

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110519\
 Data File : VN059083.D
 Acq On : 5 Nov 2019 10:17
 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
 11/6/2019 1:56:15 PM

Quant Time: Nov 06 00:45:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	466429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	724330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	662751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	288105	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
35) Dibromofluoromethane	7.56	113	225713	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.08	98	884275	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	321518	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	246154	48.811	ug/l	99
3) Chloromethane	2.04	50	322872	47.217	ug/l	99
4) Vinyl Chloride	2.17	62	326601	49.205	ug/l	97
5) Bromomethane	2.54	94	190248	48.481	ug/l	100
6) Chloroethane	2.68	64	195690	48.140	ug/l	99
7) Trichlorofluoromethane	3.00	101	400931	50.833	ug/l	99
8) Diethyl Ether	3.39	74	155880	50.608	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	230769	49.639	ug/l	99
10) Methyl Iodide	3.93	142	297017	52.565	ug/l	99
11) Tert butyl alcohol	4.75	59	258190	225.834	ug/l	99
12) 1,1-Dichloroethene	3.71	96	225294	48.729	ug/l	96
13) Acrolein	3.58	56	171414	237.612	ug/l	98
14) Allyl chloride	4.29	41	459909m	50.200	ug/l	
15) Acrylonitrile	4.95	53	739688	257.916	ug/l	100
16) Acetone	3.79	43	862484	275.790	ug/l	100
17) Carbon Disulfide	4.03	76	689198	46.888	ug/l	98
18) Methyl Acetate	4.29	43	373531	47.147	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	810817	51.490	ug/l	99
20) Methylene Chloride	4.52	84	266758	48.725	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	250679	50.505	ug/l	99
22) Diisopropyl ether	5.92	45	929621	53.272	ug/l	99
23) Vinyl Acetate	5.86	43	3848832	276.919	ug/l	99
24) 1,1-Dichloroethane	5.82	63	503138	50.431	ug/l	99
25) 2-Butanone	6.81	43	1100443	264.264	ug/l	100
26) 2,2-Dichloropropane	6.80	77	433334	50.041	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	286971	51.347	ug/l	99
28) Bromochloromethane	7.17	49	154983	50.334	ug/l	99
29) Tetrahydrofuran	7.18	42	675232	256.935	ug/l	100
30) Chloroform	7.35	83	484493	50.784	ug/l	98
31) Cyclohexane	7.63	56	460994	48.444	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	411774	51.015	ug/l	99
36) 1,1-Dichloropropene	7.77	75	372644	51.763	ug/l	100
37) Ethyl Acetate	6.90	43	413374	51.680	ug/l	99
38) Carbon Tetrachloride	7.75	117	362837	51.716	ug/l	99

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 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	439856	52.861	ug/l	98
40) Benzene	8.02	78	1114405	52.162	ug/l	100
41) Methacrylonitrile	7.15	41	173736m	50.231	ug/l	
42) 1,2-Dichloroethane	8.10	62	388544	52.366	ug/l	99
43) Isopropyl Acetate	8.14	43	653776	52.266	ug/l	99
44) Trichloroethene	8.82	130	270856	51.527	ug/l	97
45) 1,2-Dichloropropane	9.10	63	307891	53.288	ug/l	99
46) Dibromomethane	9.19	93	186897	52.337	ug/l	98
47) Bromodichloromethane	9.39	83	384841	53.213	ug/l	99
48) Methyl methacrylate	9.18	41	297637	52.185	ug/l	99
49) 1,4-Dioxane	9.18	88	94773	1018.668	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2048770	281.948	ug/l	99
52) Toluene	10.15	92	679688	54.296	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	441173	52.755	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	478491	54.246	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	268405	52.635	ug/l	98
56) Ethyl methacrylate	10.42	69	423360	48.978	ug/l	99
57) 1,3-Dichloropropane	10.70	76	470713	53.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	841442	250.694	ug/l	99
59) 2-Hexanone	10.74	43	1570143	284.429	ug/l	100
60) Dibromochloromethane	10.90	129	289856	52.743	ug/l	99
61) 1,2-Dibromoethane	11.00	107	274760	53.186	ug/l	98
64) Tetrachloroethene	10.63	164	244473	52.806	ug/l	100
65) Chlorobenzene	11.43	112	708100	52.057	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	265176	52.988	ug/l	100
67) Ethyl Benzene	11.51	91	1303536	55.359	ug/l	99
68) m/p-Xylenes	11.62	106	971714	110.513	ug/l	99
69) o-Xylene	11.95	106	462414	55.074	ug/l	98
70) Styrene	11.96	104	770337	56.617	ug/l	100
71) Bromoform	12.13	173	211333	54.557	ug/l #	97
73) Isopropylbenzene	12.25	105	1250599	53.877	ug/l	100
74) N-amyl acetate	12.07	43	543164	52.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	409325	49.503	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	374069m	50.099	ug/l	
77) Bromobenzene	12.53	156	296120	51.020	ug/l	99
78) n-propylbenzene	12.59	91	1468259	54.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	876278	52.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1066371	54.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147118	50.510	ug/l	96
82) 4-Chlorotoluene	12.78	91	893307	52.434	ug/l	99
83) tert-Butylbenzene	12.99	119	891018	53.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1060829	55.340	ug/l	99
85) sec-Butylbenzene	13.17	105	1207067	54.956	ug/l	100
86) p-Isopropyltoluene	13.29	119	1103081	55.706	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	532788	51.665	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	524367	51.405	ug/l	99
89) n-Butylbenzene	13.62	91	959973	55.636	ug/l	99
90) Hexachloroethane	13.88	117	200462	50.927	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	523119	50.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82292	46.075	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293652	53.060	ug/l	99
94) Hexachlorobutadiene	15.01	225	168430	50.708	ug/l	99
95) Naphthalene	15.13	128	786917	45.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	287817	51.099	ug/l	100

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

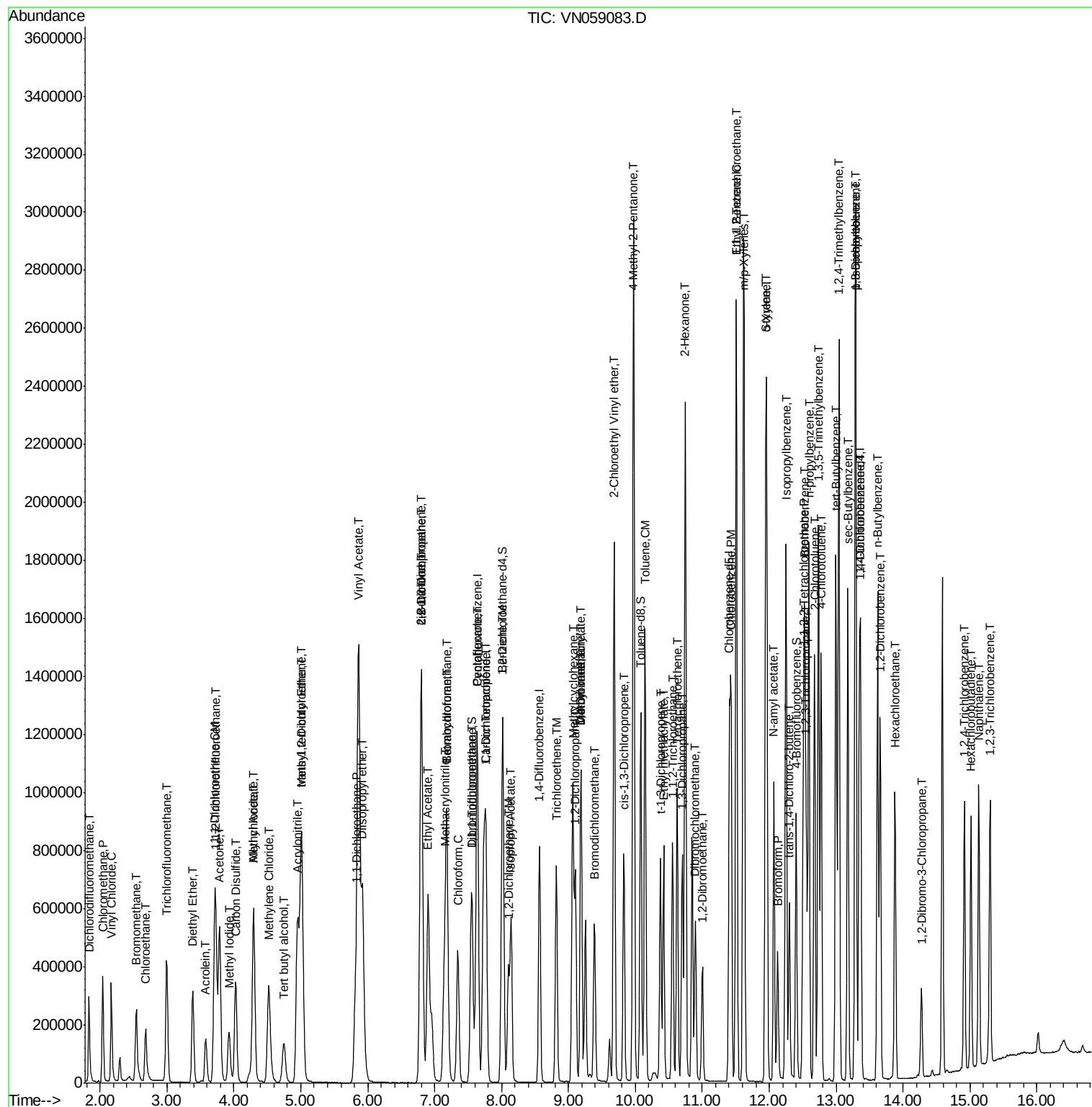
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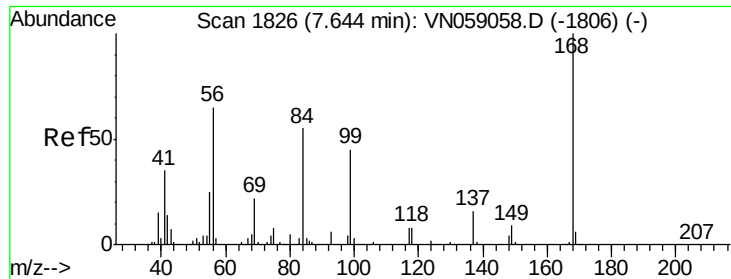
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 466429

Ion Ratio Lower Upper

168 100

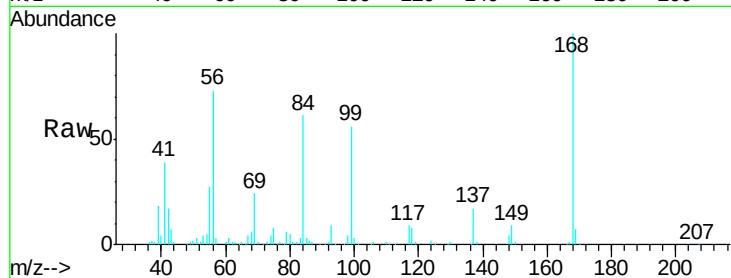
99 56.3 44.1 66.1

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

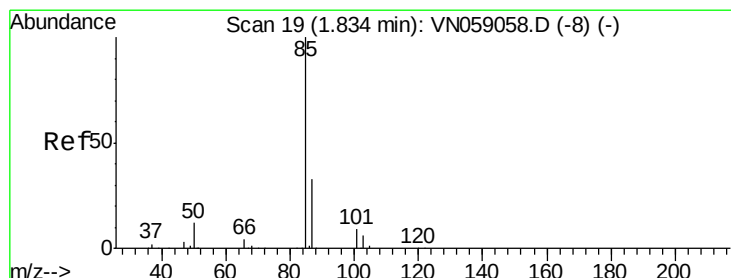
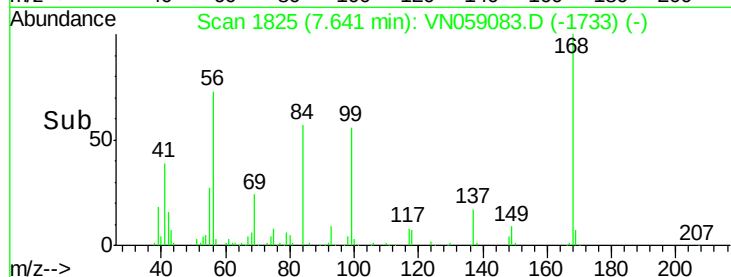
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.811 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059083.D

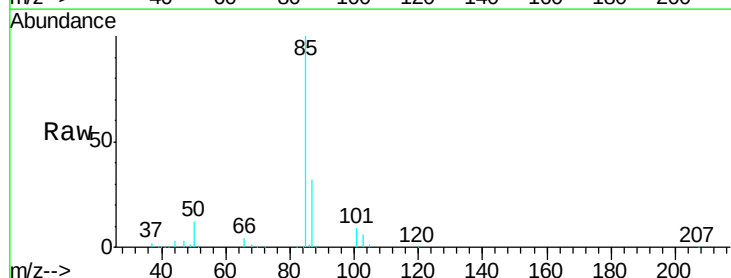
Acq: 5 Nov 2019 10:17

Tgt Ion: 85 Resp: 246154

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

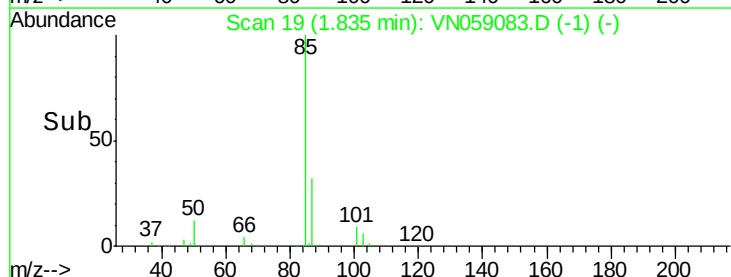
50000

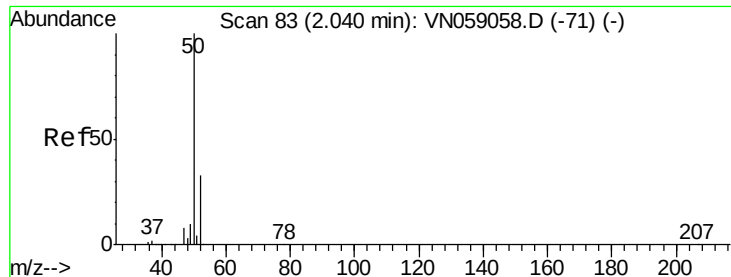
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 47.217 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 322872

Ion Ratio Lower Upper

50 100

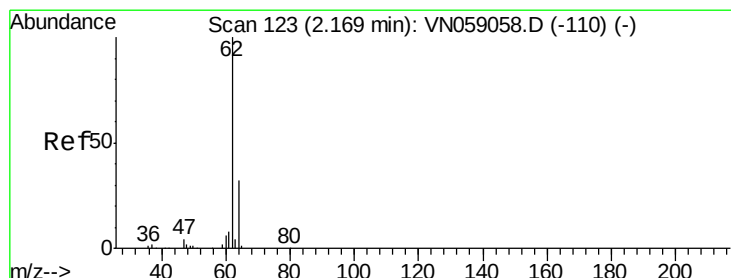
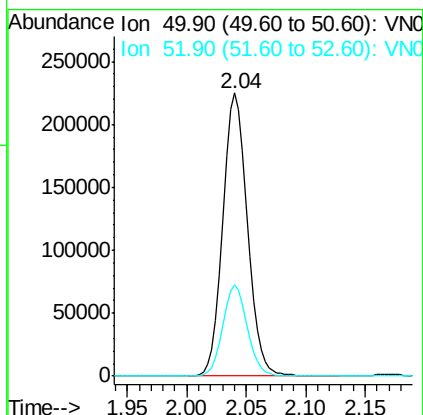
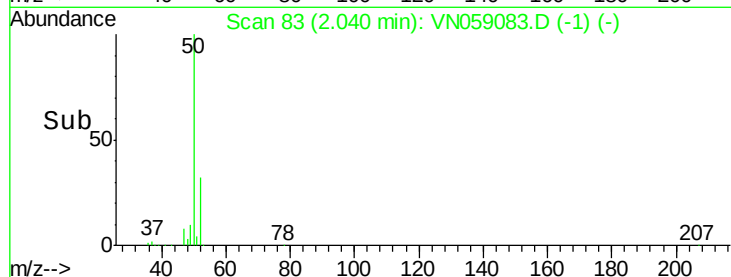
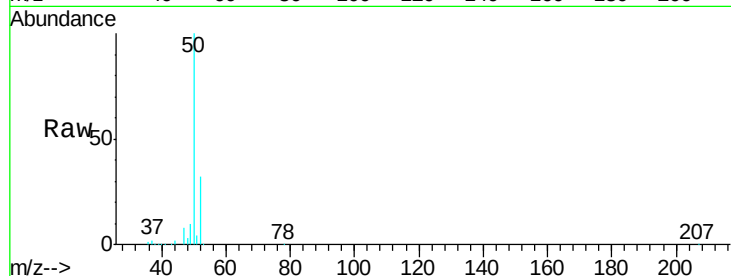
52 32.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.205 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059083.D

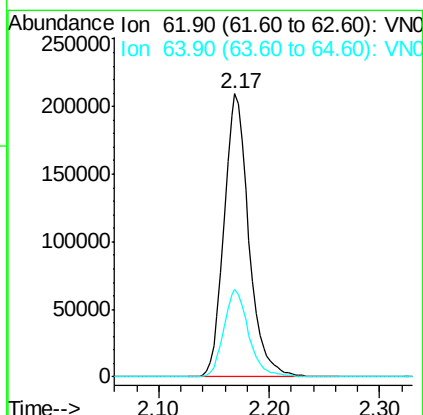
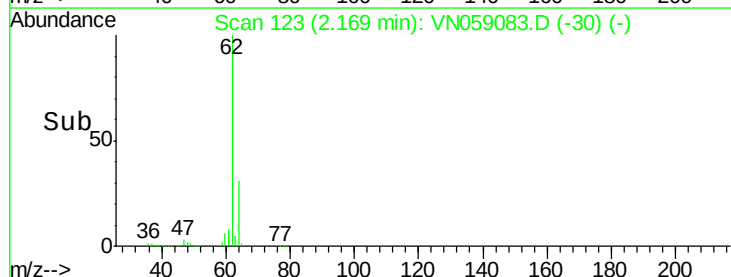
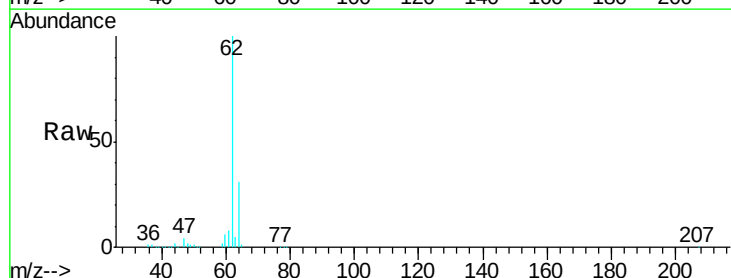
Acq: 5 Nov 2019 10:17

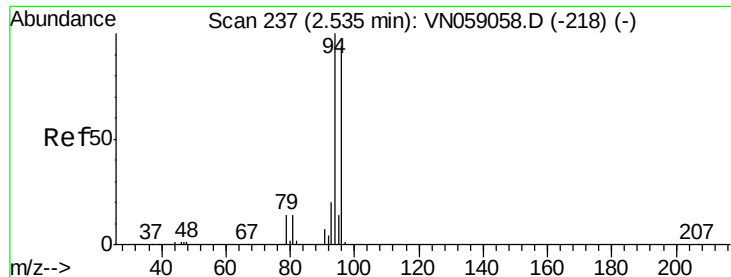
Tgt Ion: 62 Resp: 326601

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 48.481 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 190248

Ion Ratio Lower Upper

94 100

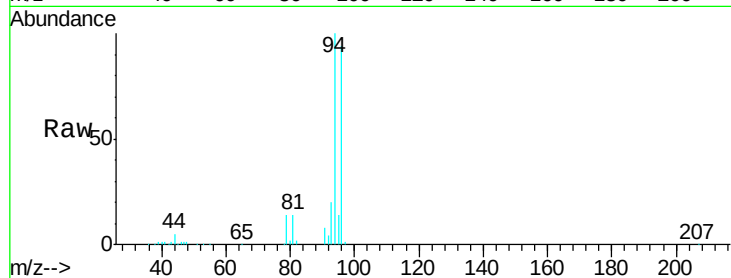
96 94.3 75.1 112.7

Manual Integrations

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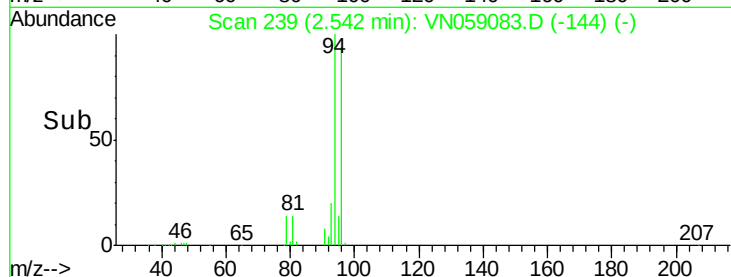
11/6/2019 1:56:15 PM



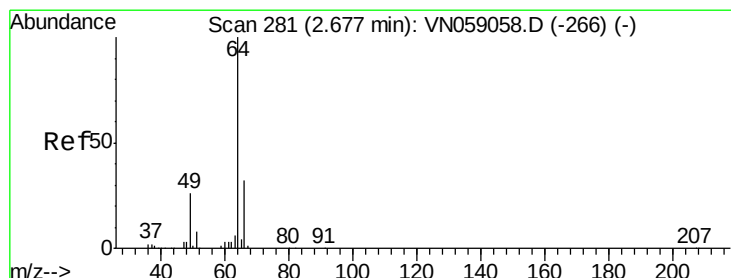
Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)

2.54



Time-->



#6

Chloroethane

Concen: 48.140 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059083.D

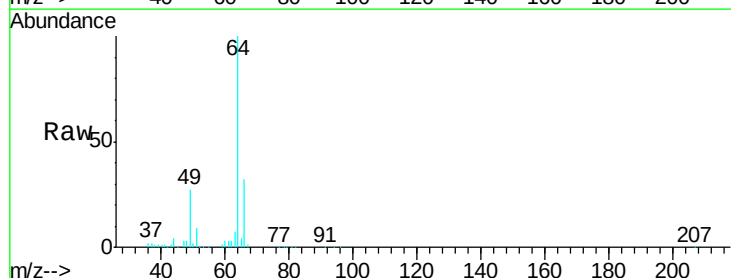
Acq: 5 Nov 2019 10:17

Tgt Ion: 64 Resp: 195690

Ion Ratio Lower Upper

64 100

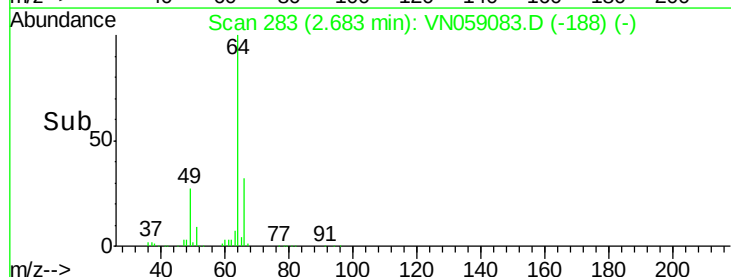
66 31.5 25.6 38.4



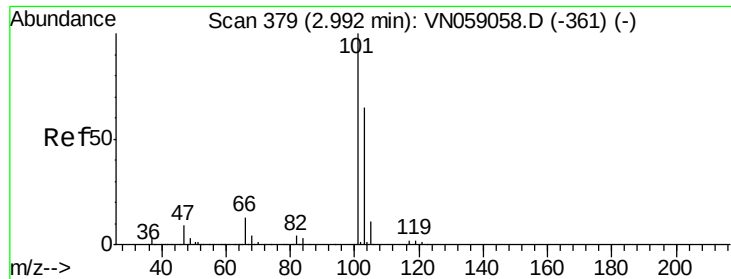
Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)

2.68



Time-->



#7

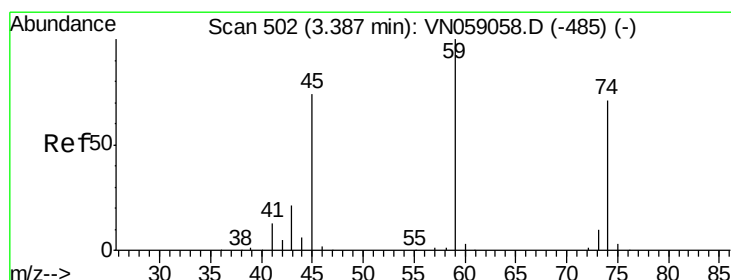
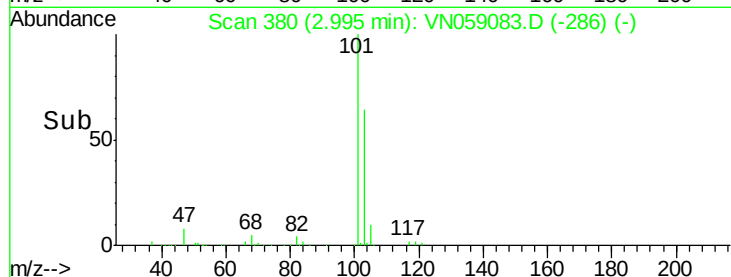
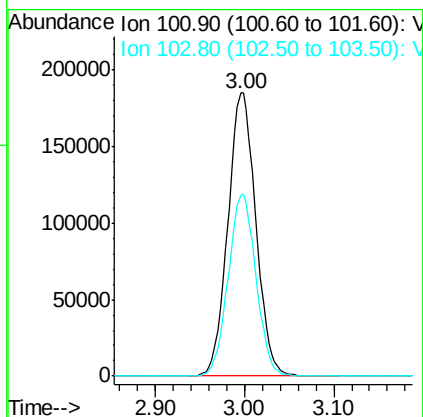
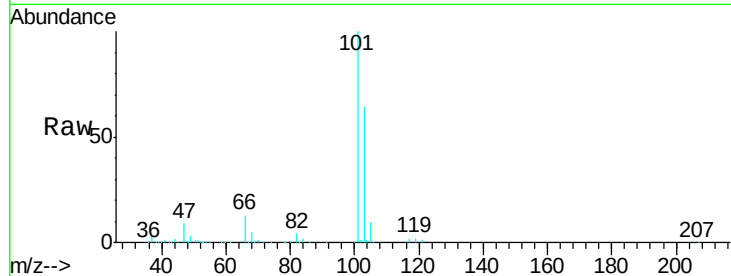
Trichlorofluoromethane
Concen: 50.833 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 400931
Ion Ratio Lower Upper
101 100
103 63.7 51.7 77.5

Manual Integrations
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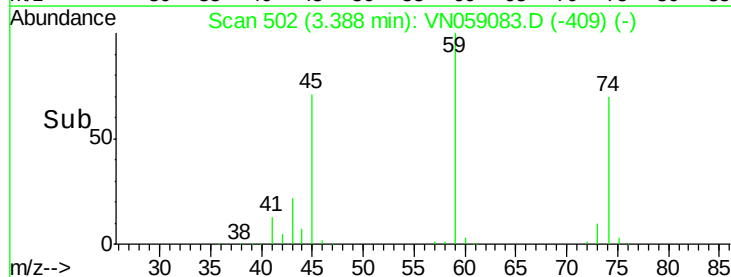
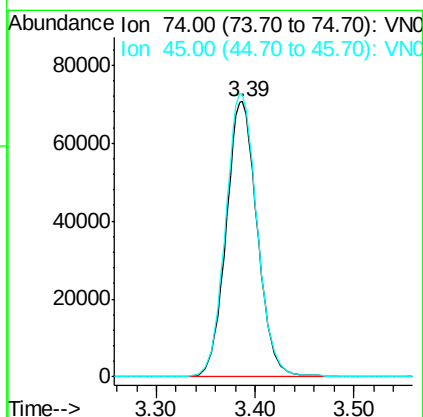
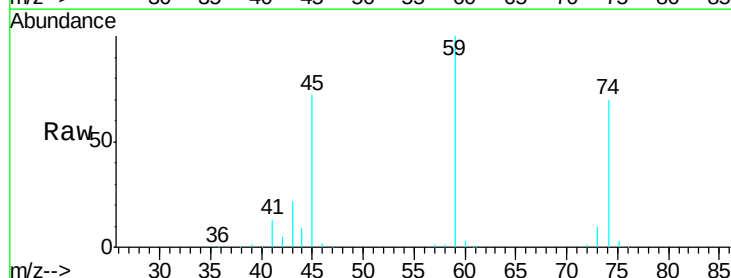
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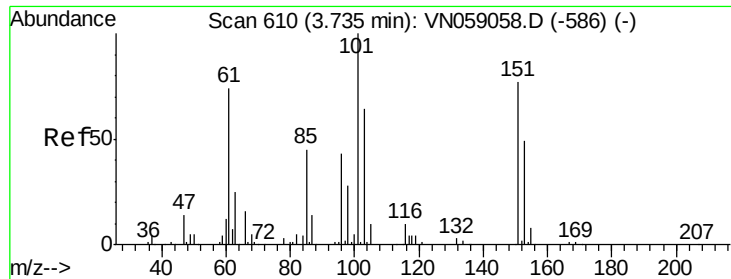


#8

Diethyl Ether
Concen: 50.608 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 74 Resp: 155880
Ion Ratio Lower Upper
74 100
45 104.2 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.639 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

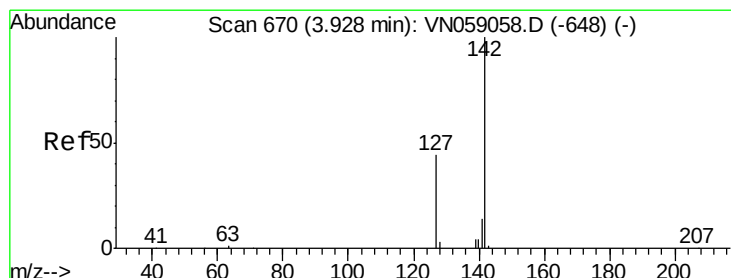
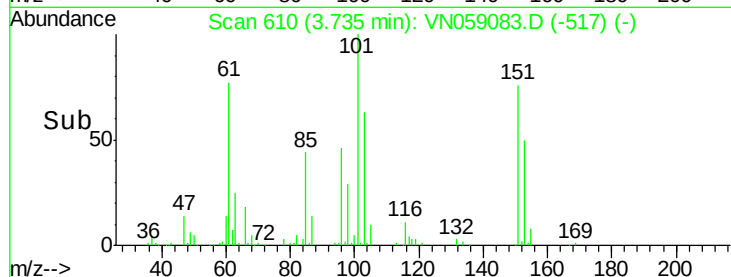
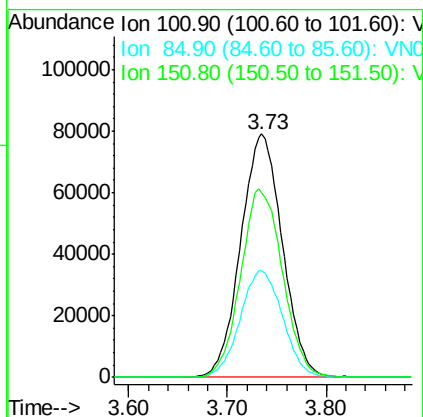
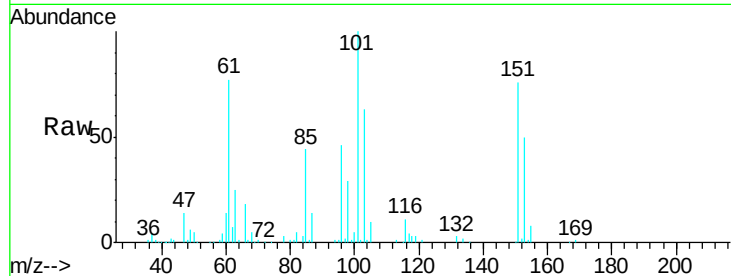
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	230769
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.0	52.6
151	77.8	61.3	91.9

