

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059055.D
 Acq On : 1 Nov 2019 11:53
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:58:53 PM

Quant Time: Nov 02 04:41:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	488371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	709382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	610824	87.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.04%	
35) Dibromofluoromethane	7.57	113	475546	95.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.72%	
50) Toluene-d8	10.08	98	1895014	97.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.82%	
62) 4-Bromofluorobenzene	12.40	95	709606	99.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	518008	87.688	ug/l	97
3) Chloromethane	2.04	50	689384	92.927	ug/l	99
4) Vinyl Chloride	2.17	62	679633	92.647	ug/l	98
5) Bromomethane	2.52	94	380639m	84.330	ug/l	
6) Chloroethane	2.67	64	395279	84.818	ug/l	99
7) Trichlorofluoromethane	2.99	101	792443	87.913	ug/l	99
8) Diethyl Ether	3.38	74	323724	100.989	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	470563	92.502	ug/l	100
10) Methyl Iodide	3.92	142	628186	95.742	ug/l	100
11) Tert butyl alcohol	4.76	59	619517	522.134	ug/l	100
12) 1,1-Dichloroethene	3.71	96	471259	98.537	ug/l	97
13) Acrolein	3.58	56	414330	517.676	ug/l	98
14) Allyl chloride	4.29	41	963150	99.735	ug/l	99
15) Acrylonitrile	4.95	53	1565047	528.001	ug/l	99
16) Acetone	3.79	43	1627823	470.415	ug/l	99
17) Carbon Disulfide	4.02	76	1487313	96.981	ug/l	99
18) Methyl Acetate	4.29	43	773944	96.609	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1657572	99.608	ug/l	100
20) Methylene Chloride	4.52	84	549805	91.795	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	512568	97.512	ug/l	100
22) Diisopropyl ether	5.92	45	1860238	99.011	ug/l	99
23) Vinyl Acetate	5.86	43	7393785	492.329	ug/l	95
24) 1,1-Dichloroethane	5.82	63	1011194	92.810	ug/l	99
25) 2-Butanone	6.81	43	2264199	500.869	ug/l	100
26) 2,2-Dichloropropane	6.80	77	852630	90.811	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	583114	97.296	ug/l	99
28) Bromochloromethane	7.17	49	295493	82.676	ug/l	99
29) Tetrahydrofuran	7.18	42	1436146	518.068	ug/l	100
30) Chloroform	7.35	83	957978	88.242	ug/l	98
31) Cyclohexane	7.63	56	957471	94.499	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	833662	91.320	ug/l	99
36) 1,1-Dichloropropene	7.77	75	765589	99.871	ug/l	100
37) Ethyl Acetate	6.90	43	861410	102.936	ug/l	100
38) Carbon Tetrachloride	7.75	117	739685	93.805	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	931503	107.292	ug/l	100
40) Benzene	8.02	78	2245127	99.320	ug/l	99
41) Methacrylonitrile	7.16	41	411711m	108.576	ug/l	
42) 1,2-Dichloroethane	8.10	62	769531	89.733	ug/l	99
43) Isopropyl Acetate	8.15	43	1384921	102.987	ug/l	100
44) Trichloroethene	8.82	130	546736	99.061	ug/l	98
45) 1,2-Dichloropropane	9.10	63	611253	98.675	ug/l	99
46) Dibromomethane	9.19	93	377740	96.840	ug/l	99
47) Bromodichloromethane	9.39	83	775283	96.666	ug/l	100
48) Methyl methacrylate	9.18	41	648148	106.913	ug/l	99
49) 1,4-Dioxane	9.18	88	237333	2327.802	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3920482	501.528	ug/l	94
52) Toluene	10.15	92	1384813	103.515	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	918834	103.199	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	980967	102.863	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	538837	97.627	ug/l	99
56) Ethyl methacrylate	10.42	69	933462	114.552	ug/l	100
57) 1,3-Dichloropropane	10.70	76	955443	99.031	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1869874	545.705	ug/l	100
59) 2-Hexanone	10.75	43	3170874	525.861	ug/l	96
60) Dibromochloromethane	10.90	129	602545	101.556	ug/l	100
61) 1,2-Dibromoethane	11.00	107	568961	100.941	ug/l	100
64) Tetrachloroethene	10.63	164	481986	98.106	ug/l	100
65) Chlorobenzene	11.43	112	1446873	101.181	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	537276	99.745	ug/l	99
67) Ethyl Benzene	11.51	91	2604952	104.110	ug/l	97
68) m/p-Xylenes	11.62	106	2009015	216.809	ug/l	91
69) o-Xylene	11.95	106	957183	108.017	ug/l	97
70) Styrene	11.96	104	1624121	112.391	ug/l	99
71) Bromoform	12.13	173	450695	107.383	ug/l #	100
73) Isopropylbenzene	12.25	105	2529479	97.459	ug/l	98
74) N-amyl acetate	12.07	43	1242812	106.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	860894	94.356	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	800635m	96.372	ug/l	
77) Bromobenzene	12.53	156	625355	97.608	ug/l	99
78) n-propylbenzene	12.59	91	2961793	96.656	ug/l	97
79) 2-Chlorotoluene	12.68	91	1817935	96.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2205329	101.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	329145	103.417	ug/l	98
82) 4-Chlorotoluene	12.78	91	1890853	98.799	ug/l	99
83) tert-Butylbenzene	13.00	119	1893470	101.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2202544	102.816	ug/l	98
85) sec-Butylbenzene	13.17	105	2502974	101.095	ug/l	99
86) p-Isopropyltoluene	13.29	119	2304101	105.308	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1141234	99.900	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1141495	99.871	ug/l	100
89) n-Butylbenzene	13.62	91	2121209	106.181	ug/l	99
90) Hexachloroethane	13.88	117	430242	96.881	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1112558	99.272	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	188461	92.383	ug/l	100

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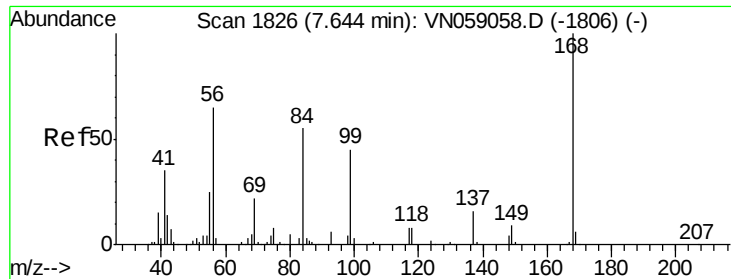
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	700634	113.895	ug/l	100
94) Hexachlorobutadiene	15.01	225	358490	98.187	ug/l	98
95) Naphthalene	15.13	128	2038360	119.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	692372	114.368	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 488371

Ion Ratio Lower Upper

168 100

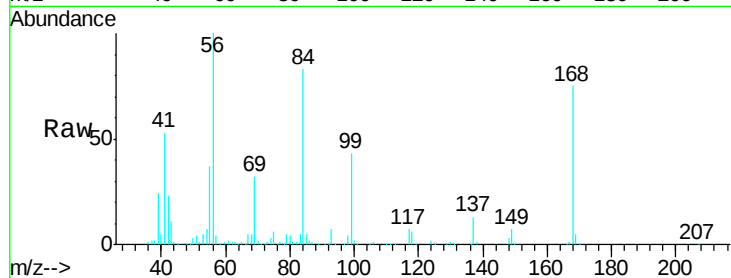
99 57.0 44.1 66.1

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

7.64

200000

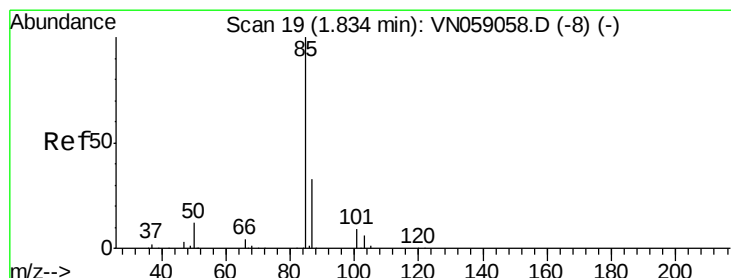
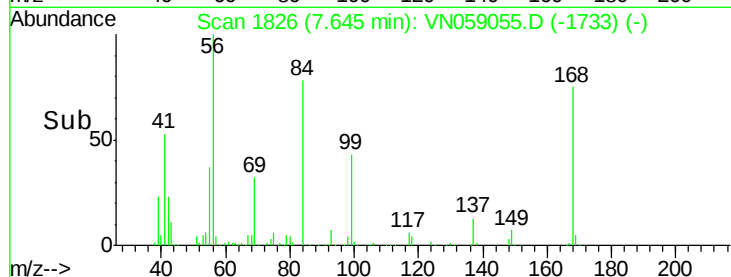
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 87.688 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059055.D

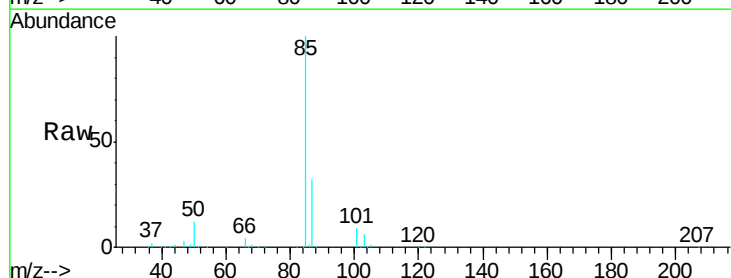
Acq: 1 Nov 2019 11:53

Tgt Ion: 85 Resp: 518008

Ion Ratio Lower Upper

85 100

87 31.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

400000

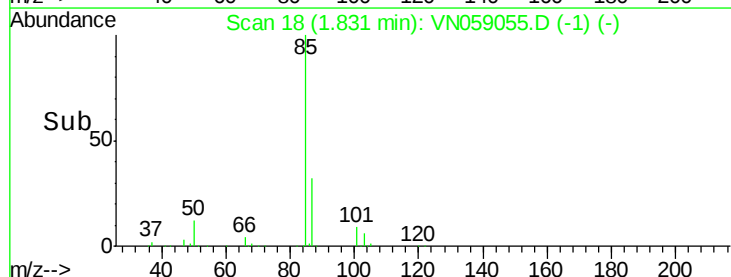
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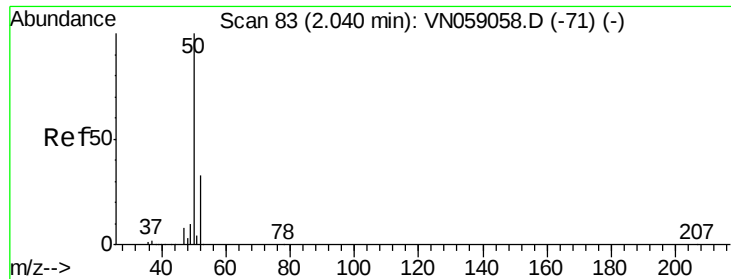
200000

100000

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Time-->





#3

Chloromethane

Concen: 92.927 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 689384

Ion Ratio Lower Upper

50 100

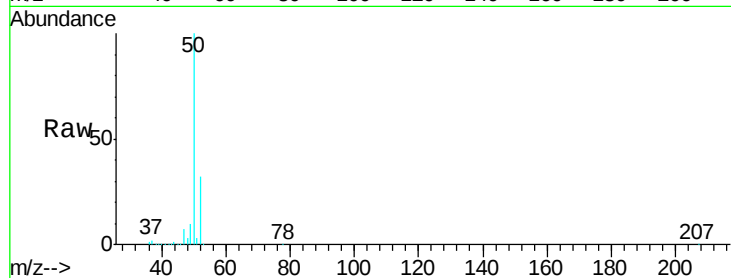
52 32.1 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

500000

400000

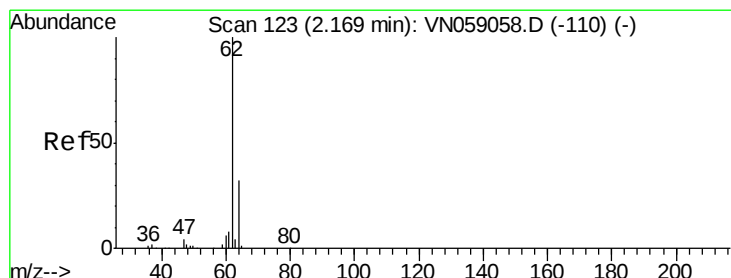
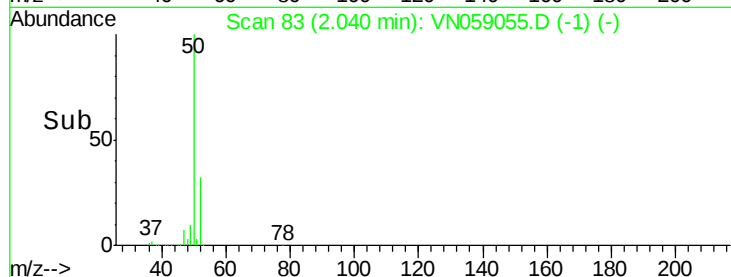
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 92.647 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059055.D

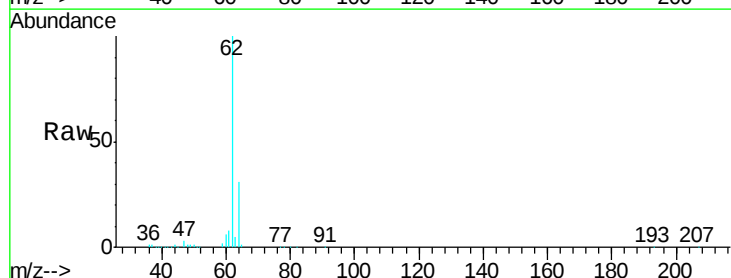
Acq: 1 Nov 2019 11:53

Tgt Ion: 62 Resp: 679633

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

500000

400000

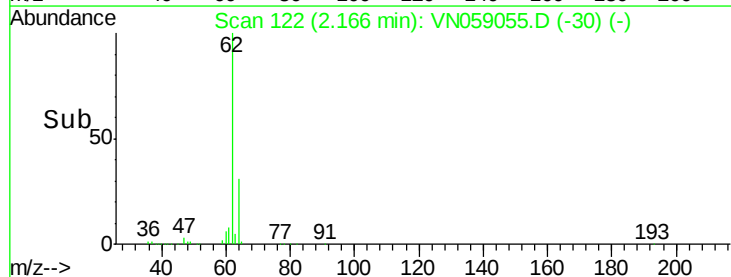
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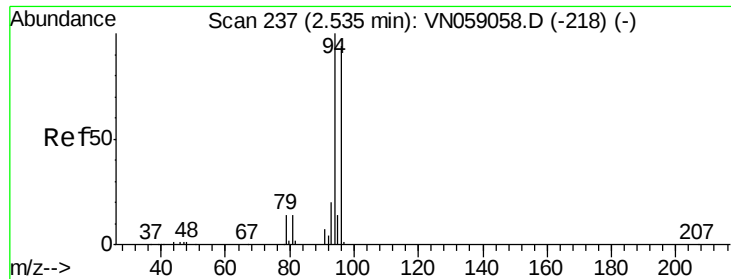
200000

100000

0

Time-->





#5

Bromomethane

Concen: 84.330 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 380639

Ion Ratio Lower Upper

94 100

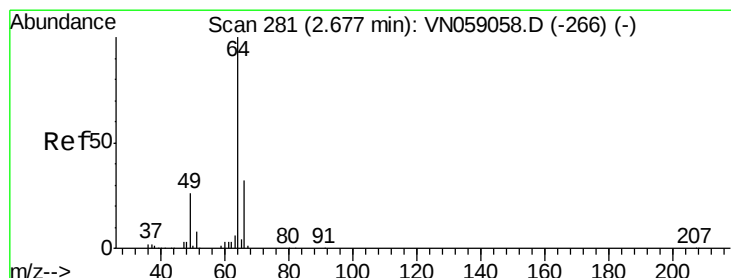
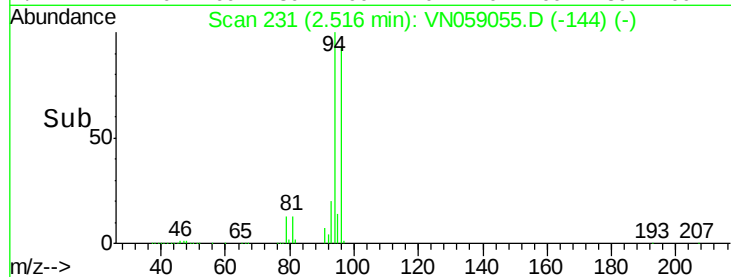
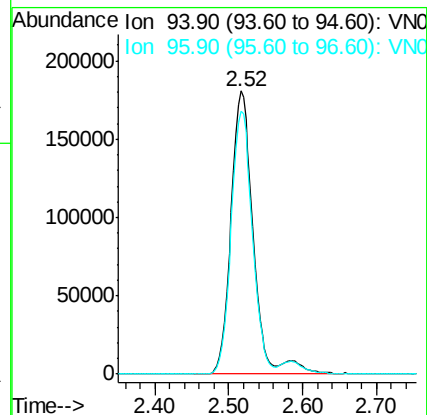
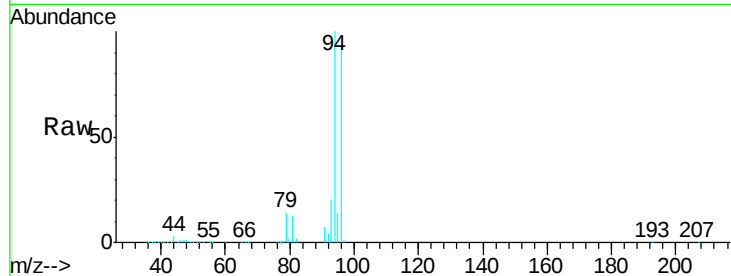
96 93.0 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 84.818 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059055.D

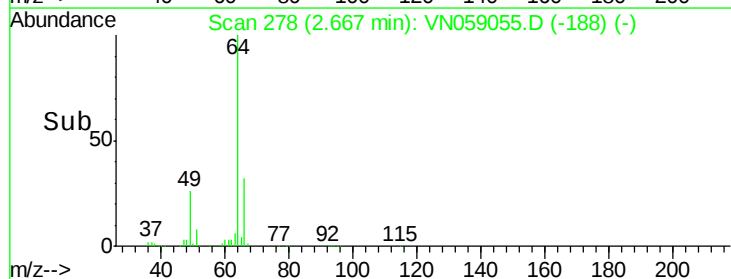
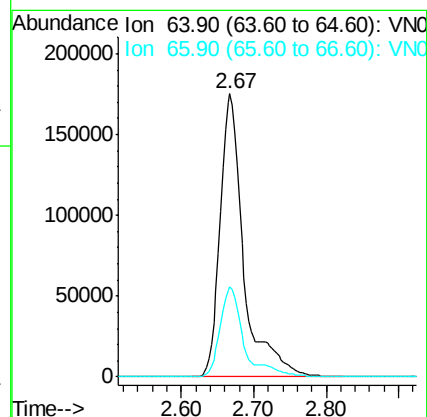
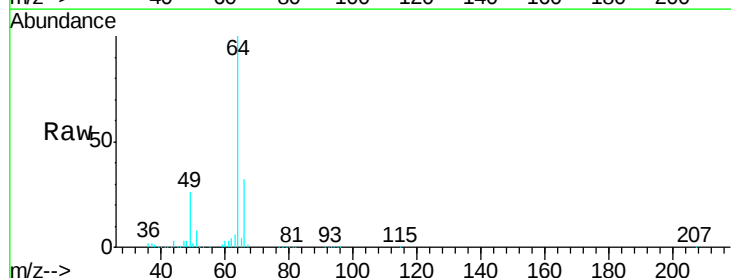
Acq: 1 Nov 2019 11:53

