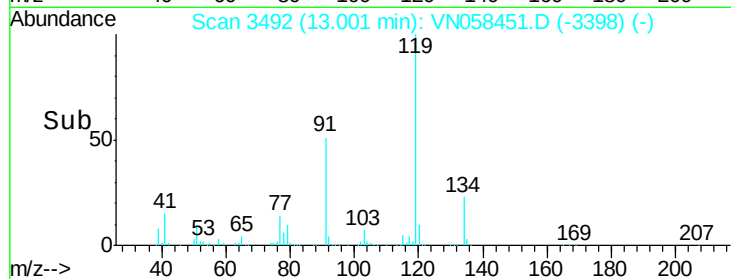
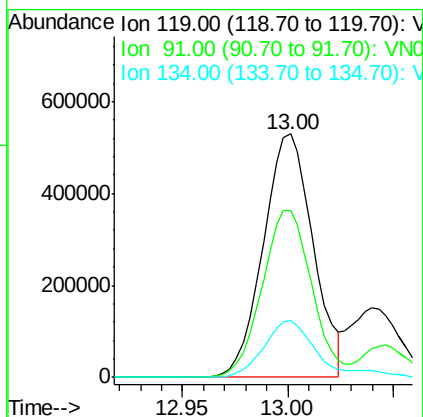
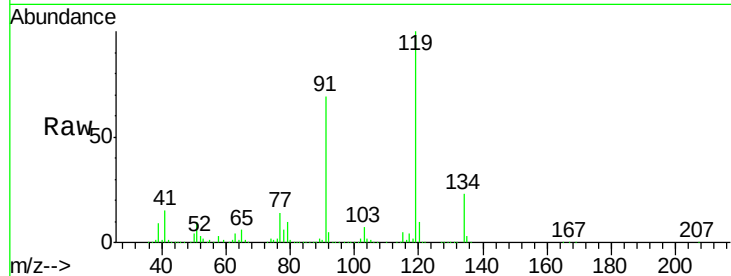
#83
 tert-Butylbenzene
 Concen: 53.719 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.2	102.6
134	25.3	11.6	34.8

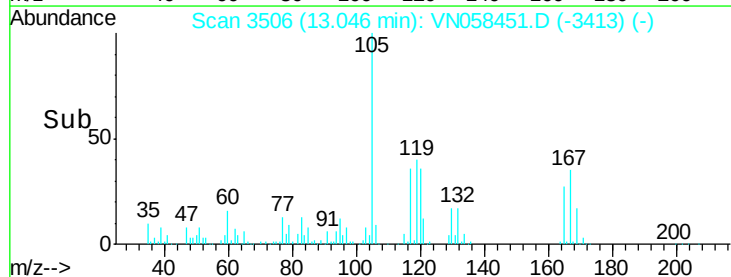
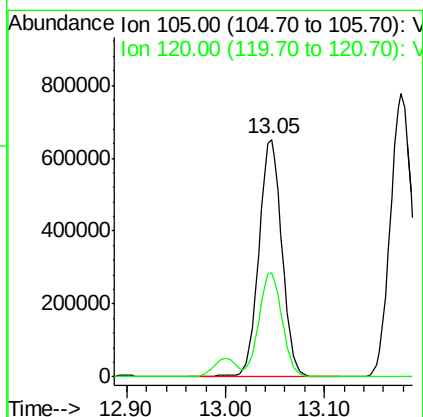
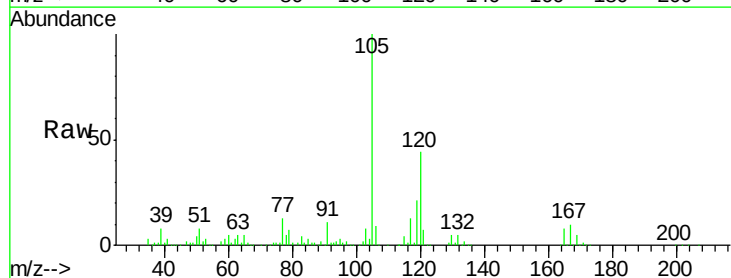
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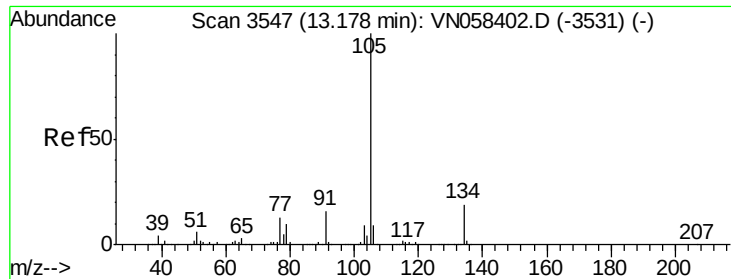
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.099 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.7	65.1