Manual Integrations
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#10

Methyl Iodide

Concen: 52.565 ug/l

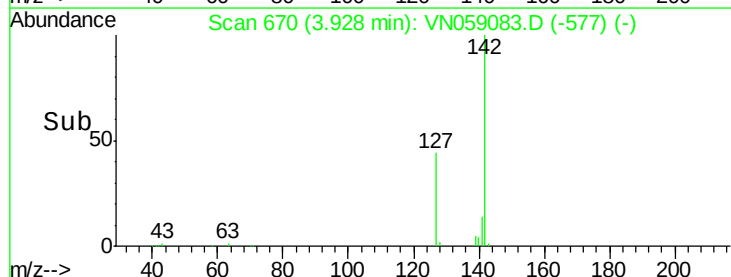
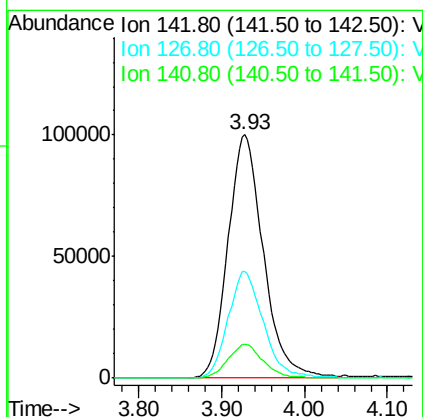
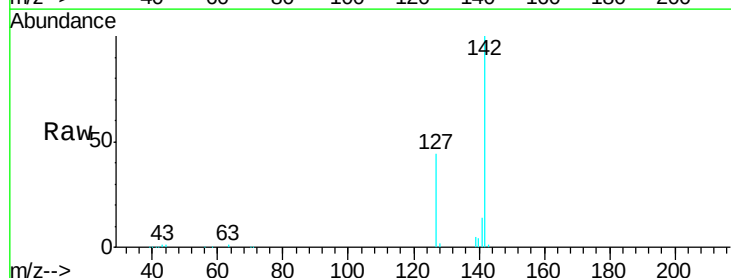
RT: 3.93 min Scan# 670

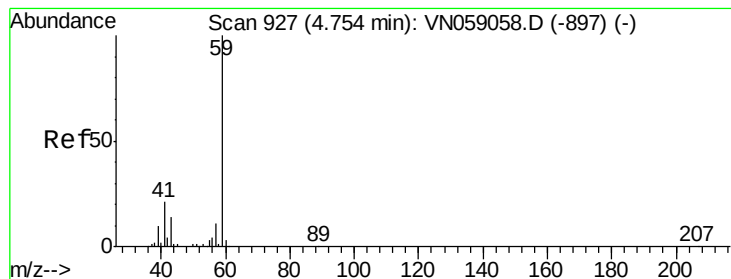
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	142	Resp:	297017
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.2
141	13.9	11.1	16.7





#11

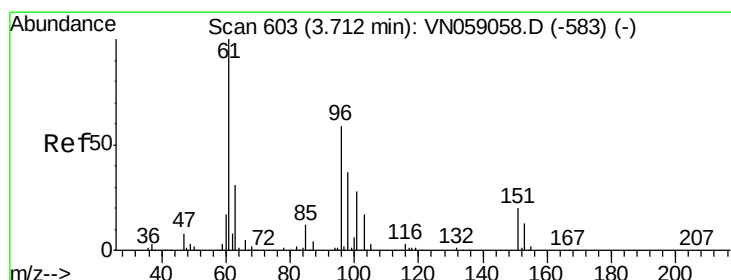
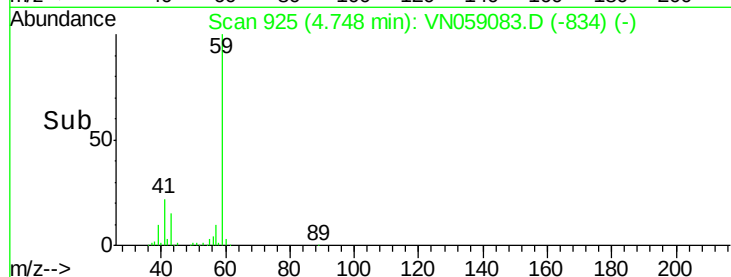
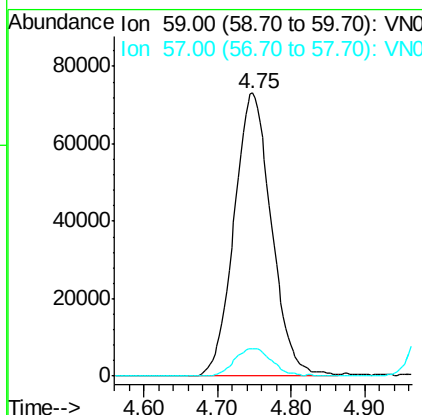
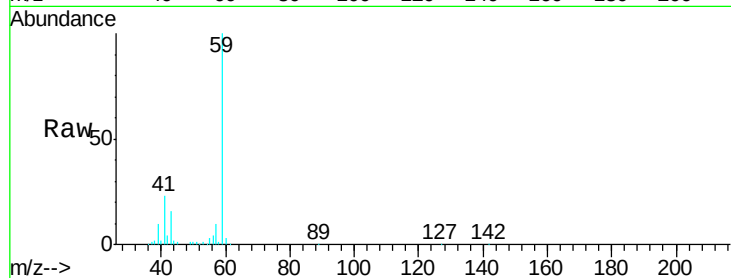
Tert butyl alcohol
Concen: 225.834 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	258190		
57	9.8	8.2	12.4	

Manual Integrations
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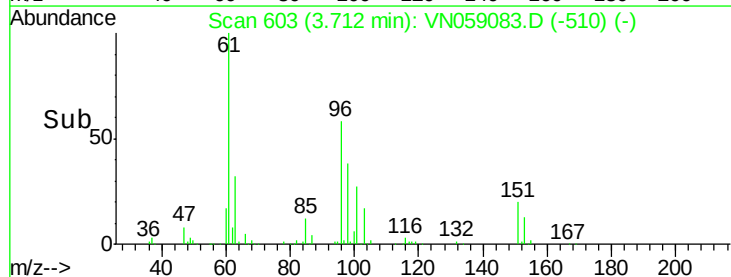
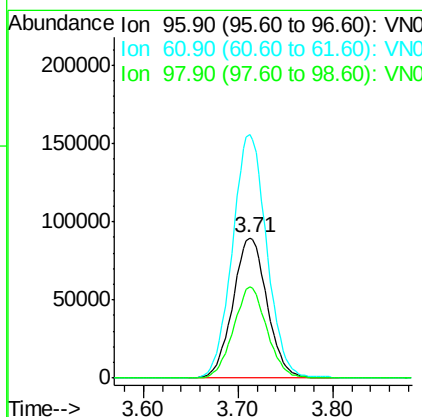
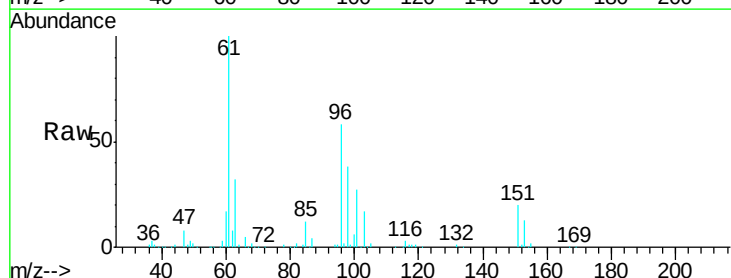
MMDadoda
11/6/2019 1:56:15 PM

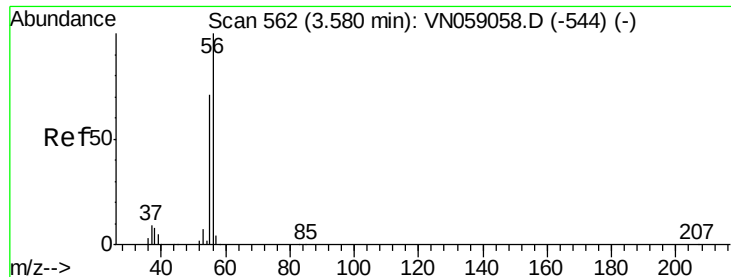


#12

1,1-Dichloroethene
Concen: 48.729 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	225294		
61	173.5	135.3	202.9	
98	65.3	49.4	74.2	





#13

Acrolein

Concen: 237.612 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 171414

Ion Ratio Lower Upper

56 100

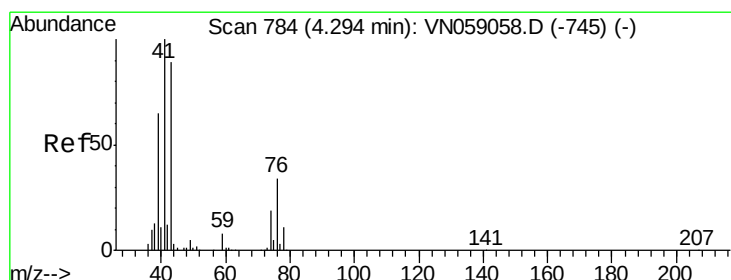
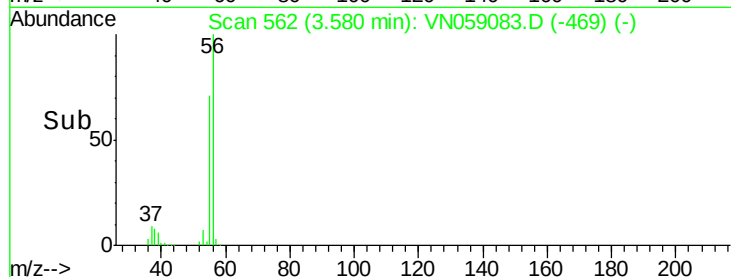
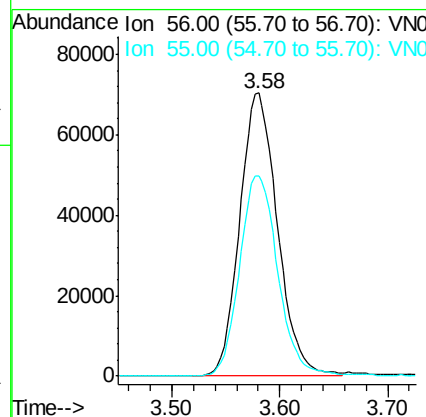
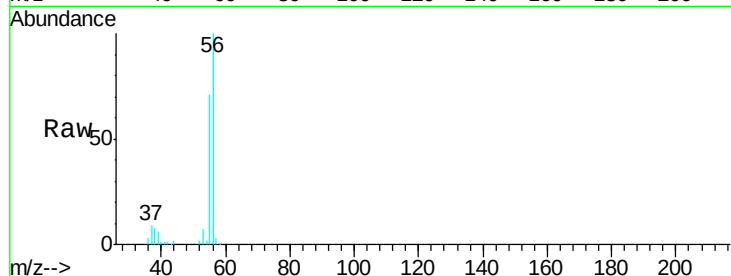
55 71.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.200 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

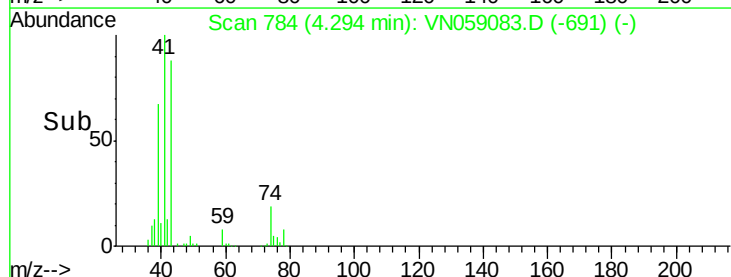
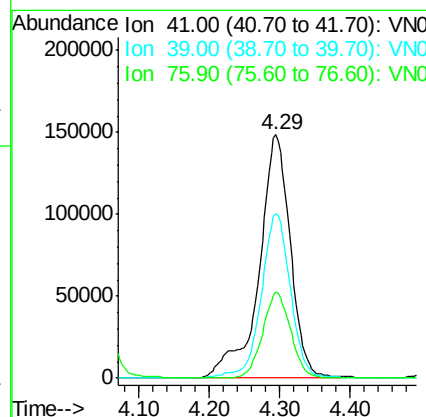
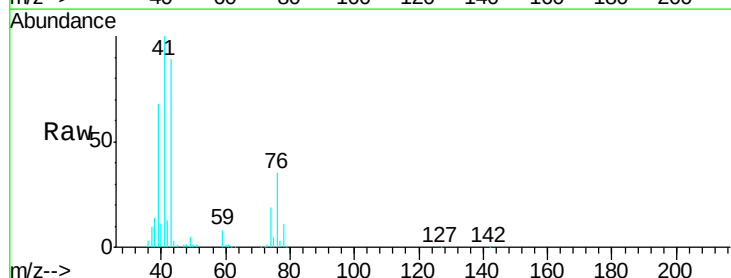
Tgt Ion: 41 Resp: 459909

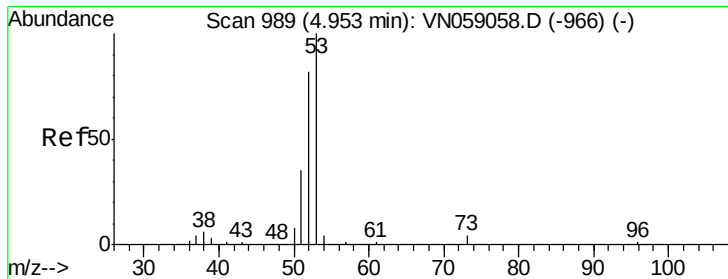
Ion Ratio Lower Upper

41 100

39 63.1 49.4 74.2

76 31.4 24.6 37.0





#15

Acrylonitrile

Concen: 257.916 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

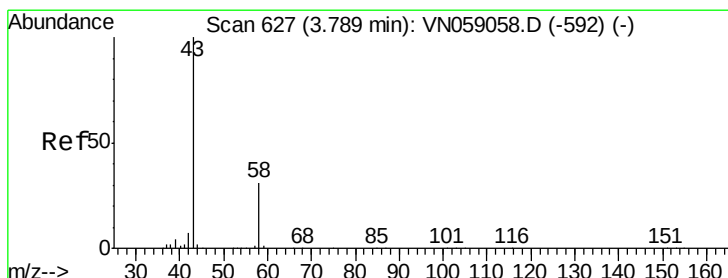
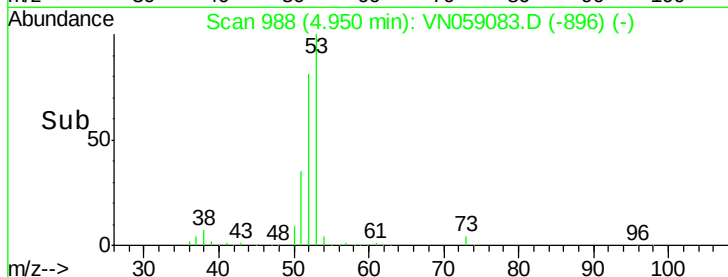
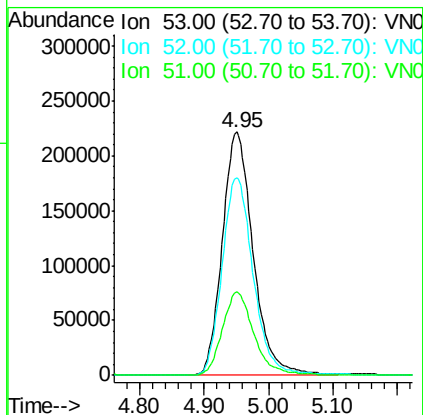
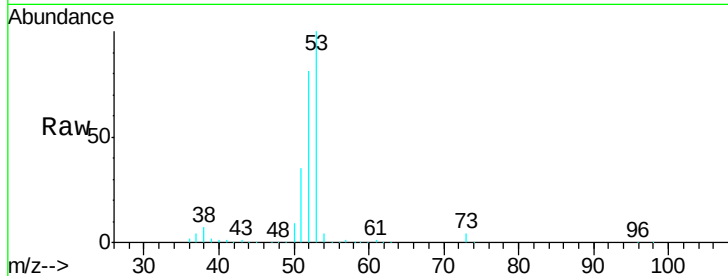
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	739688
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 275.790 ug/l

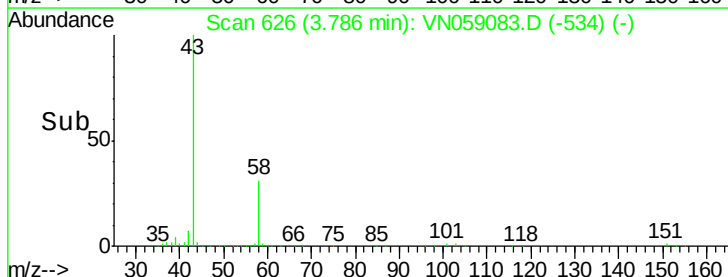
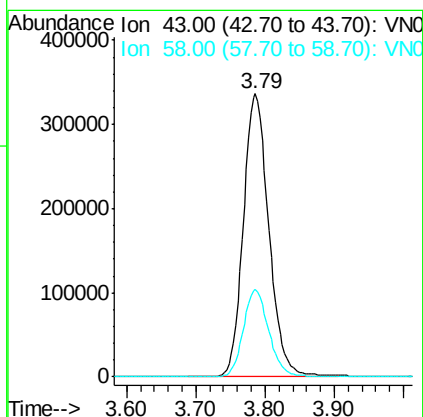
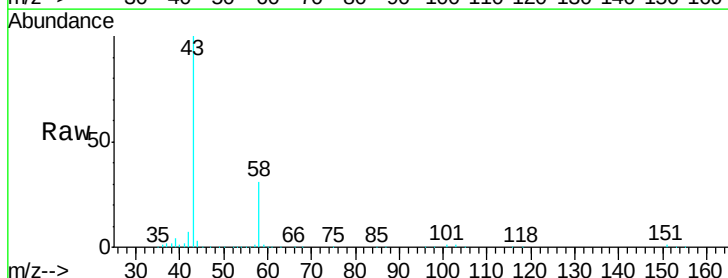
RT: 3.79 min Scan# 626

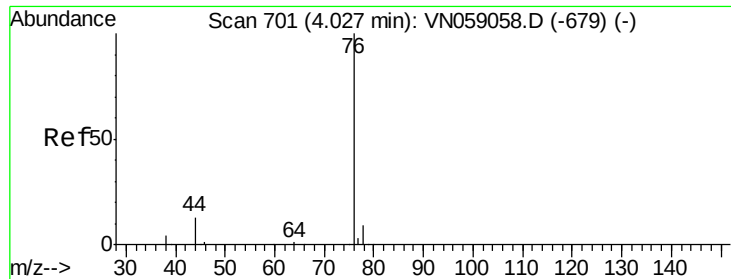
Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	43	Resp:	862484
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6





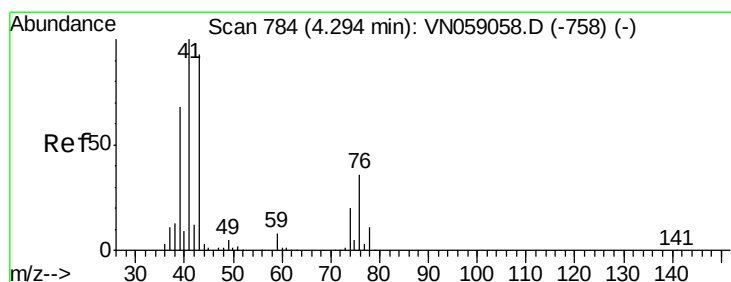
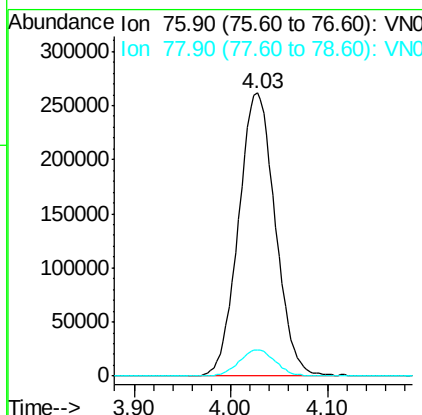
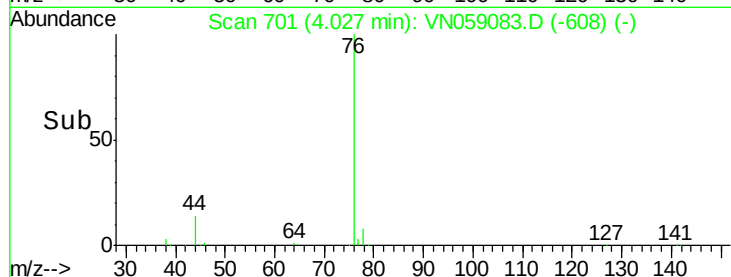
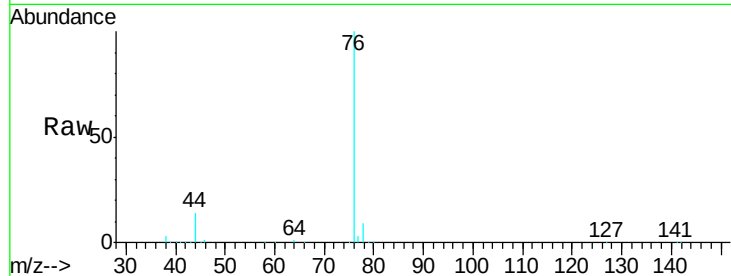
#17
Carbon Disulfide
Concen: 46.888 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 689198
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

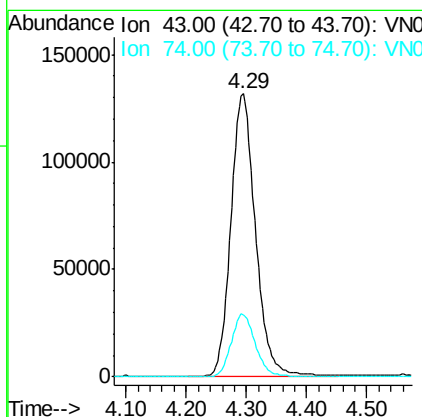
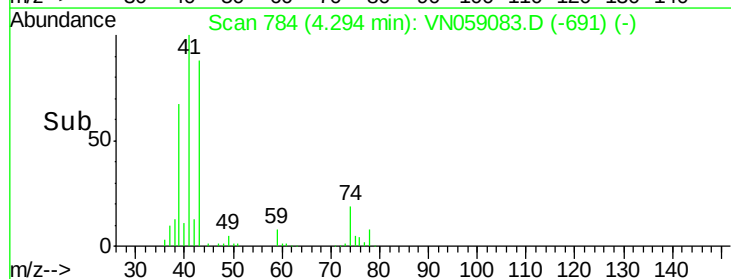
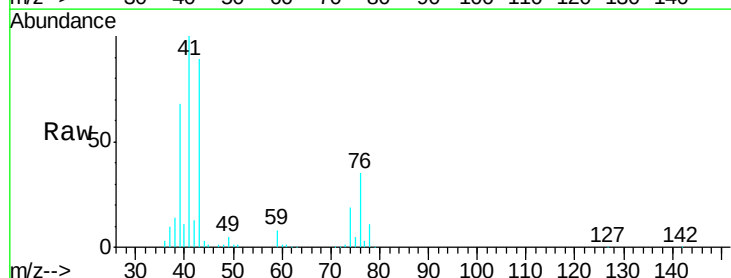
Manual Integrations
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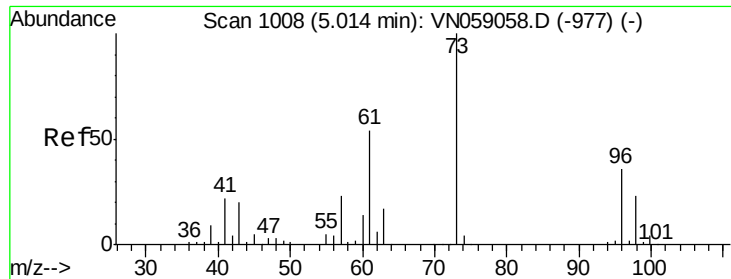
MMDadoda
11/6/2019 1:56:15 PM



#18
Methyl Acetate
Concen: 47.147 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 43 Resp: 373531
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3





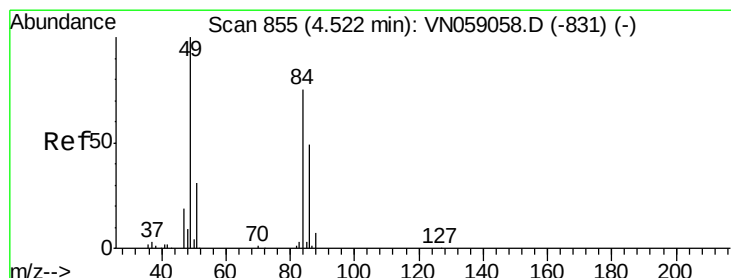
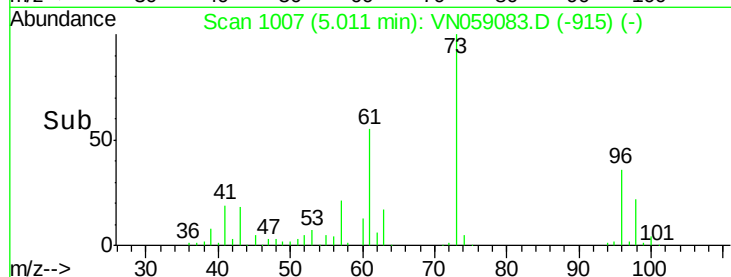
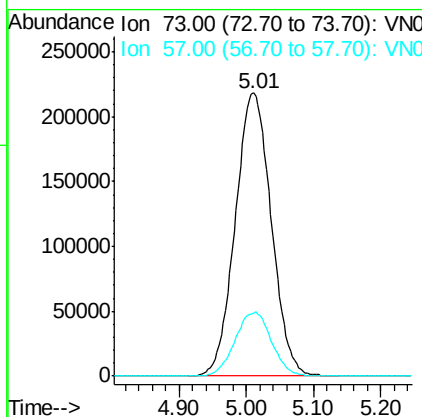
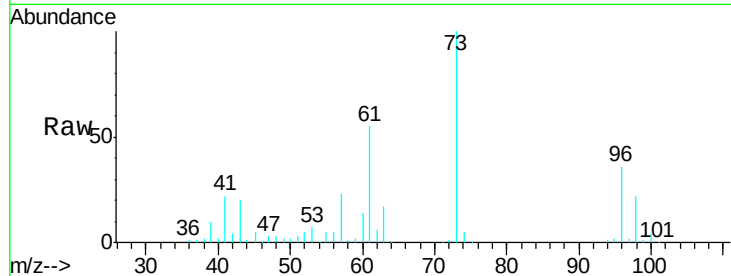
#19
Methyl tert-butyl Ether
Concen: 51.490 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 810817
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

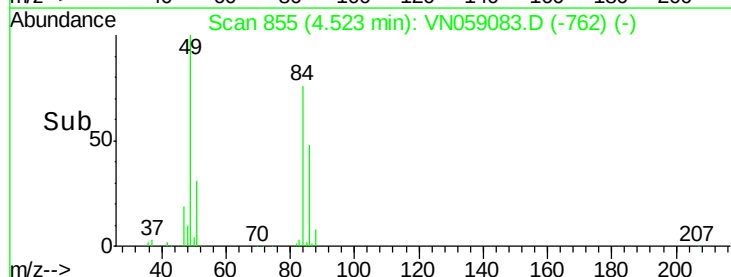
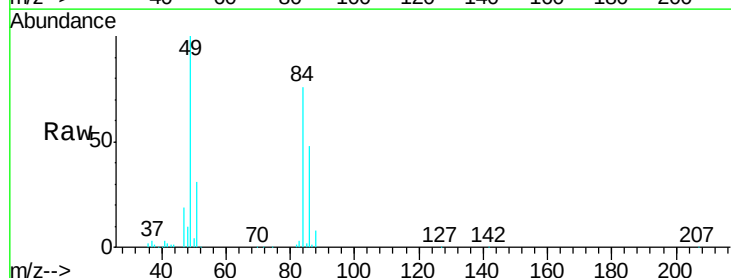
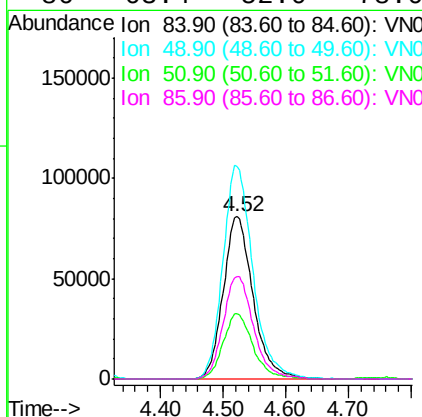
Manual Integrations
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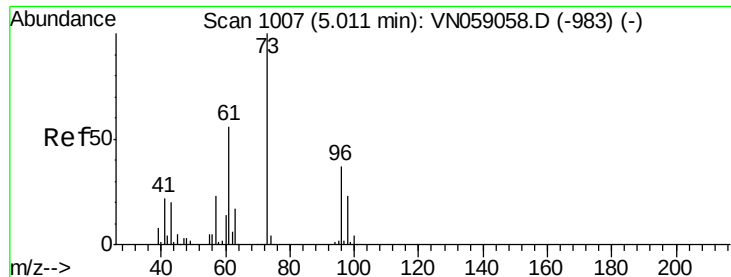
MMDadoda
11/6/2019 1:56:15 PM



#20
Methylene Chloride
Concen: 48.725 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 84 Resp: 266758
Ion Ratio Lower Upper
84 100
49 131.3 106.4 159.6
51 40.2 33.0 49.4
86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.505 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

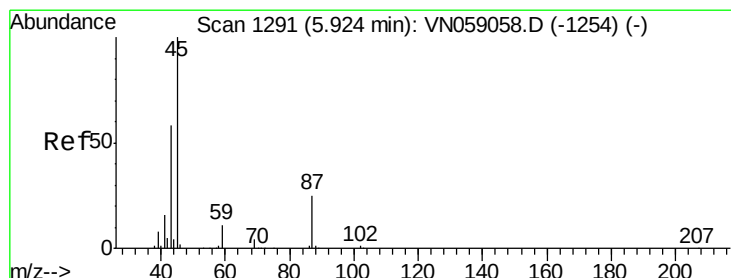
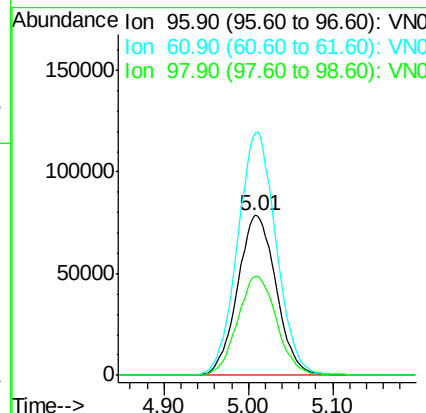
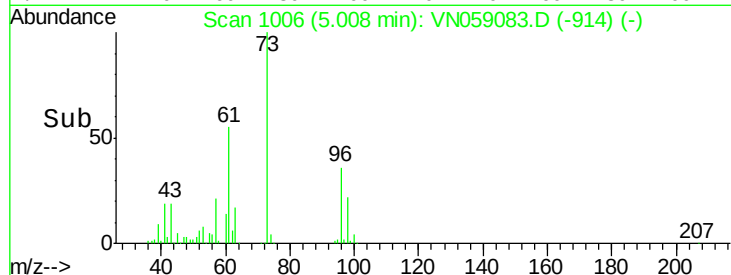
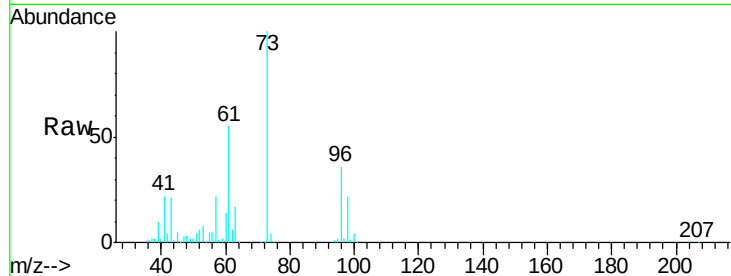
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	250679
Ion	Ratio	Lower	Upper
96	100		
61	151.0	121.7	182.5
98	62.0	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.272 ug/l