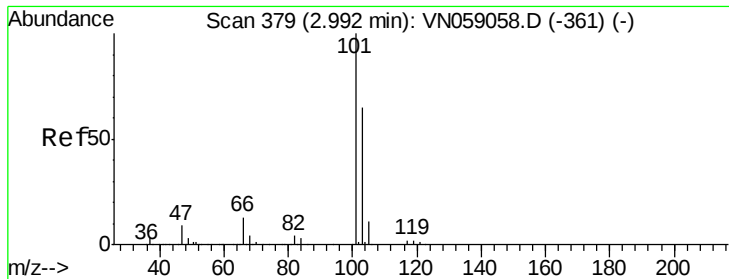
Tgt Ion: 64 Resp: 395279

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

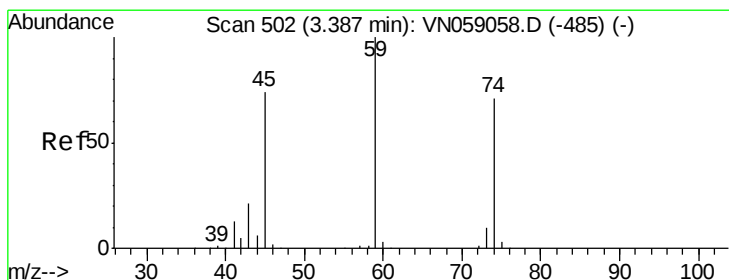
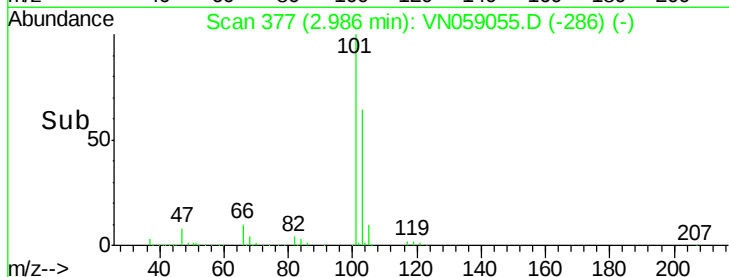
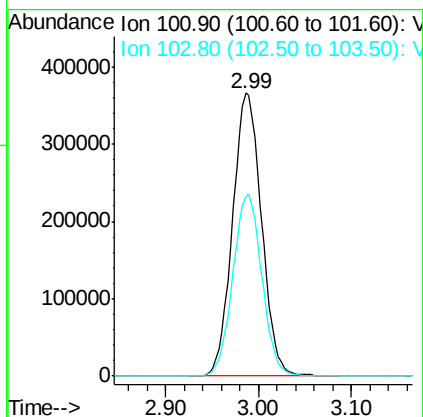
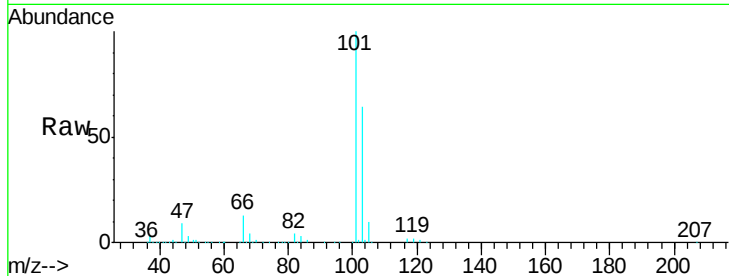
Trichlorofluoromethane
 Concen: 87.913 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
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 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.7	77.5

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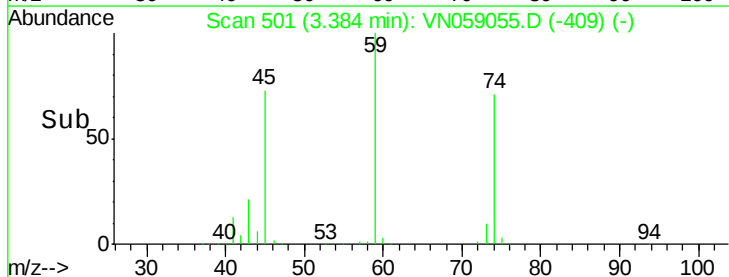
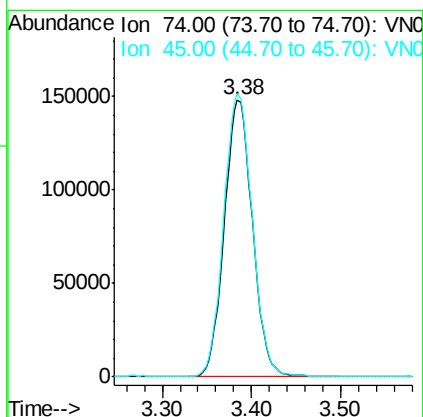
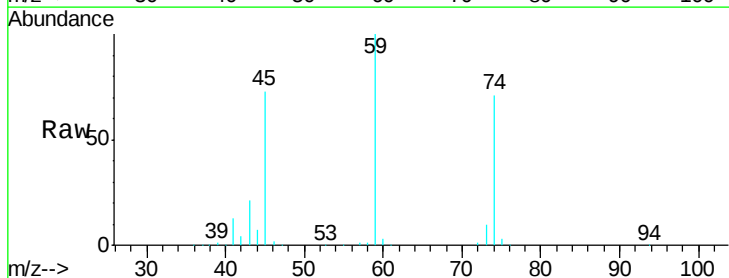
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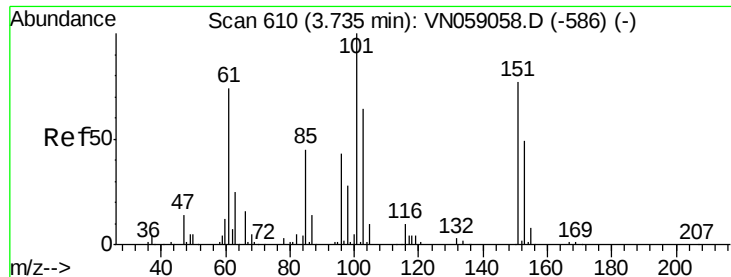


#8

Diethyl Ether
 Concen: 100.989 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.502 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

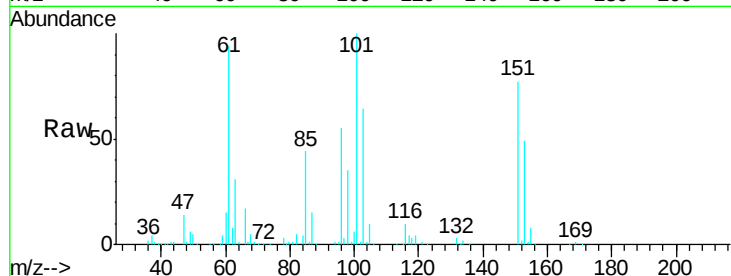
ClientSampleId :

VSTDIC100

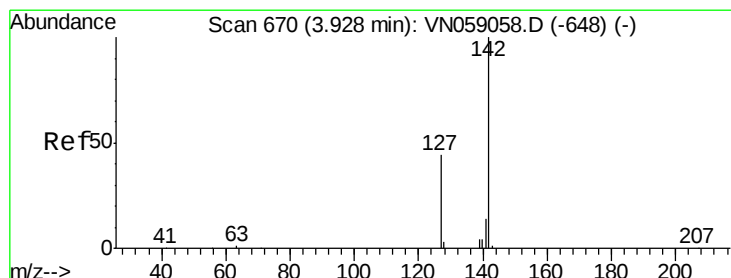
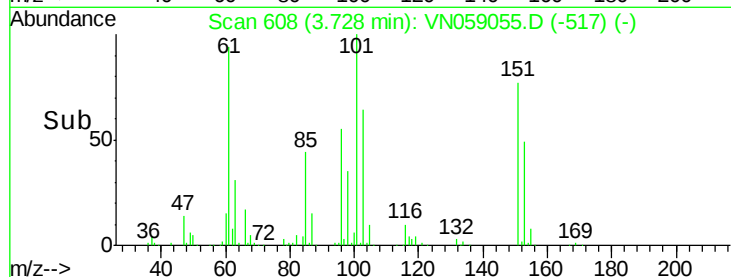
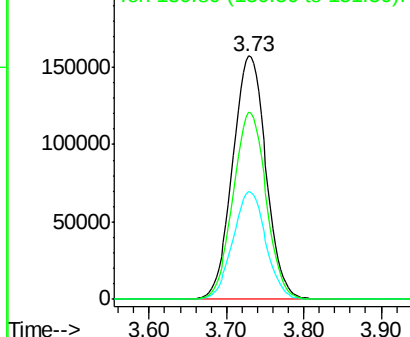
Tgt Ion:	101	Resp:	470563
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	76.1	61.3	91.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 95.742 ug/l

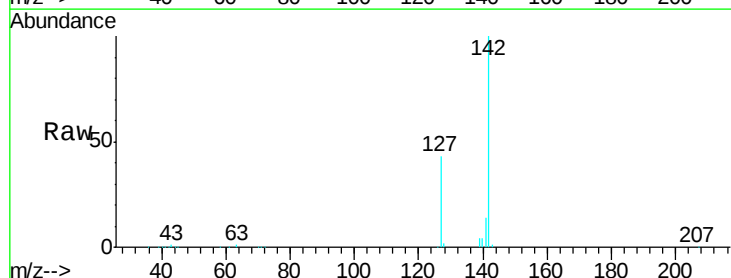
RT: 3.92 min Scan# 668

Delta R.T. -0.01 min

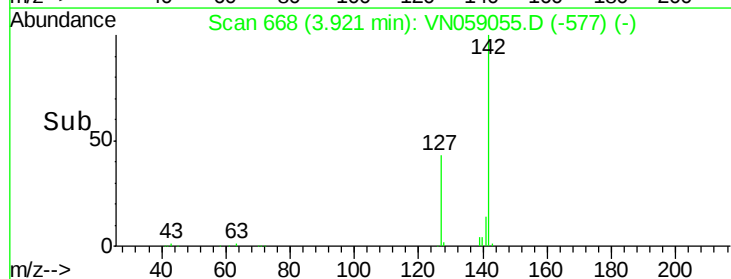
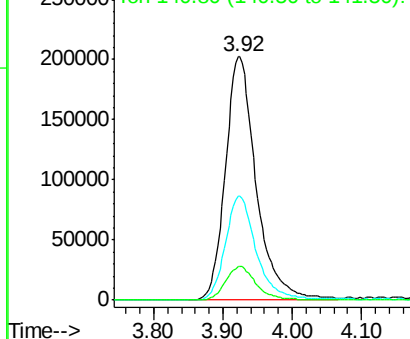
Lab File: VN059055.D

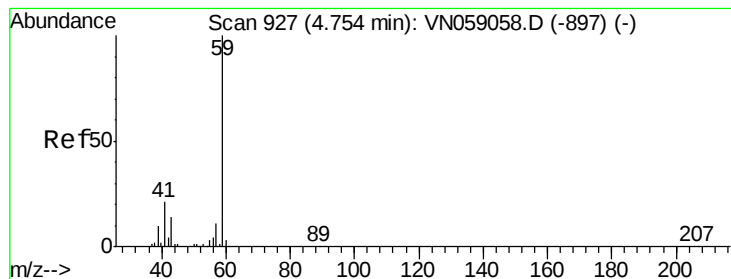
Acq: 1 Nov 2019 11:53

Tgt Ion:	142	Resp:	628186
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	13.9	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

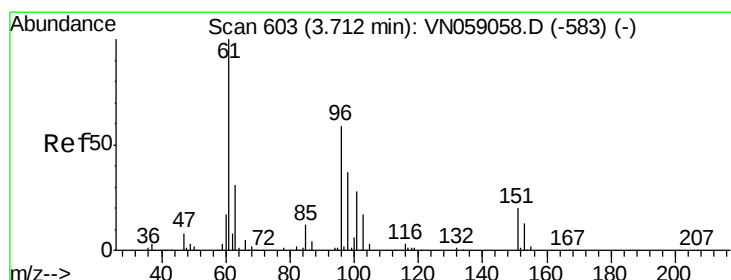
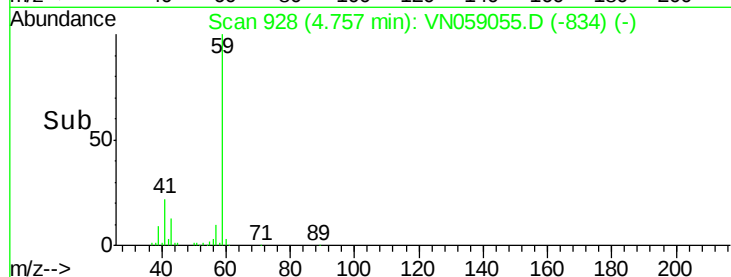
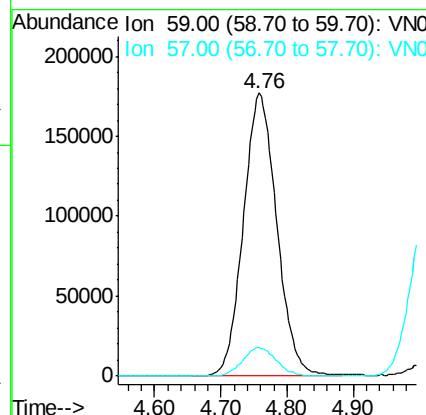
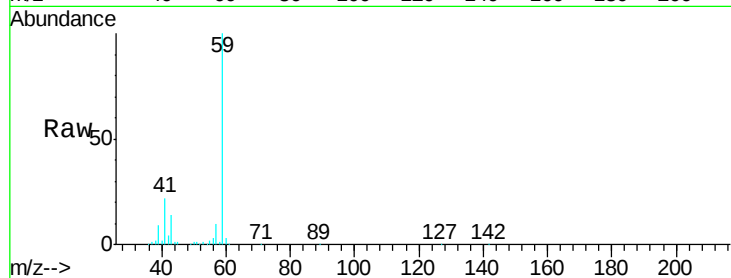
Tert butyl alcohol
Concen: 522.134 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 59 Resp: 619517
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

Manual Integrations
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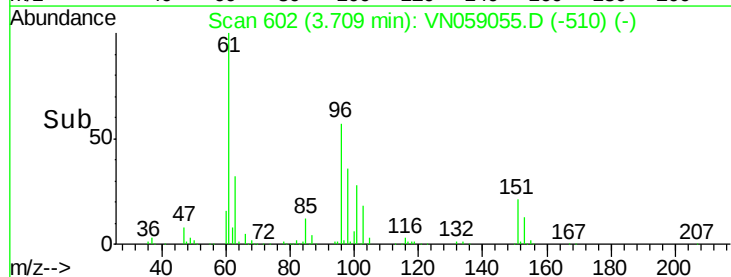
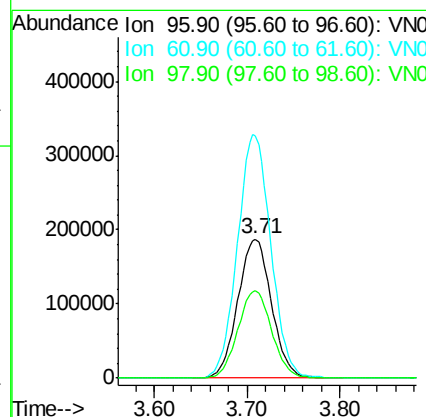
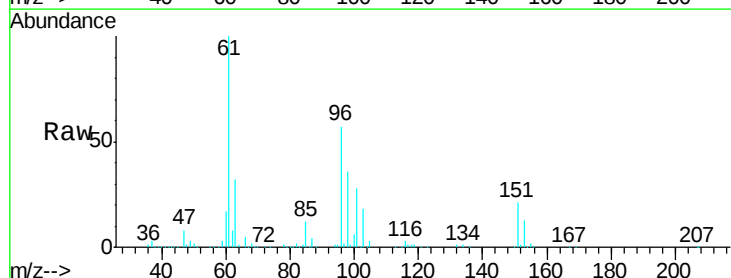
MMDadoda
11/5/2019 1:58:53 PM

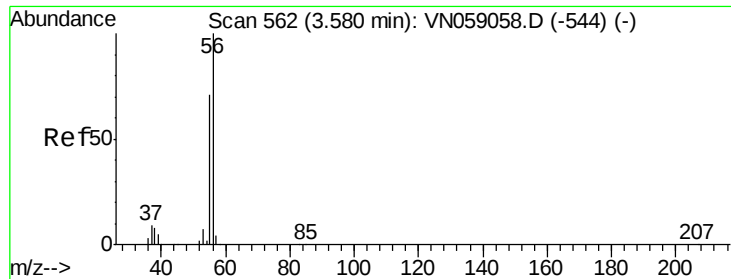


#12

1,1-Dichloroethene
Concen: 98.537 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 96 Resp: 471259
Ion Ratio Lower Upper
96 100
61 174.4 135.3 202.9
98 62.7 49.4 74.2





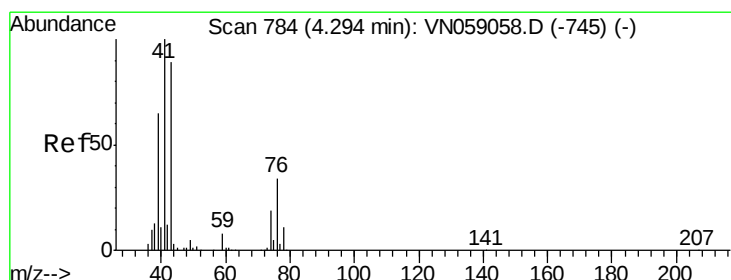
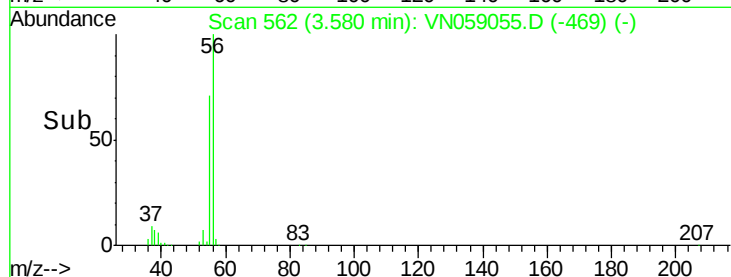
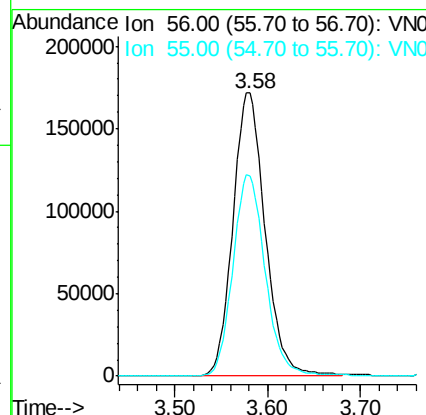
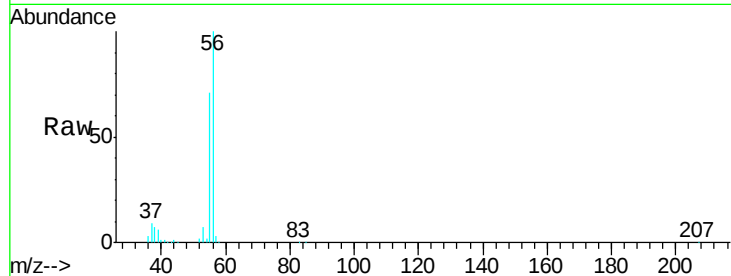
#13
Acrolein
Concen: 517.676 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.1	84.1