#85

sec-Butylbenzene

Concen: 56.710 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1207047

Ion Ratio Lower Upper

105 100

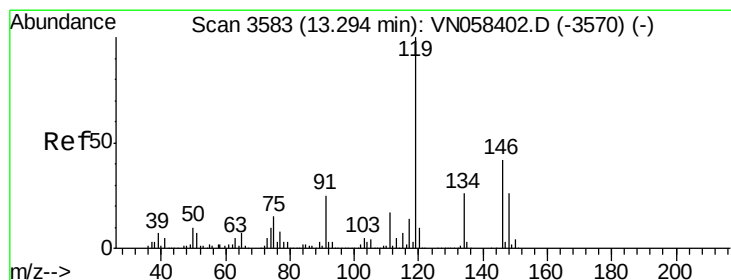
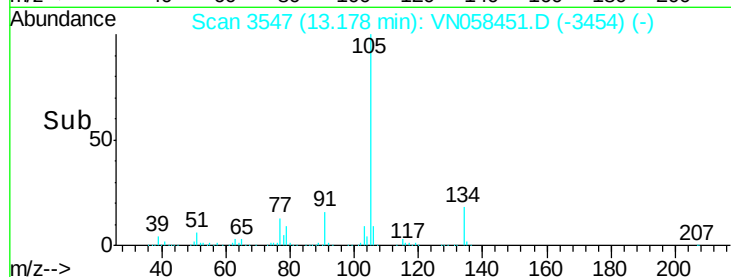
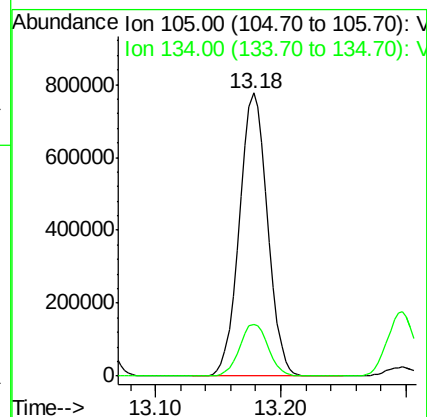
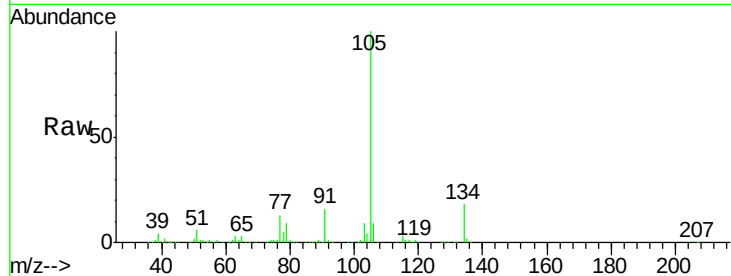
134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 57.224 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

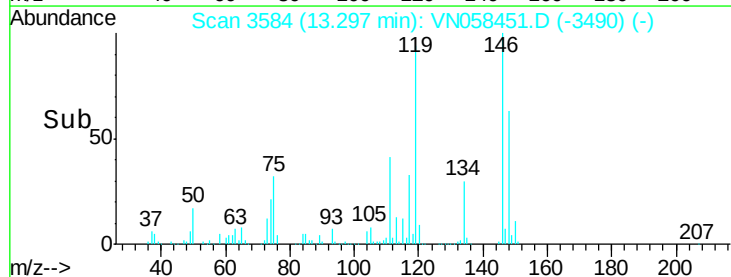
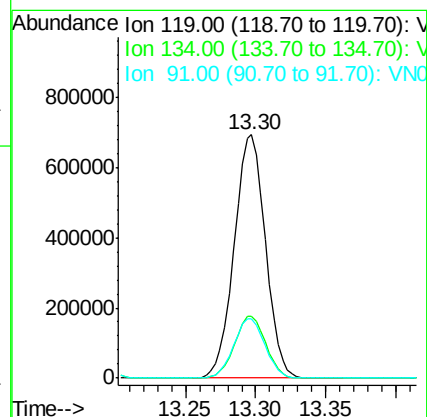
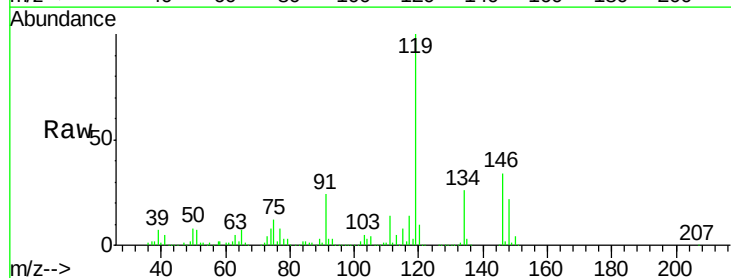
Tgt Ion:119 Resp: 1072138