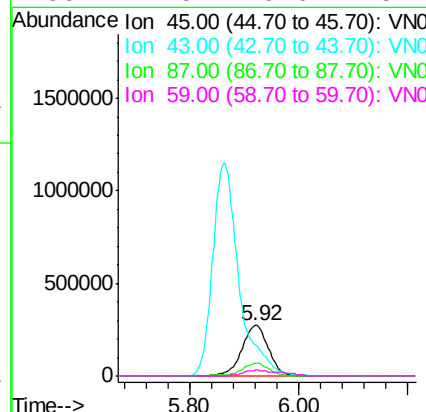
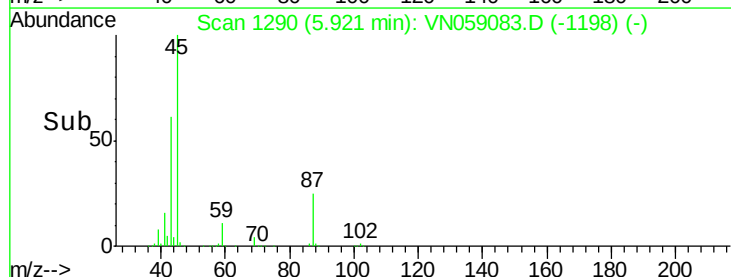
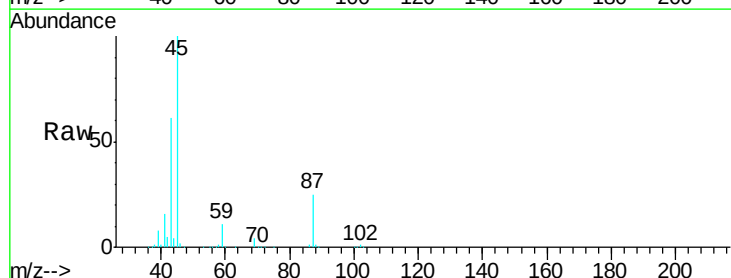
RT: 5.92 min Scan# 1290

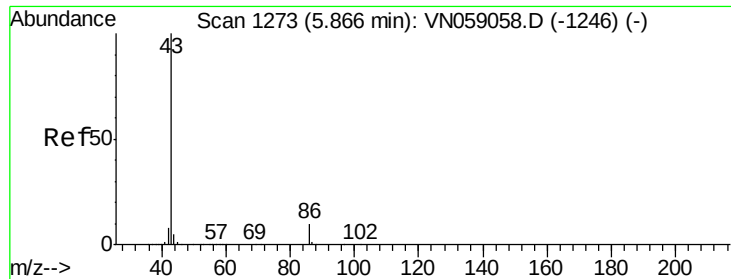
Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	45	Resp:	929621
Ion	Ratio	Lower	Upper
45	100		
43	60.1	46.9	70.3
87	25.3	20.1	30.1
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 276.919 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3848832

Ion Ratio Lower Upper

43 100

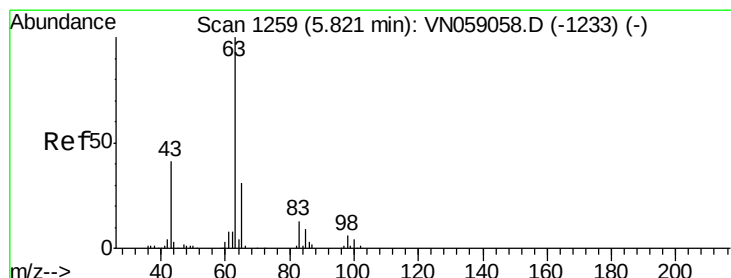
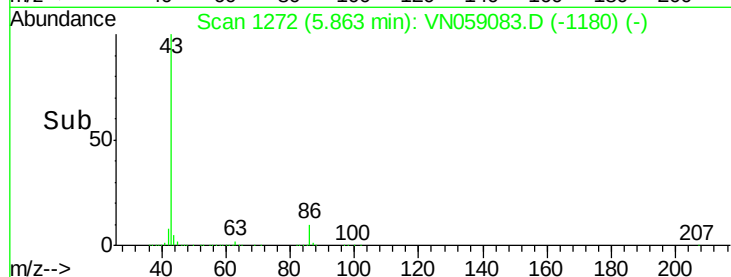
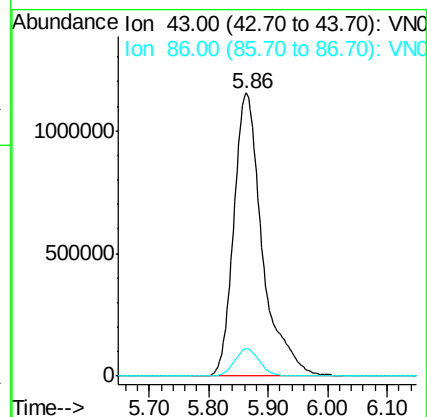
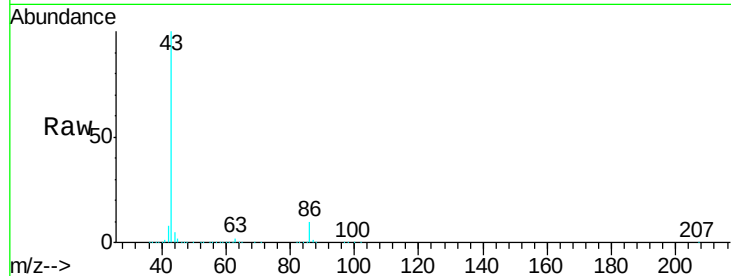
86 9.7 7.6 11.4

Manual Integrations

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11/6/2019 1:56:15 PM



#24

1,1-Dichloroethane

Concen: 50.431 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

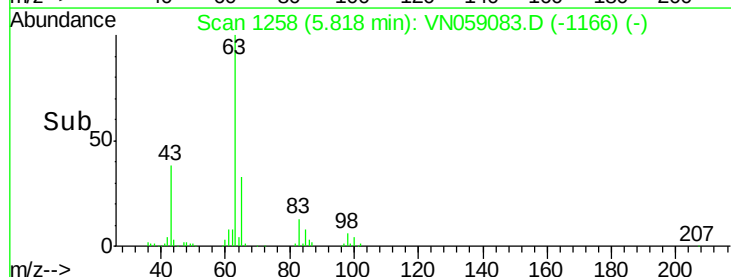
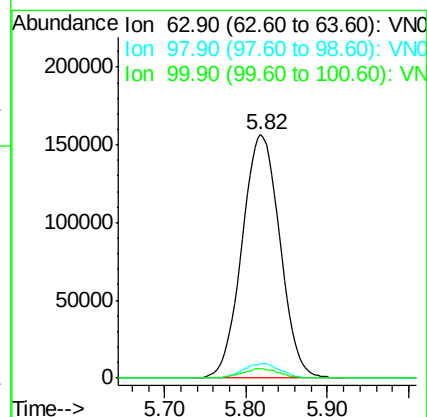
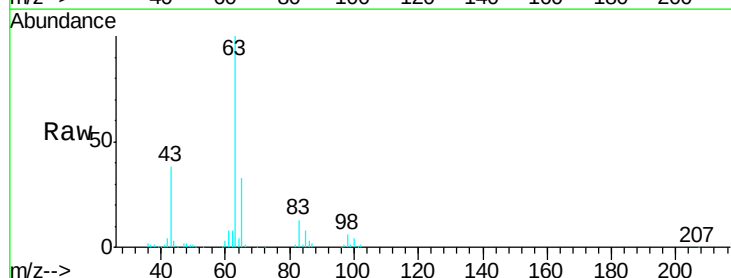
Tgt Ion: 63 Resp: 503138

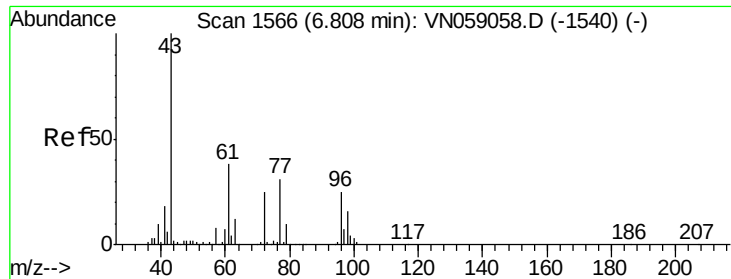
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 264.264 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1100443

Ion Ratio Lower Upper

43 100

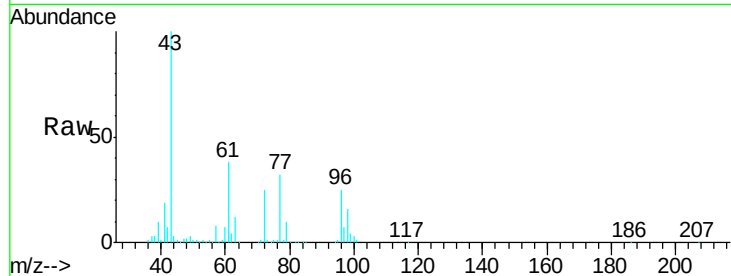
72 25.1 19.9 29.9

Manual Integrations

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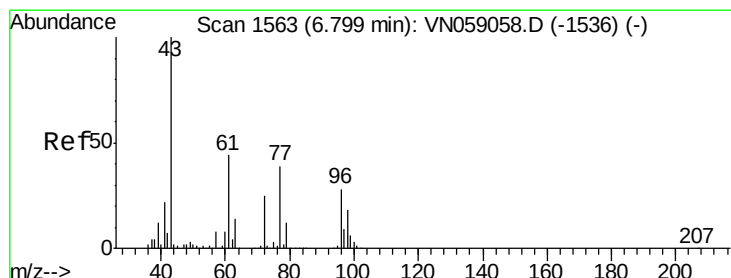
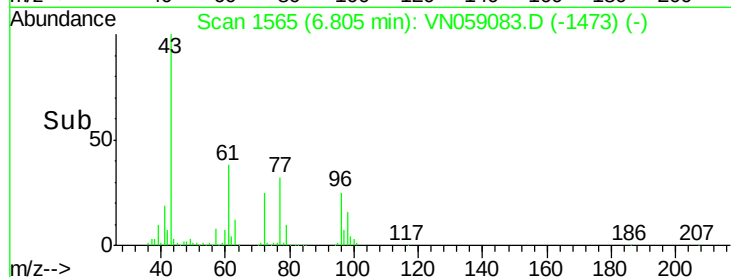
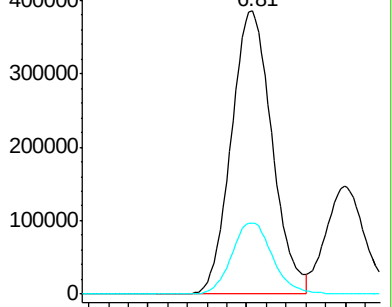
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN059058.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 50.041 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059083.D

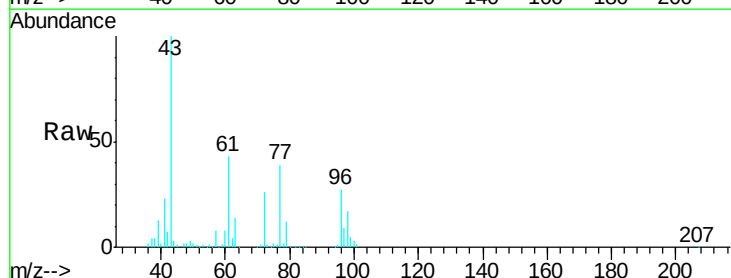
Acq: 5 Nov 2019 10:17

Tgt Ion: 77 Resp: 433334

Ion Ratio Lower Upper

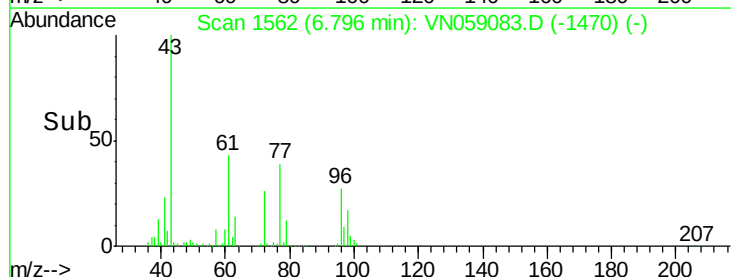
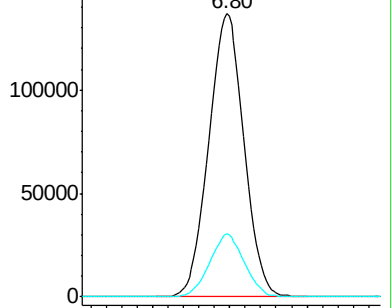
77 100

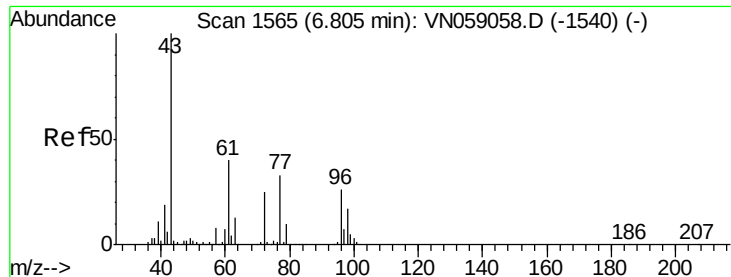
97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)

Ion 96.90 (96.60 to 97.60): VN059058.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 51.347 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

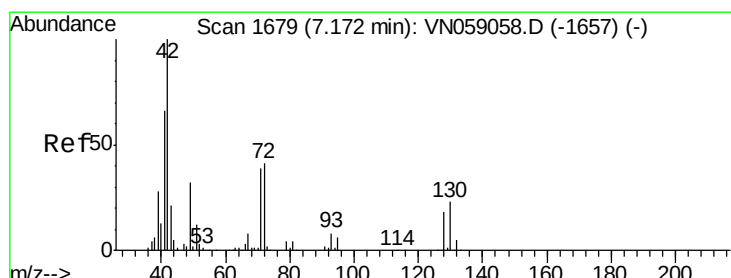
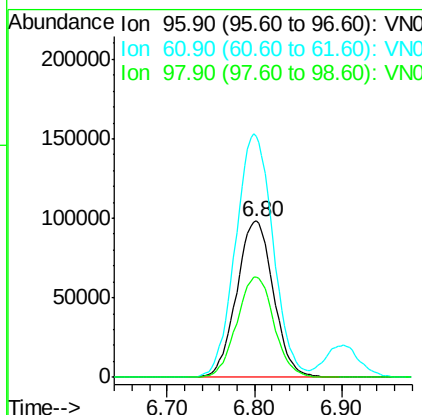
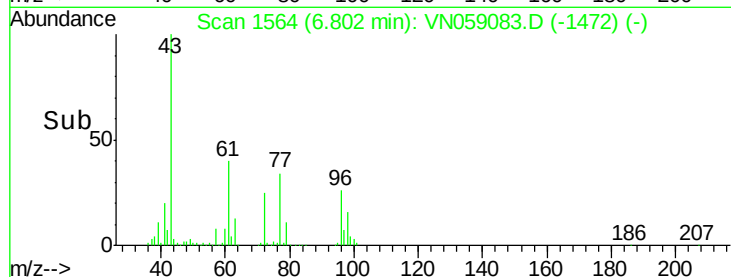
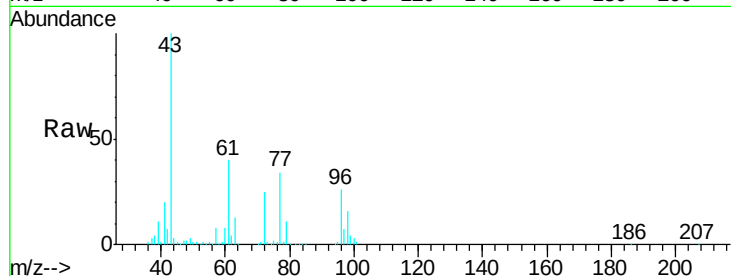
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	286971
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	316.4
98	64.8	0.0	128.2

Manual Integrations
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11/6/2019 1:56:15 PM



#28

Bromochloromethane

Concen: 50.334 ug/l

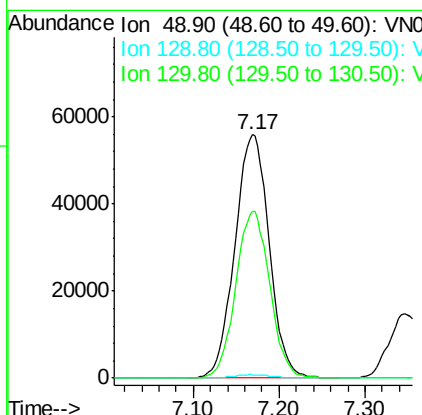
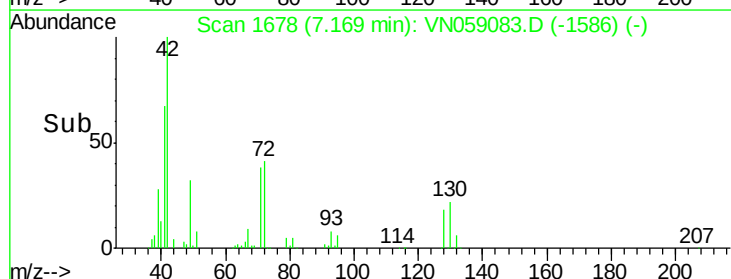
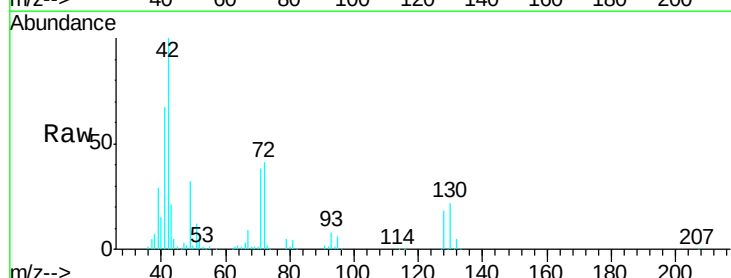
RT: 7.17 min Scan# 1678

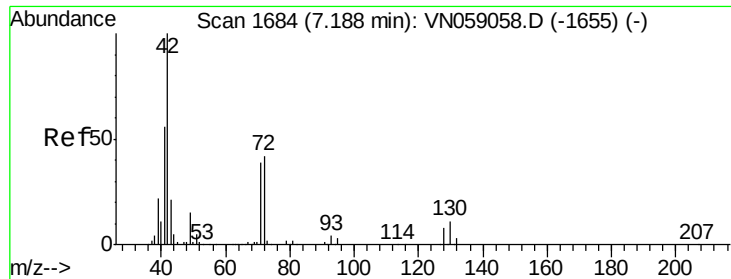
Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	49	Resp:	154983
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	68.0	55.0	82.6





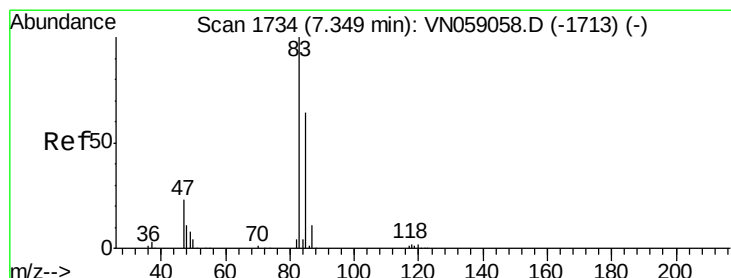
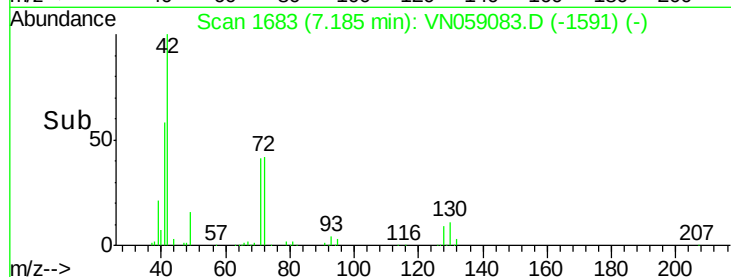
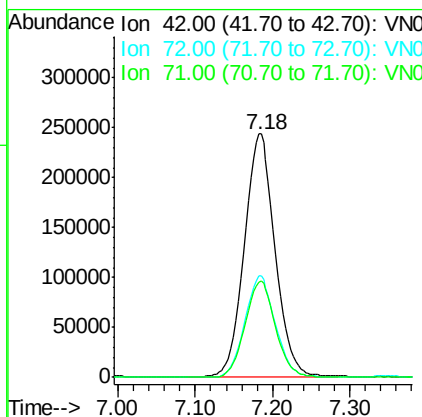
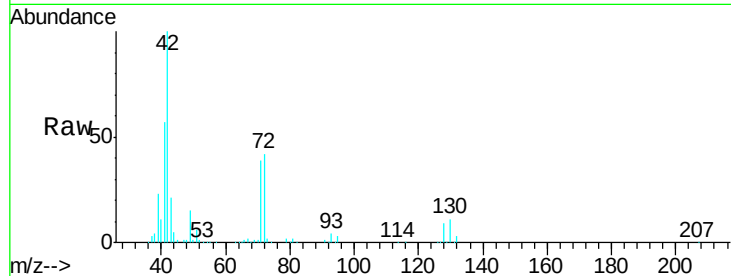
#29
Tetrahydrofuran
Concen: 256.935 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.7	49.1
71	39.2	31.2	46.8

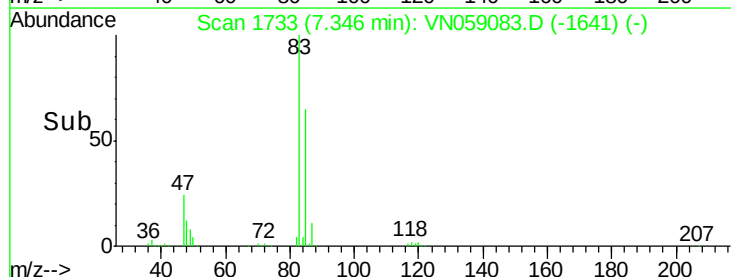
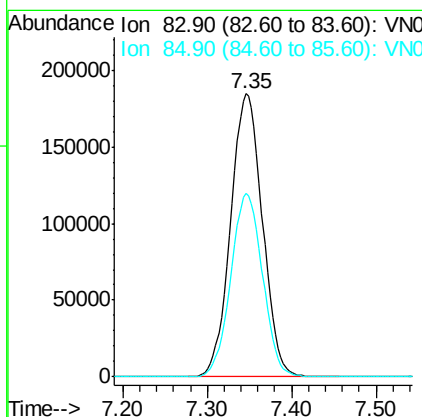
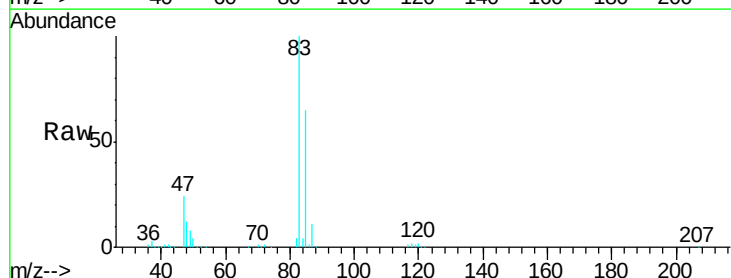
Manual Integrations
APPROVED

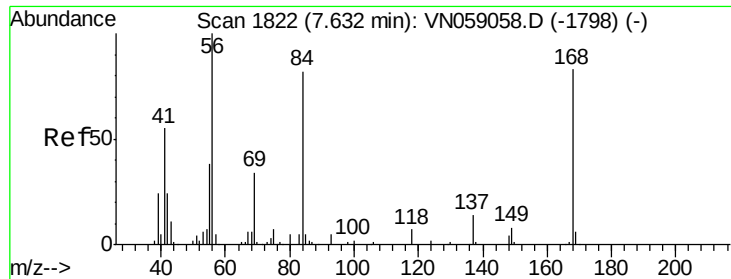
MMDadoda
11/6/2019 1:56:15 PM



#30
Chloroform
Concen: 50.784 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3





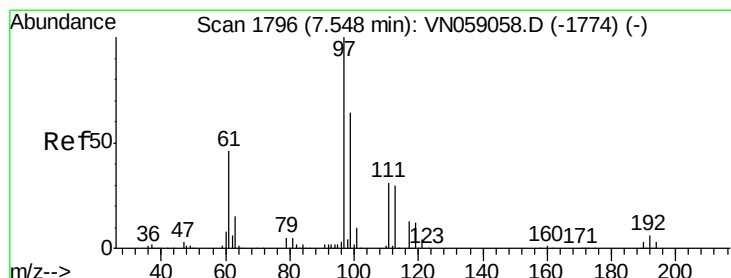
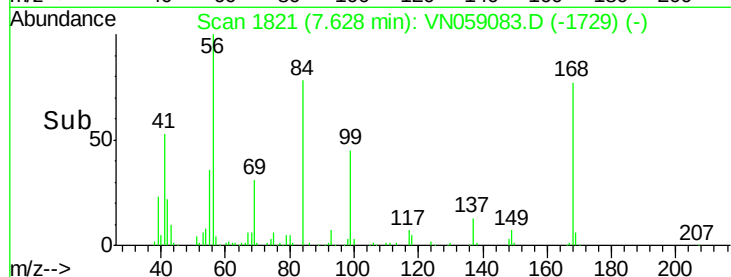
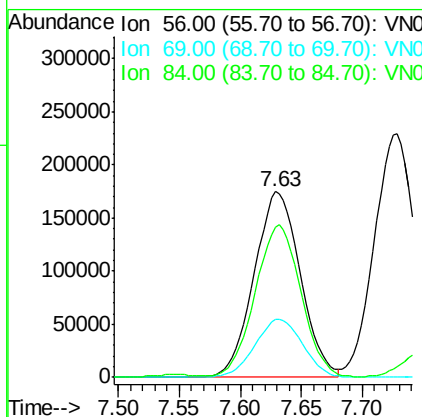
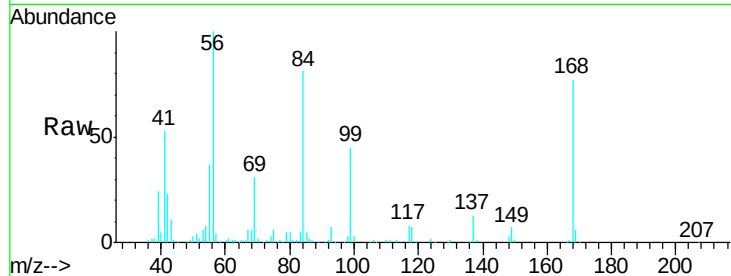
#31
Cyclohexane
Concen: 48.444 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	27.2	40.8
84	80.1	65.2	97.8

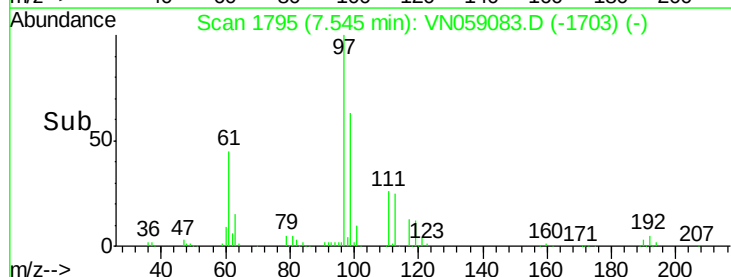
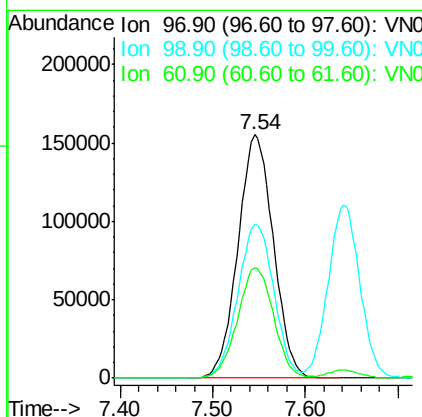
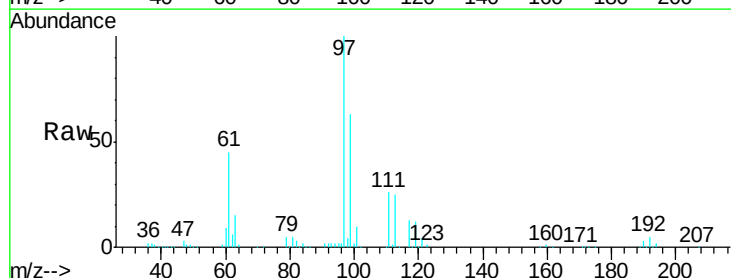
Manual Integrations
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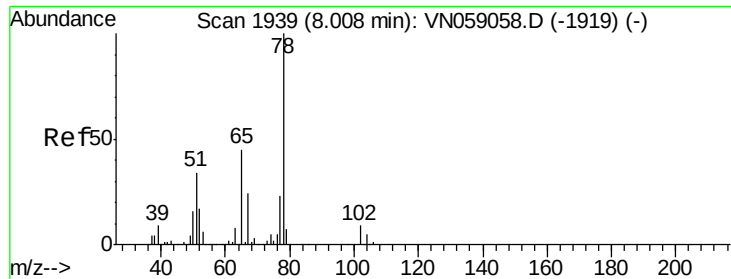
MMDadoda
11/6/2019 1:56:15 PM



#32
1,1,1-Trichloroethane
Concen: 51.015 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	46.0	36.3	54.5





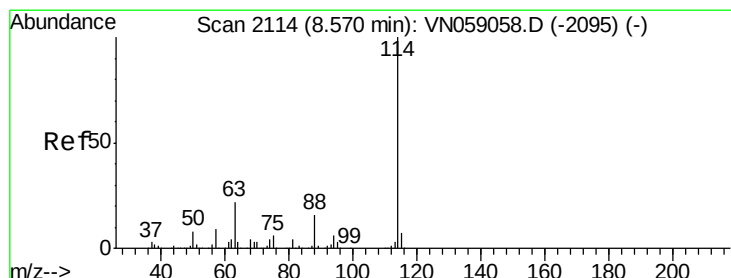
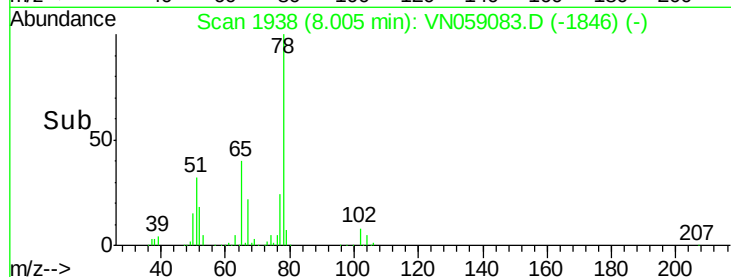
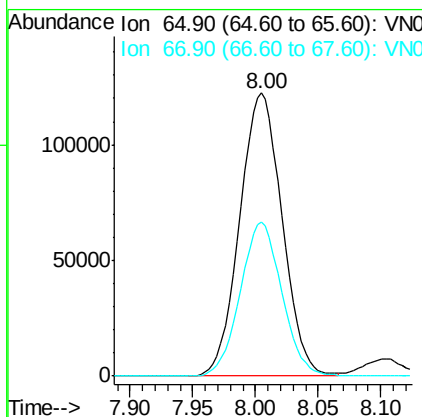
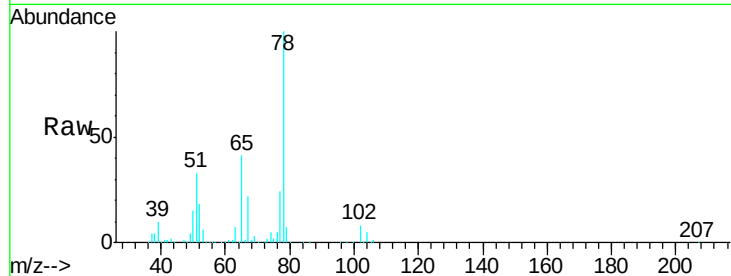
#33
 1,2-Dichloroethane-d4
 Concen: 46.639 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	288105		
67	53.3	0.0	107.6	

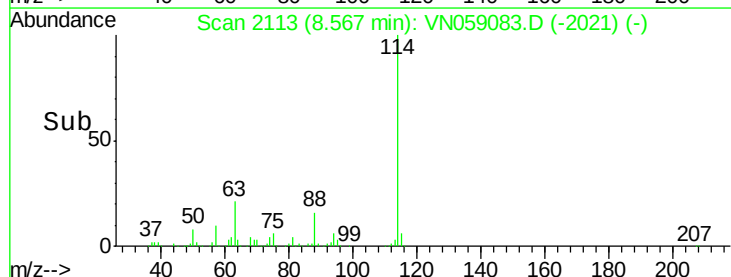
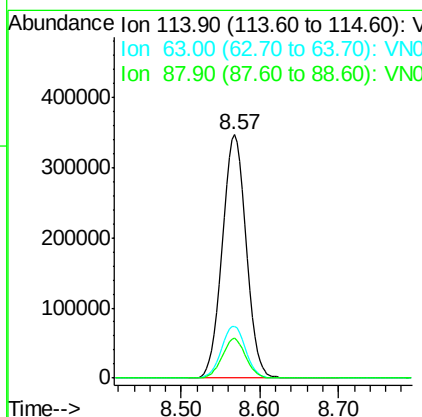
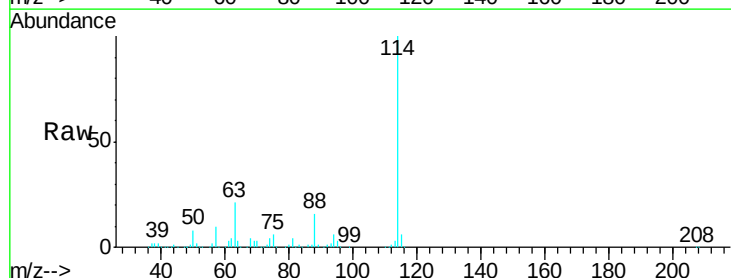
Manual Integrations
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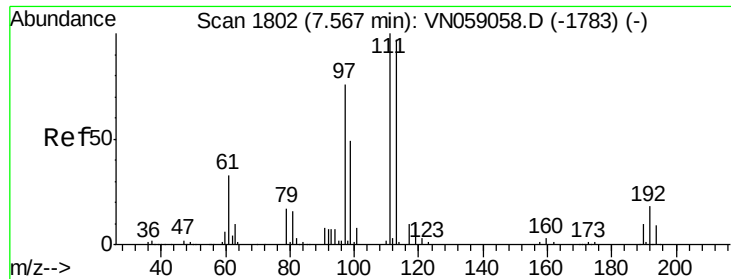
MMDadoda
 11/6/2019 1:56:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	724330		
63	21.4	0.0	43.2	
88	16.3	0.0	33.0	