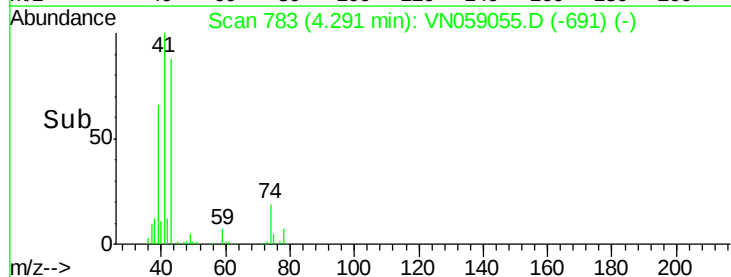
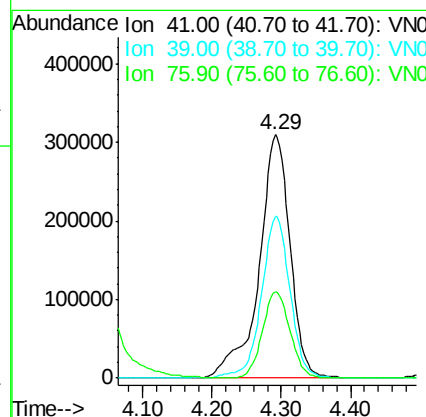
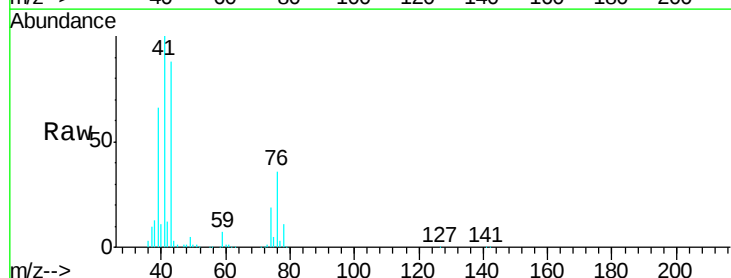
Manual Integrations
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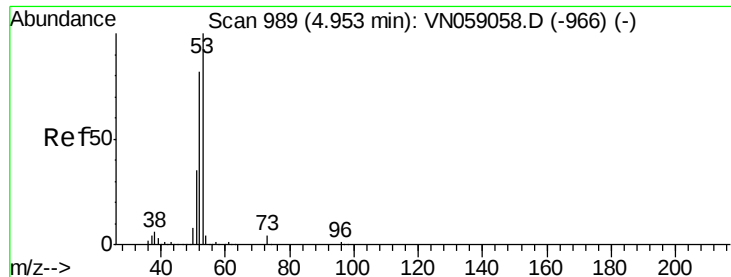
MMDadoda
11/5/2019 1:58:53 PM



#14
Allyl chloride
Concen: 99.735 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	49.4	74.2
76	31.2	24.6	37.0





#15

Acrylonitrile

Concen: 528.001 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1565047

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

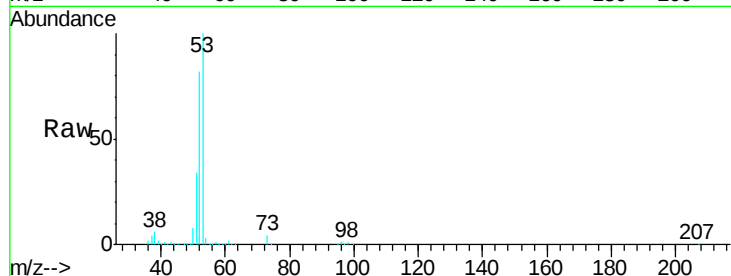
51 35.4 28.3 42.5

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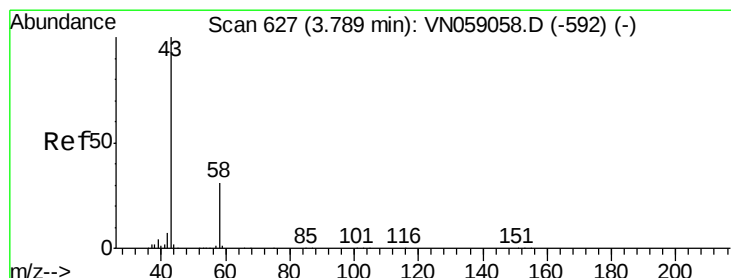
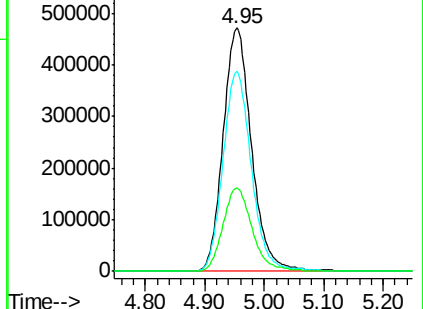
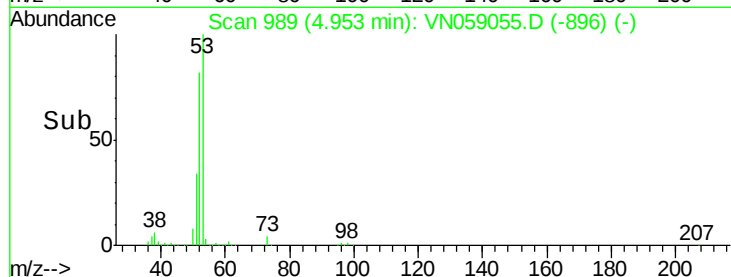


Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)

Time-->



#16

Acetone

Concen: 470.415 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059055.D

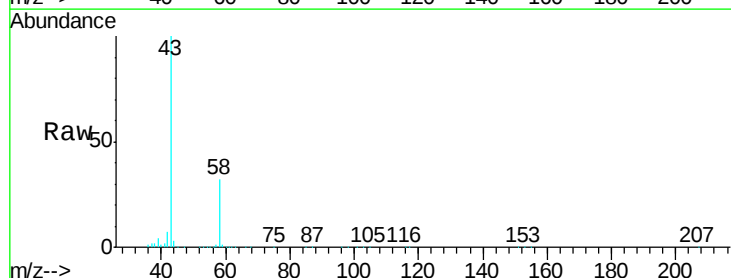
Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 1627823

Ion Ratio Lower Upper

43 100

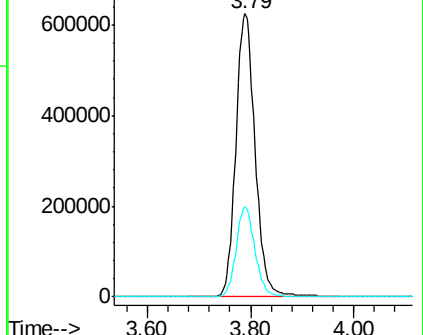
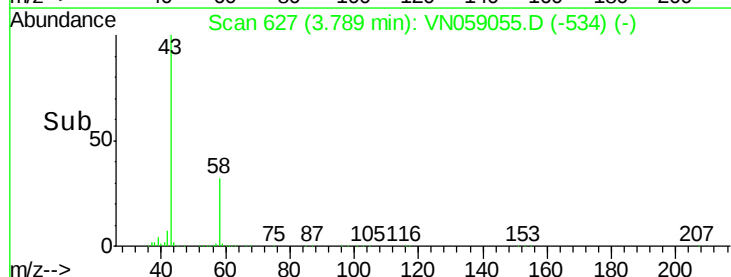
58 31.8 25.0 37.6

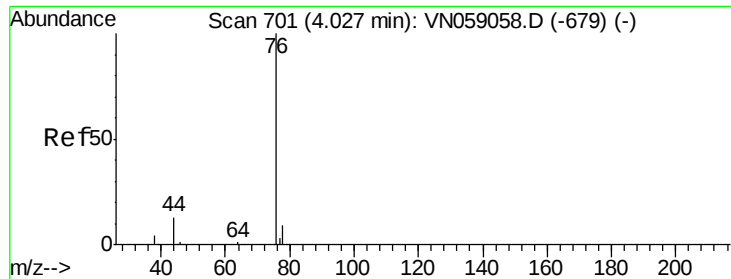


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)

Time-->





#17

Carbon Disulfide

Concen: 96.981 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 1487313

Ion Ratio Lower Upper

76 100

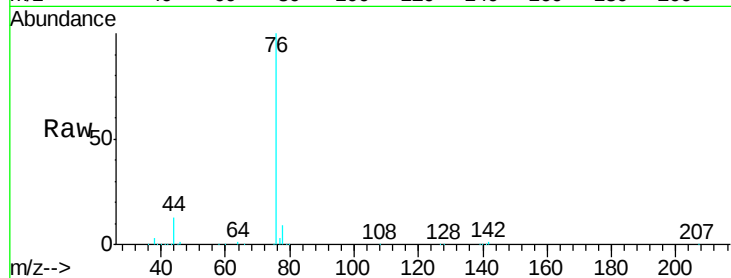
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.02

600000

500000

400000

300000

200000

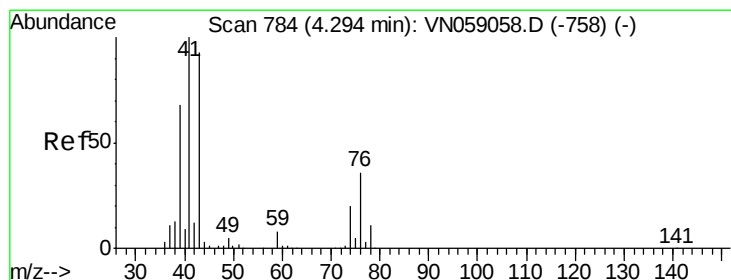
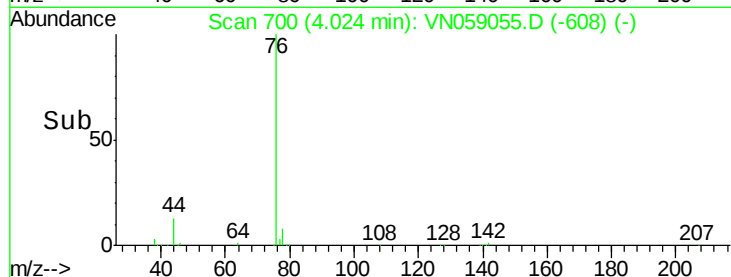
100000

0

4.00

4.20

Time-->



#18

Methyl Acetate

Concen: 96.609 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059055.D

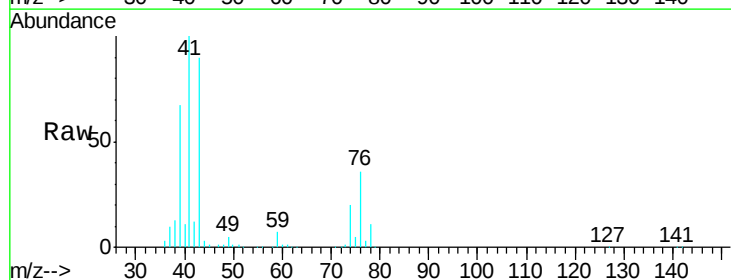
Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 773944

Ion Ratio Lower Upper

43 100

74 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.29

300000

250000

200000

150000

100000

50000

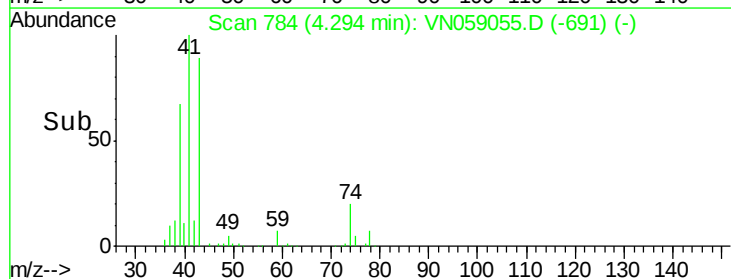
0

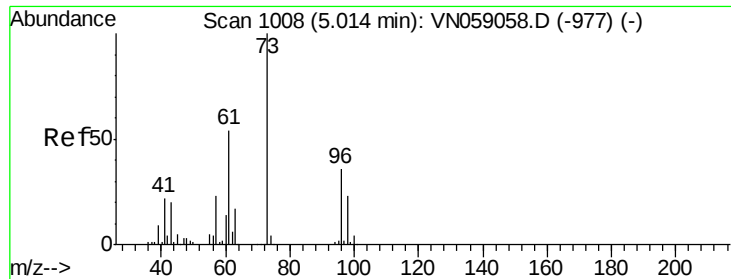
4.20

4.30

4.40

Time-->





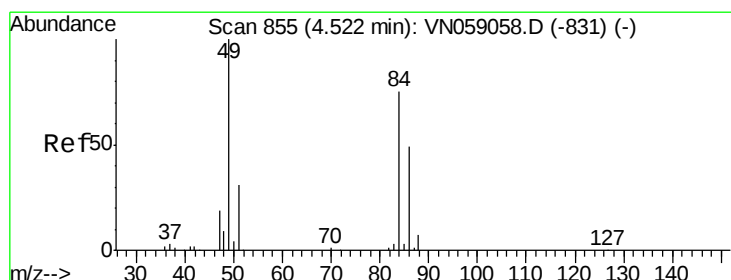
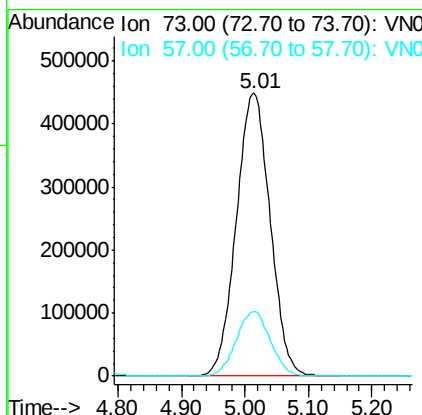
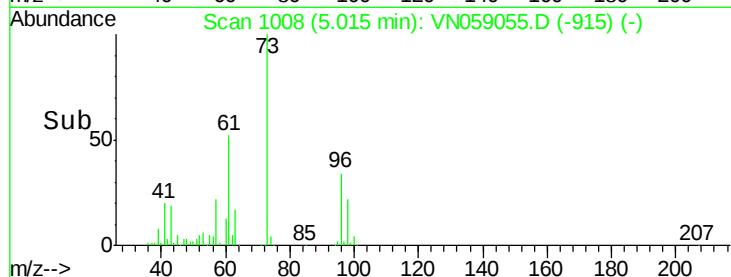
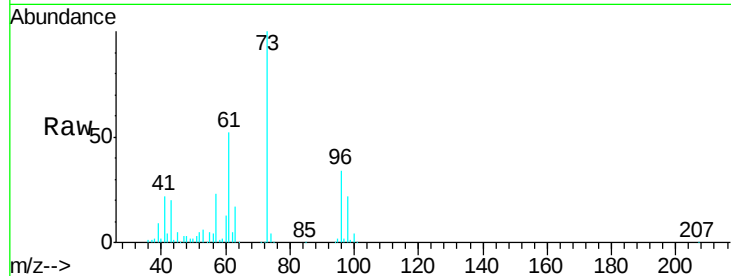
#19
Methyl tert-butyl Ether
Concen: 99.608 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 1657572
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

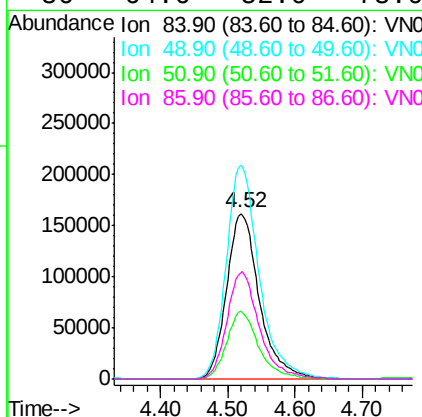
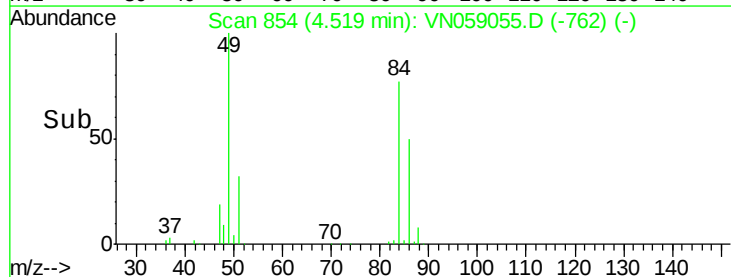
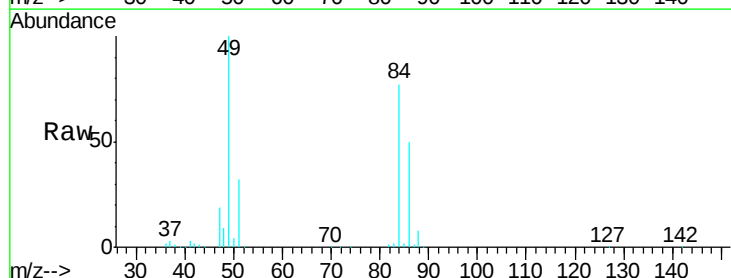
Manual Integrations
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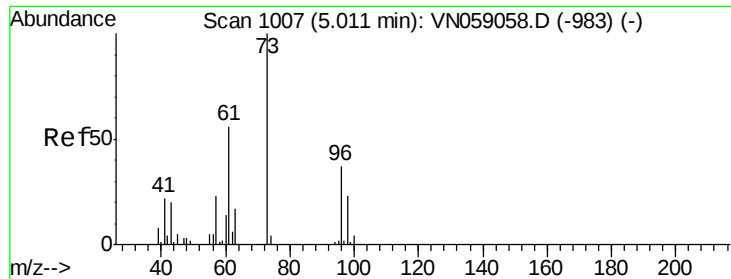
MMDadoda
11/5/2019 1:58:53 PM



#20
Methylene Chloride
Concen: 91.795 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 84 Resp: 549805
Ion Ratio Lower Upper
84 100
49 129.3 106.4 159.6
51 40.8 33.0 49.4
86 64.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 97.512 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 512568

Ion Ratio Lower Upper

96 100

61 152.0 121.7 182.5

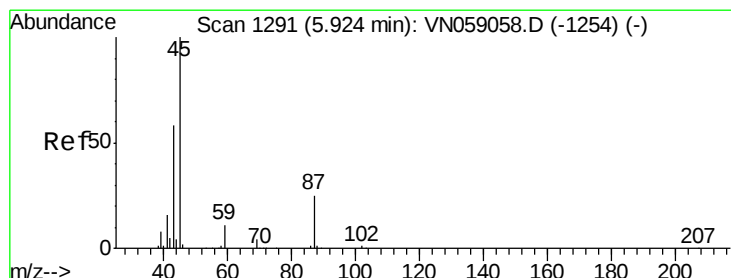
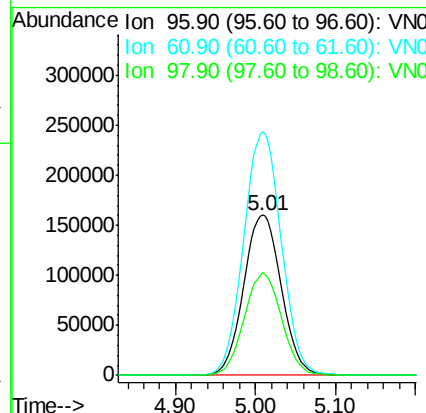
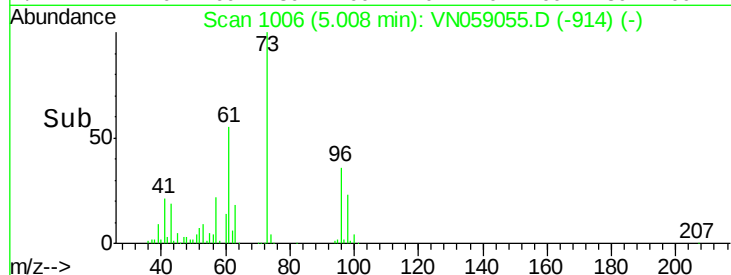
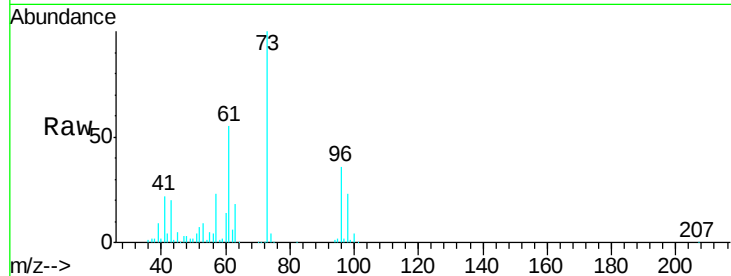
98 63.9 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 99.011 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 45 Resp: 1860238