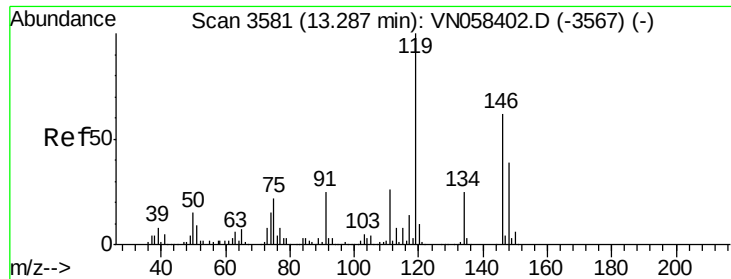
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.5 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 52.351 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058451.D

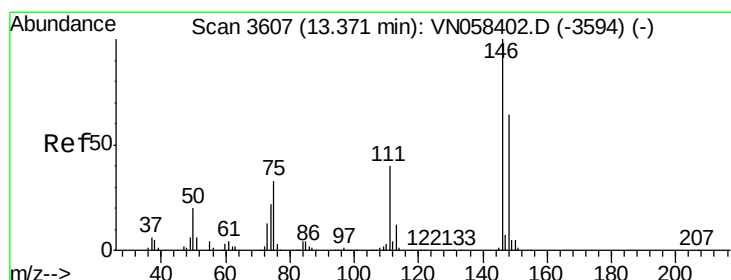
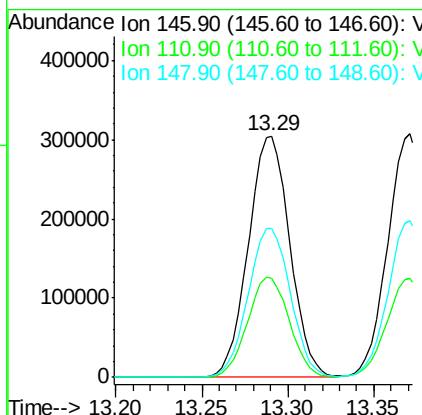
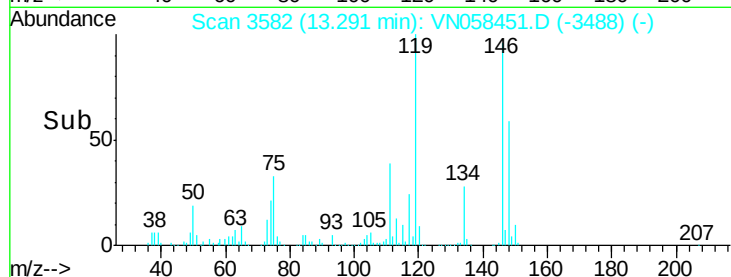
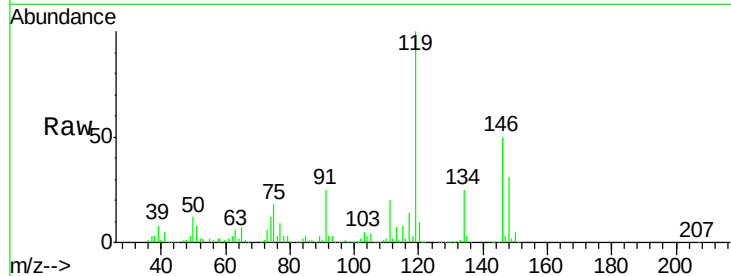
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	509571		
111	41.8	20.8	62.4	
148	62.9	31.4	94.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.296 ug/l