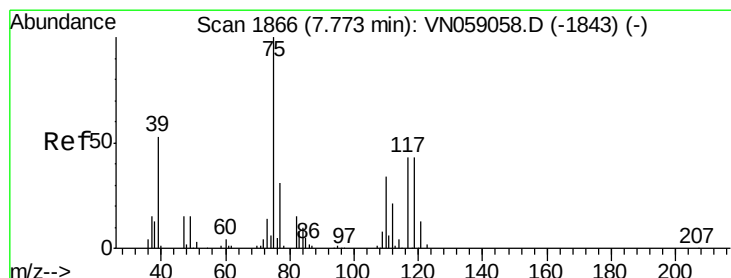
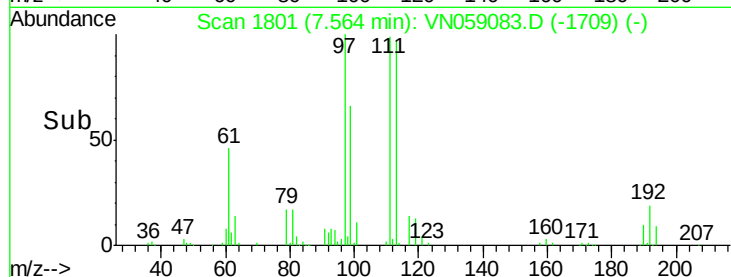
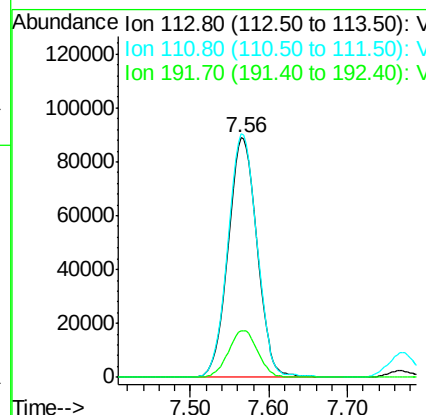
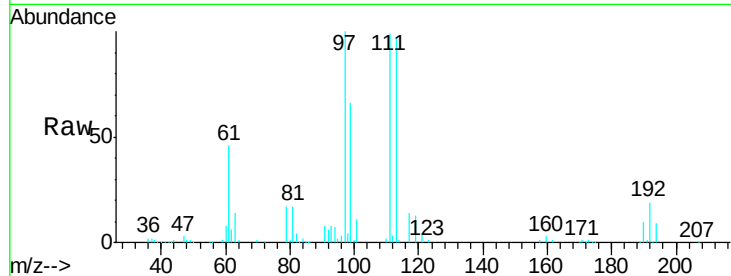
#35
 Dibromofluoromethane
 Concen: 48.303 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	225713		
111	102.0	82.9	124.3	
192	19.7	15.9	23.9	

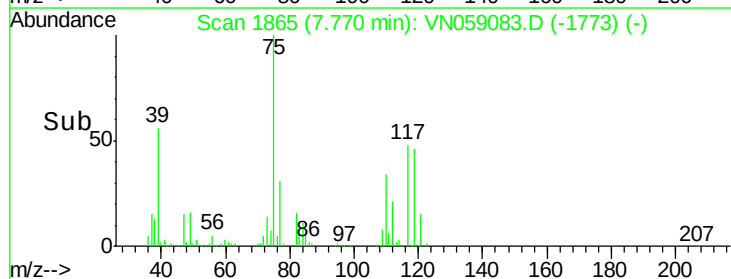
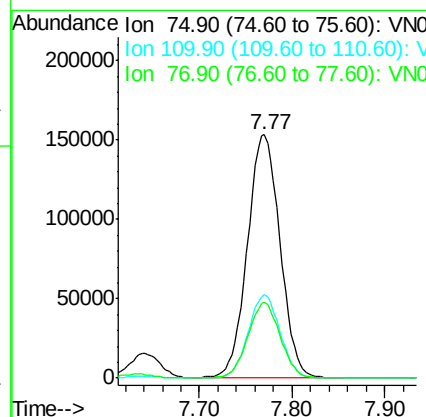
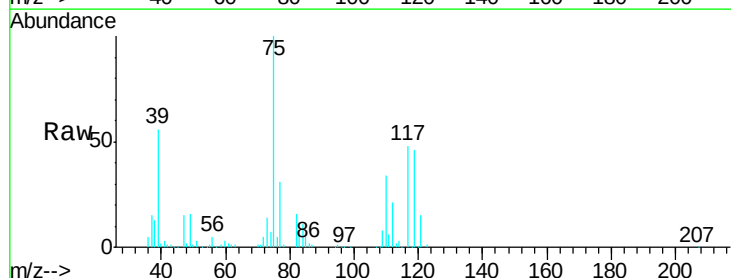
Manual Integrations
 APPROVED

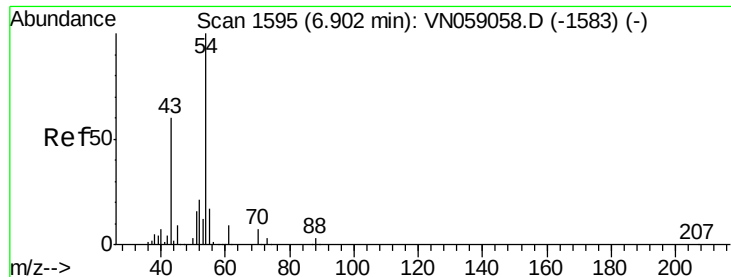
MMDadoda
 11/6/2019 1:56:15 PM



#36
 1,1-Dichloropropene
 Concen: 51.763 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	372644		
110	33.6	16.9	50.6	
77	31.0	25.0	37.4	





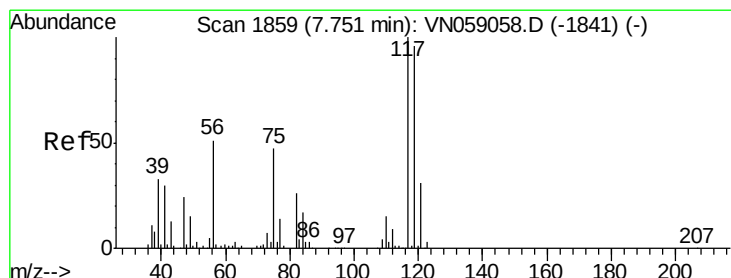
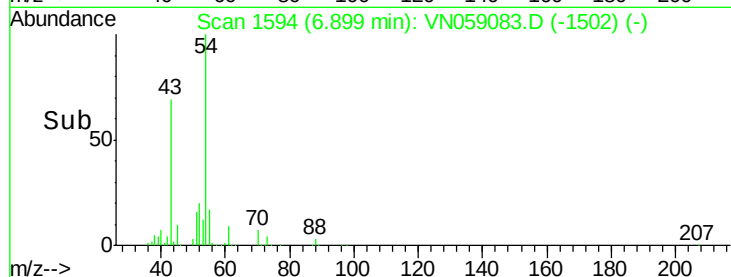
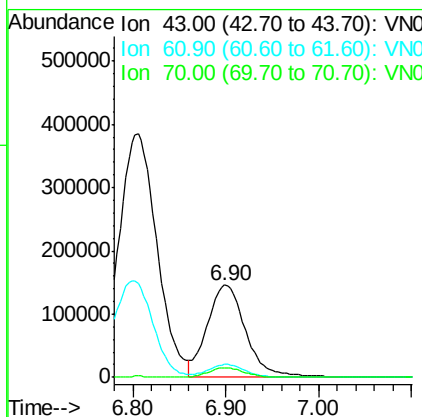
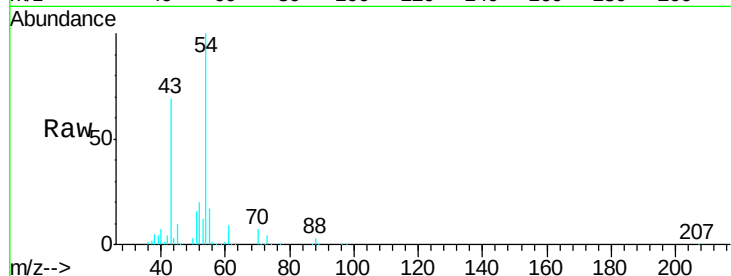
#37
Ethyl Acetate
Concen: 51.680 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.2	16.8
70	10.2	8.0	12.0

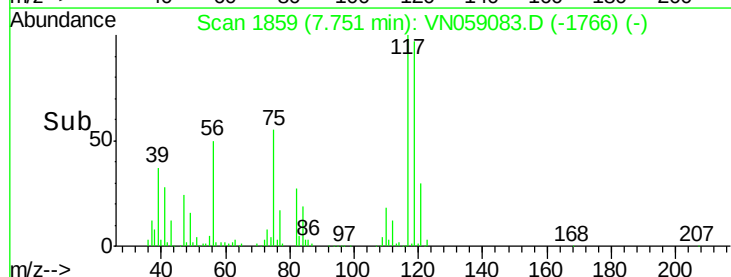
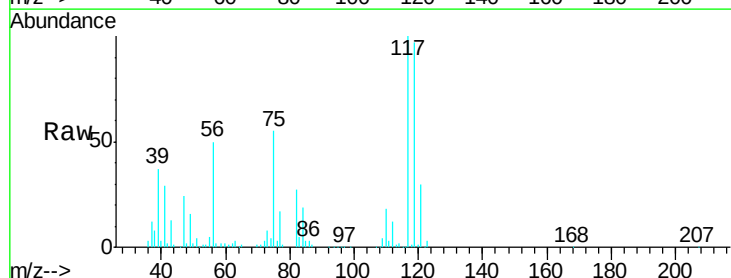
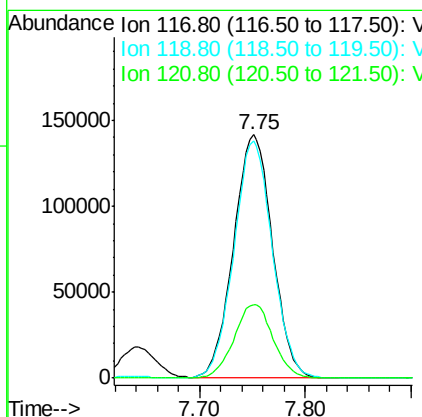
Manual Integrations
APPROVED

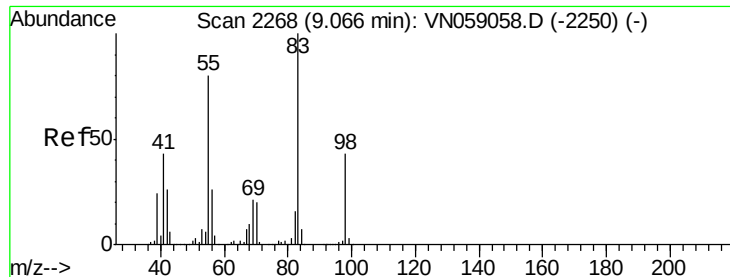
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.716 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	114.8
121	30.3	24.6	37.0





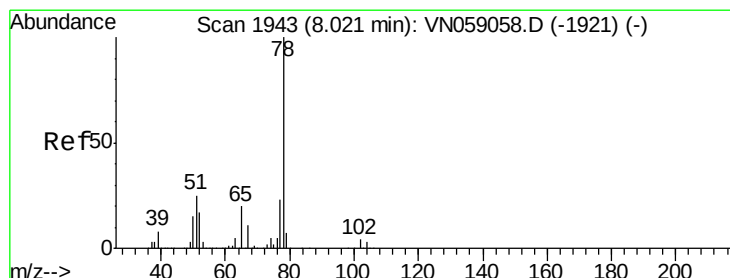
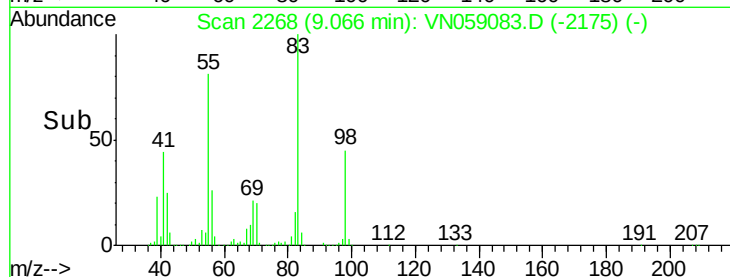
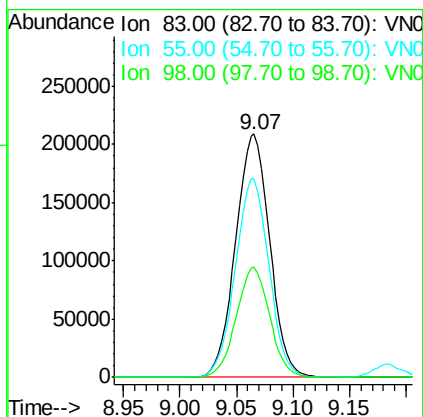
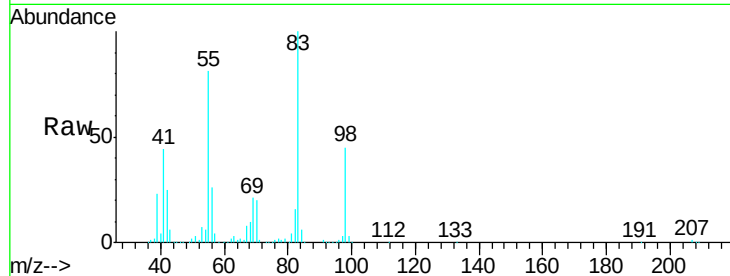
#39
Methylcyclohexane
Concen: 52.861 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	64.1	96.1
98	45.2	34.3	51.5

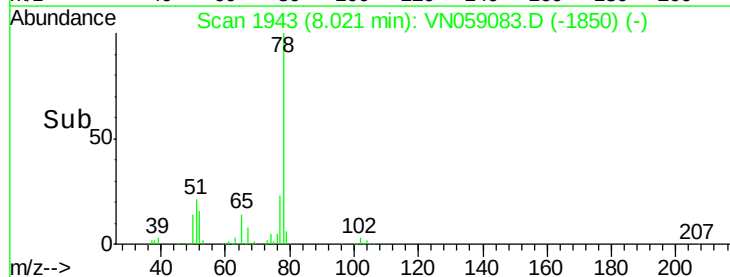
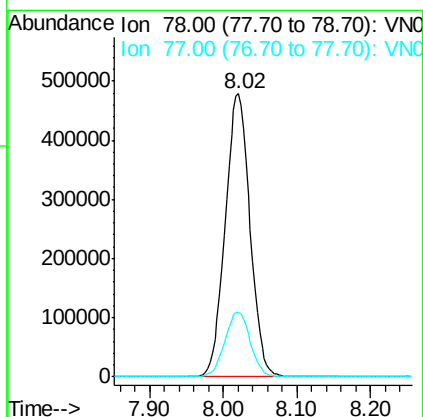
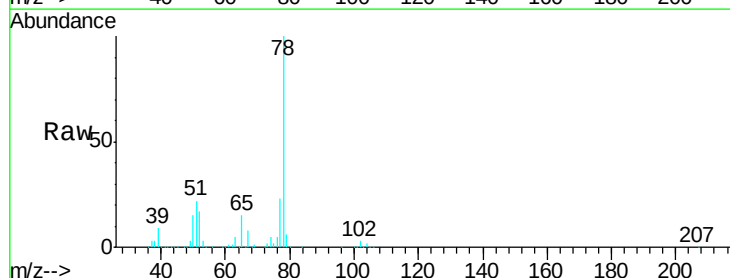
Manual Integrations
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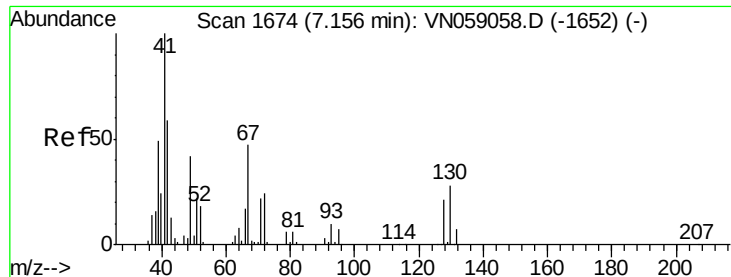
MMDadoda
11/6/2019 1:56:15 PM



#40
Benzene
Concen: 52.162 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8





#41

Methacrylonitrile

Concen: 50.231 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 173736
Ion Ratio Lower Upper

41 100

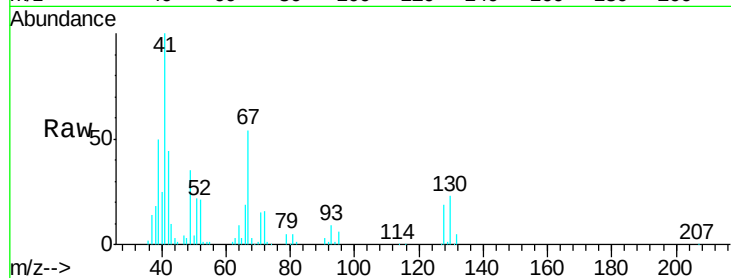
39 0.0 0.0 0.0

67 0.0 0.0 0.0

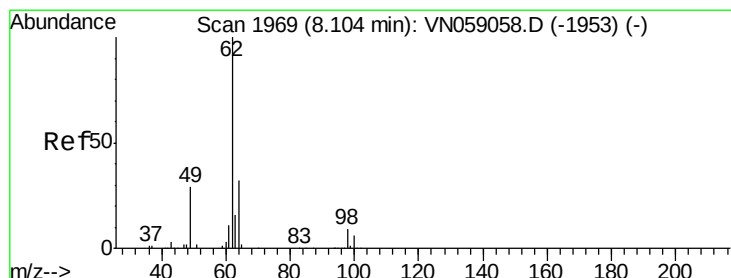
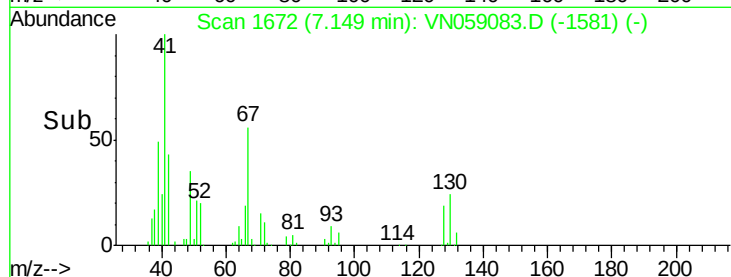
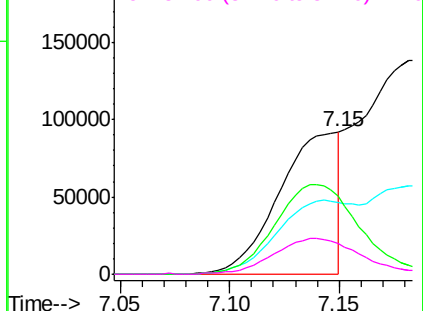
52 0.0 0.0 0.0

Manual Integrations
APPROVED

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 52.366 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

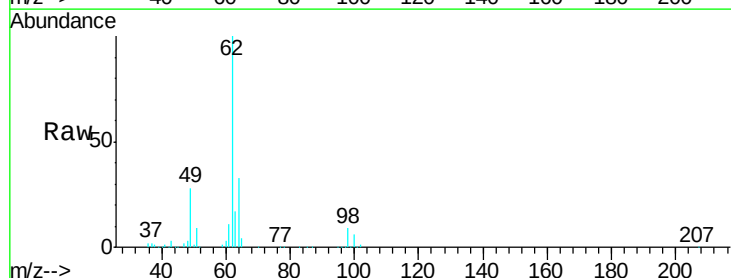
Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

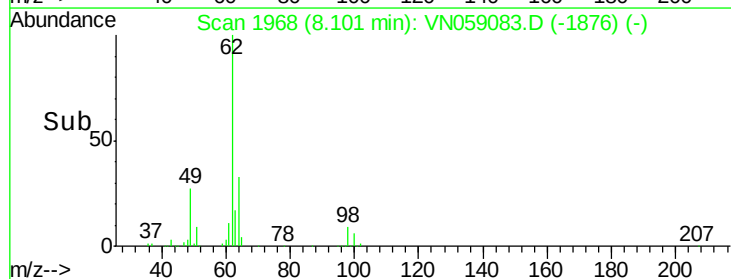
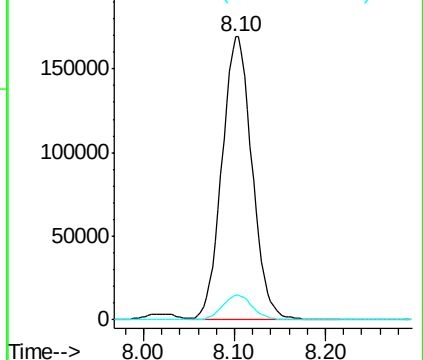
Tgt Ion: 62 Resp: 388544
Ion Ratio Lower Upper

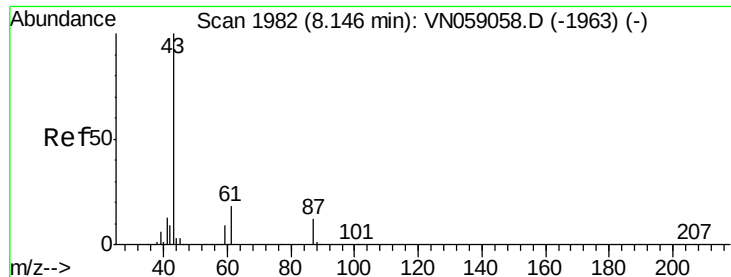
62 100

98 8.8 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





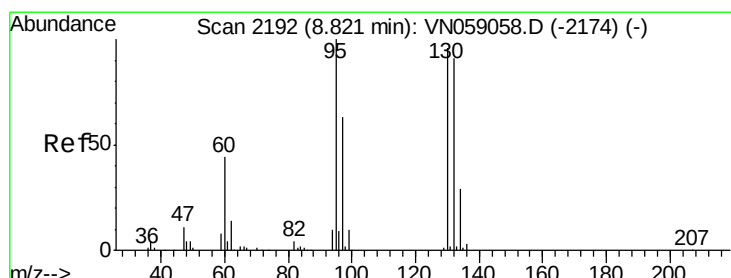
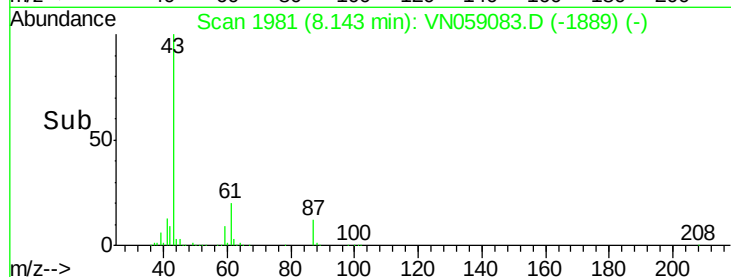
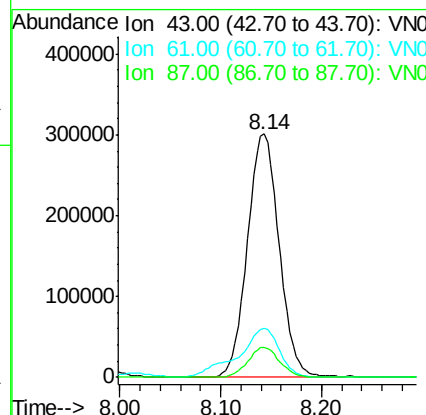
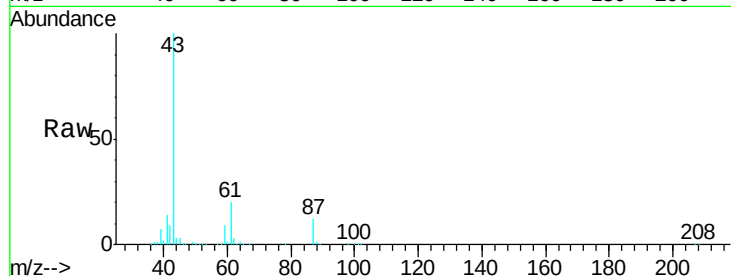
#43
Isopropyl Acetate
Concen: 52.266 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.5	30.7
87	12.3	9.8	14.8

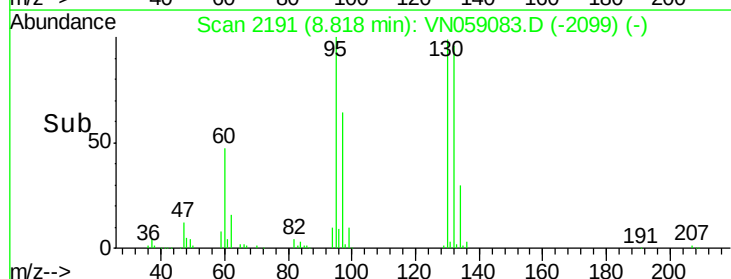
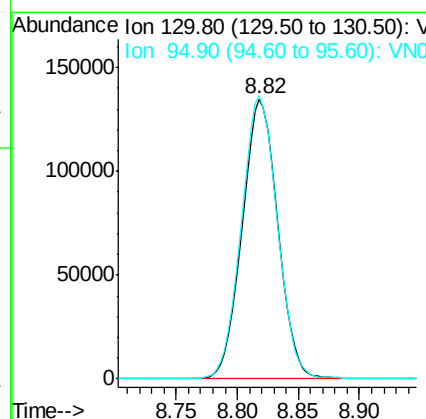
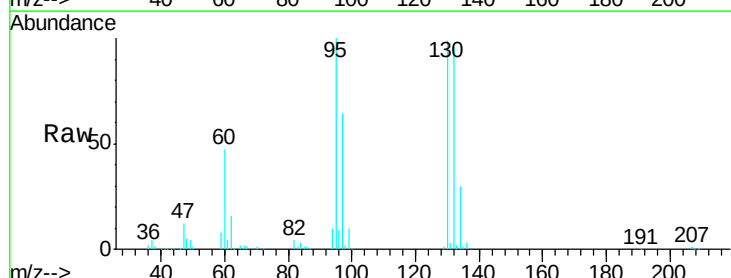
Manual Integrations
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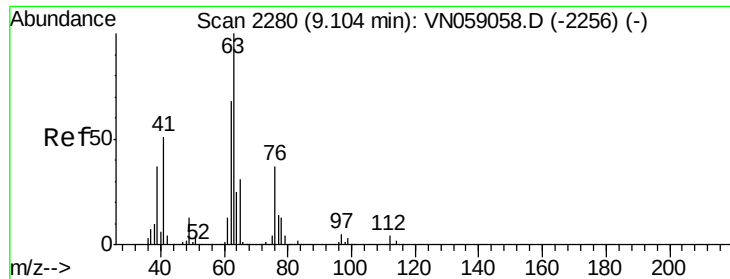
MMDadoda
11/6/2019 1:56:15 PM



#44
Trichloroethene
Concen: 51.527 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	207.6





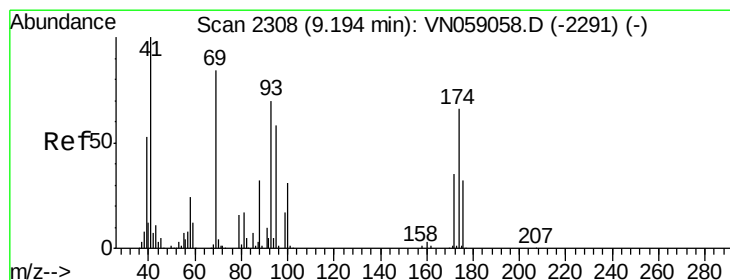
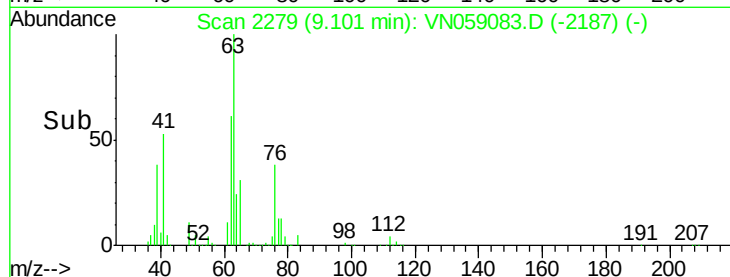
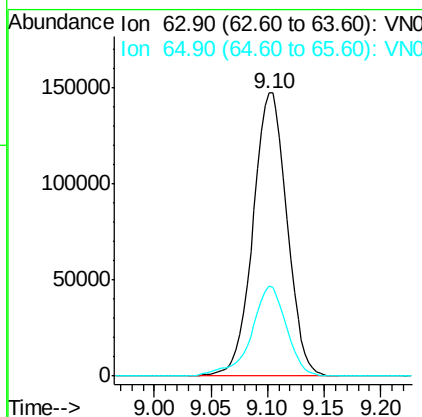
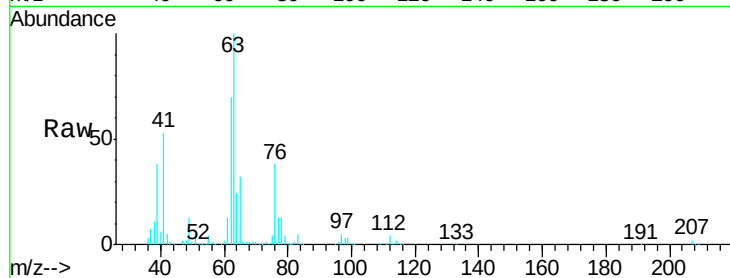
#45
 1,2-Dichloropropane
 Concen: 53.288 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 307891
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

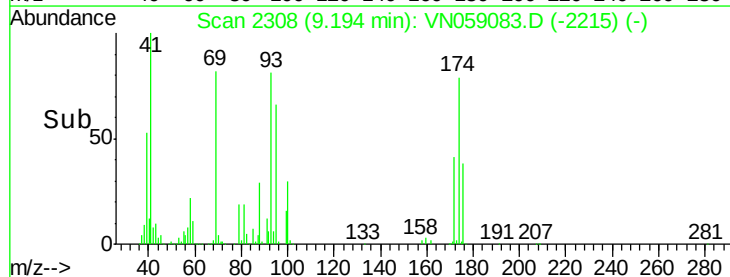
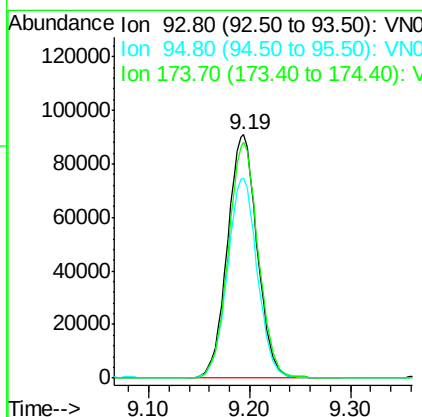
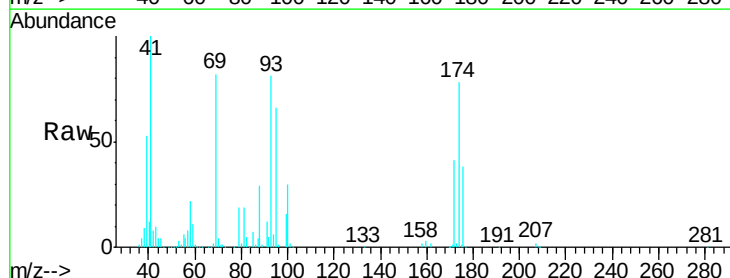
Manual Integrations
 APPROVED