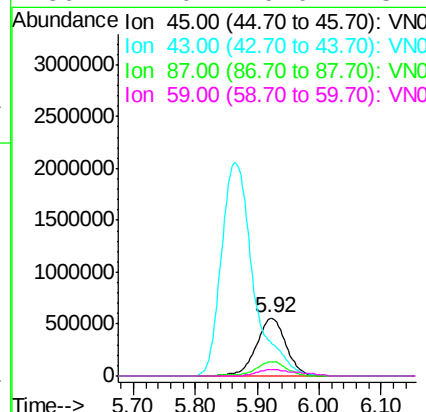
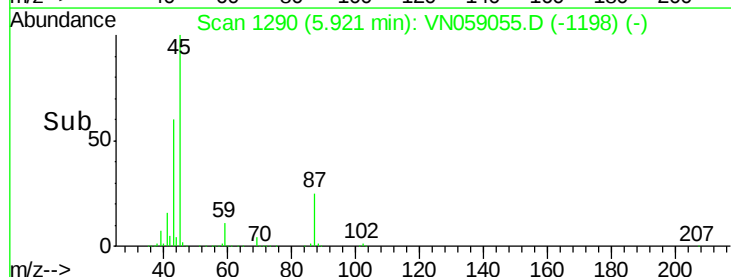
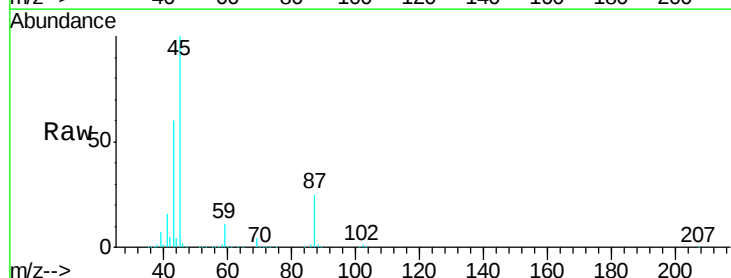
Ion Ratio Lower Upper

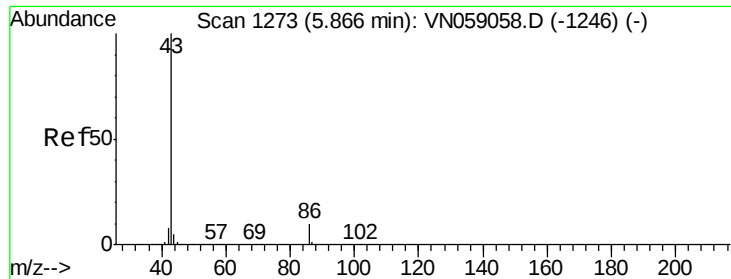
45 100

43 59.4 46.9 70.3

87 25.0 20.1 30.1

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 492.329 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 7393785

Ion Ratio Lower Upper

43 100

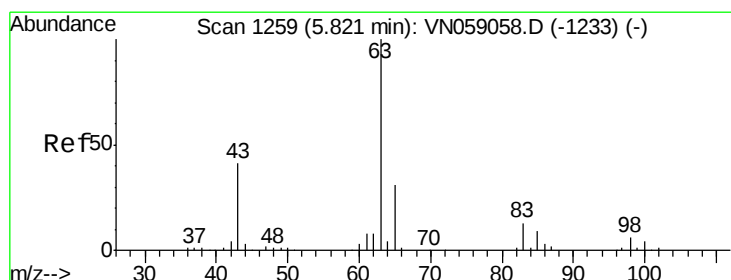
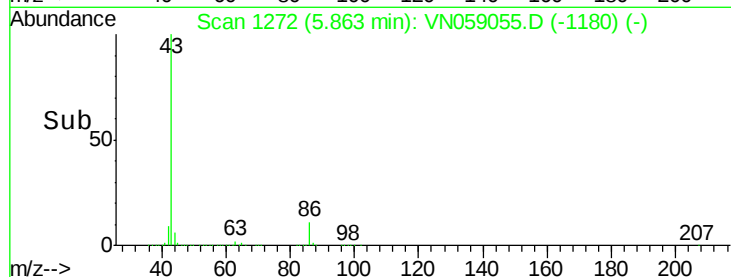
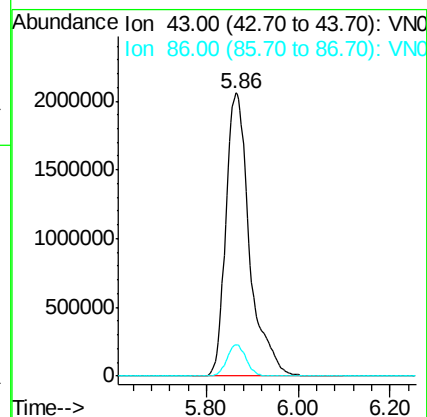
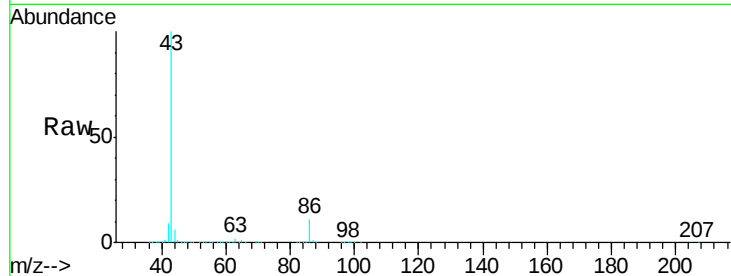
86 11.2 7.6 11.4

Manual Integrations

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11/5/2019 1:58:53 PM



#24

1,1-Dichloroethane

Concen: 92.810 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

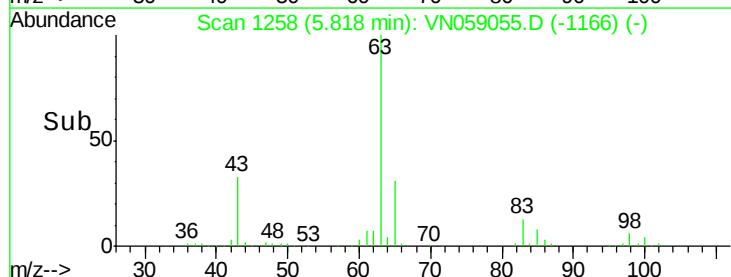
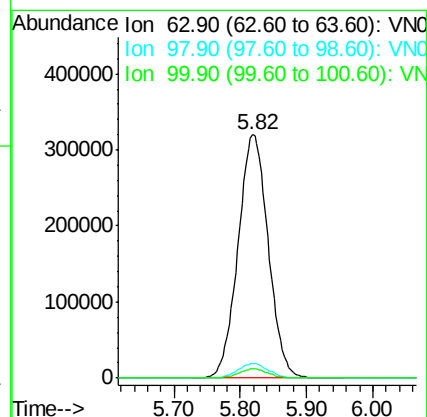
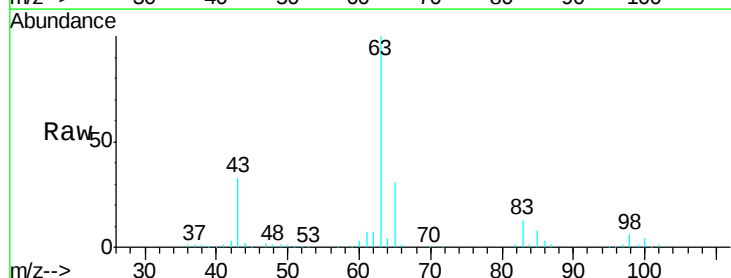
Tgt Ion: 63 Resp: 1011194

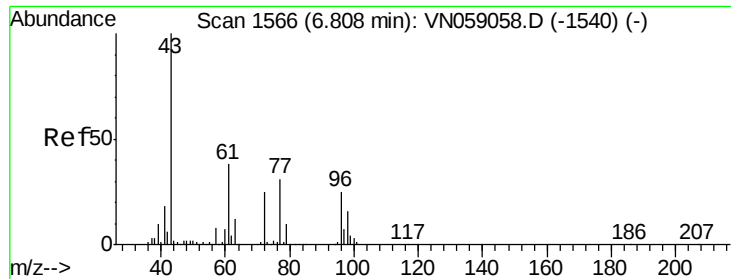
Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 500.869 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2264199

Ion Ratio Lower Upper

43 100

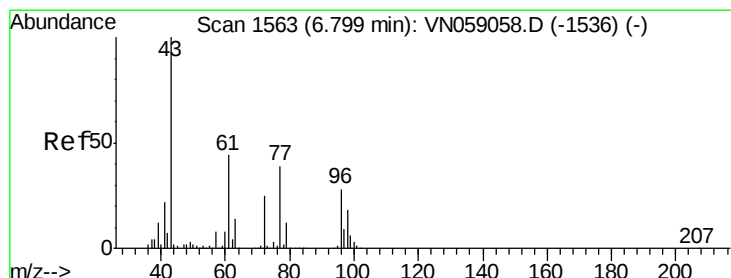
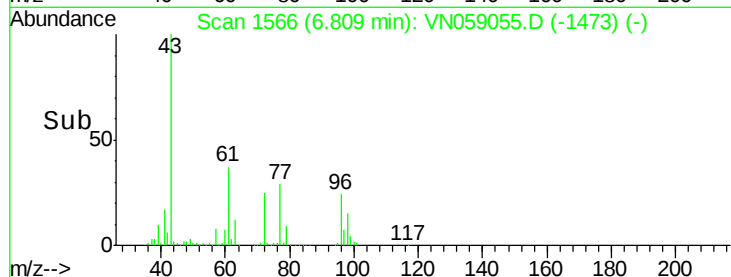
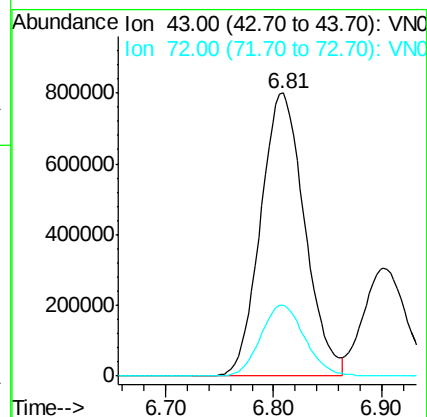
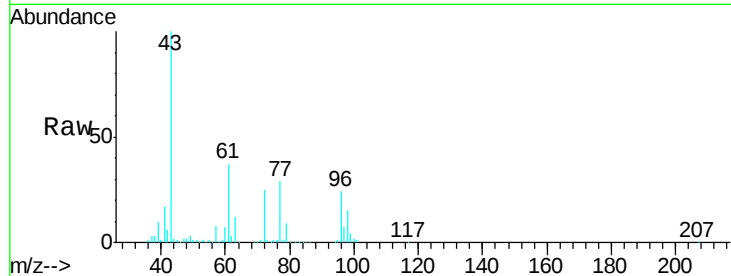
72 25.1 19.9 29.9

Manual Integrations

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MMDadoda

11/5/2019 1:58:53 PM



#26

2,2-Dichloropropane

Concen: 90.811 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059055.D

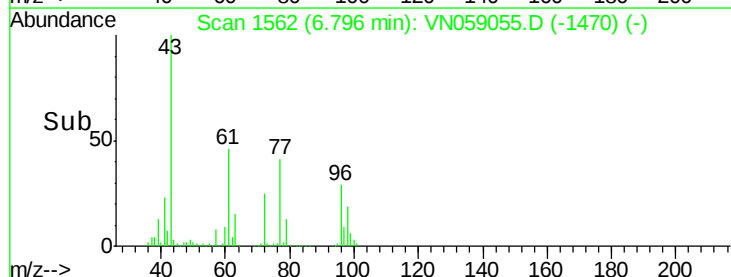
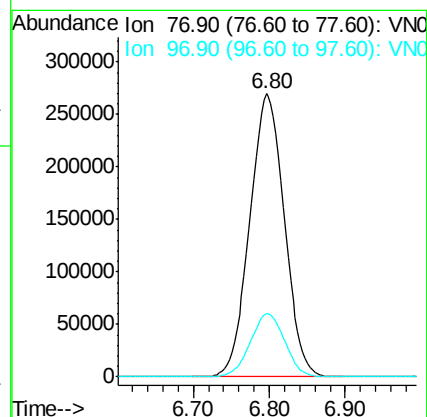
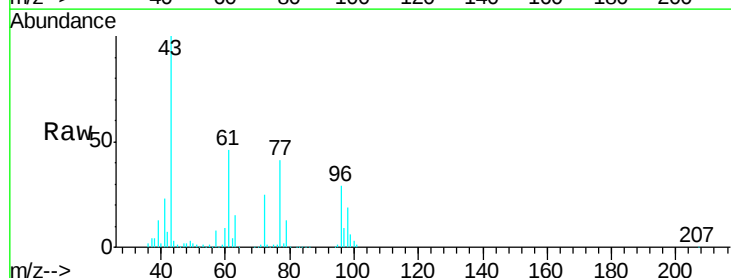
Acq: 1 Nov 2019 11:53

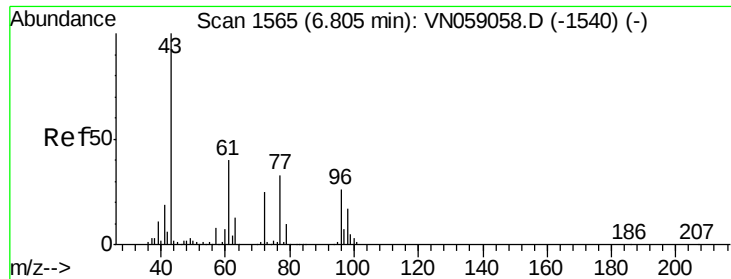
Tgt Ion: 77 Resp: 852630

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 97.296 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

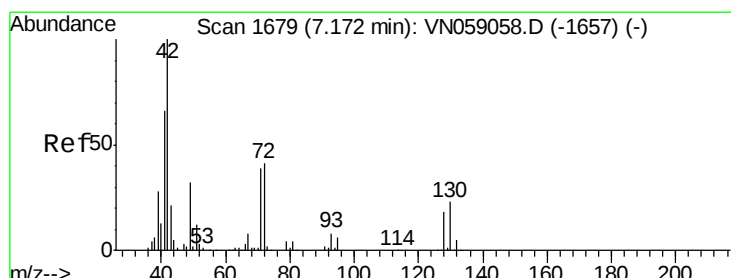
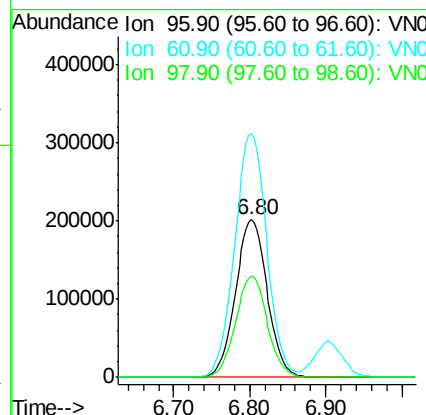
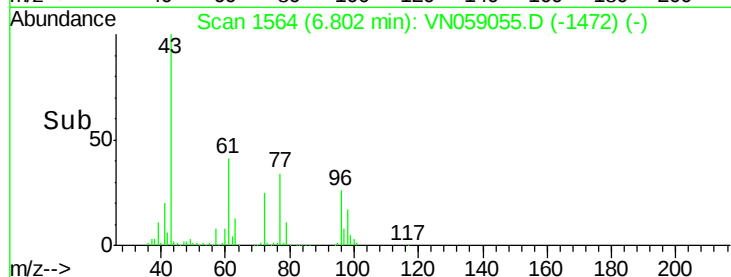
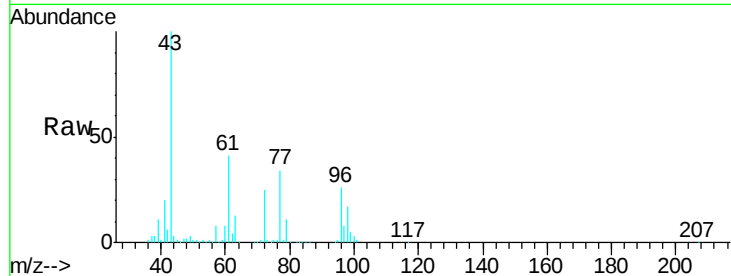
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	583114
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	316.4
98	64.5	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 82.676 ug/l

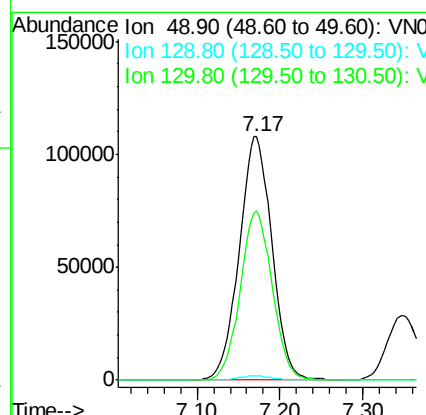
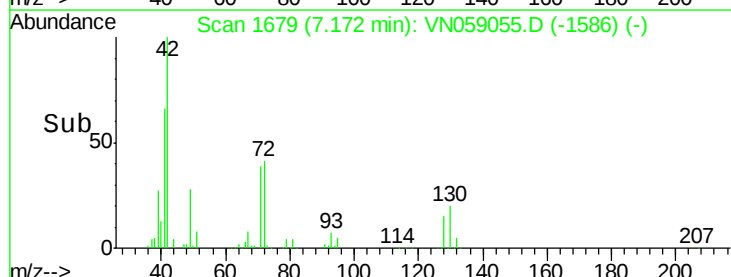
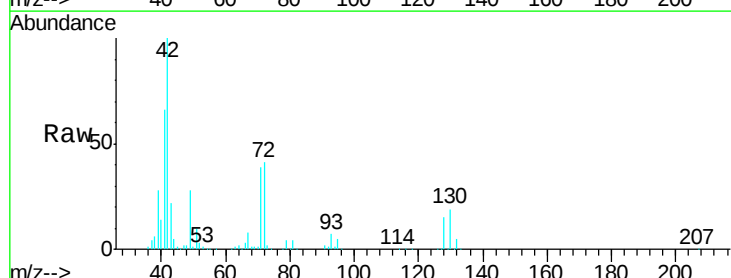
RT: 7.17 min Scan# 1679

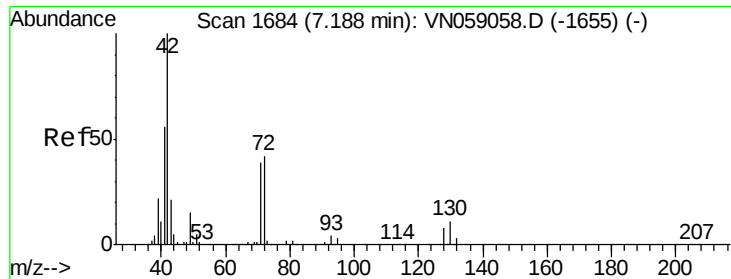
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	49	Resp:	295493
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.1	55.0	82.6