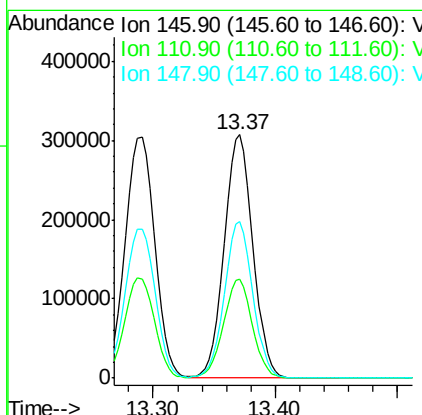
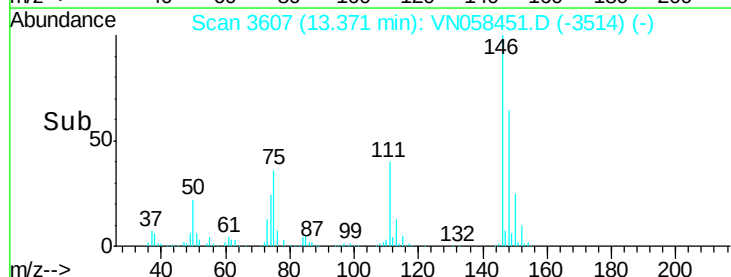
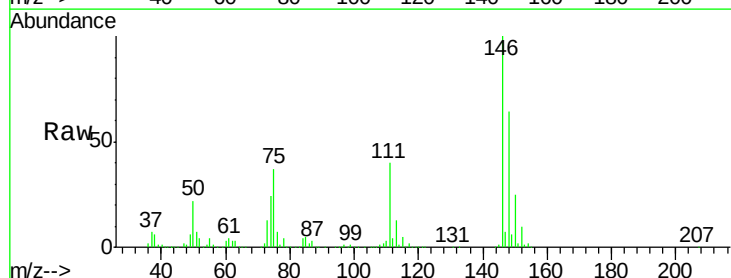
RT: 13.37 min Scan# 3607

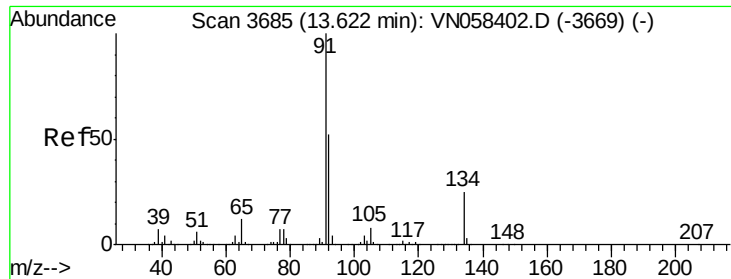
Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	506457		
111	41.0	20.5	61.6	
148	63.4	31.5	94.5	





#89

n-Butylbenzene

Concen: 57.559 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058451.D

Acq: 1 Oct 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 976872

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.1

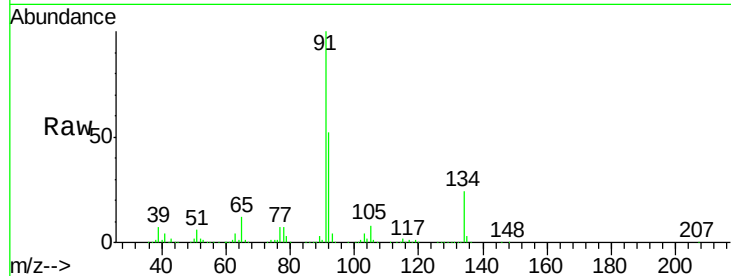
134 24.2 12.2 36.6

Manual Integrations

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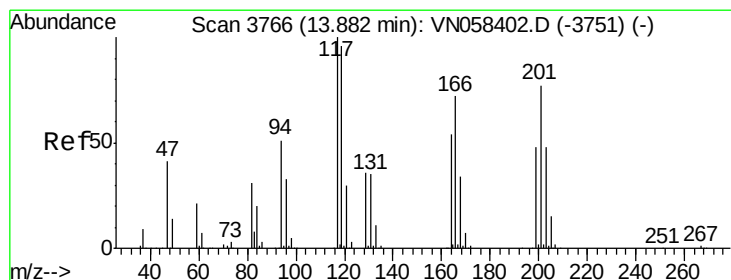
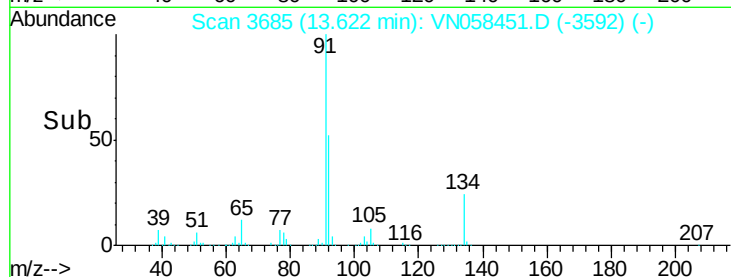
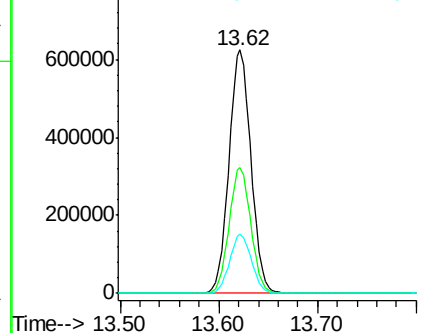
10/3/2019 12:20:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)