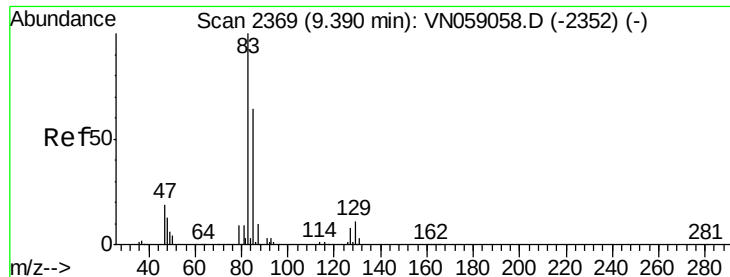
MMDadoda
 11/6/2019 1:56:15 PM



#46
 Dibromomethane
 Concen: 52.337 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 93 Resp: 186897
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.2 100.8
 174 96.9 78.3 117.5





#47

Bromodichloromethane

Concen: 53.213 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

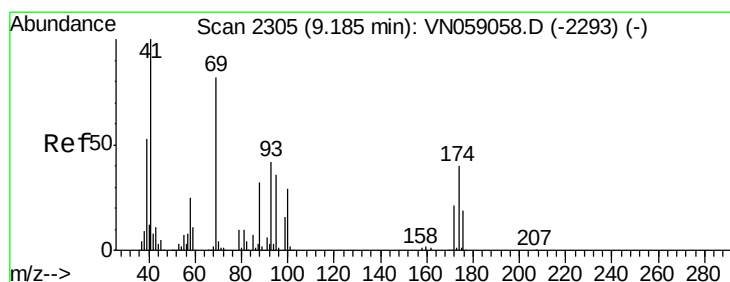
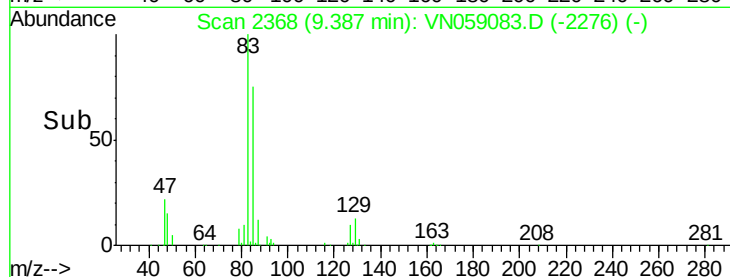
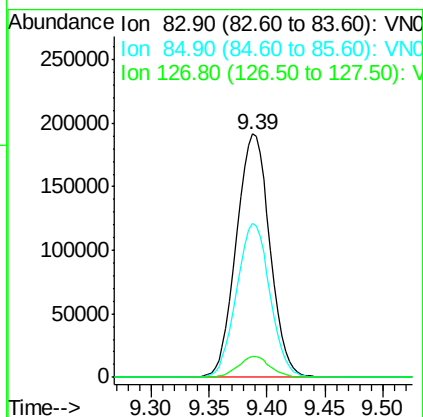
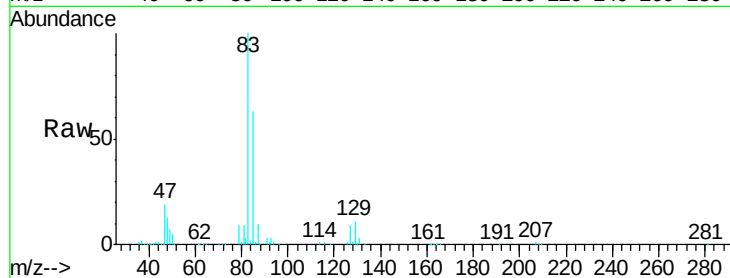
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	384841
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.2	76.8
127	8.5	6.5	9.7

Manual Integrations
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MMDadoda
11/6/2019 1:56:15 PM



#48

Methyl methacrylate

Concen: 52.185 ug/l

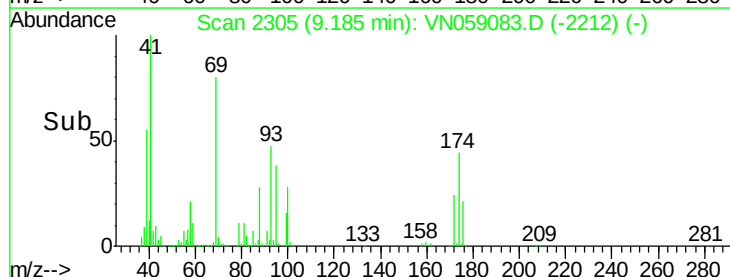
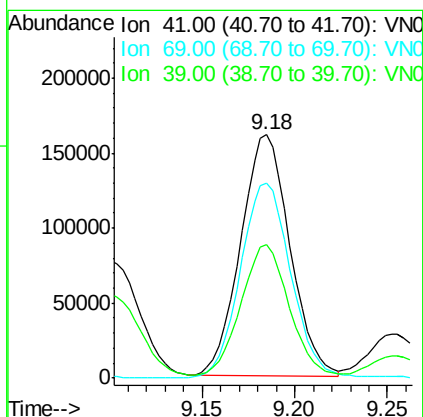
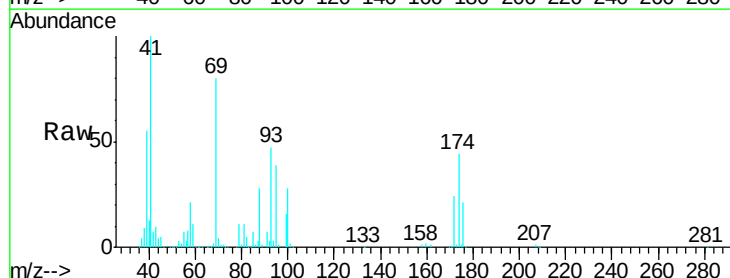
RT: 9.18 min Scan# 2305

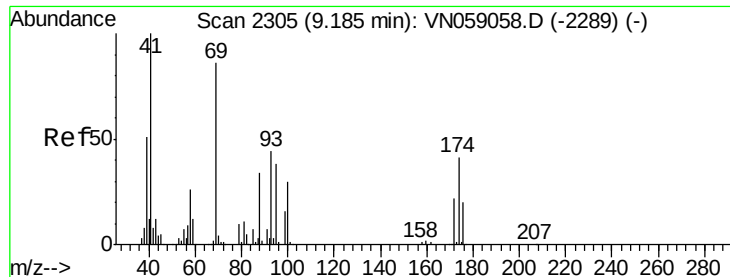
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	41	Resp:	297637
Ion Ratio	Lower	Upper	
41	100		
69	83.0	67.1	100.7
39	55.0	43.3	64.9





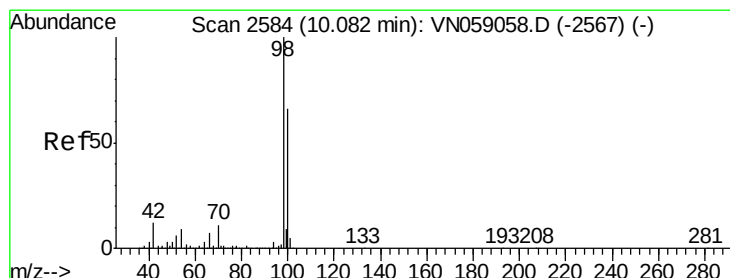
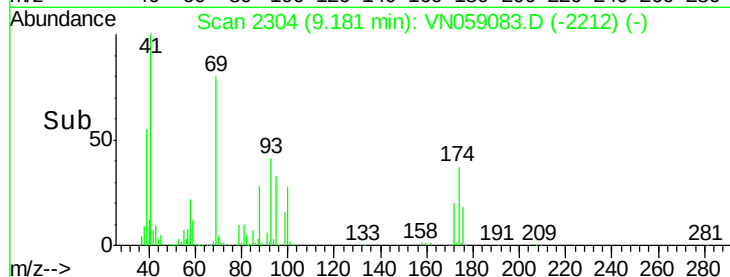
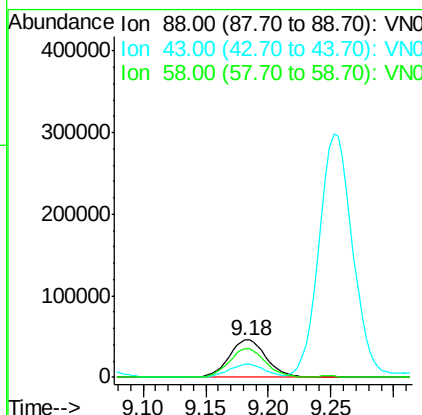
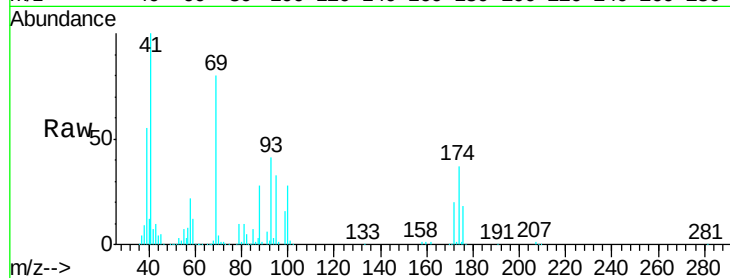
#49
1,4-Dioxane
Concen: 1018.668 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.2	39.2
58	75.5	59.1	88.7

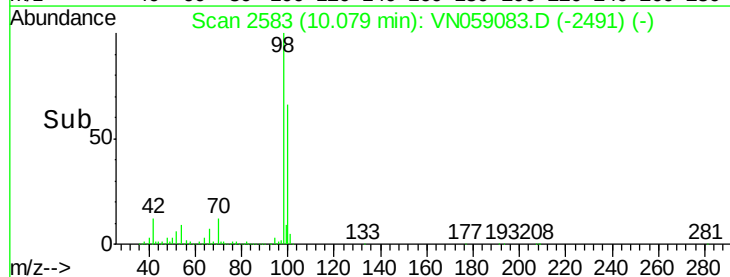
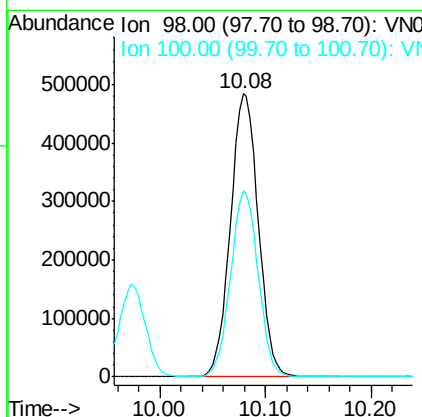
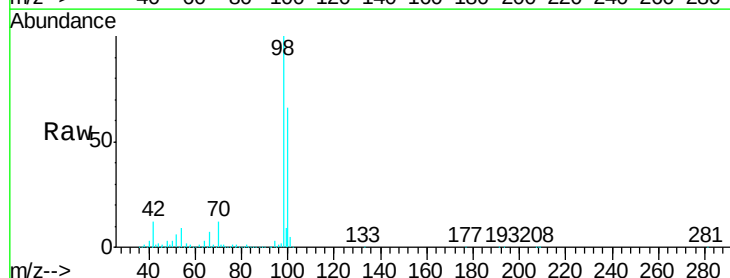
Manual Integrations
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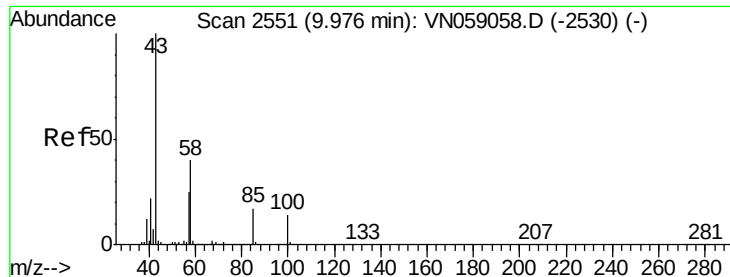
MMDadoda
11/6/2019 1:56:15 PM



#50
Toluene-d8
Concen: 48.606 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





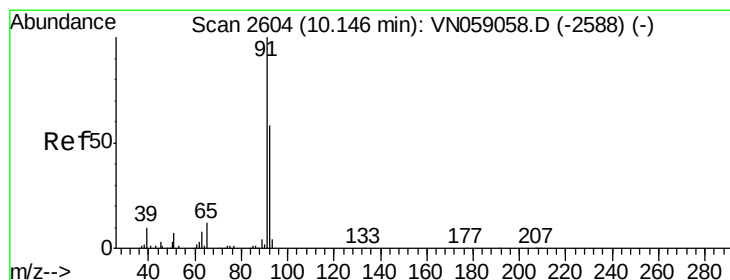
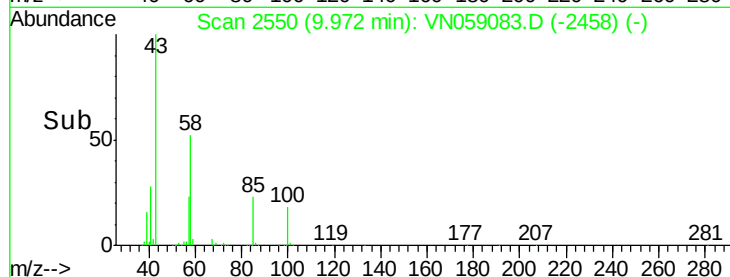
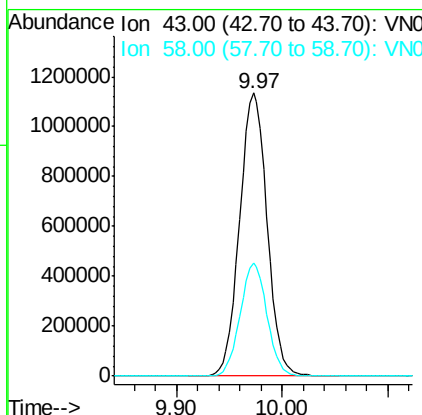
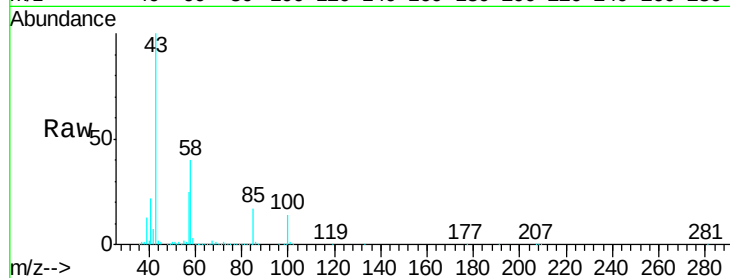
#51
 4-Methyl-2-Pentanone
 Concen: 281.948 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2048770
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.6

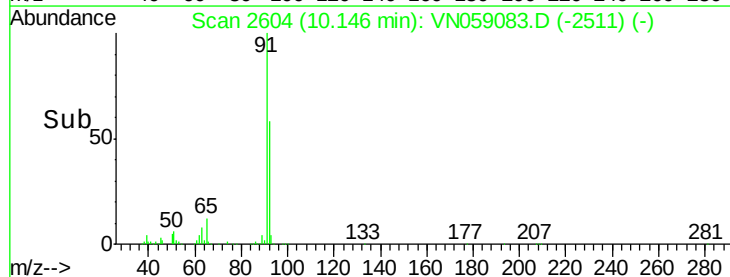
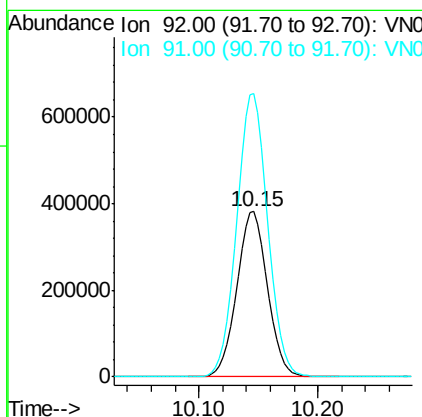
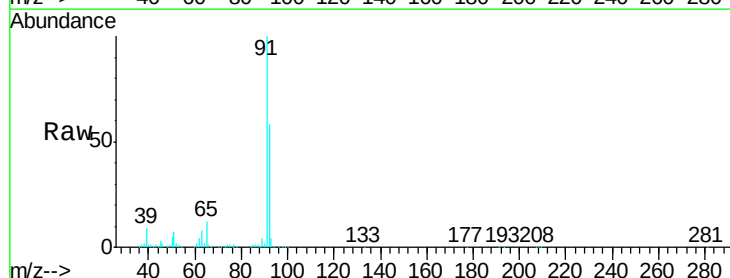
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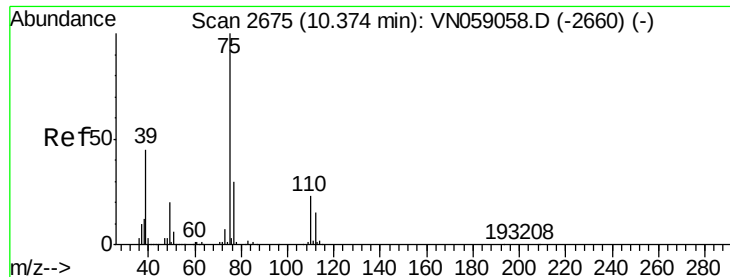
MMDadoda
 11/6/2019 1:56:15 PM



#52
 Toluene
 Concen: 54.296 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 92 Resp: 679688
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.7 208.1





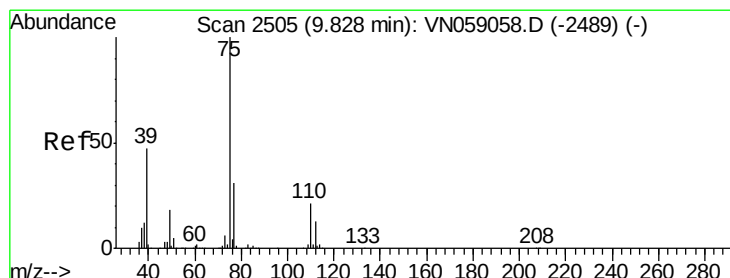
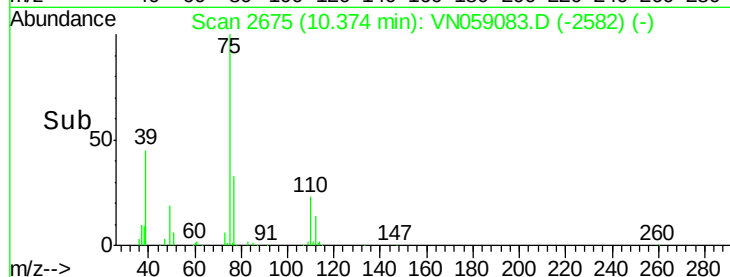
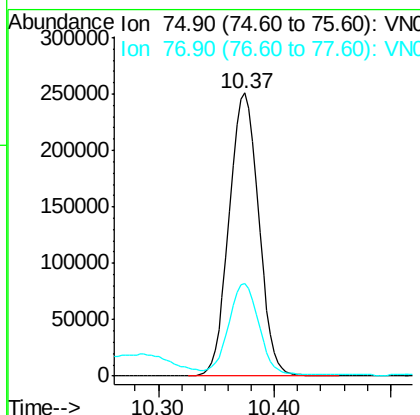
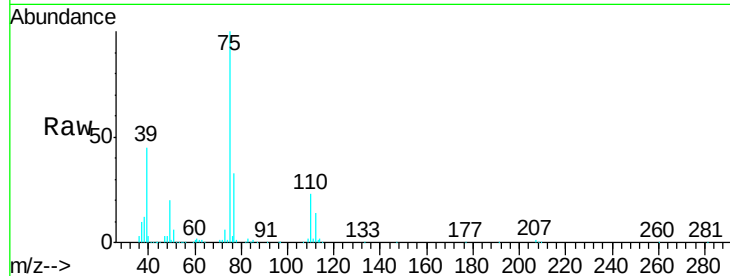
#53
t-1,3-Dichloropropene
Concen: 52.755 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 441173
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

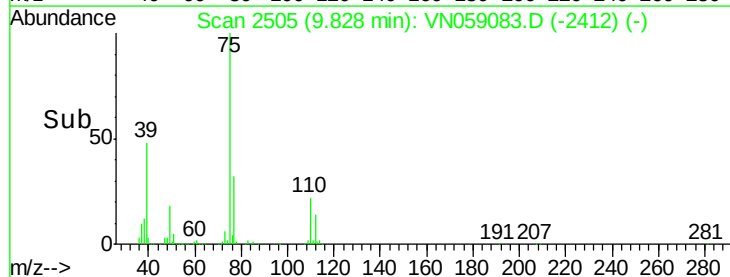
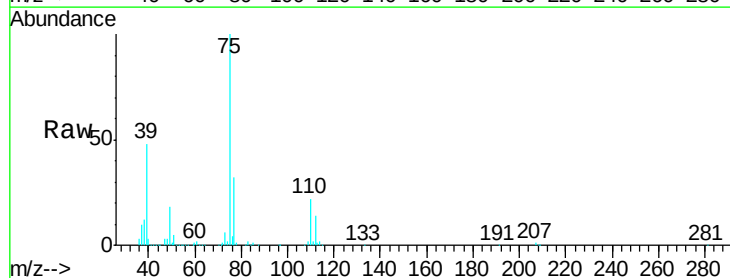
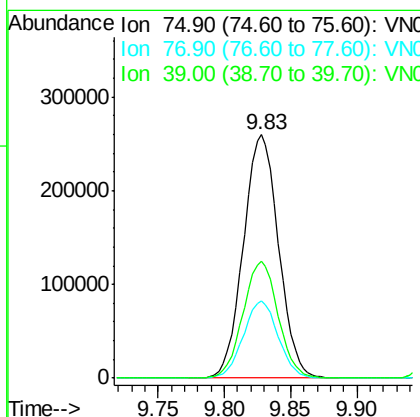
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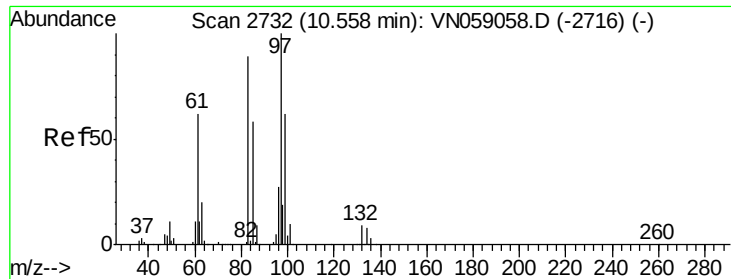
MMDadoda
11/6/2019 1:56:15 PM



#54
cis-1,3-Dichloropropene
Concen: 54.246 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 75 Resp: 478491
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0
39 47.8 37.4 56.2





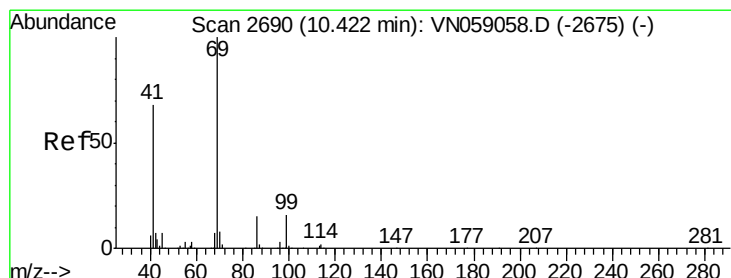
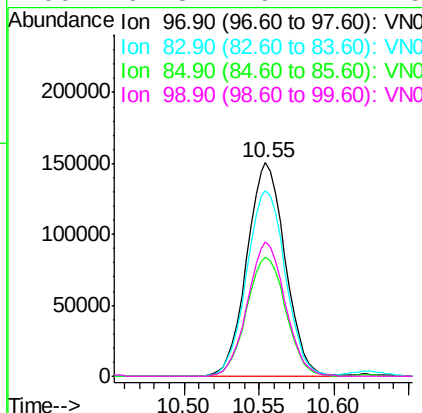
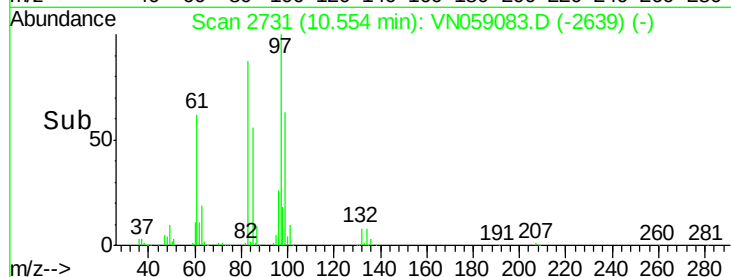
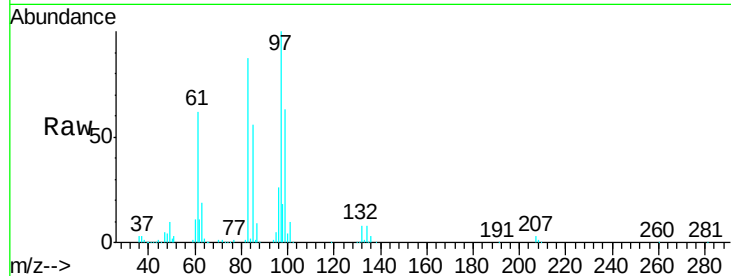
#55
 1,1,2-Trichloroethane
 Concen: 52.635 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.4	107.2
85	55.8	46.6	70.0
99	62.8	49.7	74.5

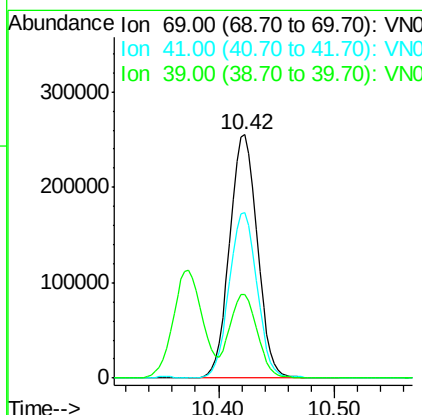
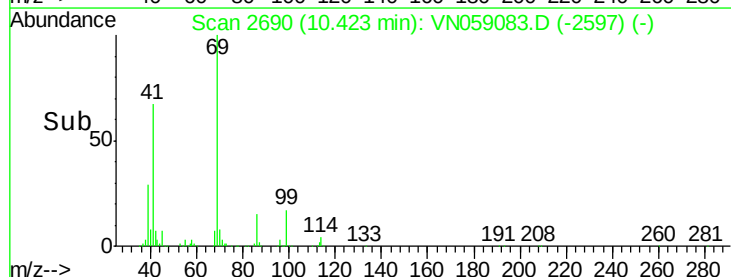
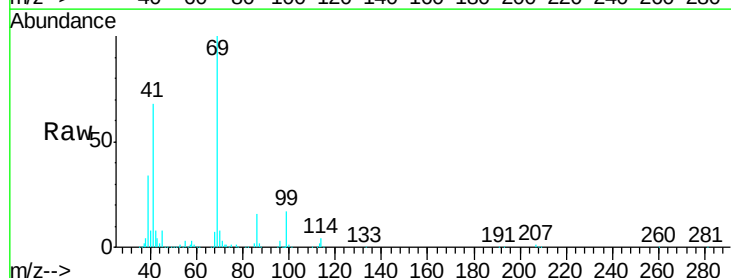
Manual Integrations
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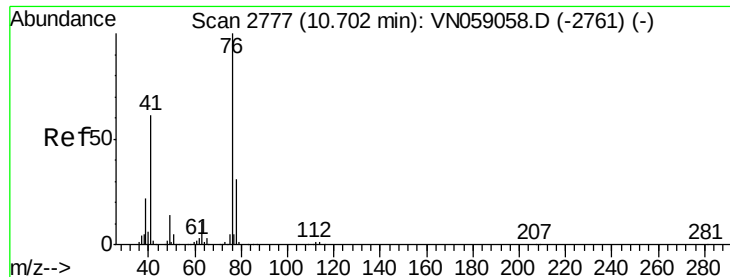
MMDadoda
 11/6/2019 1:56:15 PM



#56
 Ethyl methacrylate
 Concen: 48.978 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.8	80.8
39	33.8	26.2	39.2





#57

1,3-Dichloropropane

Concen: 53.077 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 470713

Ion Ratio Lower Upper

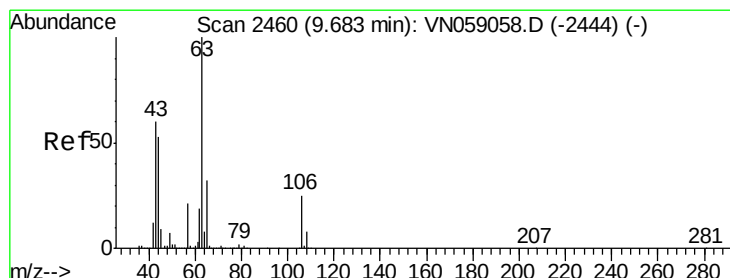
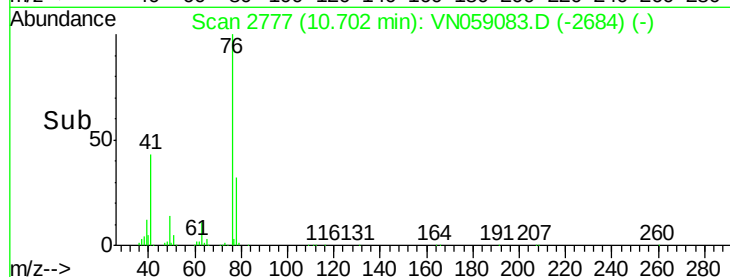
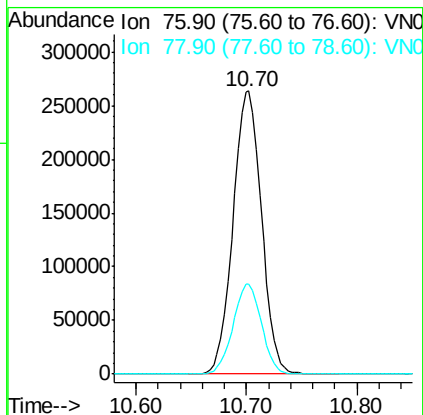
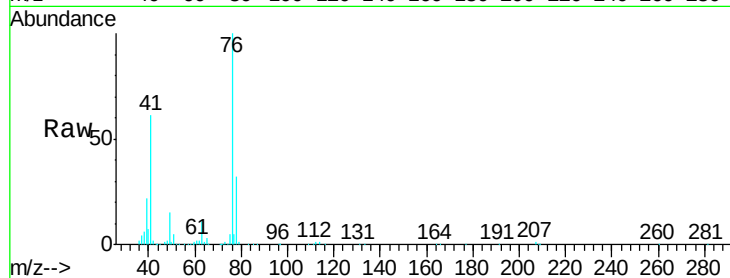
76 100

78 31.9 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

11/6/2019 1:56:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 250.694 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059083.D

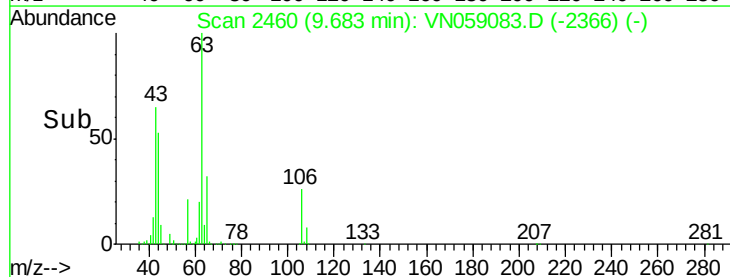
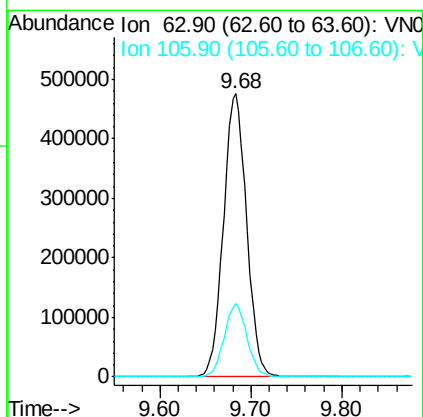
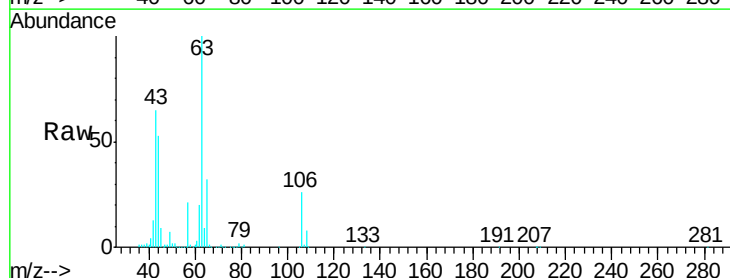
Acq: 5 Nov 2019 10:17