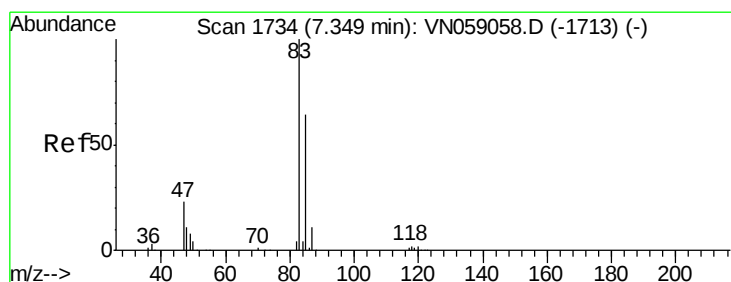
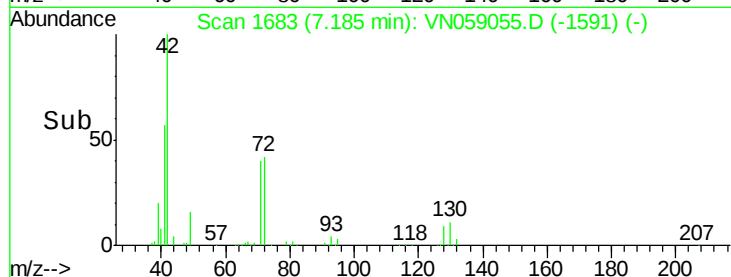
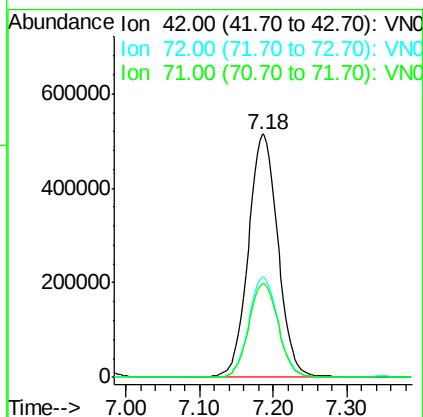
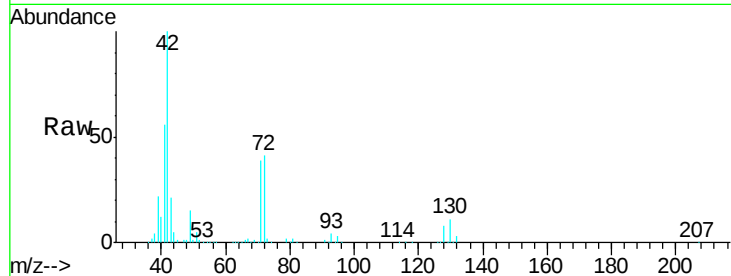
#29
Tetrahydrofuran
Concen: 518.068 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 1436146
Ion Ratio Lower Upper
42 100
72 40.8 32.7 49.1
71 38.8 31.2 46.8

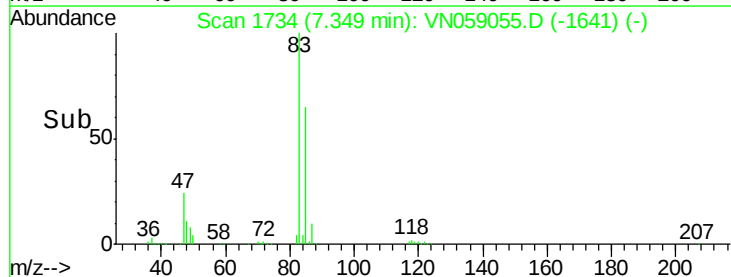
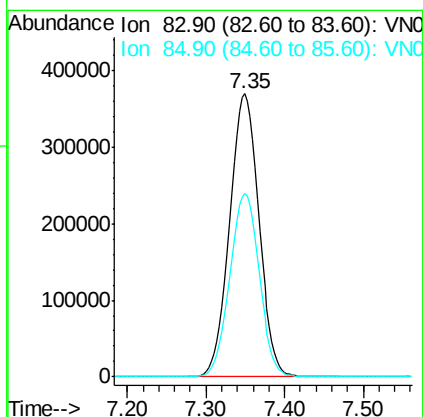
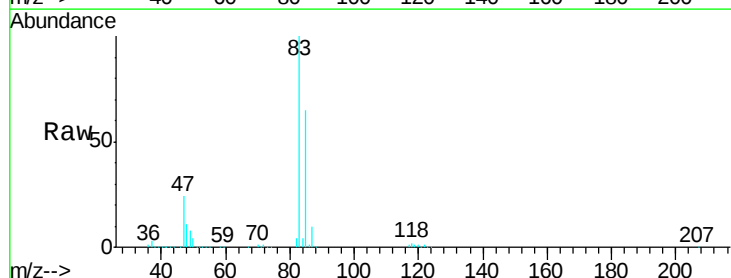
Manual Integrations
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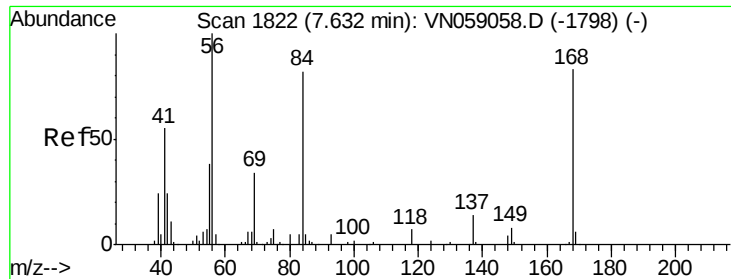
MMDadoda
11/5/2019 1:58:53 PM



#30
Chloroform
Concen: 88.242 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 83 Resp: 957978
Ion Ratio Lower Upper
83 100
85 64.9 50.9 76.3





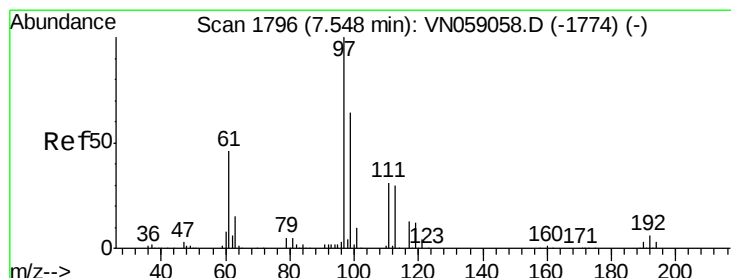
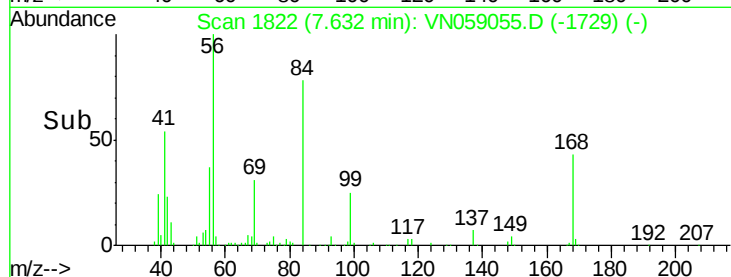
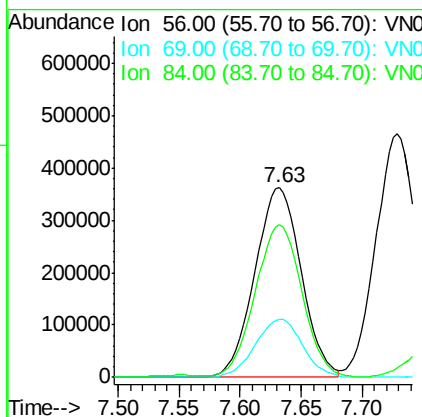
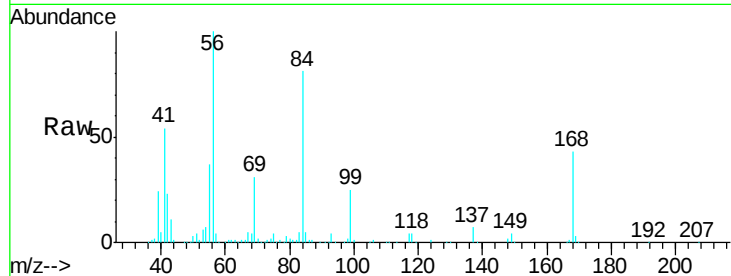
#31
Cyclohexane
Concen: 94.499 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.2	40.8
84	79.5	65.2	97.8

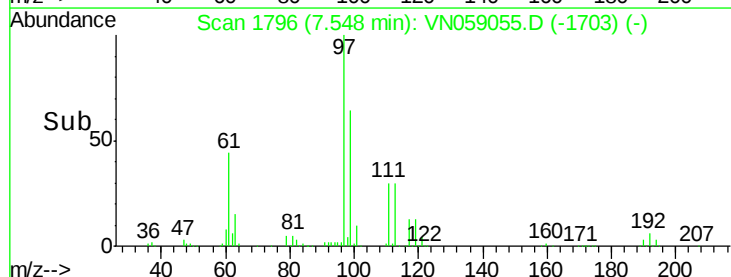
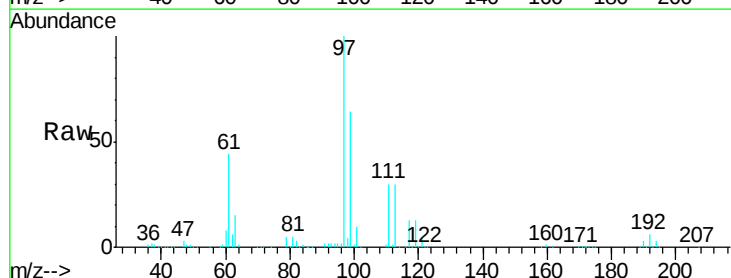
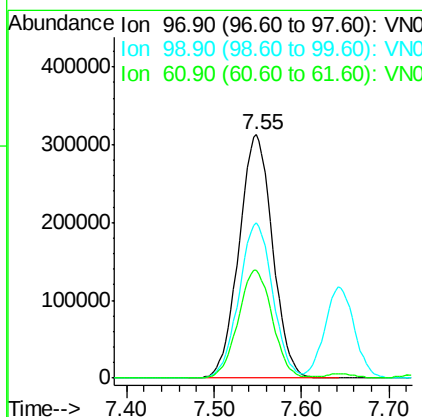
Manual Integrations
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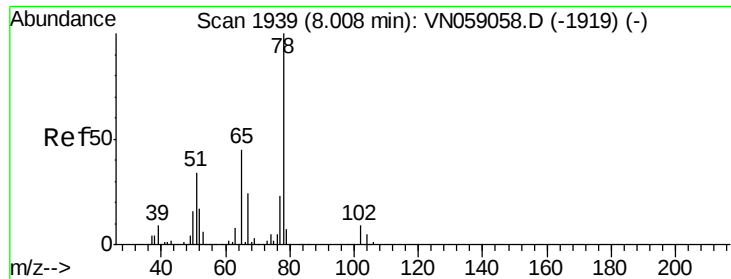
MMDadoda
11/5/2019 1:58:53 PM



#32
1,1,1-Trichloroethane
Concen: 91.320 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	45.0	36.3	54.5





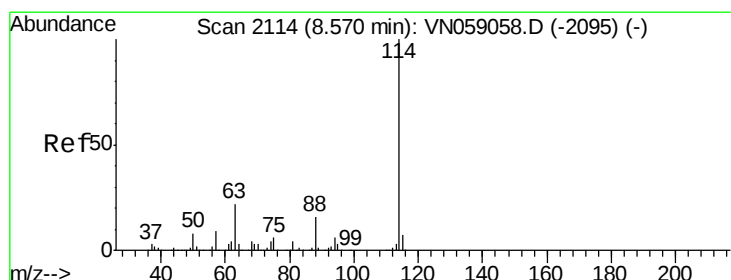
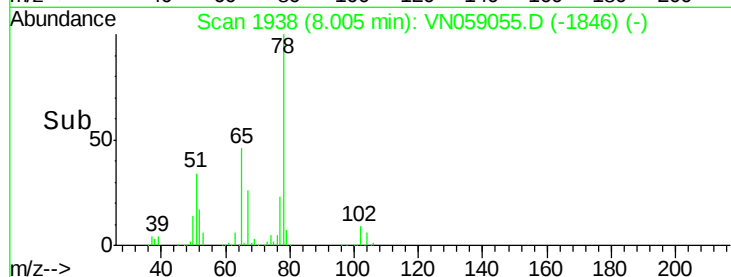
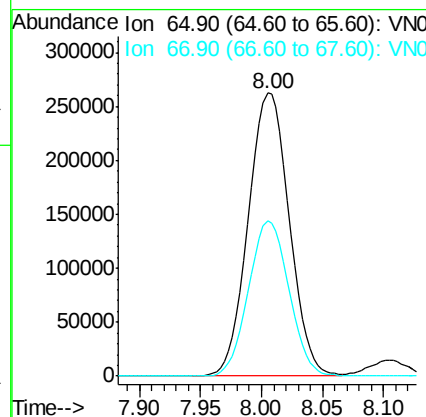
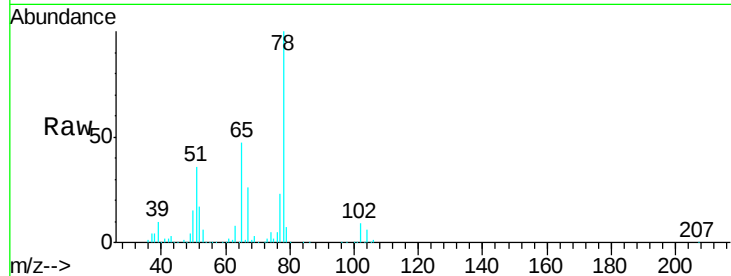
#33
 1,2-Dichloroethane-d4
 Concen: 87.016 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	610824		
67	54.1	0.0	107.6	

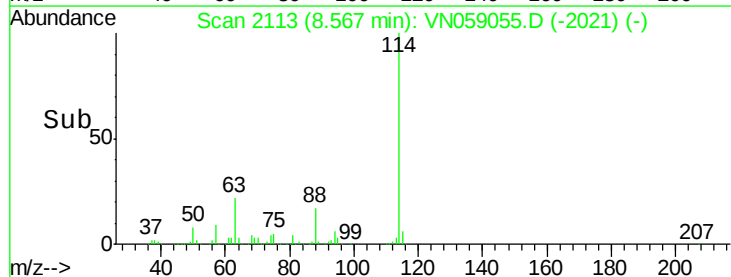
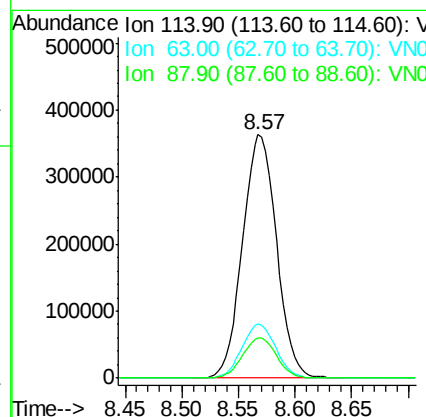
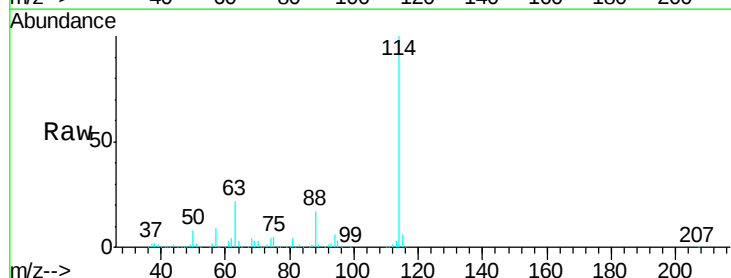
Manual Integrations
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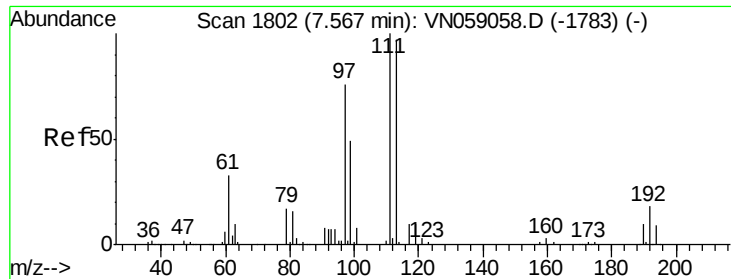
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	761292		
63	22.2	0.0	43.2	
88	16.6	0.0	33.0	





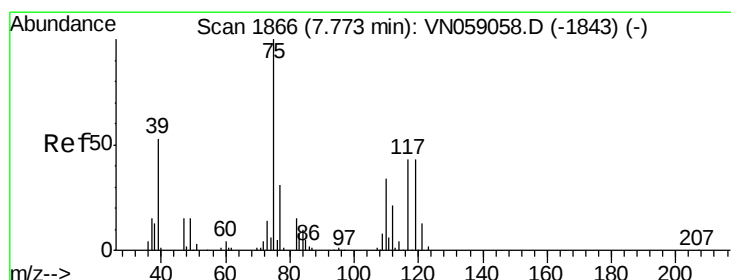
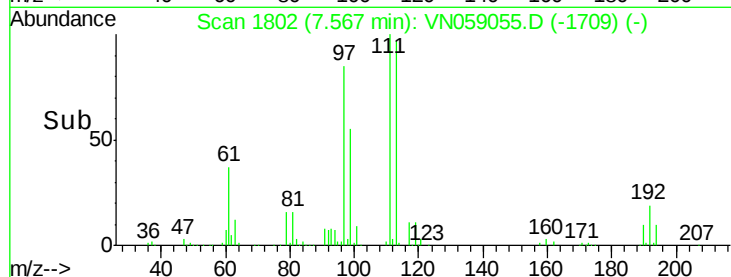
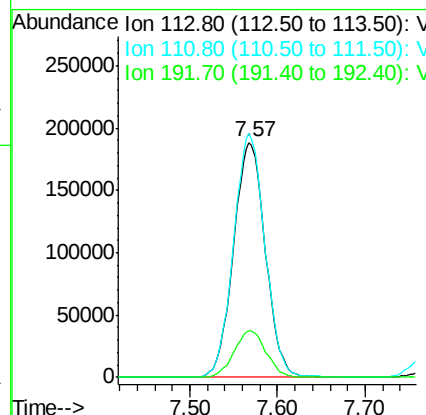
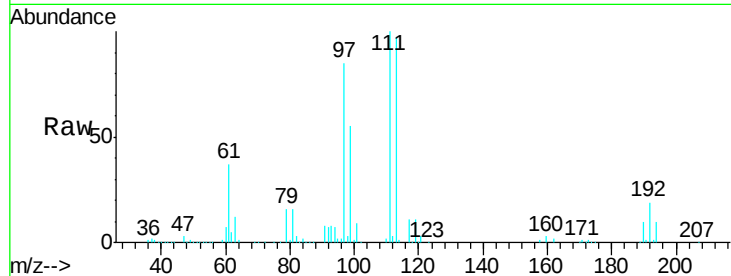
#35
Dibromofluoromethane
Concen: 95.361 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	475546		
111	102.3	82.9	124.3	
192	19.8	15.9	23.9	