#90

Hexachloroethane

Concen: 61.044 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058451.D

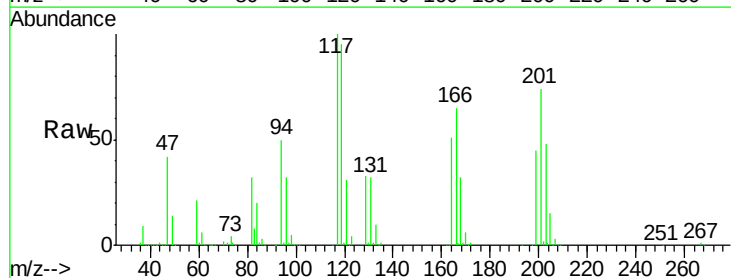
Acq: 1 Oct 2019 9:50

Tgt Ion: 117 Resp: 171839

Ion Ratio Lower Upper

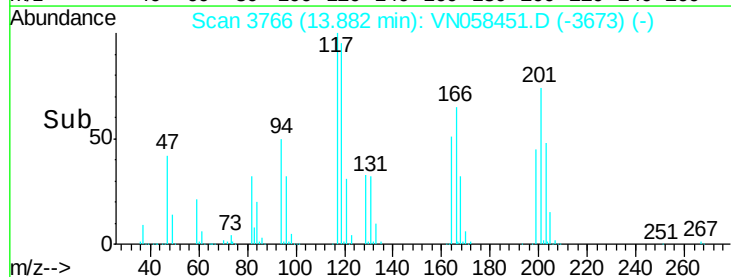
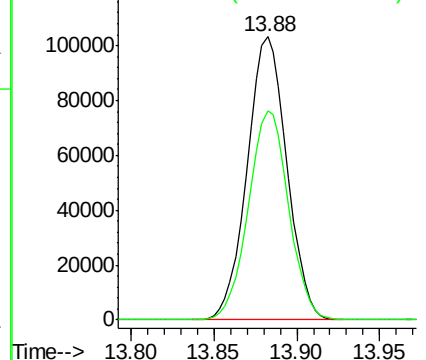
117 100

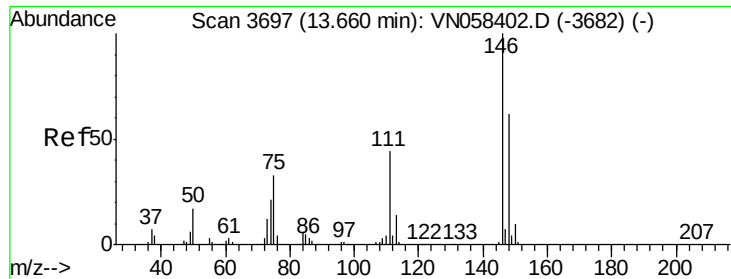
201 74.5 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058402.D (-3751) (-)