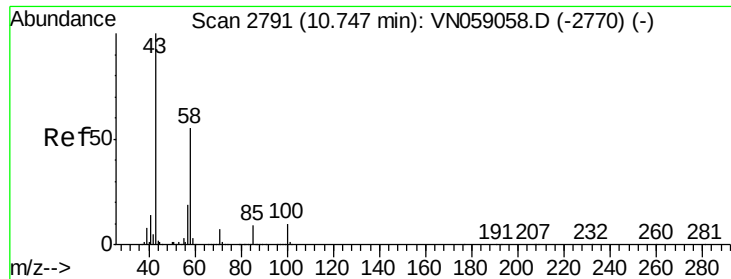
Tgt Ion: 63 Resp: 841442

Ion Ratio Lower Upper

63 100

106 25.3 19.8 29.6





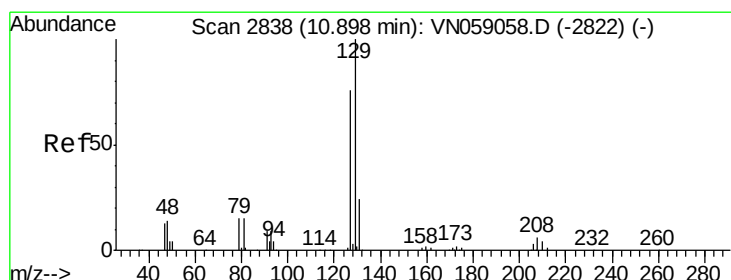
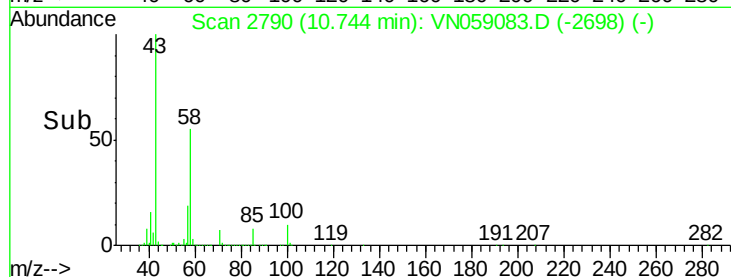
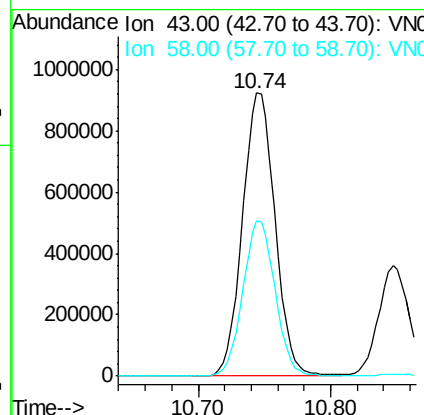
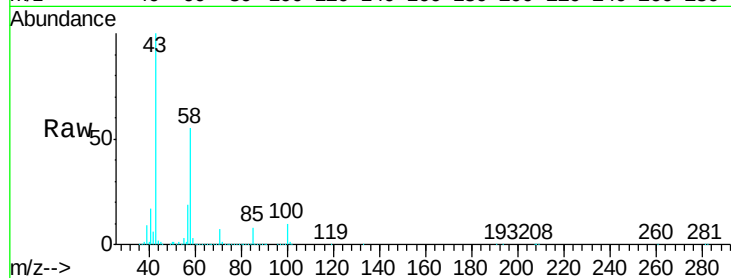
#59
2-Hexanone
Concen: 284.429 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1570143
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2

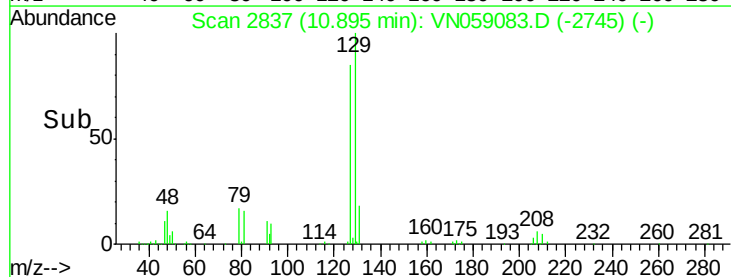
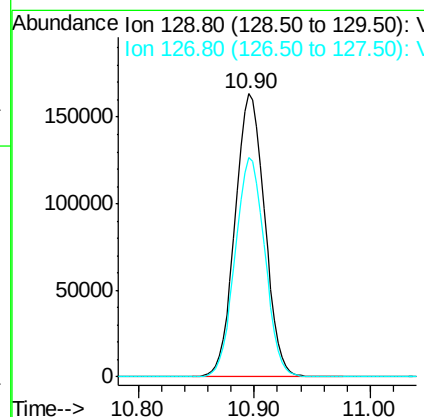
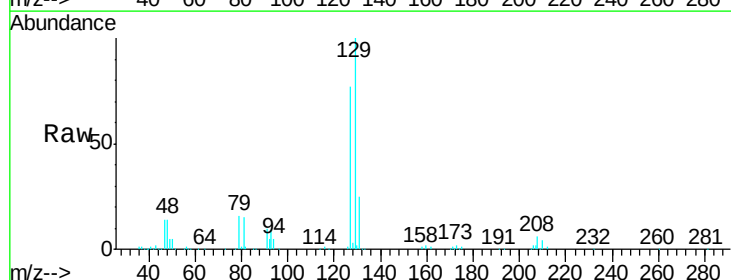
Manual Integrations
APPROVED

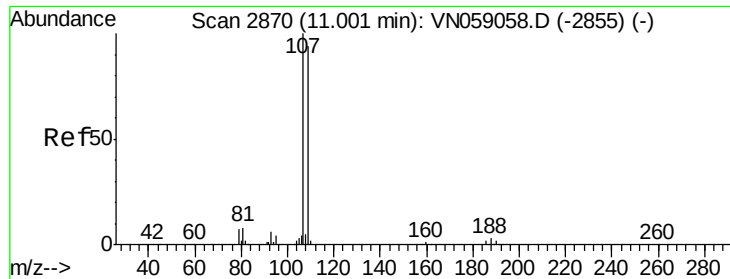
MMDadoda
11/6/2019 1:56:15 PM



#60
Dibromochloromethane
Concen: 52.743 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 129 Resp: 289856
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





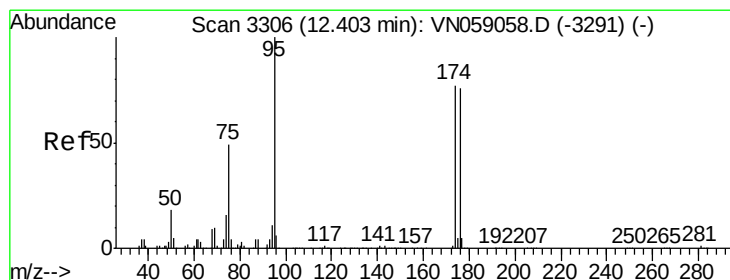
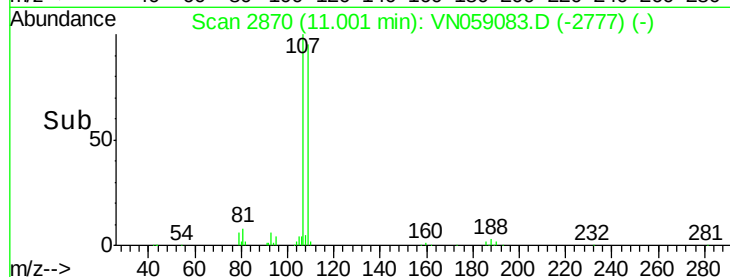
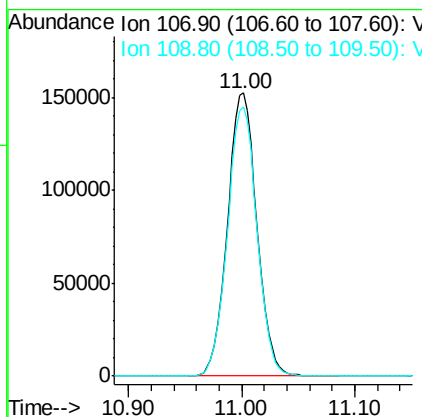
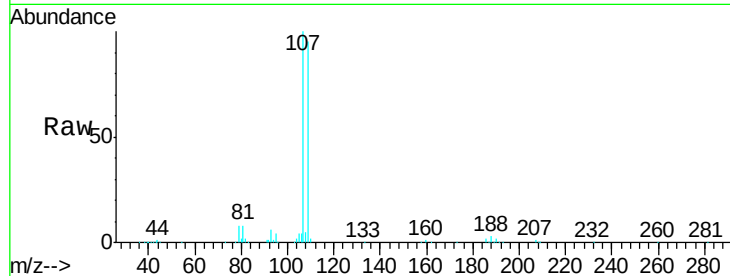
#61
 1,2-Dibromoethane
 Concen: 53.186 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	274760		
109	95.9	75.5	113.3	

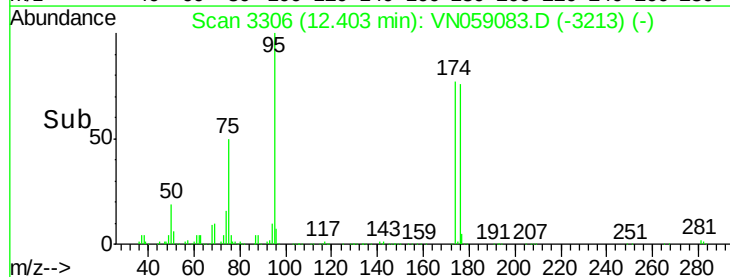
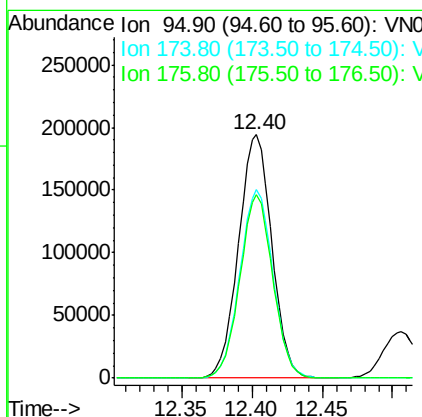
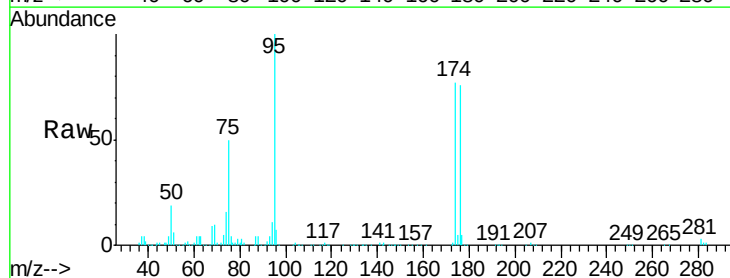
Manual Integrations
 APPROVED

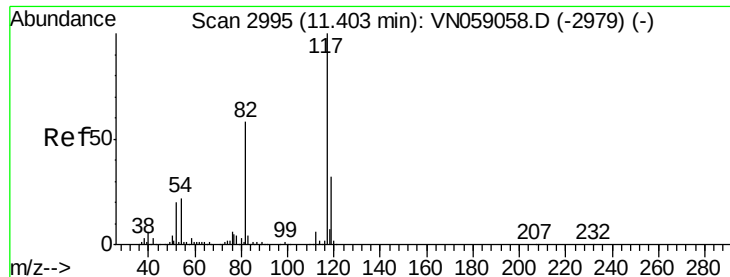
MMDadoda
 11/6/2019 1:56:15 PM



#62
 4-Bromofluorobenzene
 Concen: 49.164 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	321518		
174	77.3	0.0	155.8	
176	74.5	0.0	151.6	





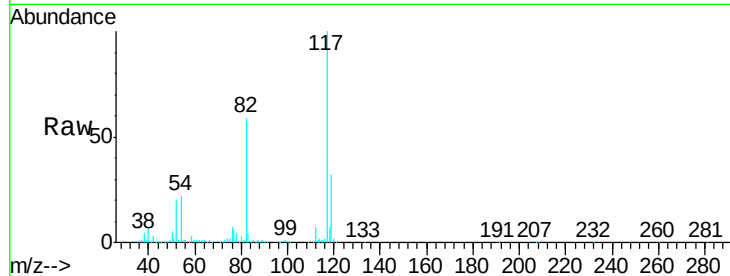
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	662751		
82	58.6	46.0	69.0	
119	32.2	25.6	38.4	

Manual Integrations
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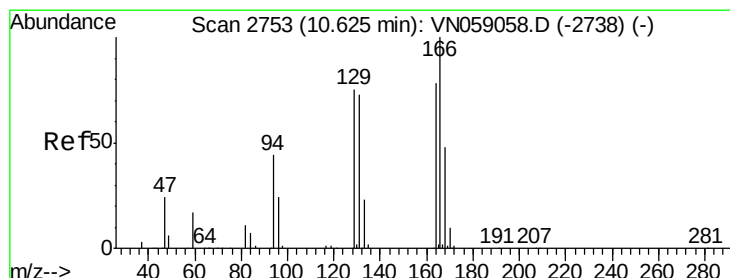
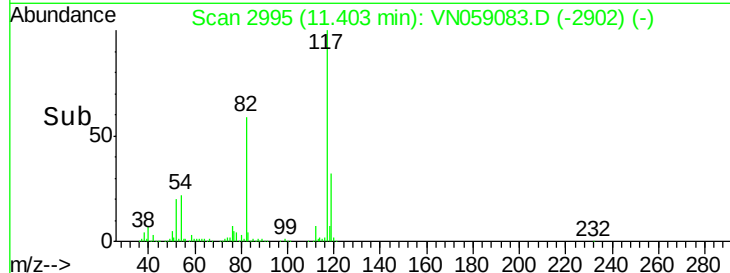
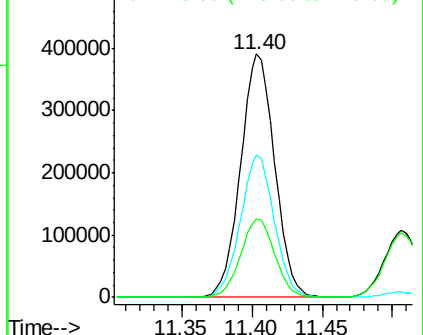


Abundance

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: 52.806 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244473		
166	128.9	102.7	154.1	
129	96.1	77.3	115.9	
131	93.3	74.8	112.2	

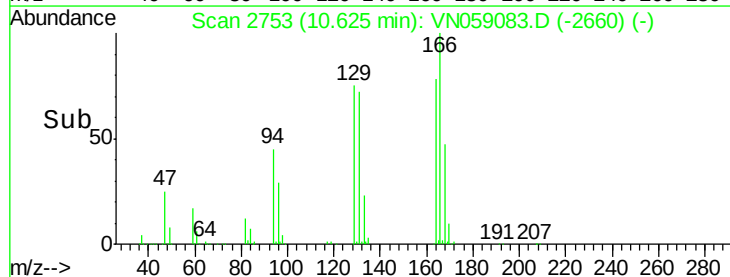
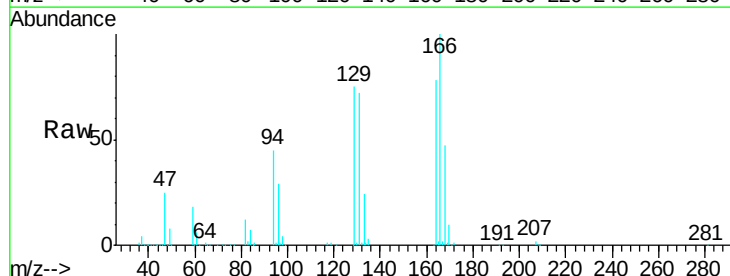
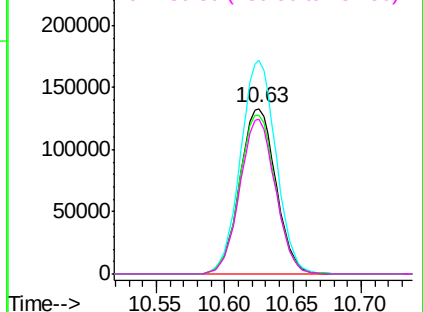
Abundance

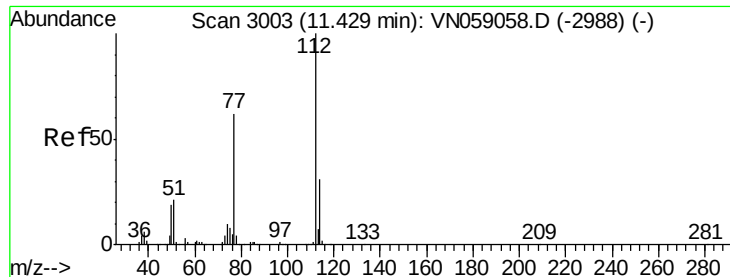
Ion 163.80 (163.50 to 164.50): V

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





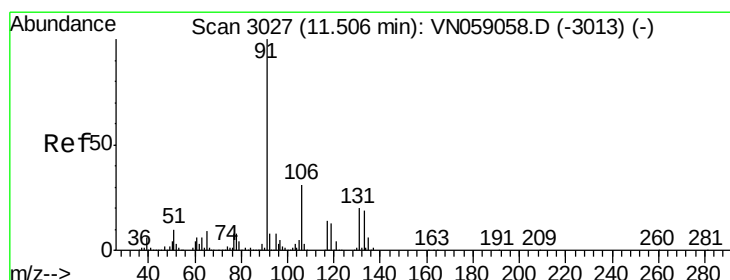
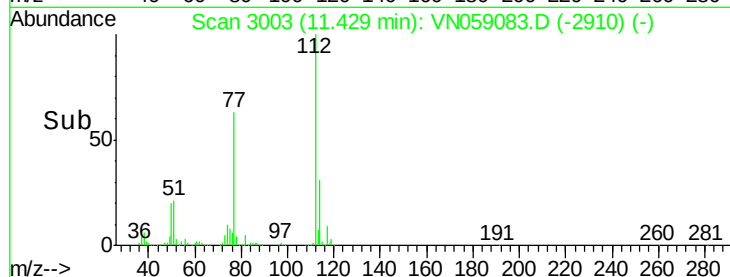
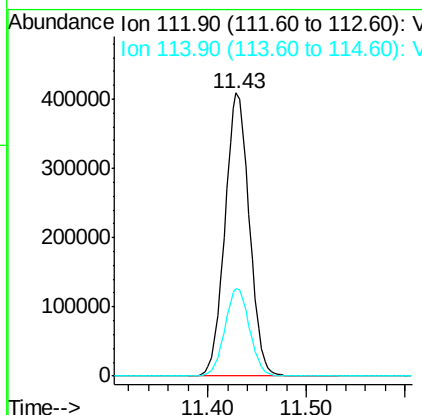
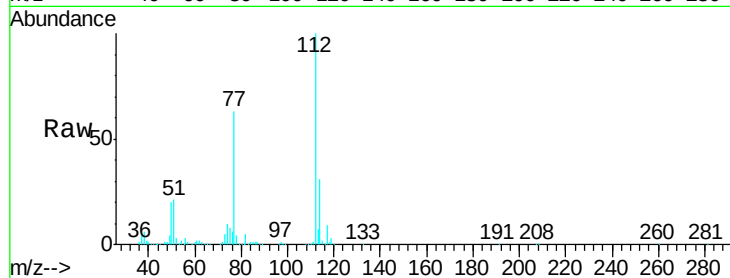
#65
Chlorobenzene
Concen: 52.057 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 708100
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

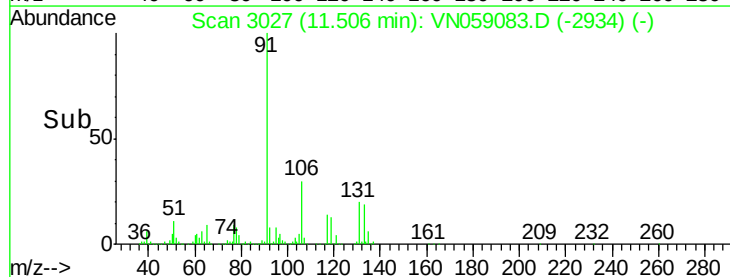
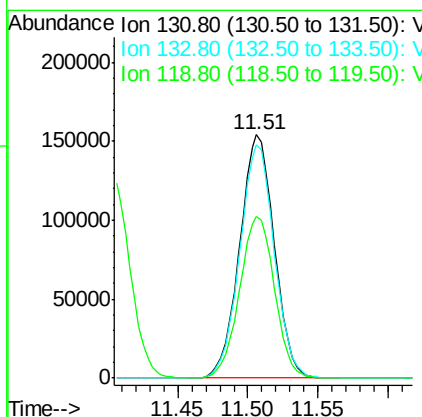
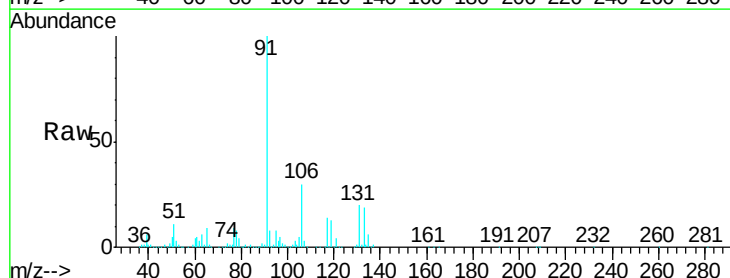
Manual Integrations
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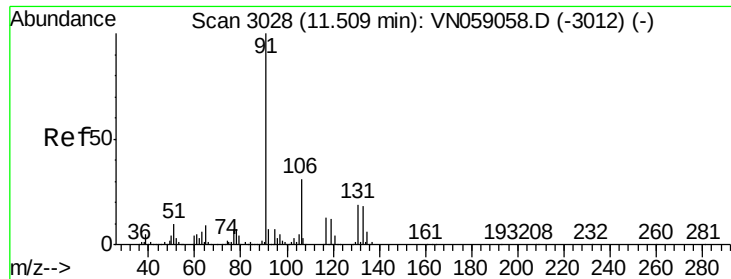
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.988 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:131 Resp: 265176
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 66.7 33.5 100.5





#67

Ethyl Benzene

Concen: 55.359 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1303536

Ion Ratio Lower Upper

91 100

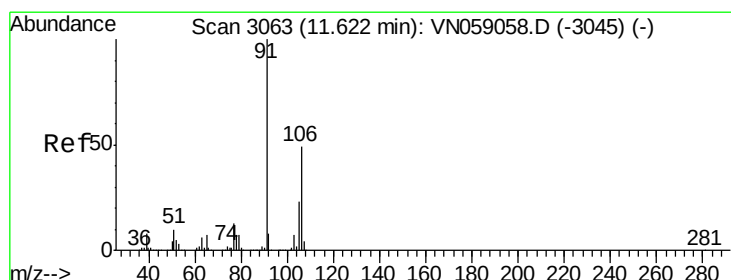
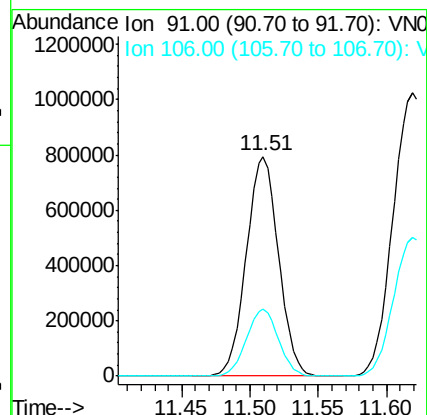
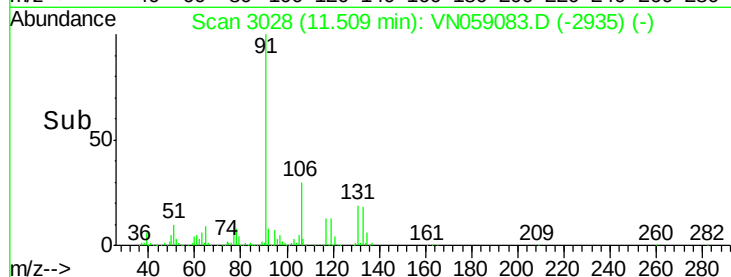
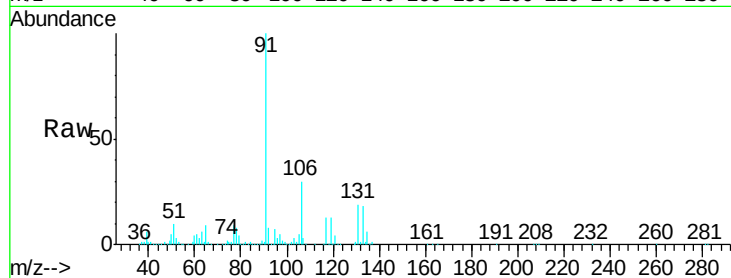
106 30.3 24.6 36.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 110.513 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059083.D

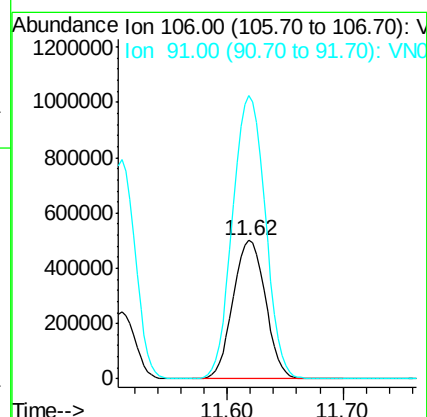
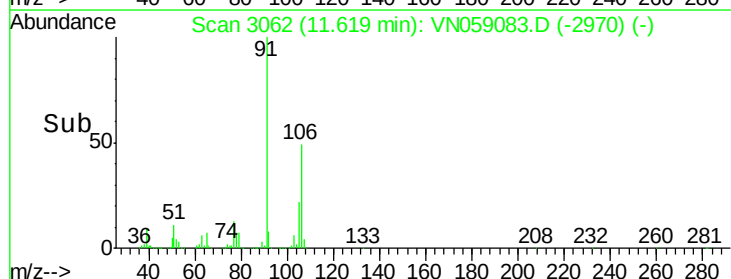
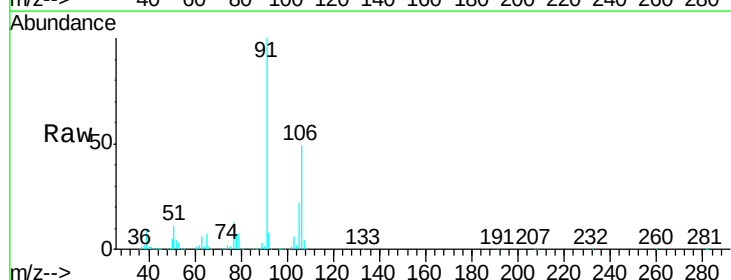
Acq: 5 Nov 2019 10:17

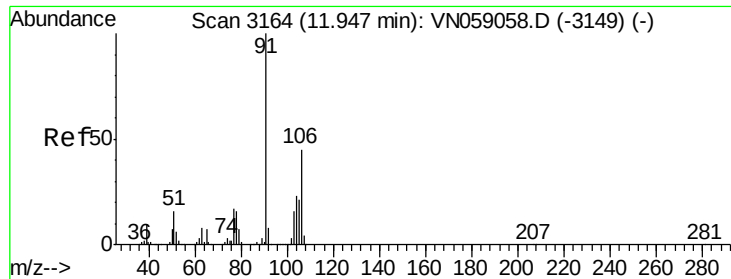
Tgt Ion: 106 Resp: 971714

Ion Ratio Lower Upper

106 100

91 206.2 165.7 248.5





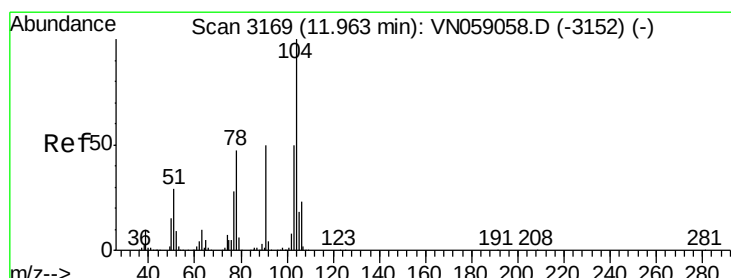
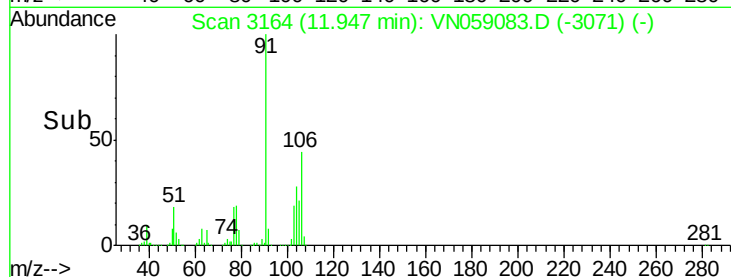
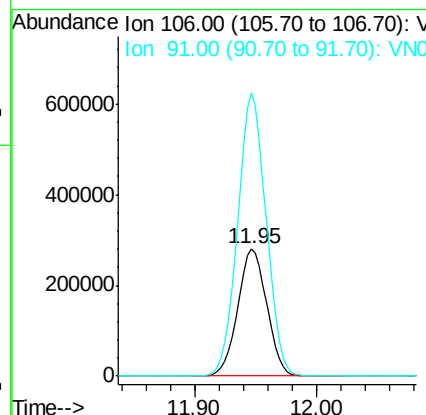
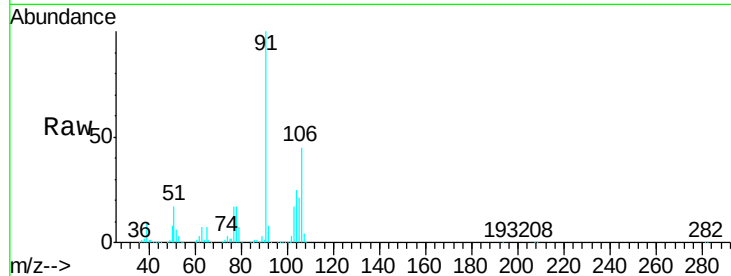
#69
o-Xylene
Concen: 55.074 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 462414
Ion Ratio Lower Upper
106 100
91 218.1 110.4 331.2

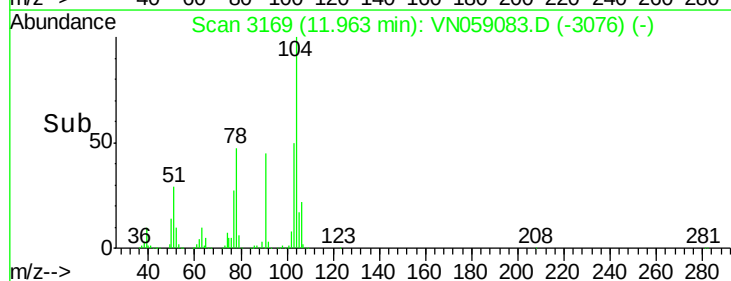
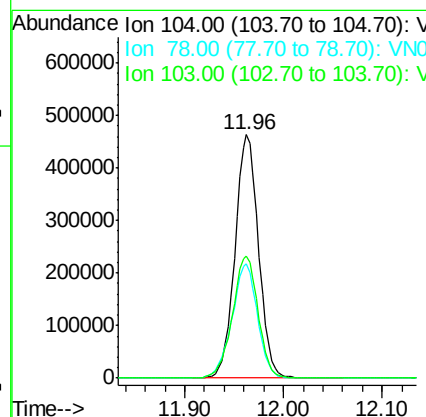
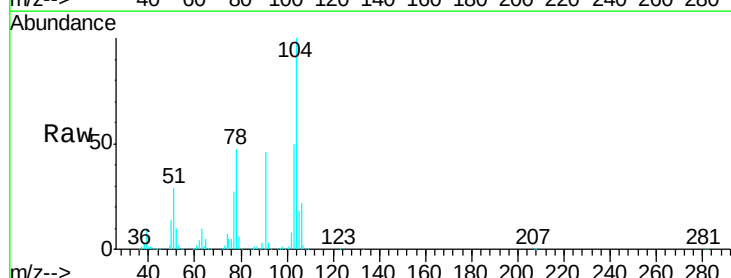
Manual Integrations
APPROVED

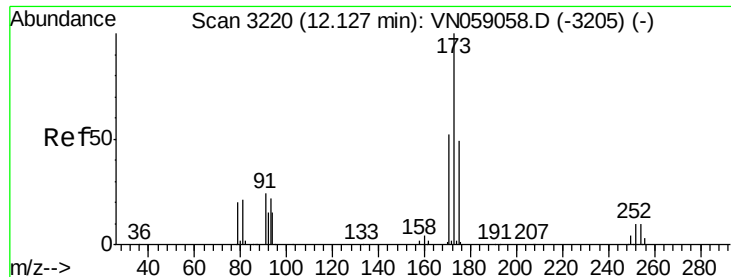
MMDadoda
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#70
Styrene
Concen: 56.617 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:104 Resp: 770337
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 54.5 43.9 65.9