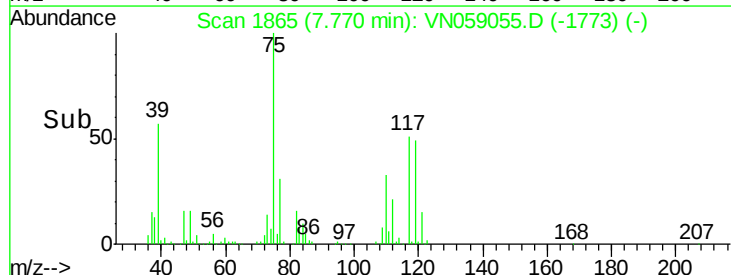
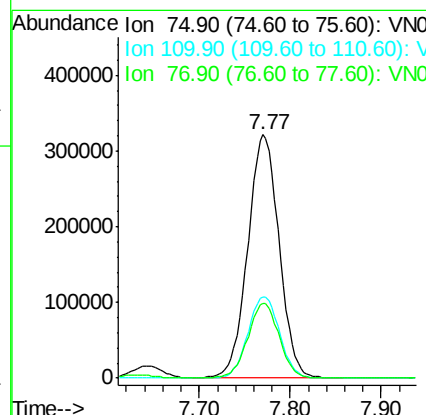
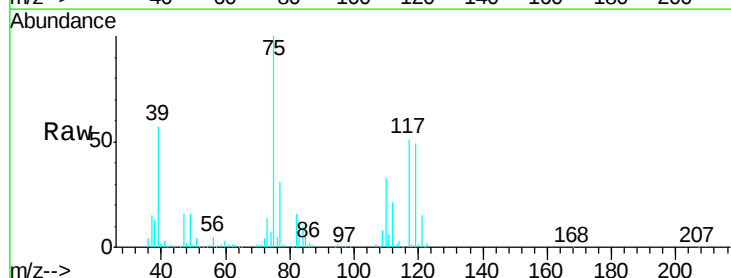
Manual Integrations
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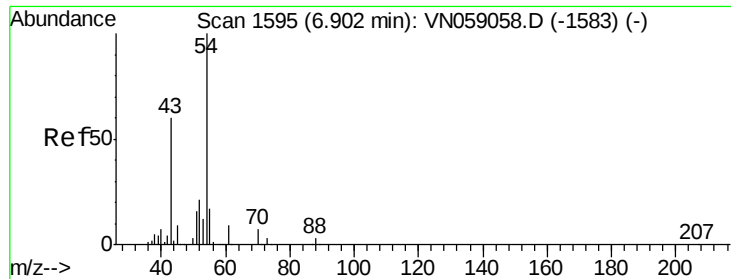
MMDadoda
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#36
1,1-Dichloropropene
Concen: 99.871 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	765589		
110	33.8	16.9	50.6	
77	30.9	25.0	37.4	





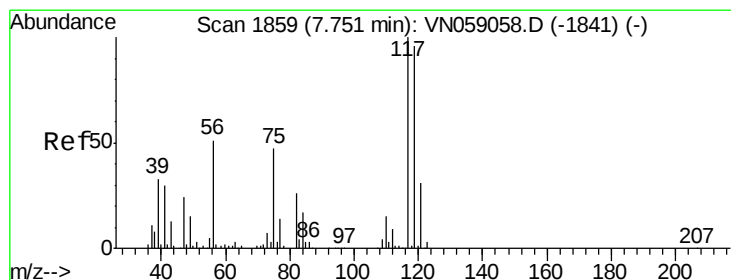
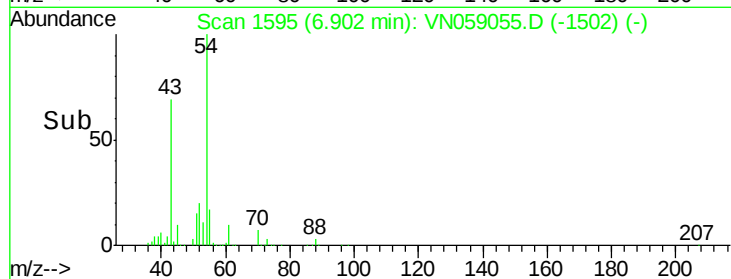
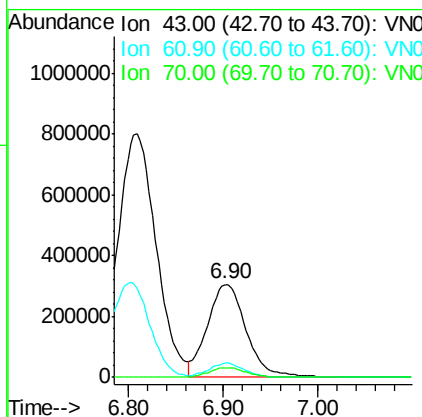
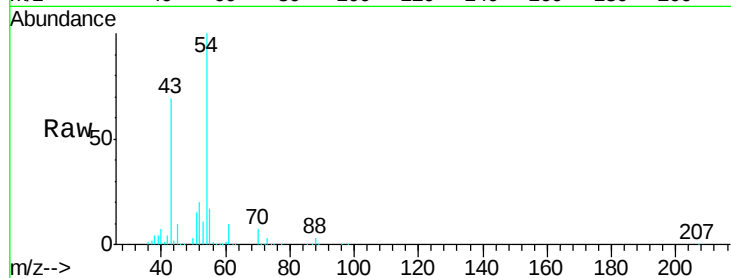
#37
Ethyl Acetate
Concen: 102.936 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	10.2	8.0	12.0

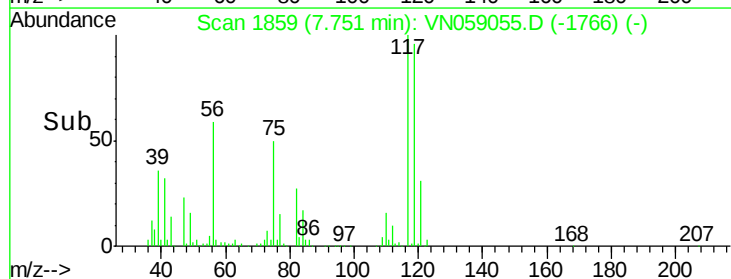
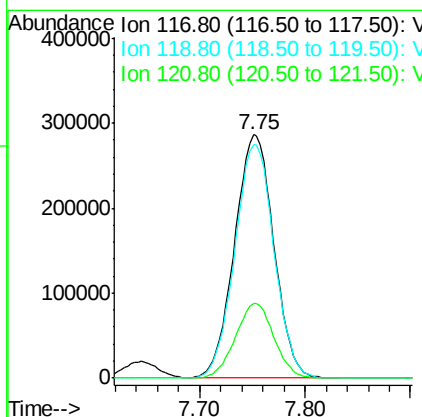
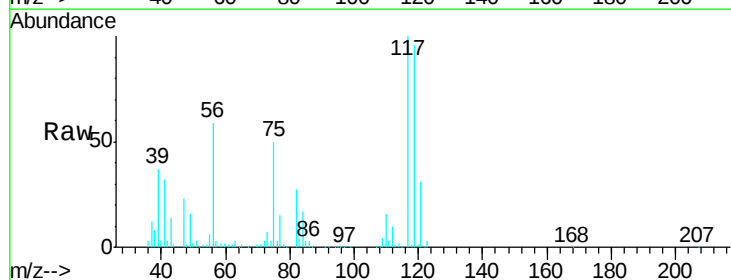
Manual Integrations
APPROVED

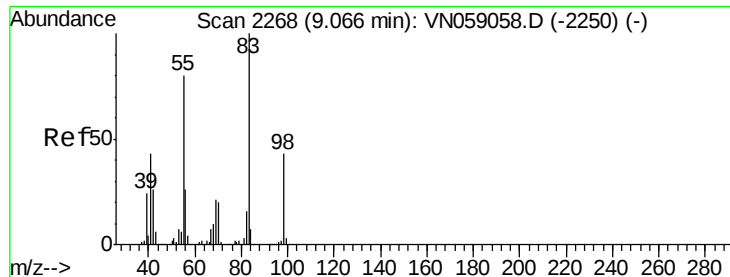
MMDadoda
11/5/2019 1:58:53 PM



#38
Carbon Tetrachloride
Concen: 93.805 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
121	30.8	24.6	37.0





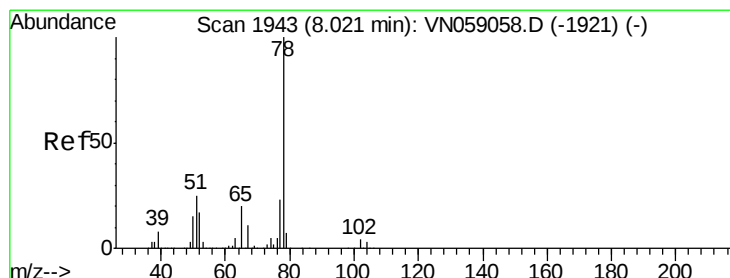
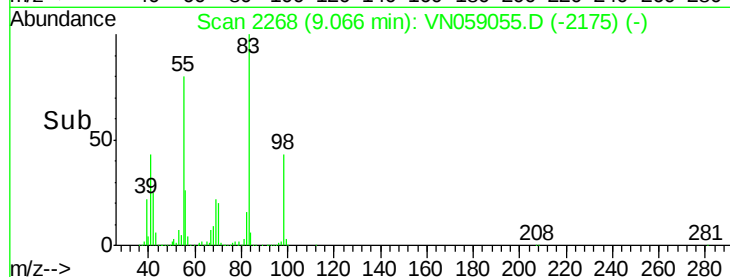
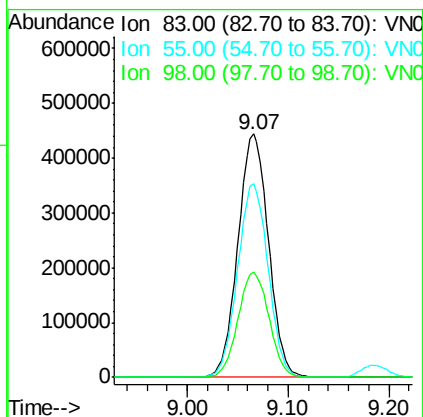
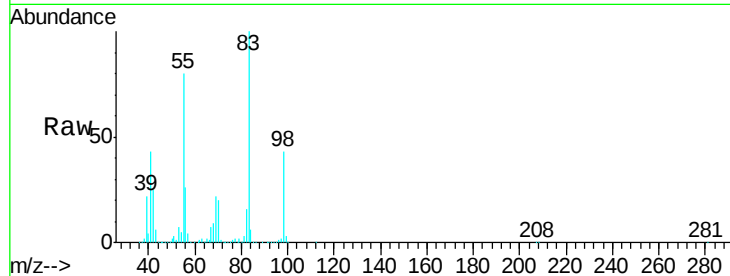
#39
Methylcyclohexane
Concen: 107.292 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.1	96.1
98	43.2	34.3	51.5

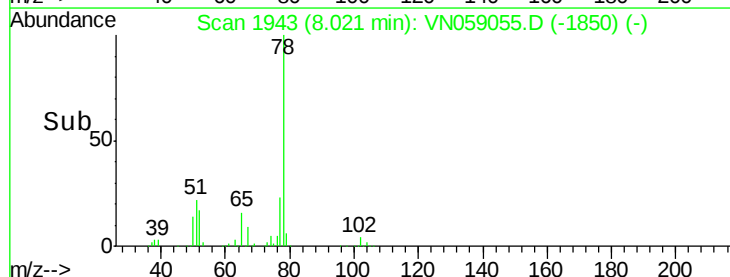
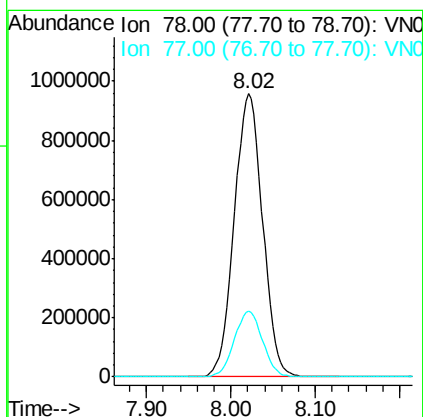
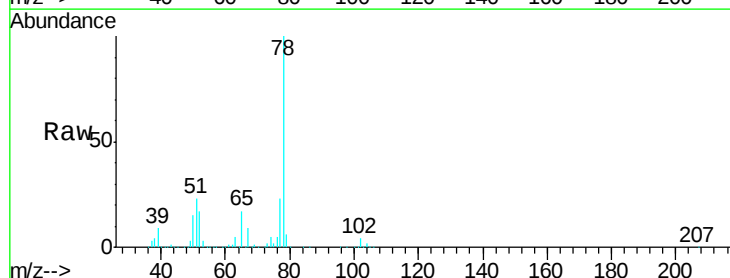
Manual Integrations
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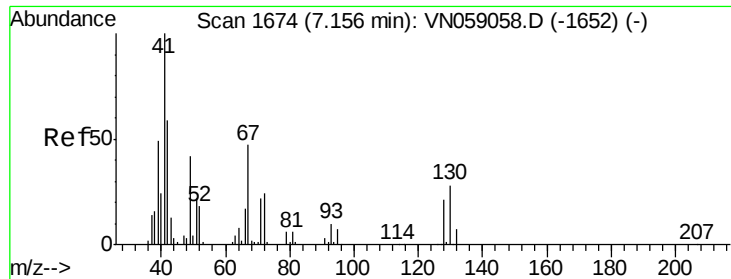
MMDadoda
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#40
Benzene
Concen: 99.320 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	27.8





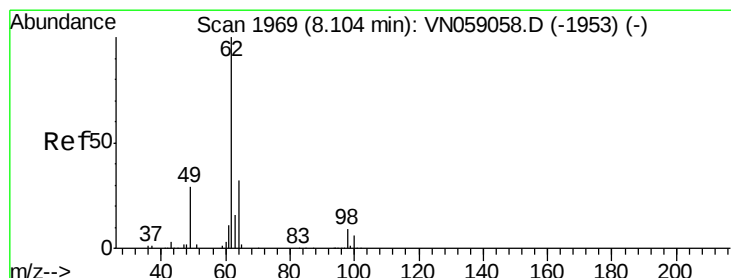
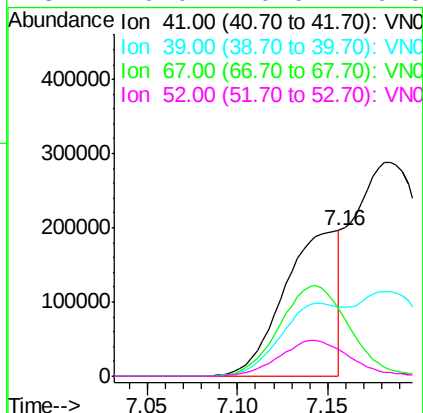
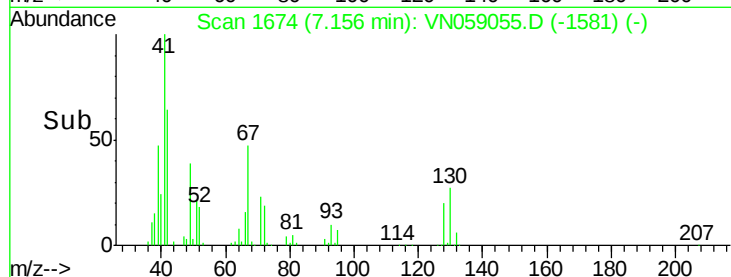
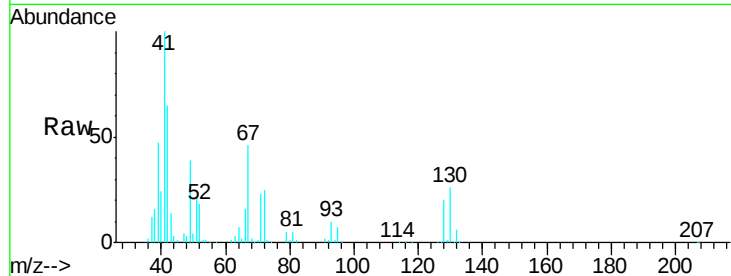
#41
Methacrylonitrile
Concen: 108.576 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp Lower	Resp Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

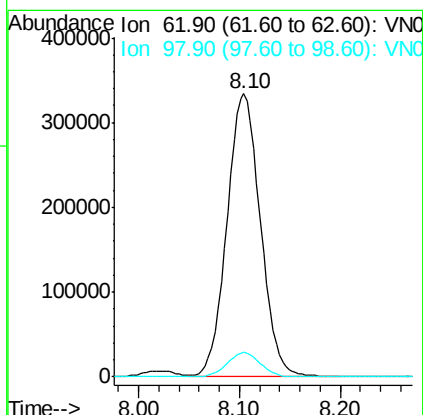
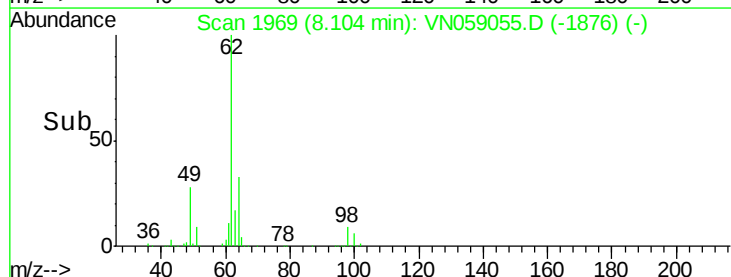
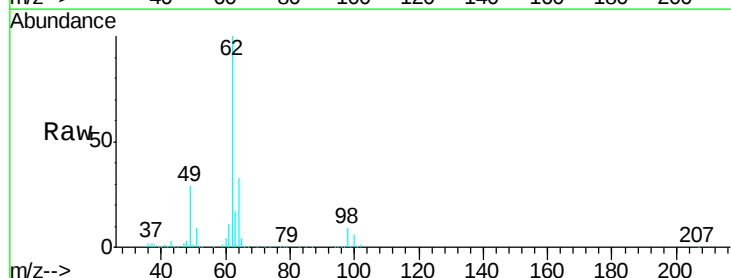
Manual Integrations
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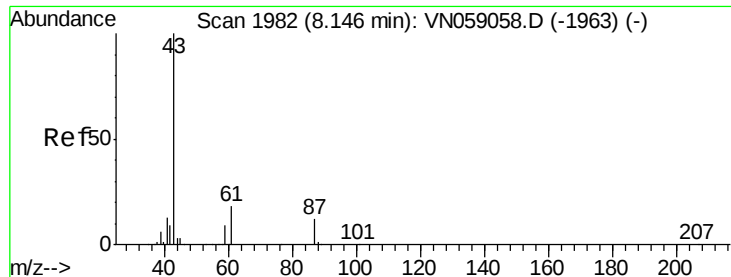
MMDadoda
11/5/2019 1:58:53 PM



#42
1,2-Dichloroethane
Concen: 89.733 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
62	100		
98	8.6	0.0	18.0





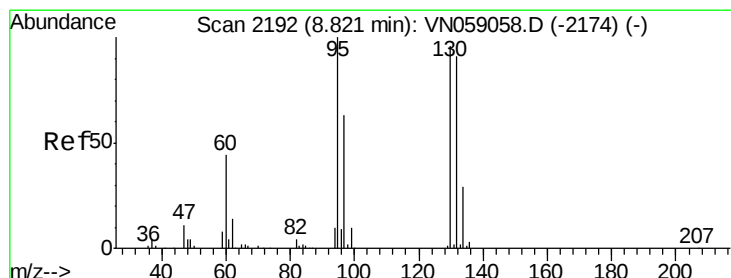
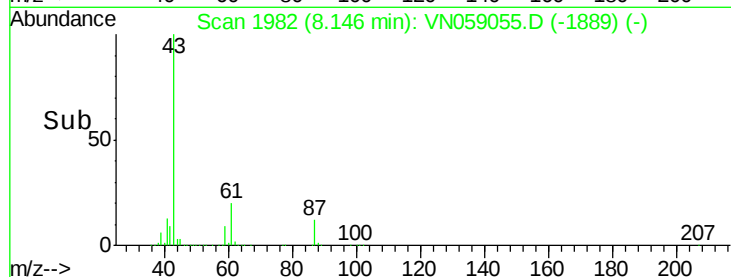
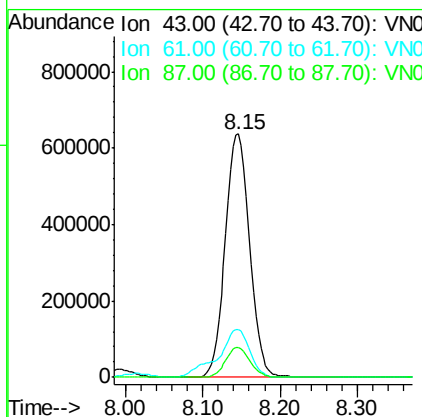
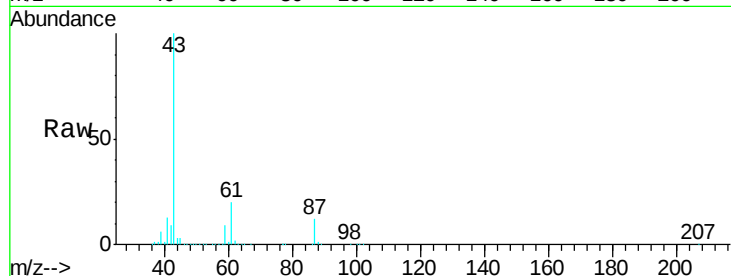
#43
Isopropyl Acetate
Concen: 102.987 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1384921
Ion Ratio Lower Upper
43 100
61 25.6 20.5 30.7
87 12.2 9.8 14.8