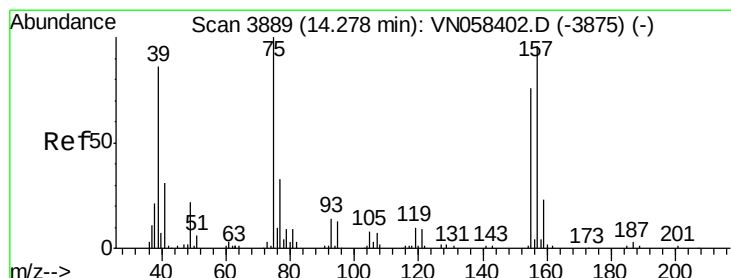
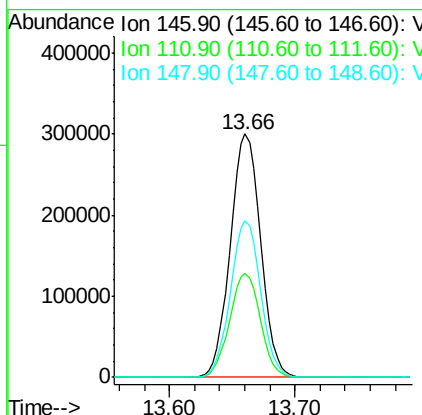
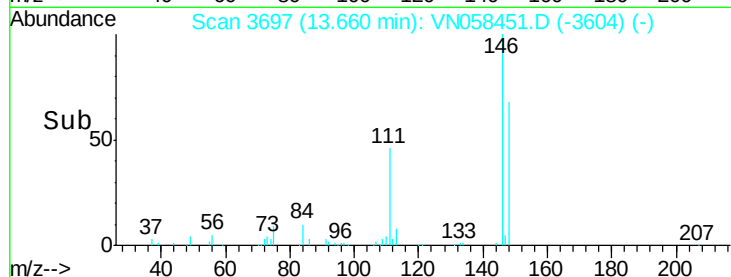
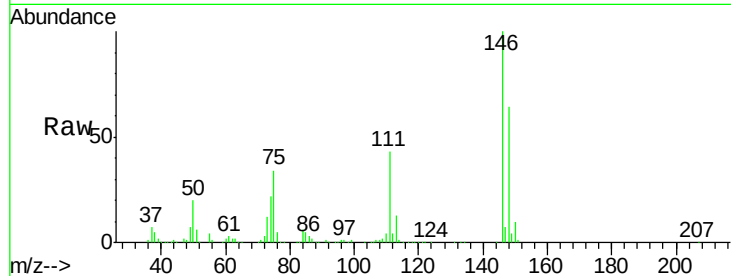
#91
 1,2-Dichlorobenzene
 Concen: 53.965 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	63.9	31.5	94.5

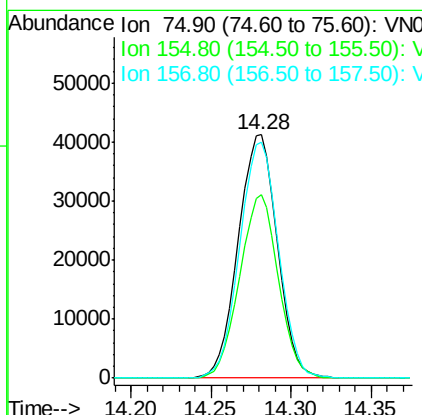
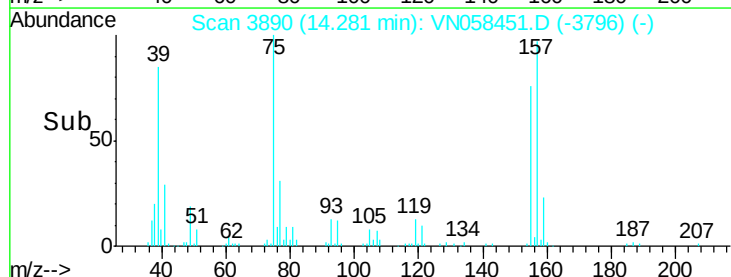
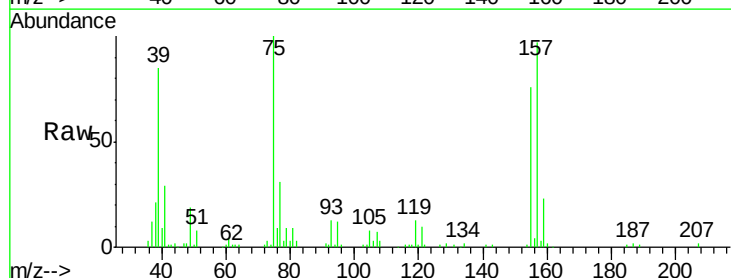
Manual Integrations
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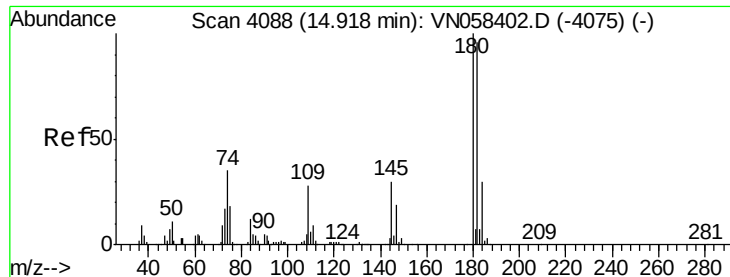
MMDadoda
 10/3/2019 12:20:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.534 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	39.2	117.6
157	96.6	48.7	146.1