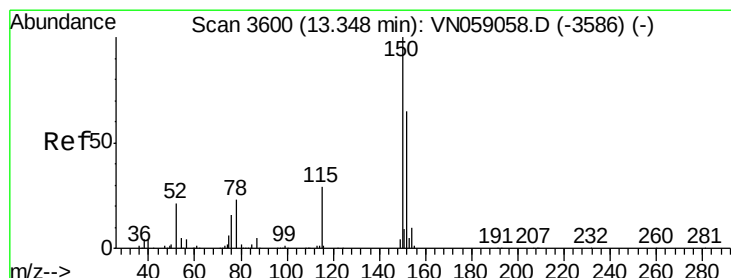
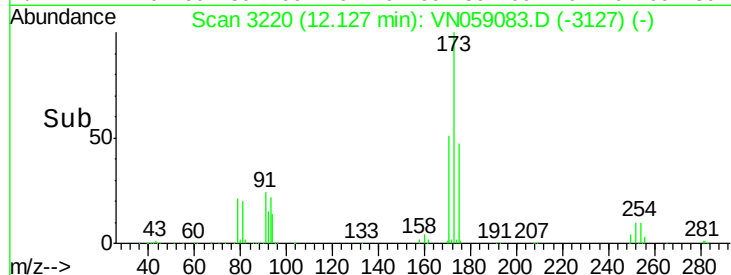
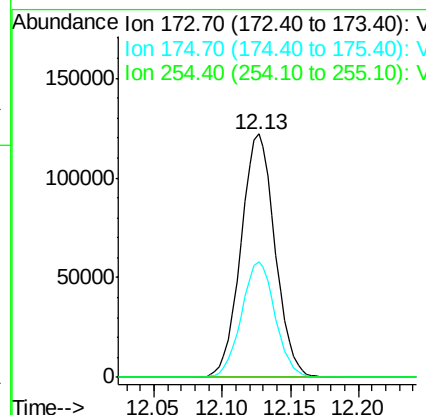
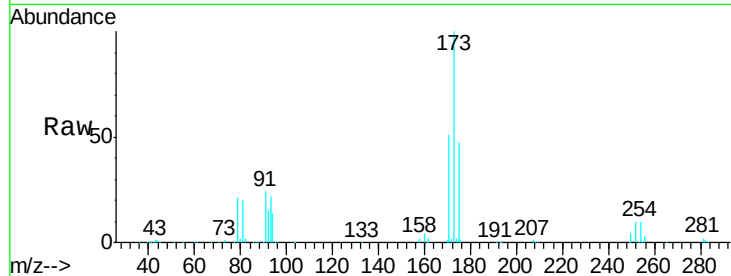
#71
Bromoform
Concen: 54.557 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.4	73.2
254	0.1	0.1	0.1#

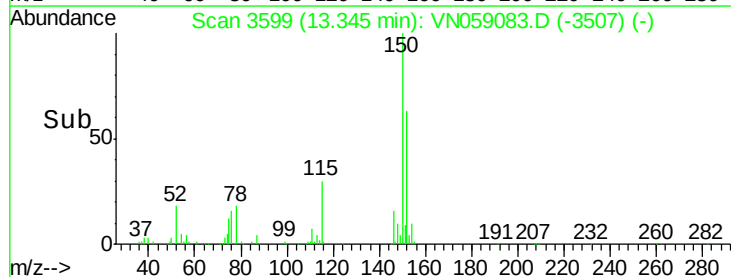
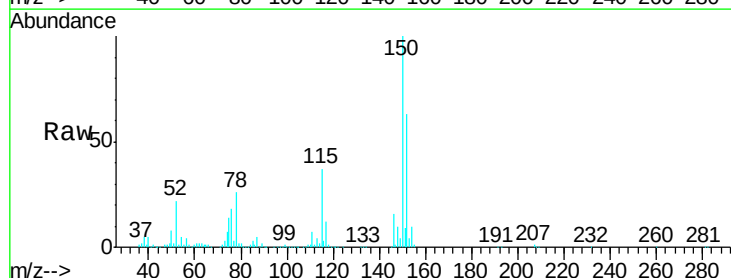
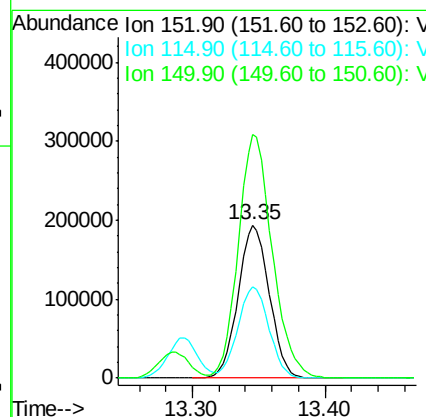
Manual Integrations
APPROVED

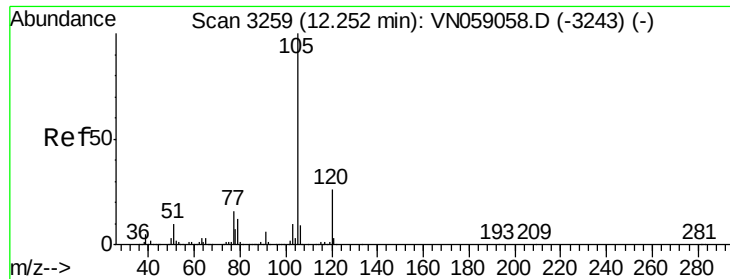
MMDadoda
11/6/2019 1:56:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.6	88.9
150	173.2	0.0	345.8





#73

Isopropylbenzene

Concen: 53.877 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1250599

Ion Ratio Lower Upper

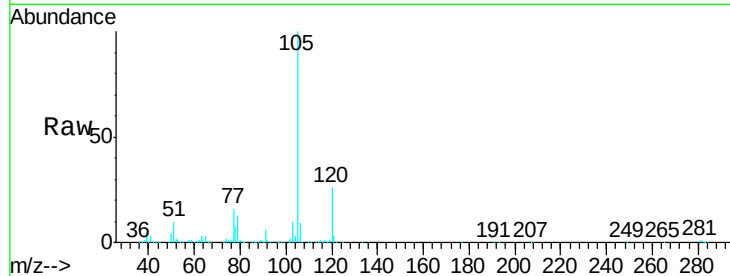
105 100

120 26.2 13.1 39.1

Manual Integrations
APPROVED

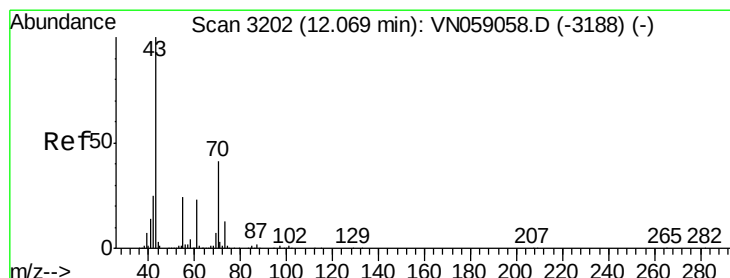
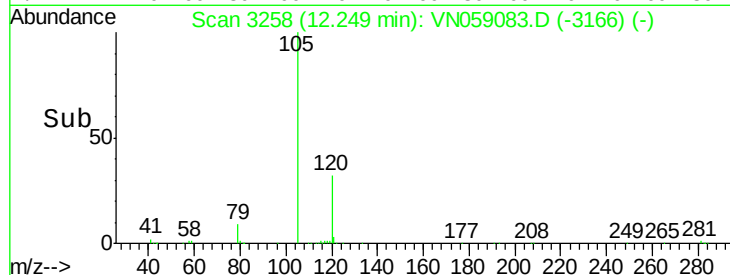
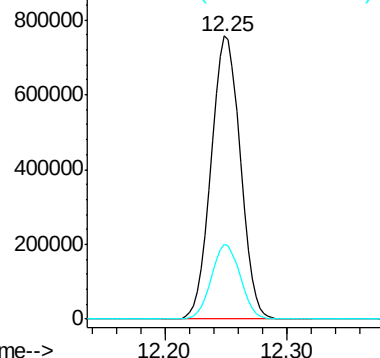
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion: 43 Resp: 543164

Ion Ratio Lower Upper

43 100

70 41.2 32.6 49.0

55 25.2 19.7 29.5

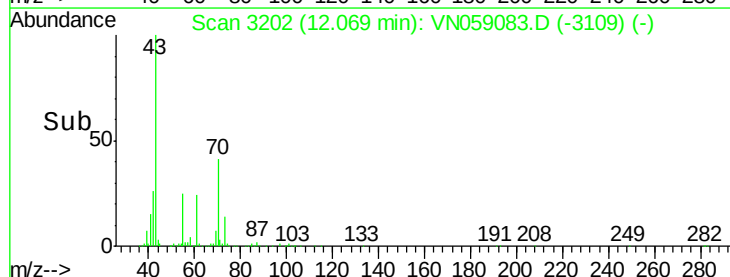
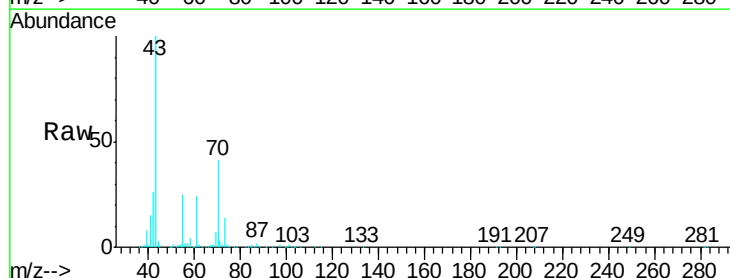
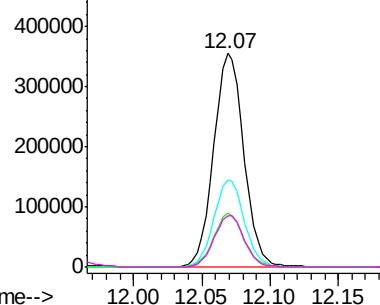
61 24.1 19.0 28.6

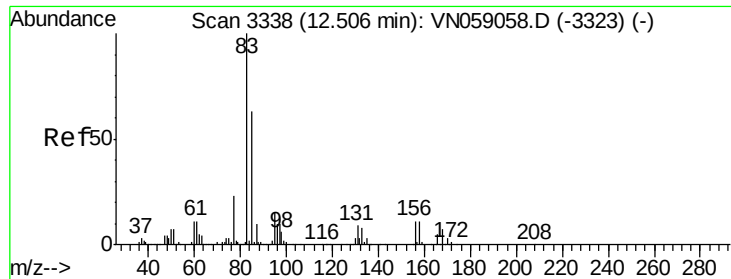
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.503 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

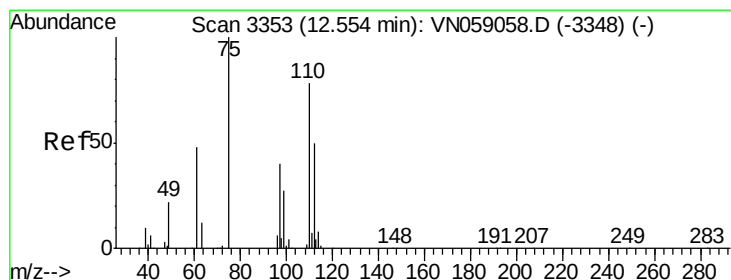
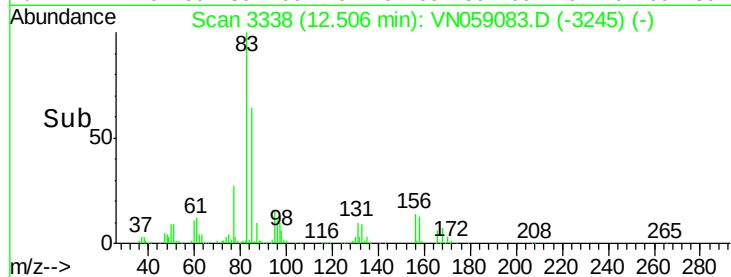
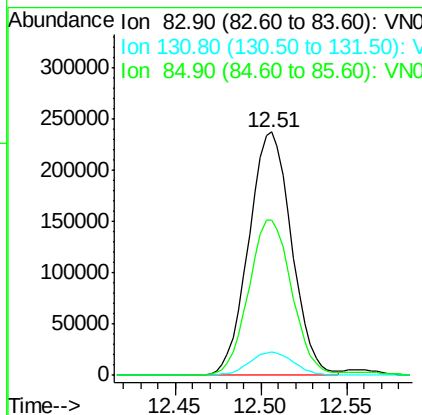
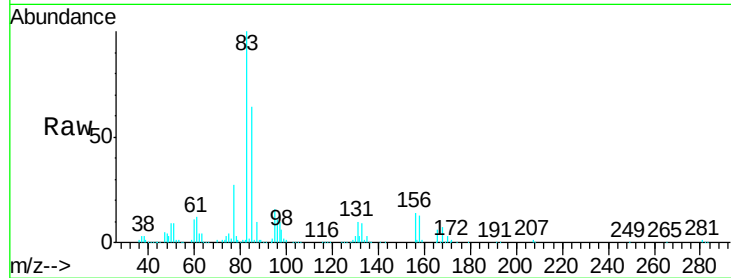
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	409325
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.099 ug/l m

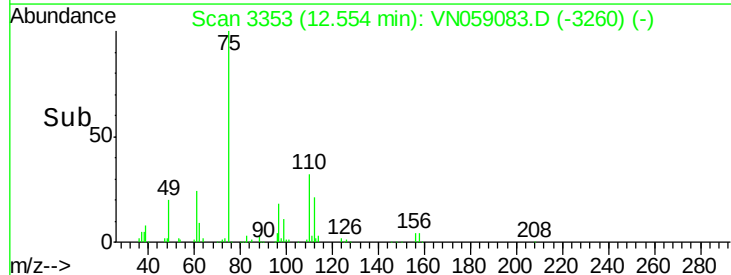
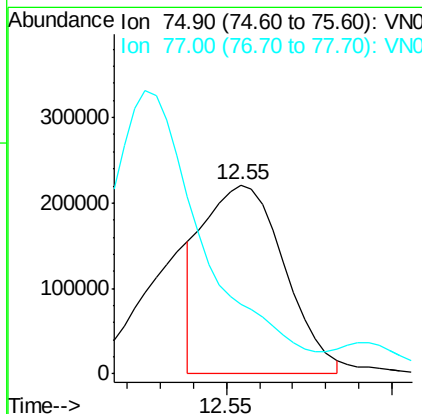
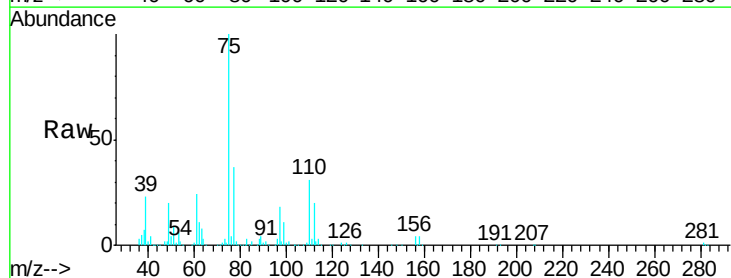
RT: 12.55 min Scan# 3353

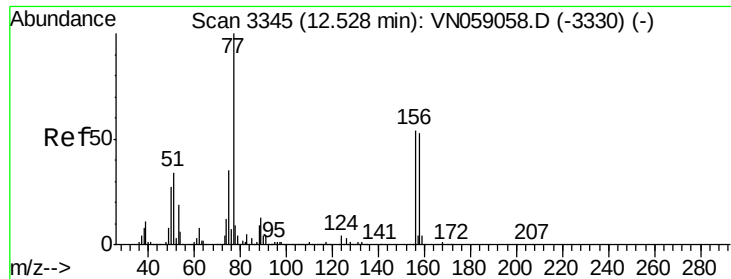
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	75	Resp:	374069
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.020 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

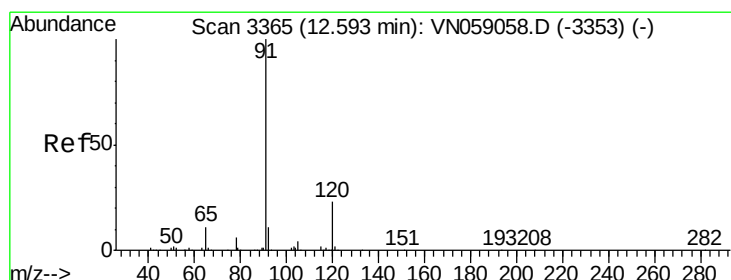
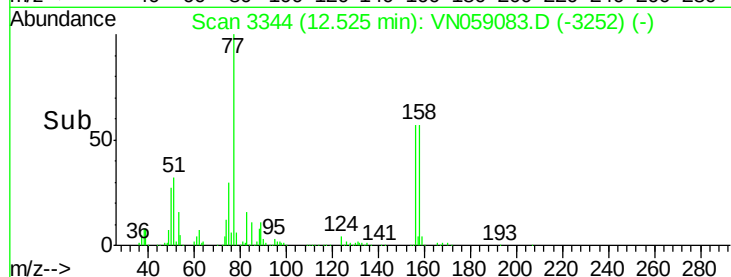
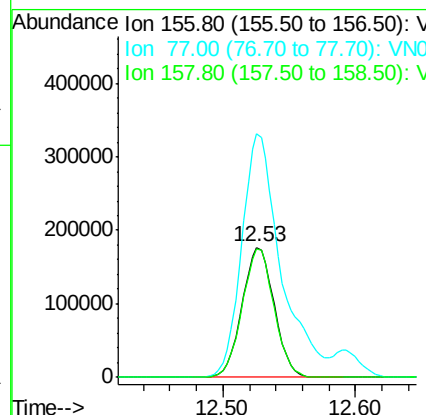
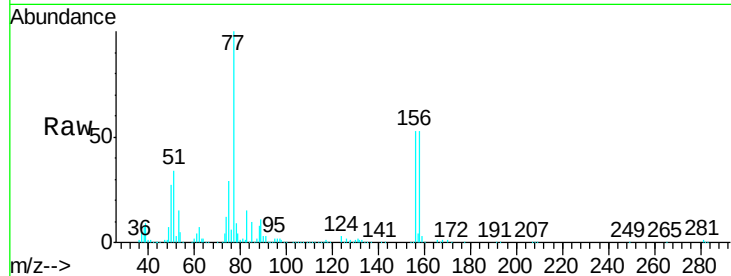
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	296120
Ion Ratio	Lower	Upper	
156	100		
77	228.8	114.2	342.6
158	98.2	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 54.614 ug/l

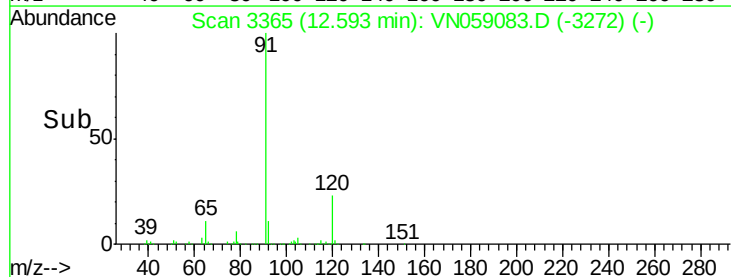
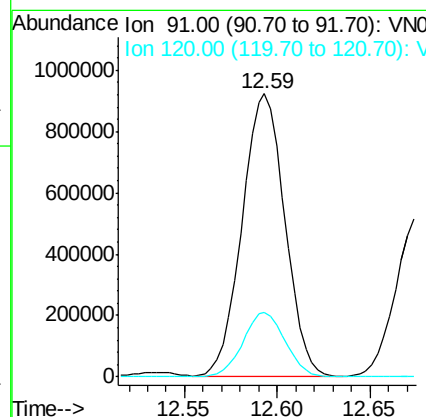
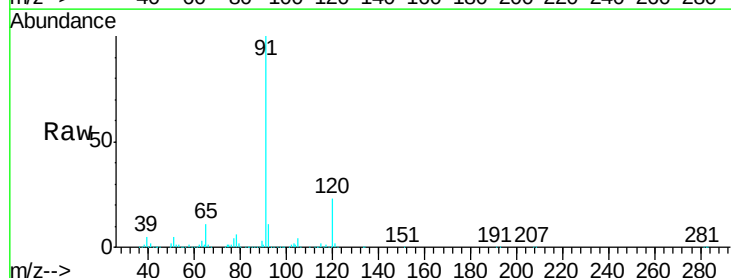
RT: 12.59 min Scan# 3365

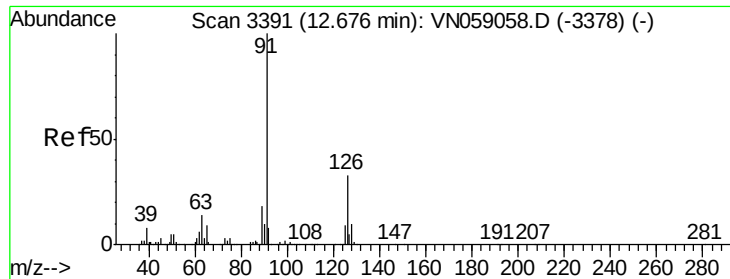
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	91	Resp:	1468259
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 52.492 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 876278

Ion Ratio Lower Upper

91 100

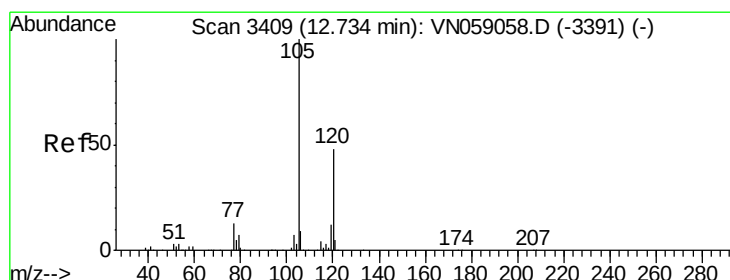
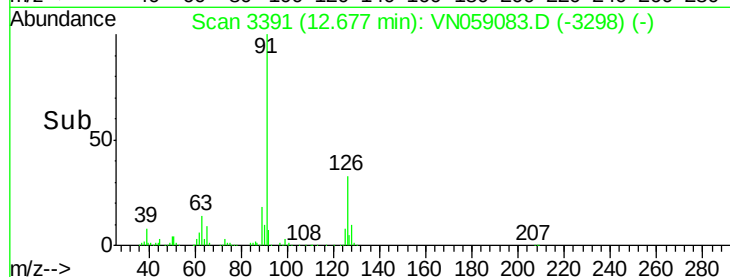
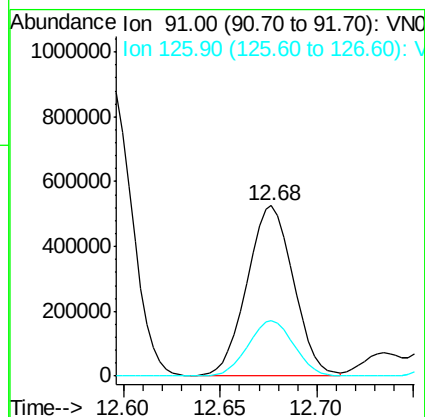
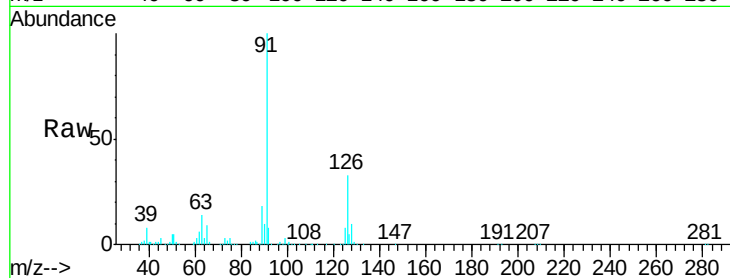
126 32.6 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.054 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059083.D

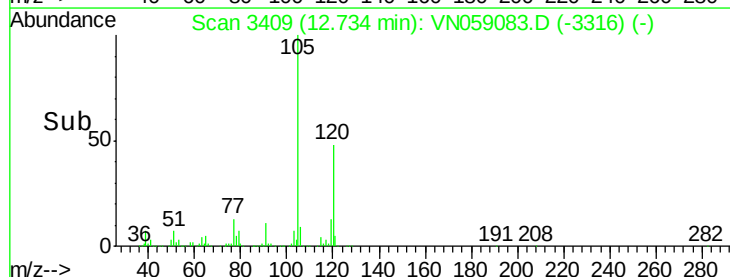
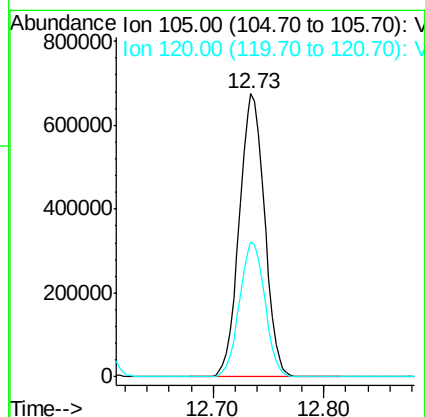
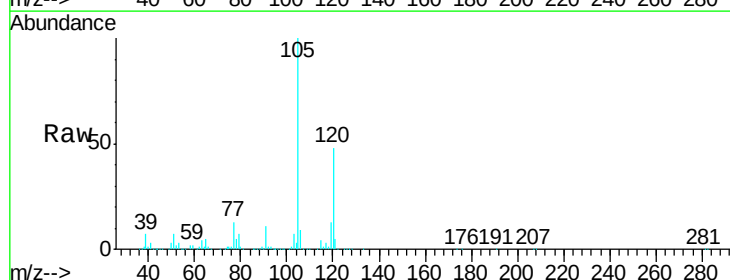
Acq: 5 Nov 2019 10:17

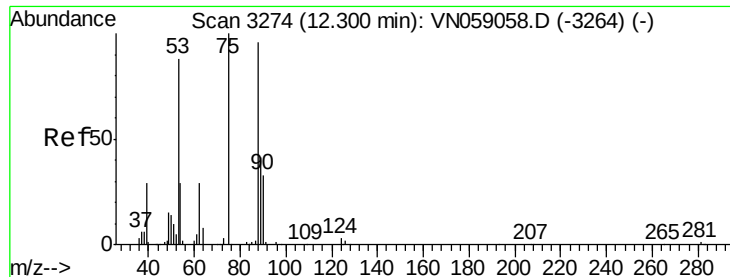
Tgt Ion: 105 Resp: 1066371

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.510 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

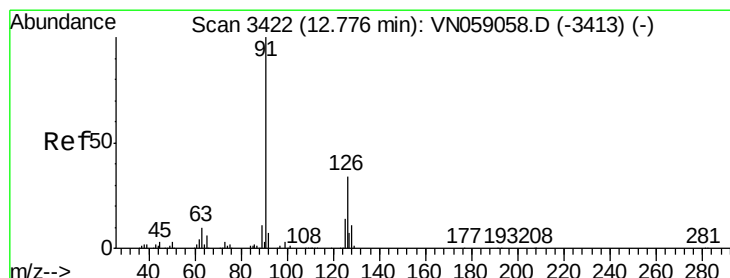
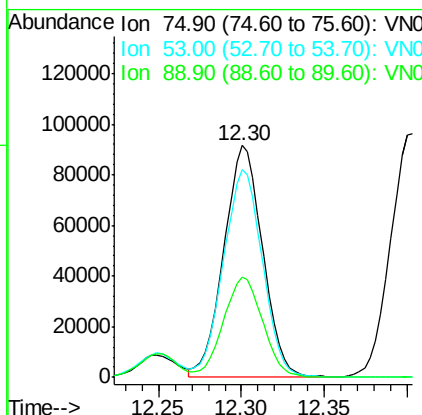
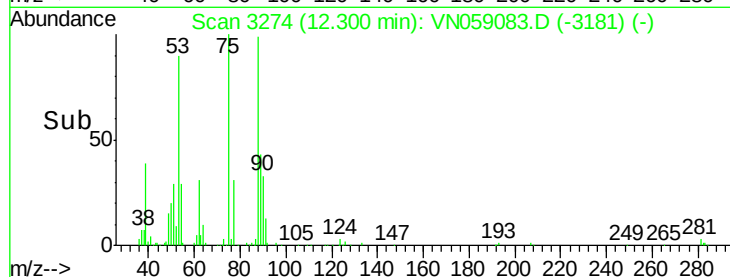
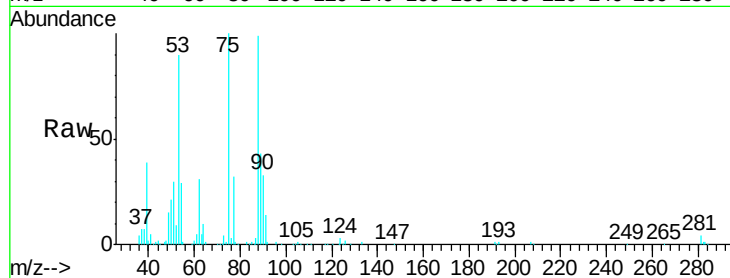
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	147118
Ion Ratio	Lower	Upper	
75	100		
53	92.2	70.4	105.6
89	44.3	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.434 ug/l

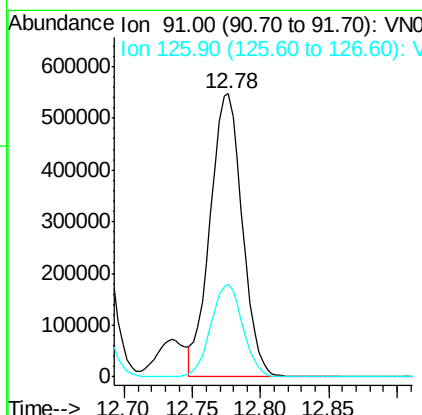
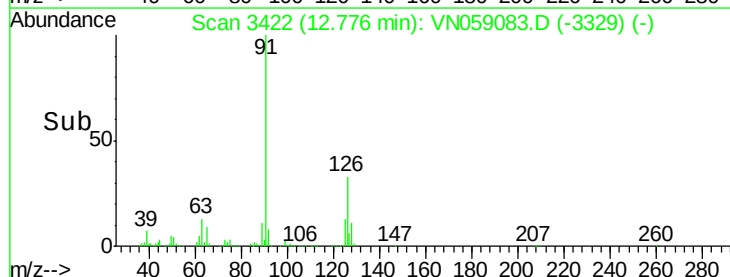
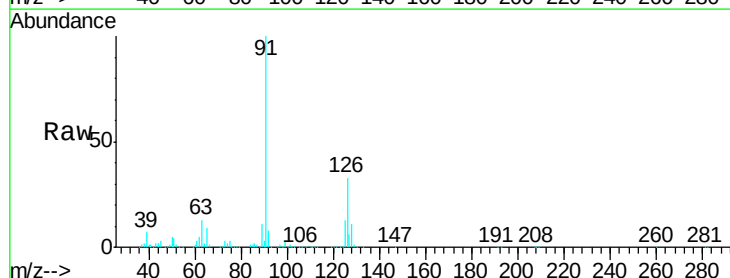
RT: 12.78 min Scan# 3422

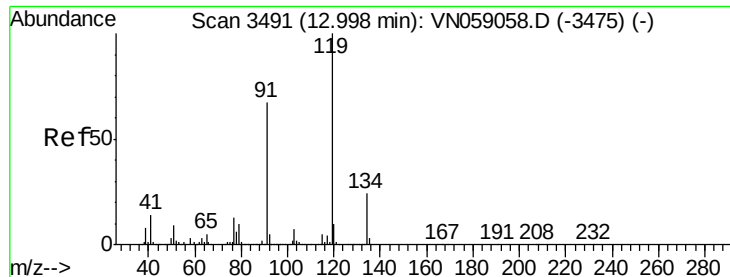
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	91	Resp:	893307
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.0	47.9