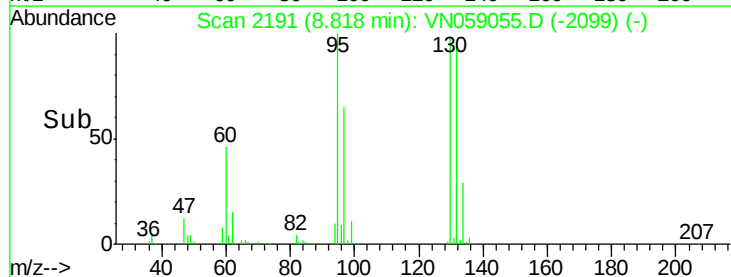
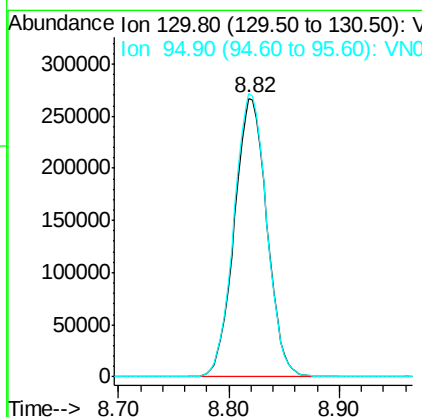
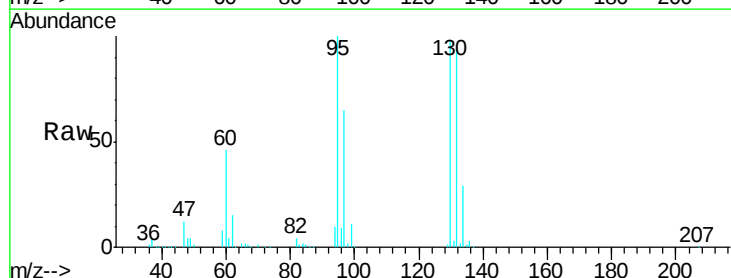
Manual Integrations
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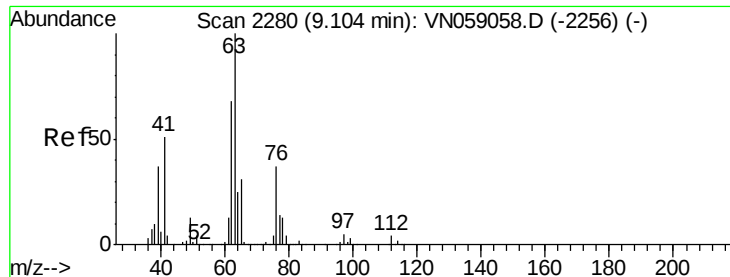
MMDadoda
11/5/2019 1:58:53 PM



#44
Trichloroethene
Concen: 99.061 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 130 Resp: 546736
Ion Ratio Lower Upper
130 100
95 101.7 0.0 207.6





#45

1,2-Dichloropropane

Concen: 98.675 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 611253

Ion Ratio Lower Upper

63 100

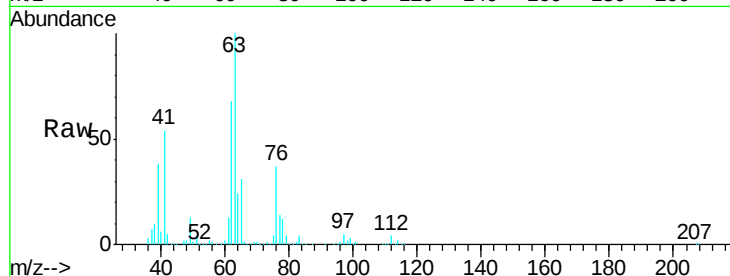
65 30.7 25.0 37.6

Manual Integrations

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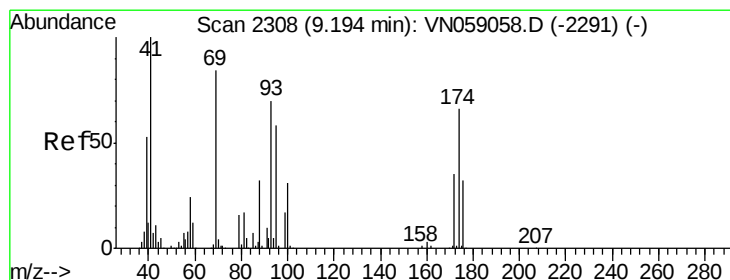
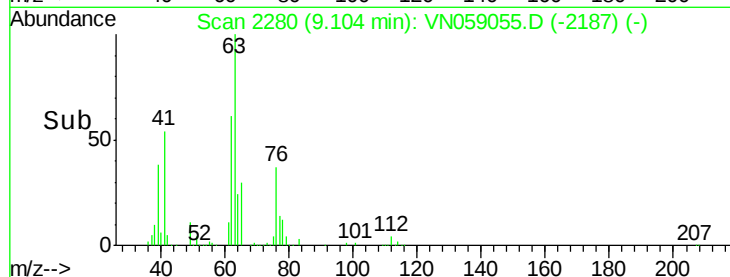
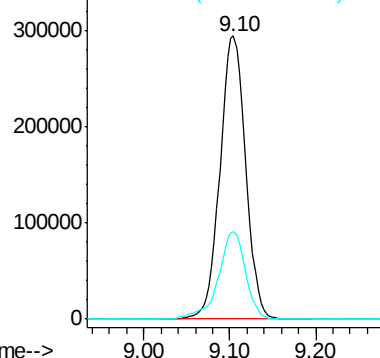
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 96.840 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

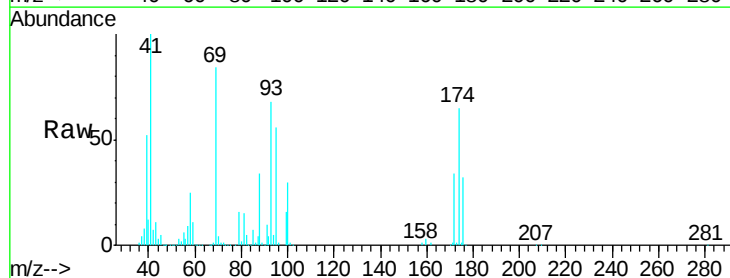
Tgt Ion: 93 Resp: 377740

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

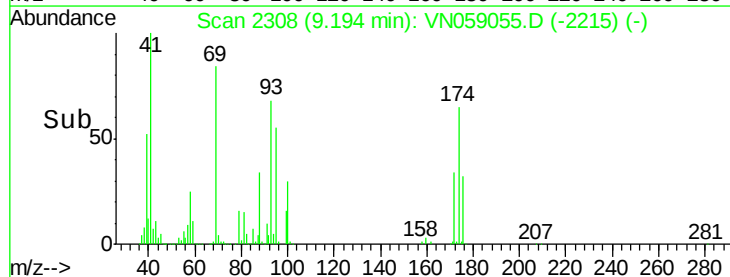
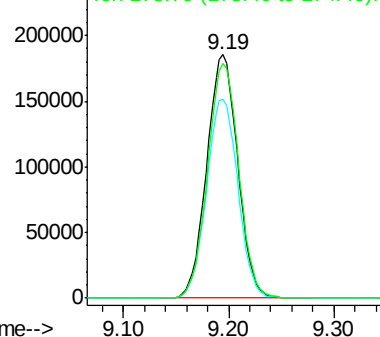
174 97.0 78.3 117.5

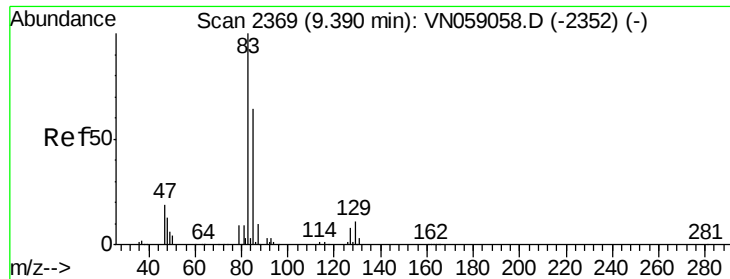


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 96.666 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

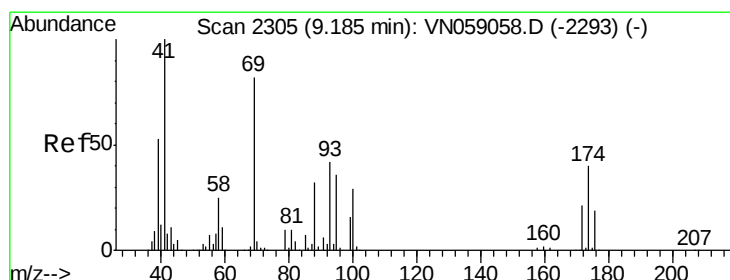
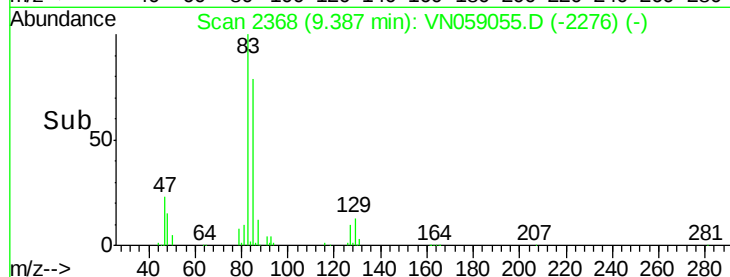
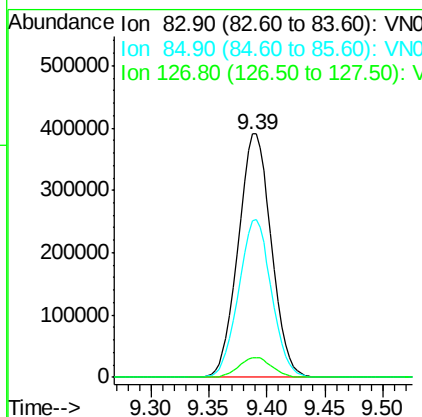
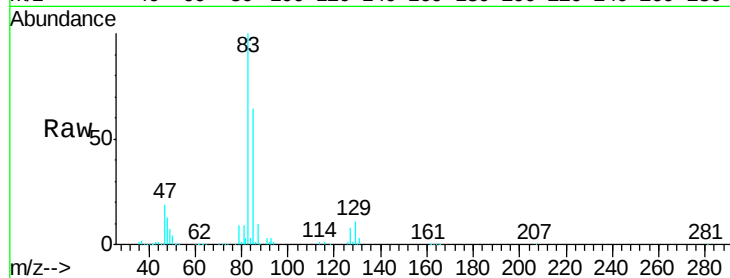
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	775283
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.2	76.8
127	8.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 106.913 ug/l

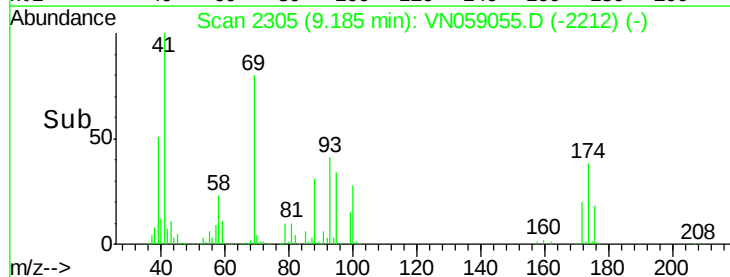
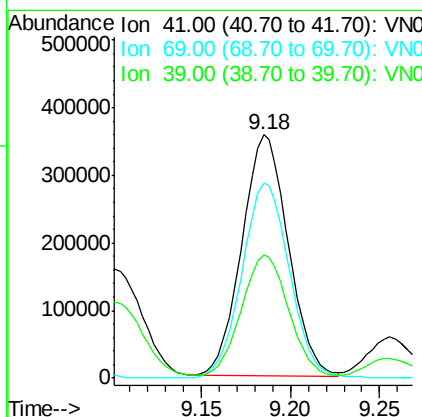
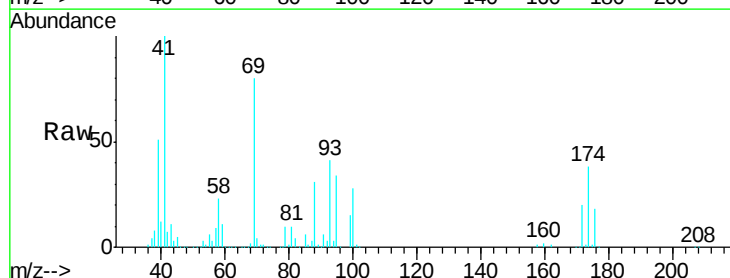
RT: 9.18 min Scan# 2305

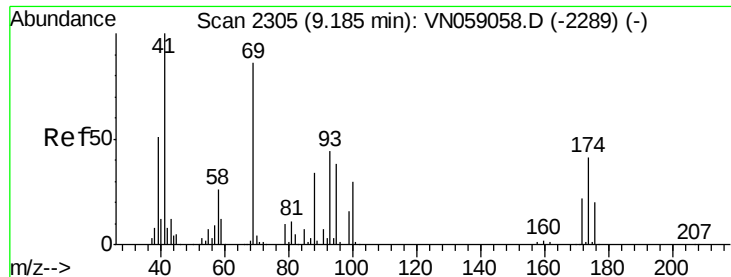
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	41	Resp:	648148
Ion Ratio	Lower	Upper	
41	100		
69	83.4	67.1	100.7
39	52.8	43.3	64.9





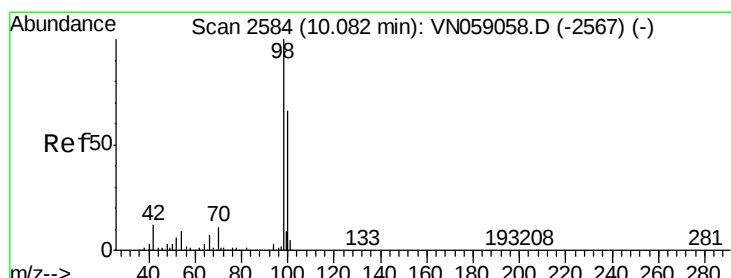
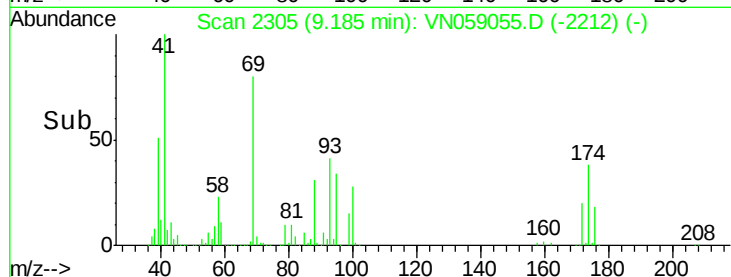
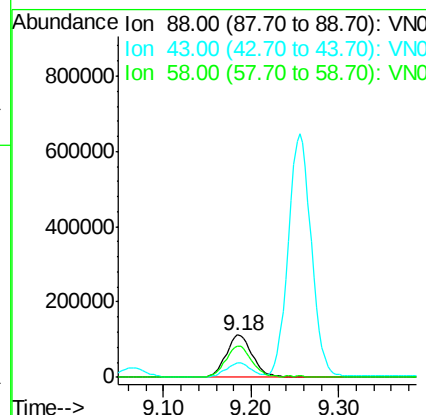
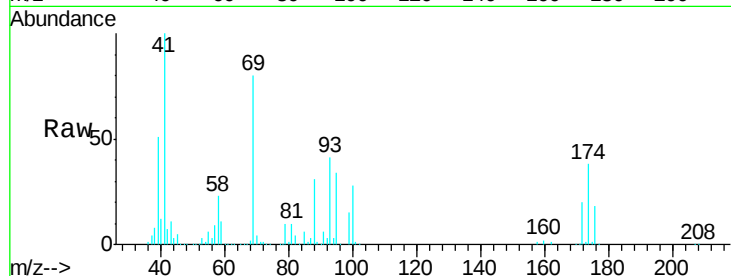
#49
1,4-Dioxane
Concen: 2327.802 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	237333		
43	32.0	26.2	39.2	
58	72.7	59.1	88.7	

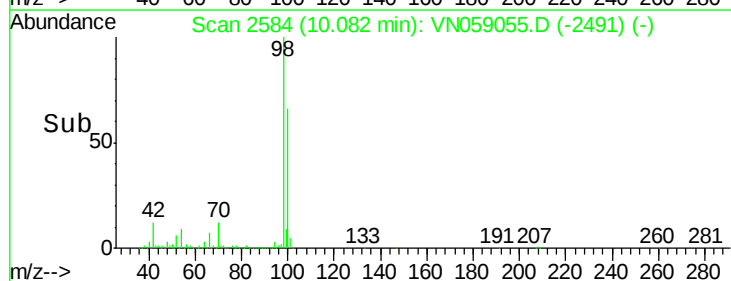
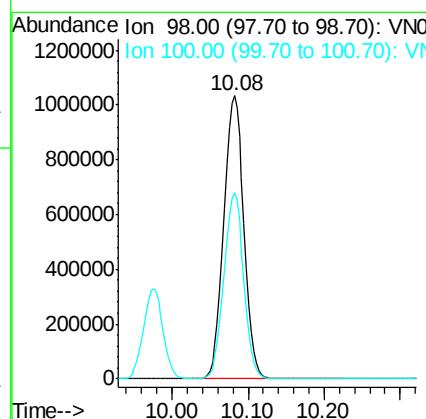
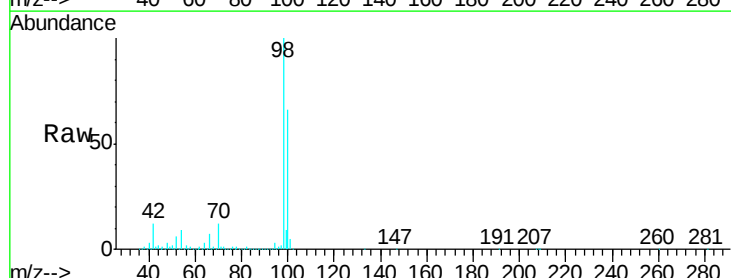
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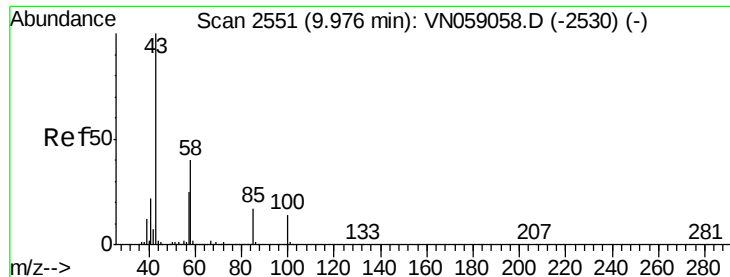
MMDadoda
11/5/2019 1:58:53 PM