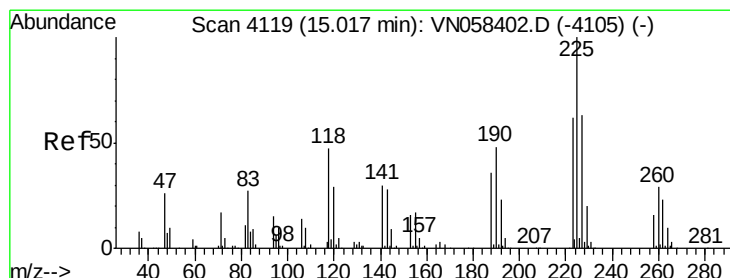
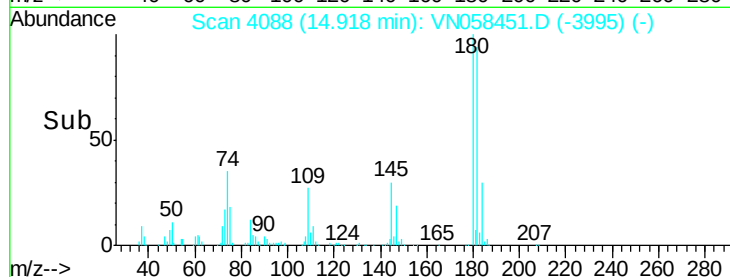
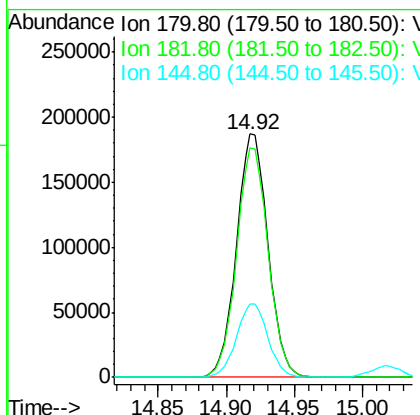
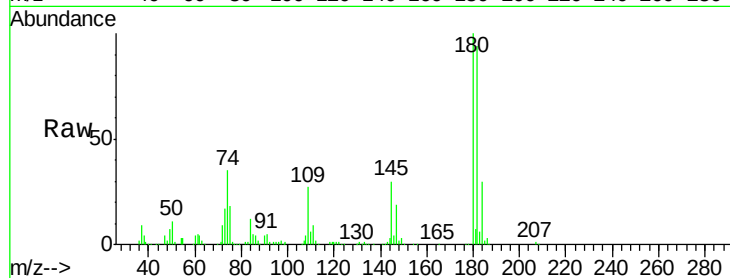
#93
 1,2,4-Trichlorobenzene
 Concen: 57.936 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299423		
182	94.7	47.4	142.3	
145	30.3	15.3	45.9	

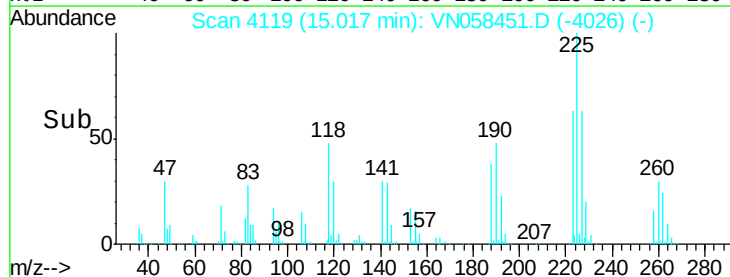
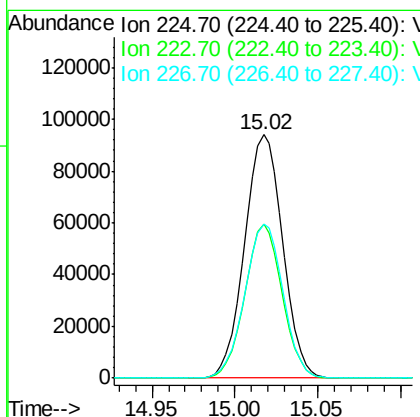
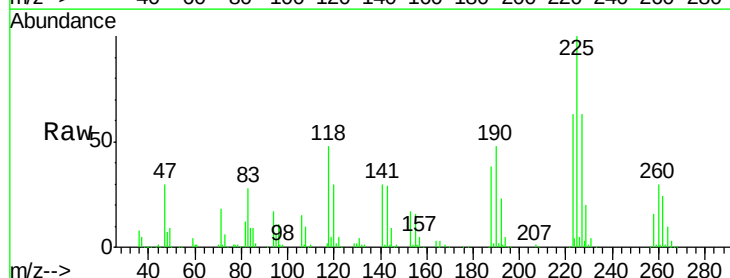
Manual Integrations
 APPROVED