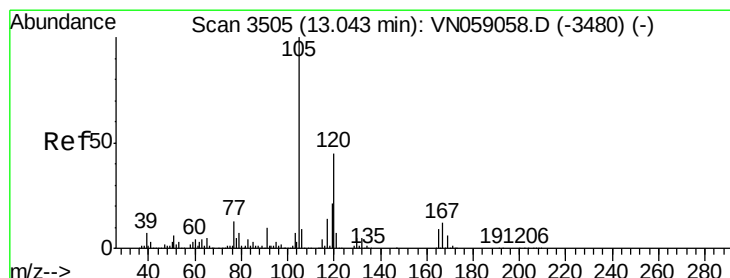
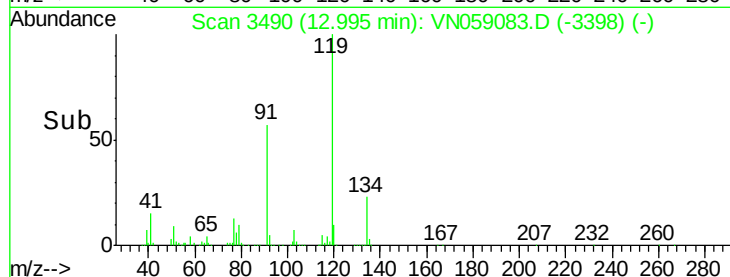
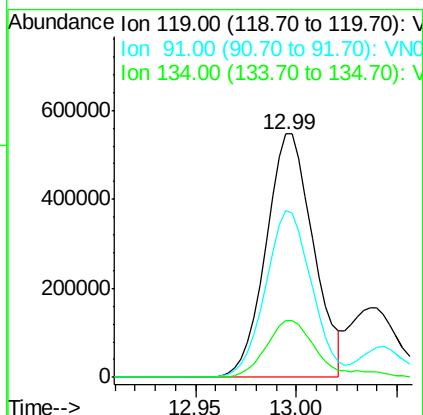
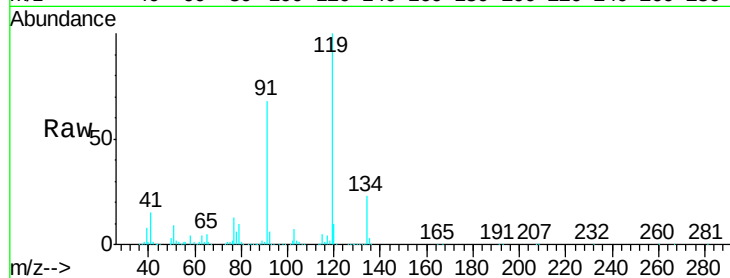
#83
 tert-Butylbenzene
 Concen: 53.168 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	891018		
91	66.7	33.7	101.0	
134	25.5	12.9	38.7	

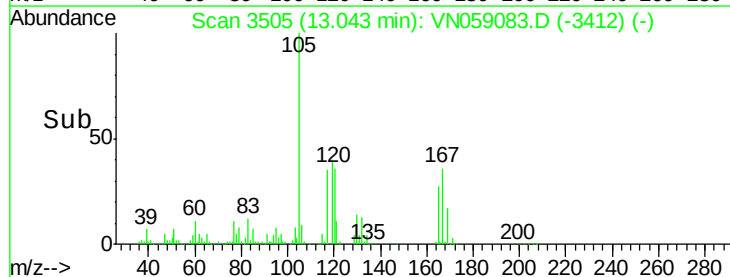
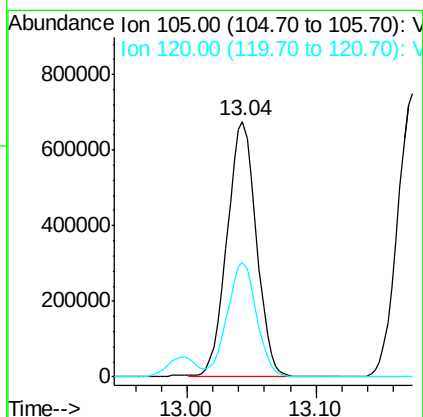
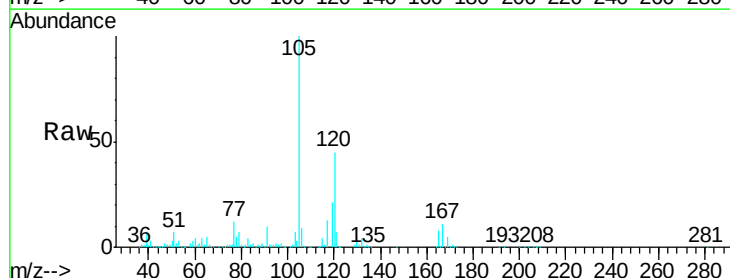
Manual Integrations
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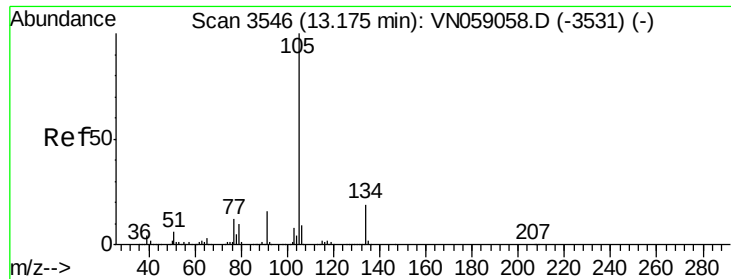
MMDadoda
 11/6/2019 1:56:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.340 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1060829		
120	45.0	22.3	66.9	





#85

sec-Butylbenzene

Concen: 54.956 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1207067

Ion Ratio Lower Upper

105 100

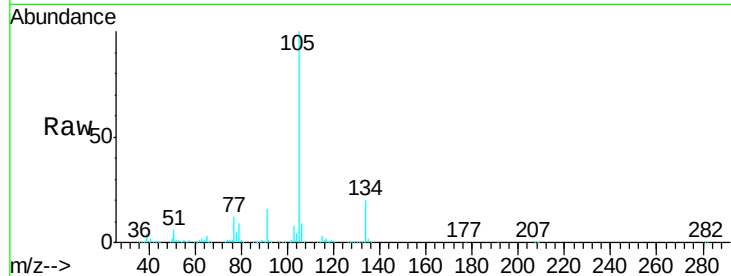
134 19.5 9.8 29.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

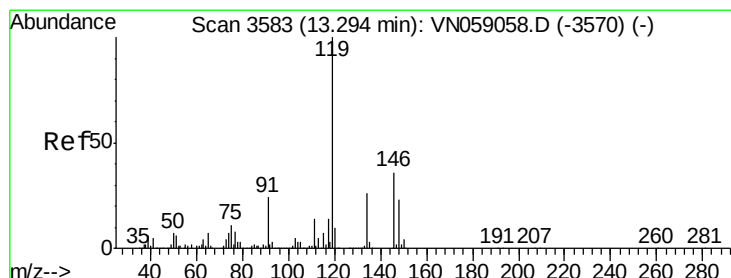
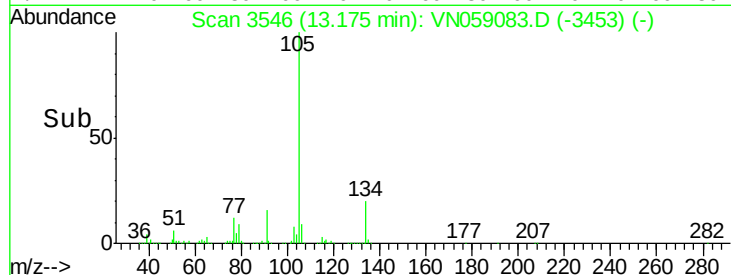
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 55.706 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

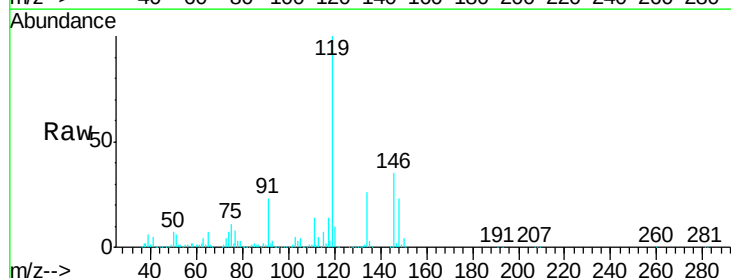
Tgt Ion:119 Resp: 1103081

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 23.3 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

200000

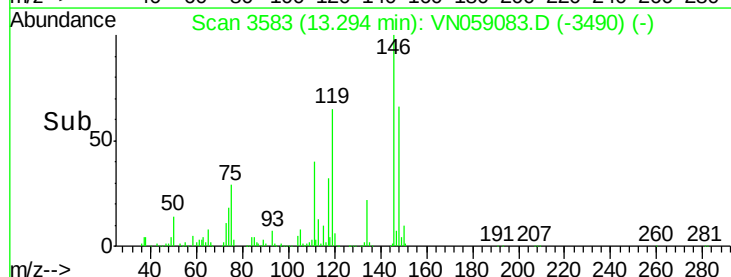
0

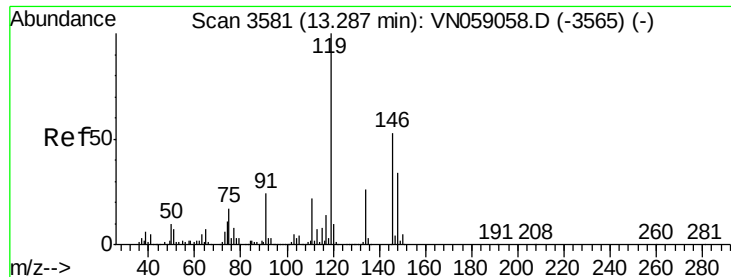
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.665 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

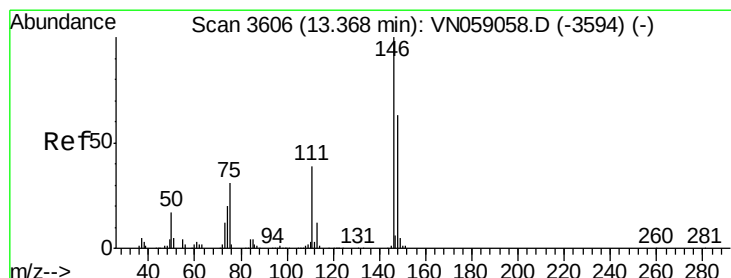
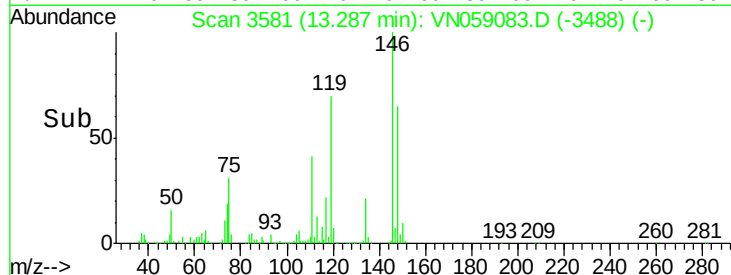
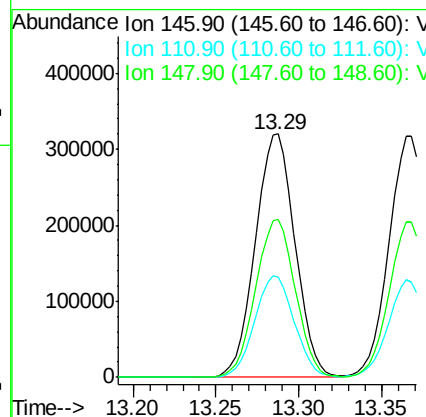
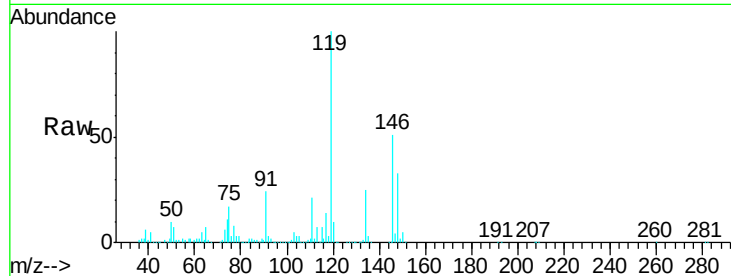
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	532788
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.5	61.5
148	64.8	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.405 ug/l

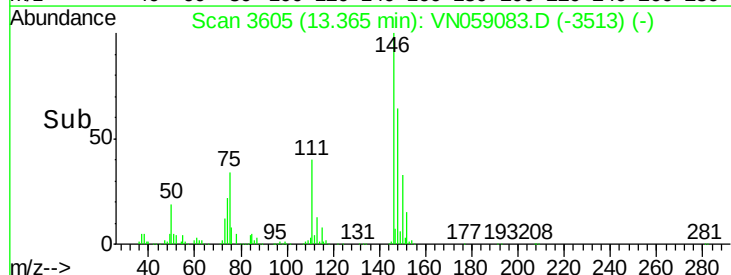
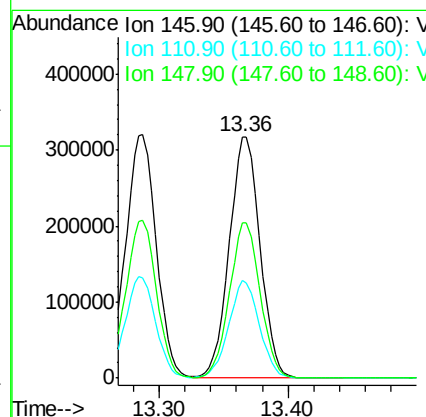
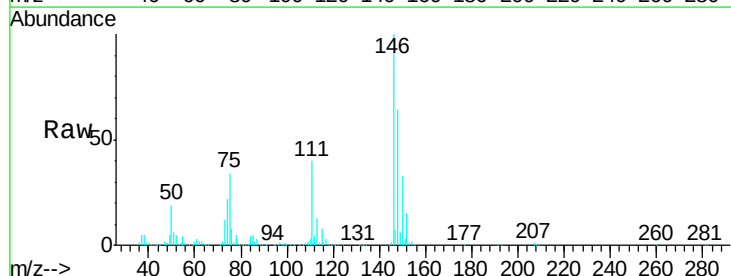
RT: 13.36 min Scan# 3605

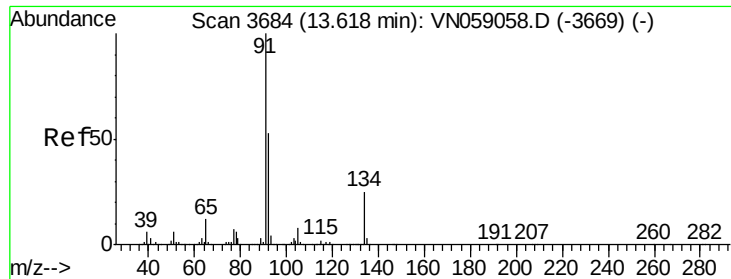
Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	146	Resp:	524367
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.1	60.2
148	64.5	31.9	95.7





#89

n-Butylbenzene

Concen: 55.636 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

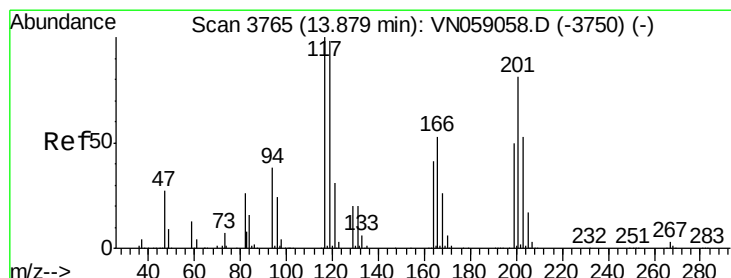
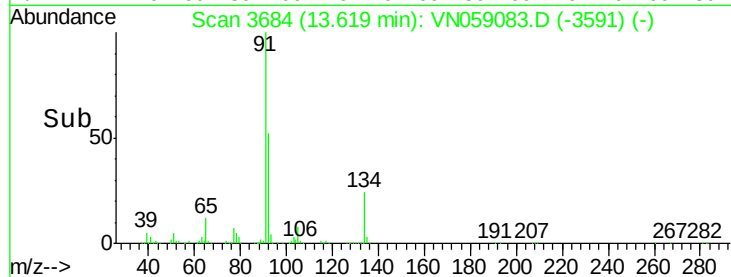
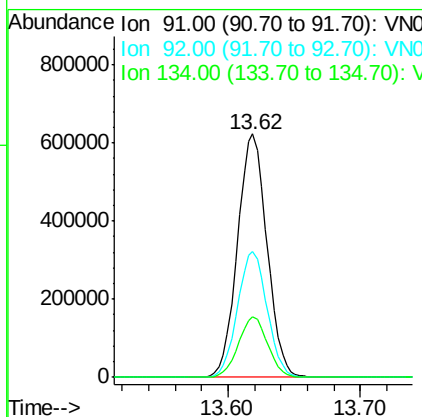
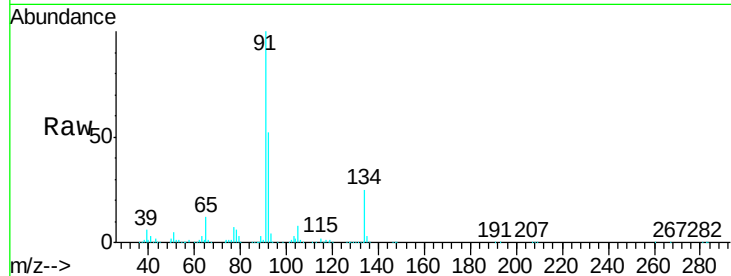
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	959973
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.4	79.0
134	24.8	12.5	37.5

Manual Integrations
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#90

Hexachloroethane

Concen: 50.927 ug/l

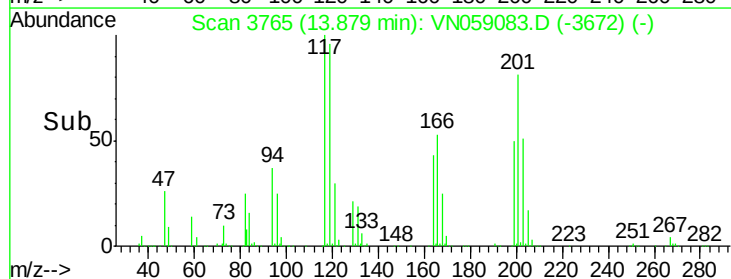
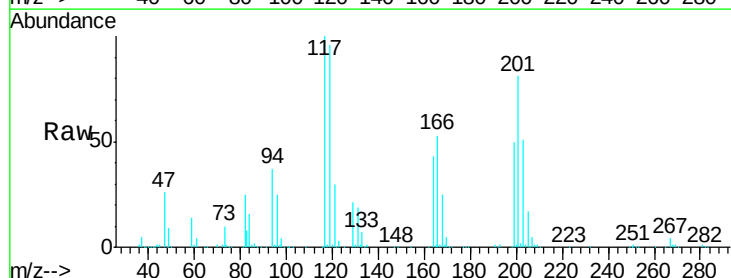
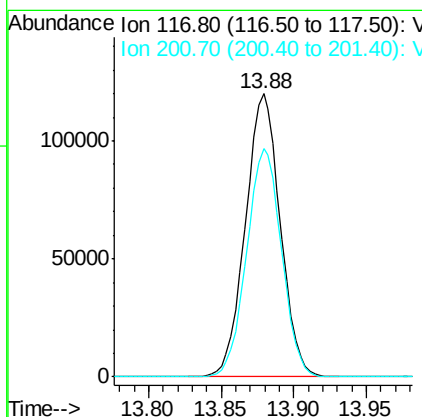
RT: 13.88 min Scan# 3765

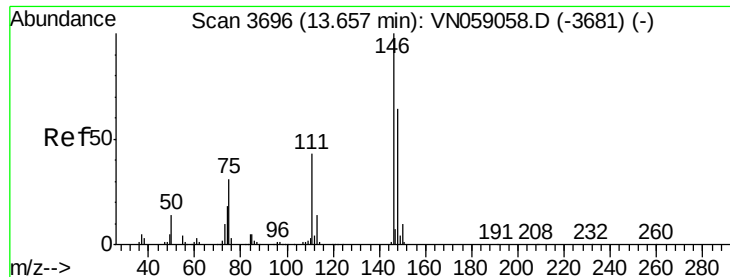
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	117	Resp:	200462
Ion Ratio	Lower	Upper	
117	100		
201	81.0	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 50.981 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

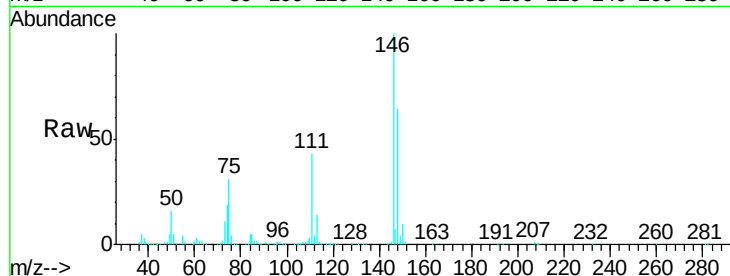
ClientSampleId :

VSTDCCC050

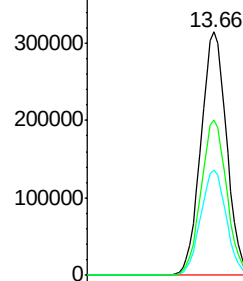
Tgt Ion:	146	Resp:	523119
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.2	63.6
148	63.4	32.1	96.3

Manual Integrations
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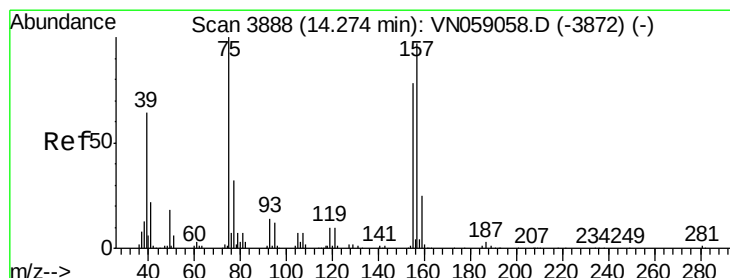
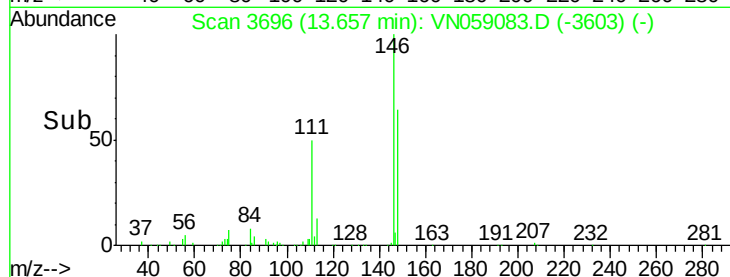
MMDadoda
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.075 ug/l

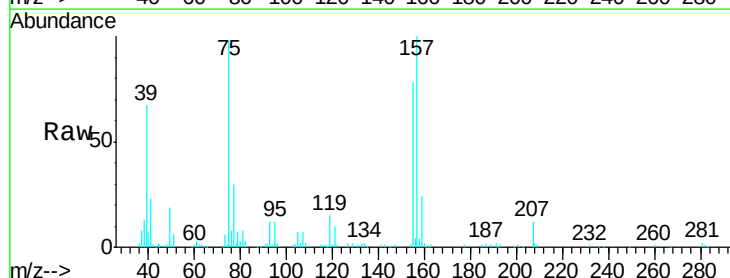
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

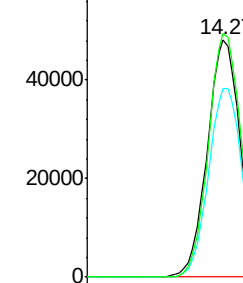
Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

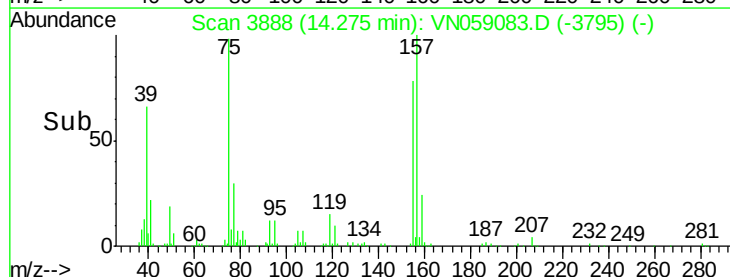
Tgt Ion:	75	Resp:	82292
Ion Ratio	Lower	Upper	
75	100		
155	80.0	39.7	119.1
157	101.6	51.0	153.0

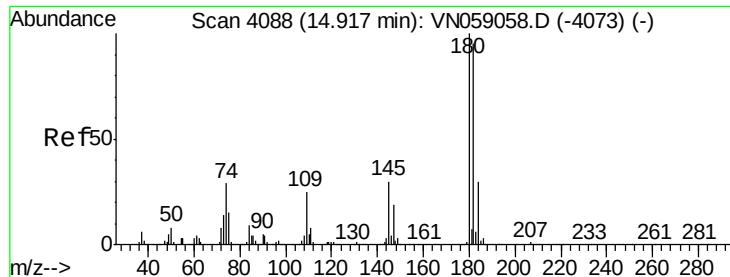


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time-->





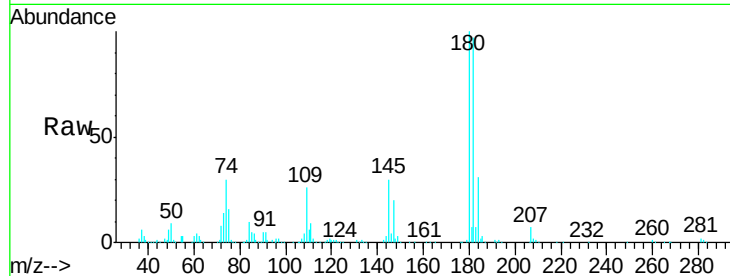
#93
 1,2,4-Trichlorobenzene
 Concen: 53.060 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

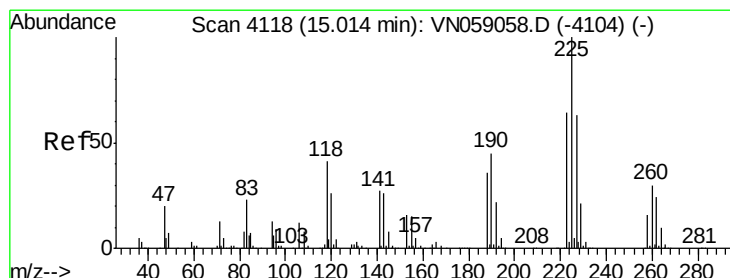
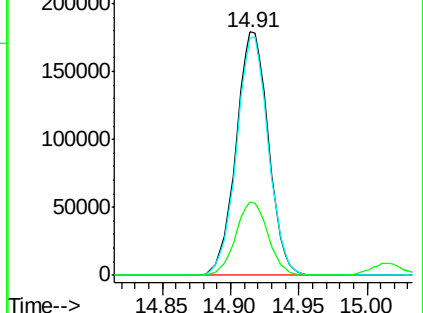
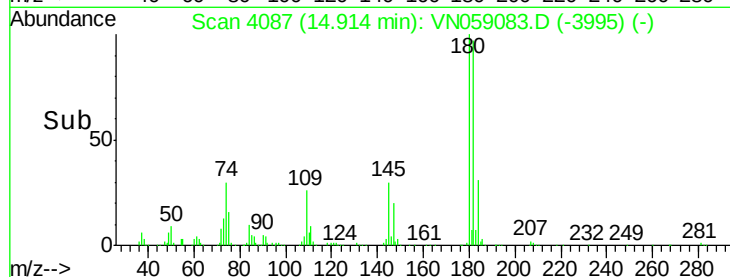
Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.5	47.8	143.4
145	30.3	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 11/6/2019 1:56:15 PM

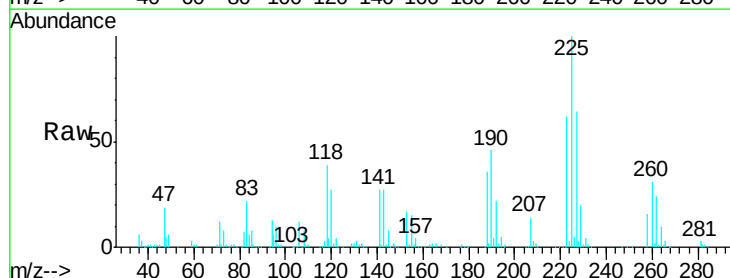


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

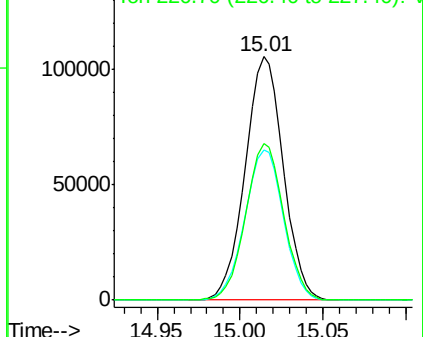
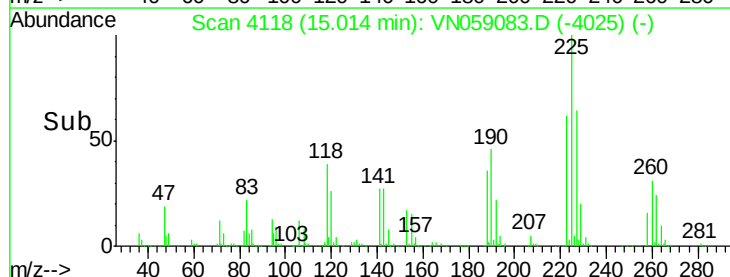


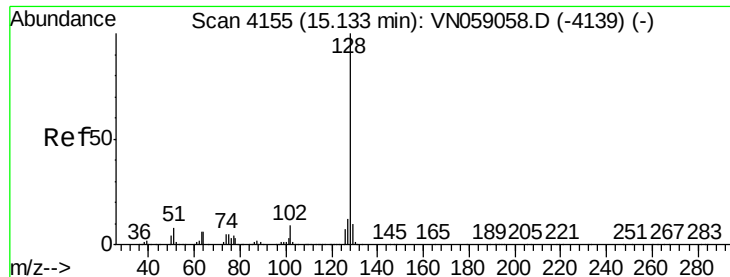
#94
 Hexachlorobutadiene
 Concen: 50.708 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.6	31.6	95.0
227	64.0	31.9	95.7



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





#95

Naphthalene

Concen: 45.879 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

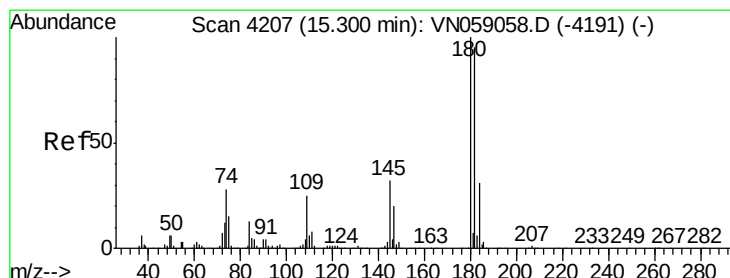
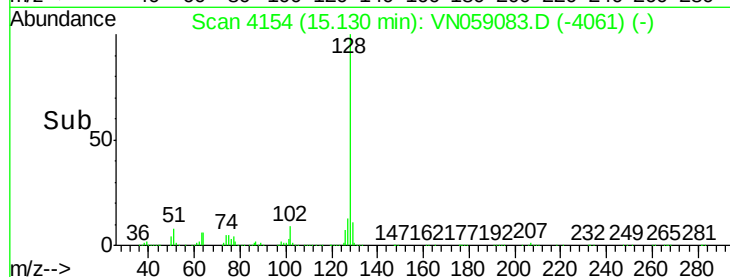
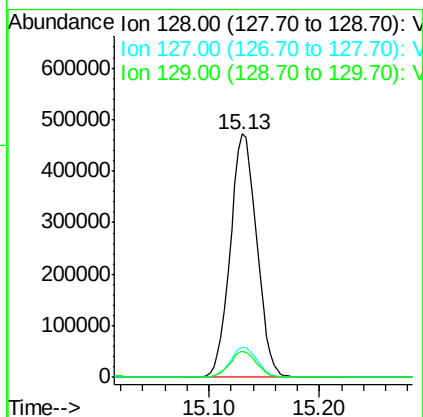
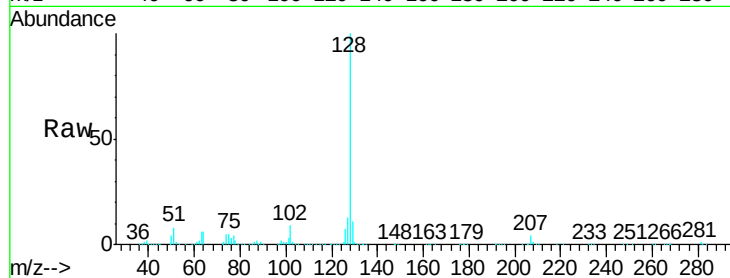
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	786917
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/6/2019 1:56:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.099 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion:	180	Resp:	287817
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.7	143.1
145	31.5	16.0	48.0