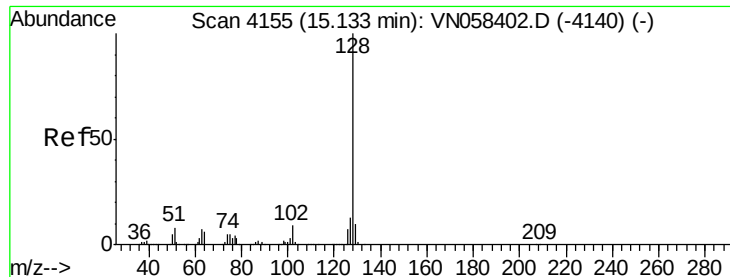
MMDadoda
 10/3/2019 12:20:10 PM



#94
 Hexachlorobutadiene
 Concen: 56.709 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058451.D
 Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150641		
223	61.8	31.1	93.5	
227	63.4	31.4	94.2	





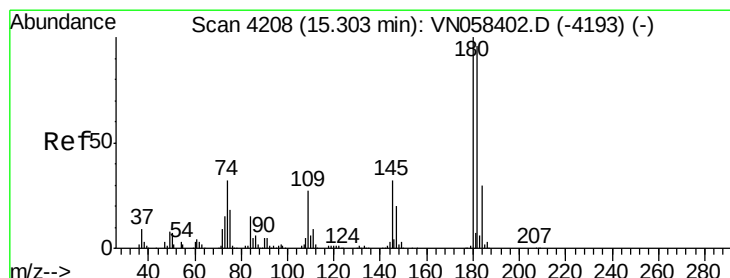
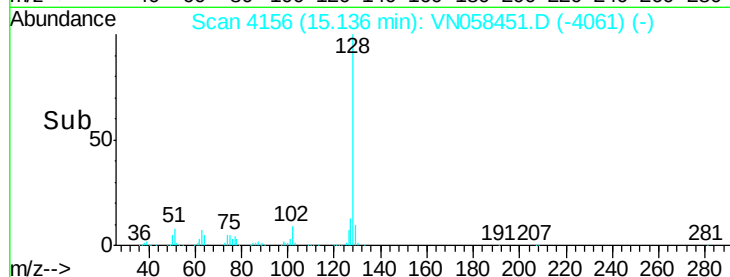
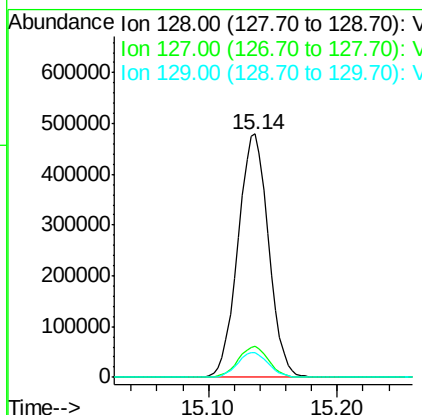
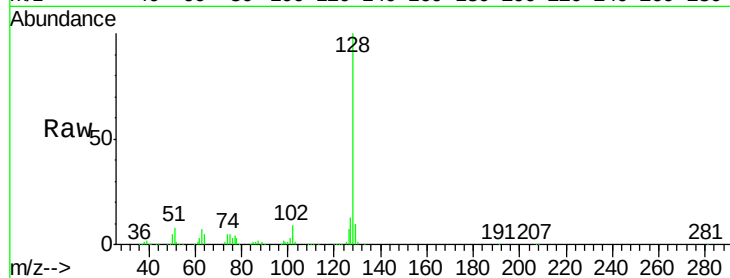
#95
Naphthalene
Concen: 52.187 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:20:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.702 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058451.D
Acq: 1 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.3	144.9
145	32.4	16.1	48.3