#50
Toluene-d8
Concen: 97.405 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1895014		
100	64.8	51.7	77.5	





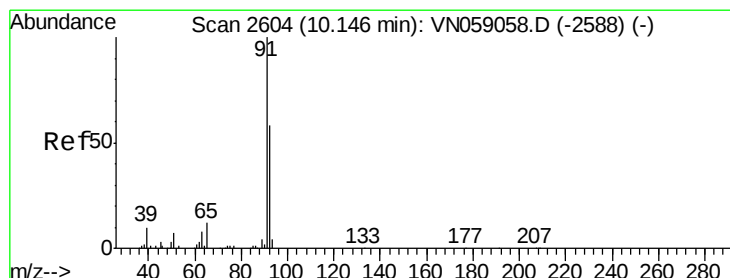
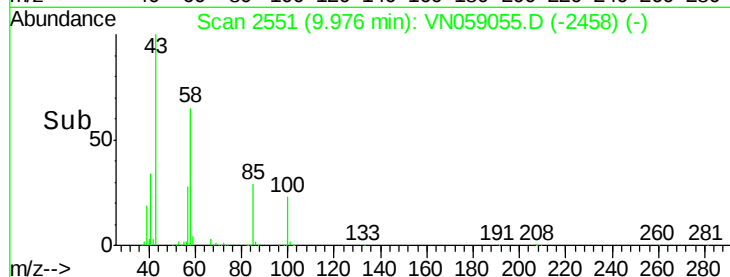
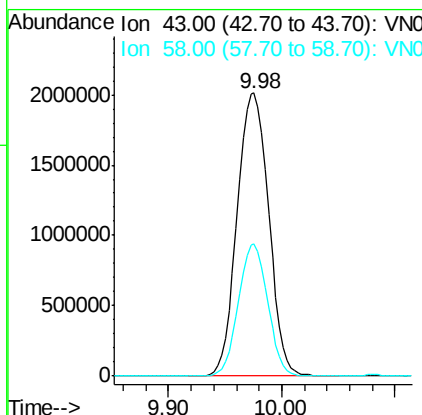
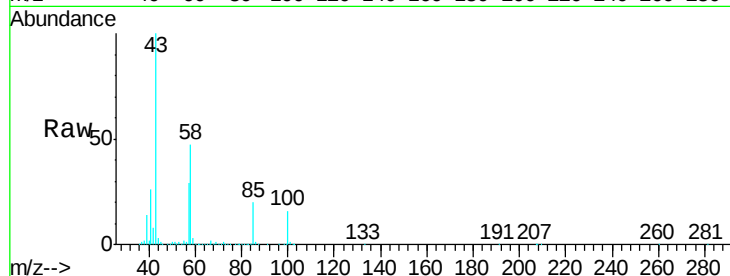
#51
4-Methyl-2-Pentanone
Concen: 501.528 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 3920482
Ion Ratio Lower Upper
43 100
58 43.3 31.8 47.6

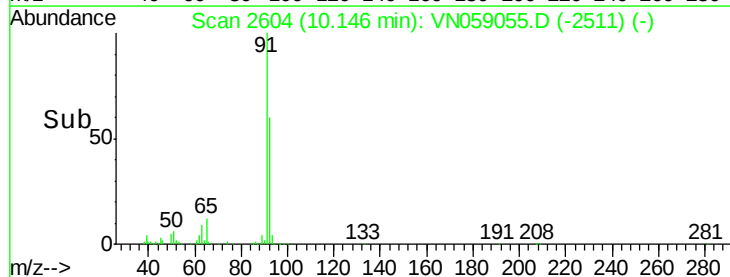
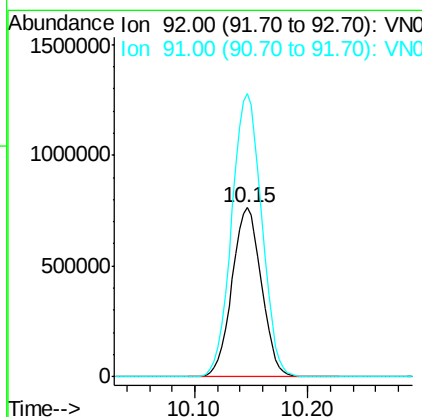
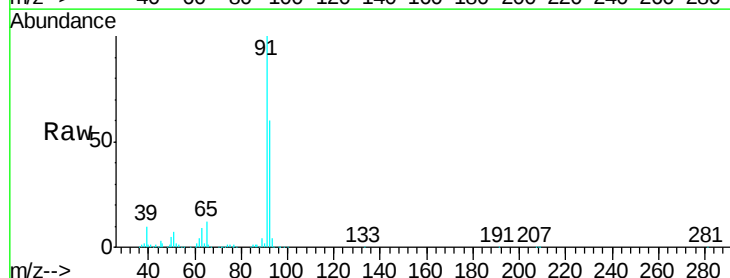
Manual Integrations
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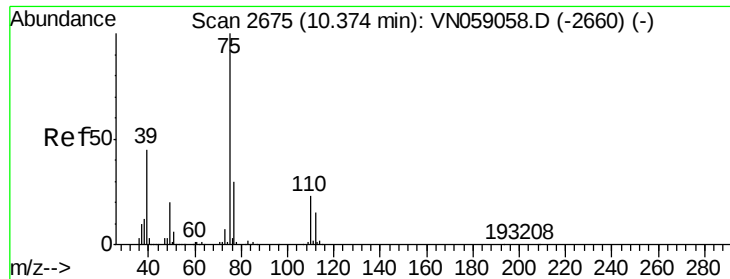
MMDadoda
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#52
Toluene
Concen: 103.515 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 92 Resp: 1384813
Ion Ratio Lower Upper
92 100
91 170.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 103.199 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 918834

Ion Ratio Lower Upper

75 100

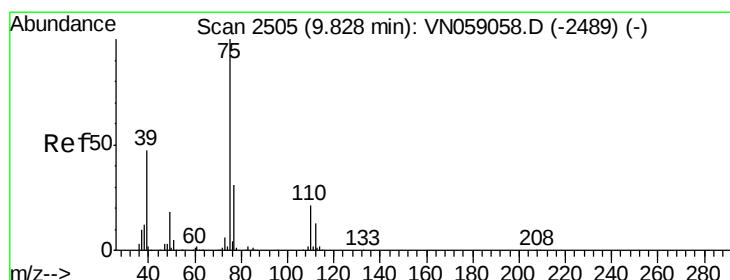
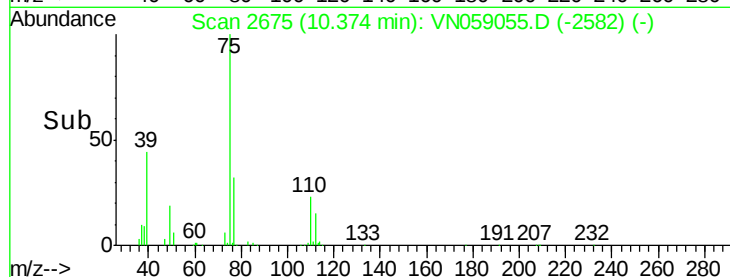
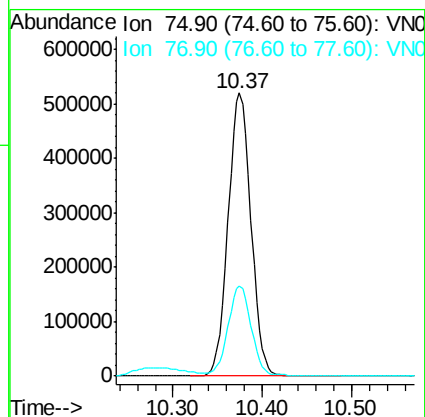
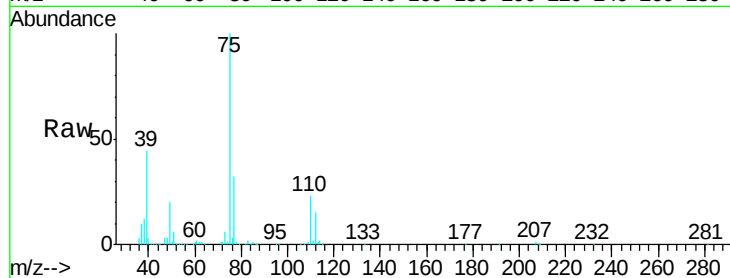
77 31.9 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 102.863 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

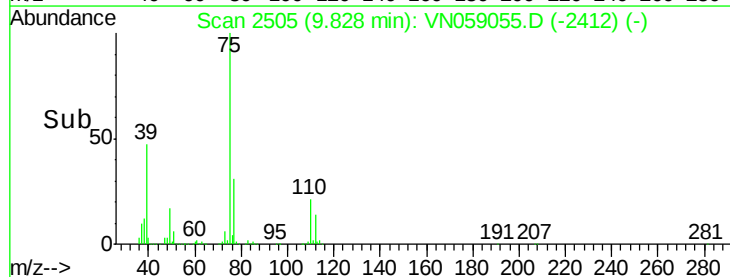
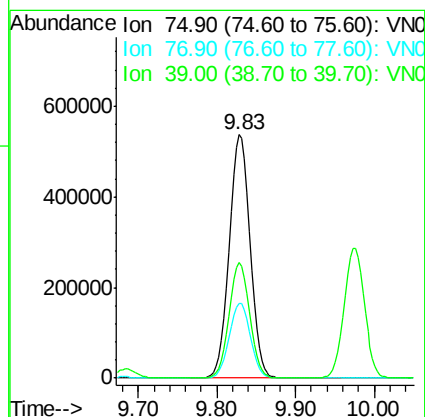
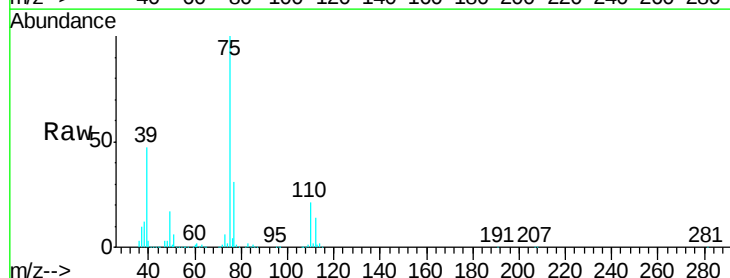
Tgt Ion: 75 Resp: 980967

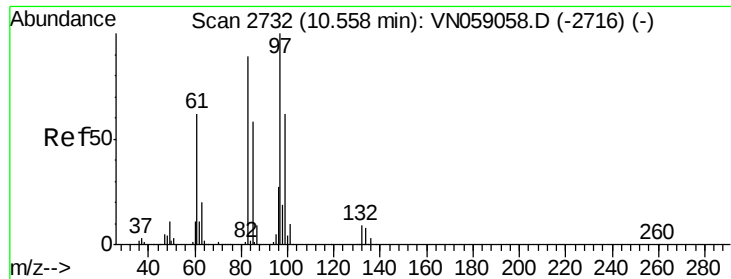
Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

39 47.3 37.4 56.2





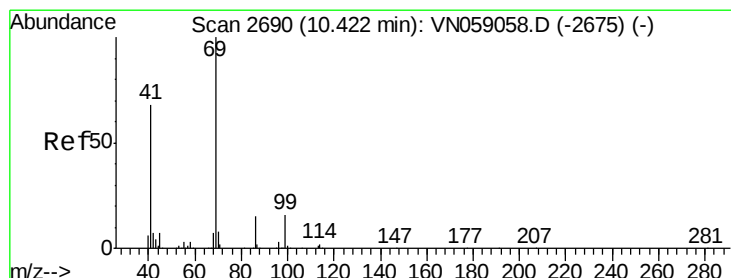
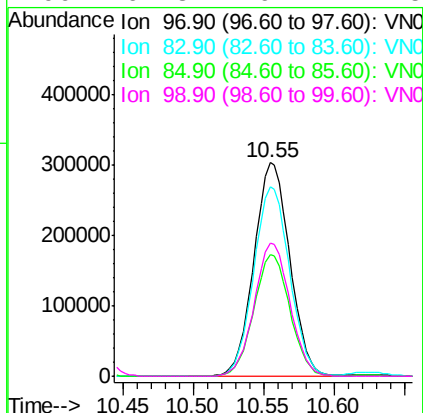
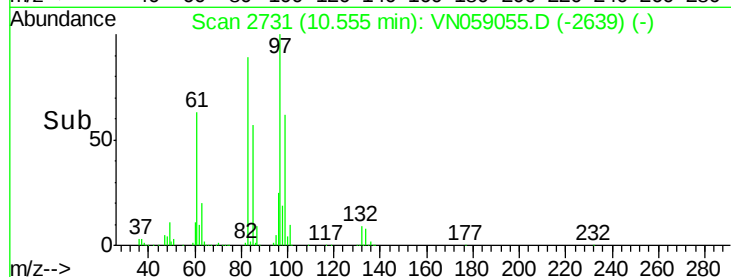
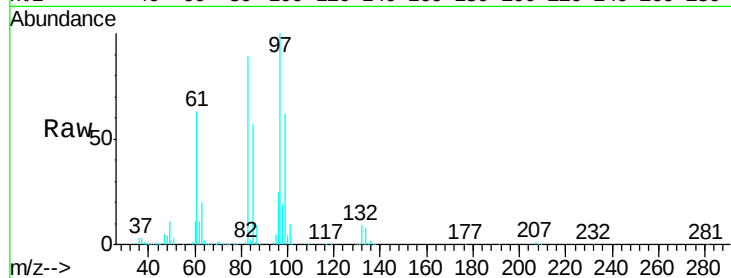
#55
 1,1,2-Trichloroethane
 Concen: 97.627 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.4	107.2
85	57.1	46.6	70.0
99	62.3	49.7	74.5

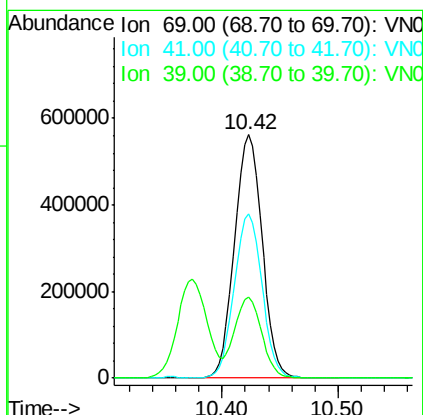
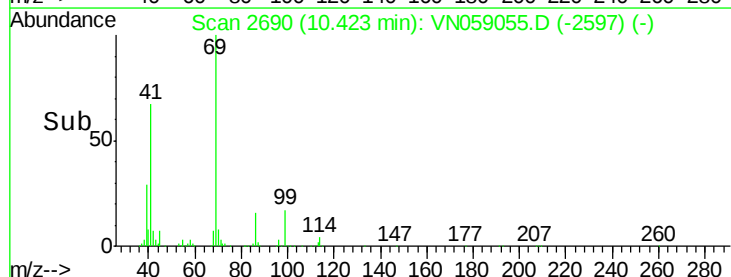
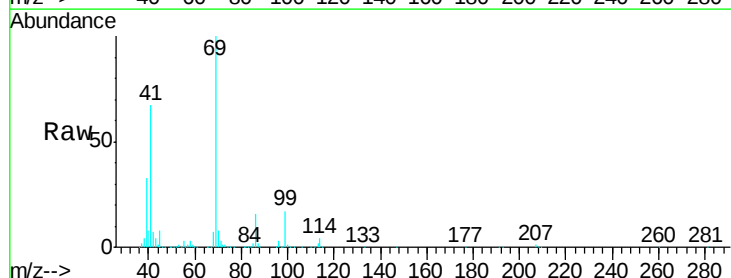
Manual Integrations
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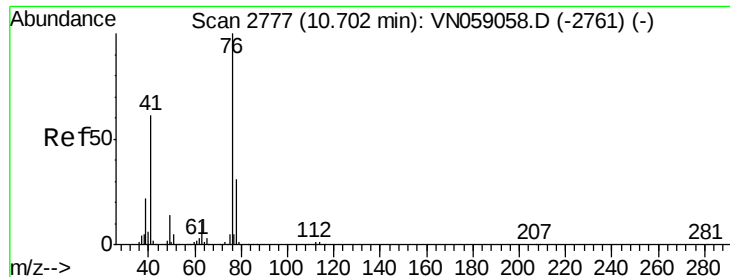
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 11/5/2019 1:58:53 PM



#56
 Ethyl methacrylate
 Concen: 114.552 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.8	80.8
39	32.5	26.2	39.2





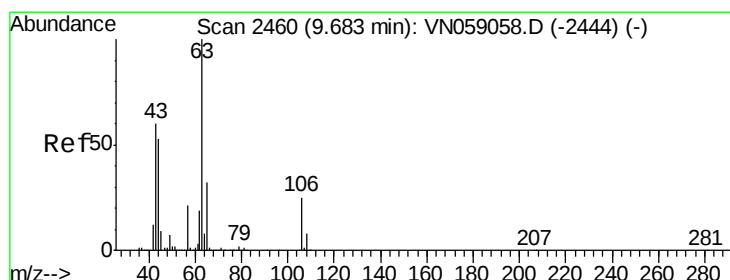
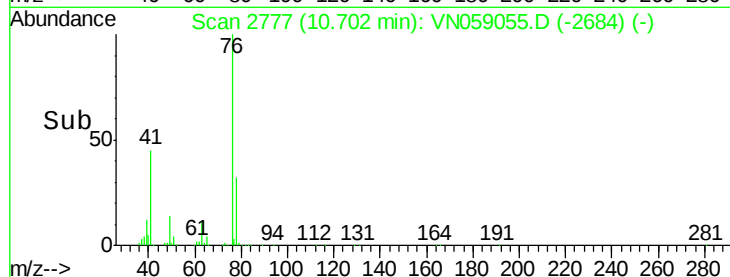
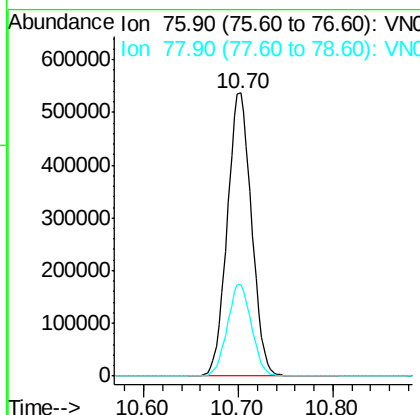
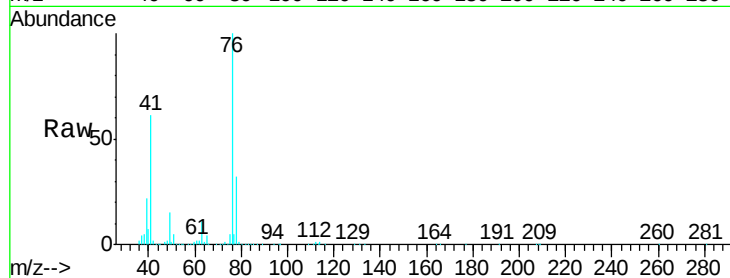
#57
 1,3-Dichloropropane
 Concen: 99.031 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 955443
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

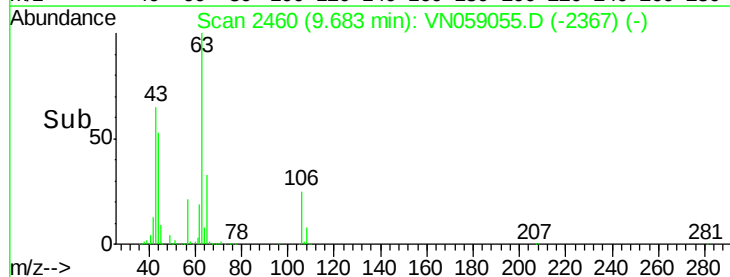
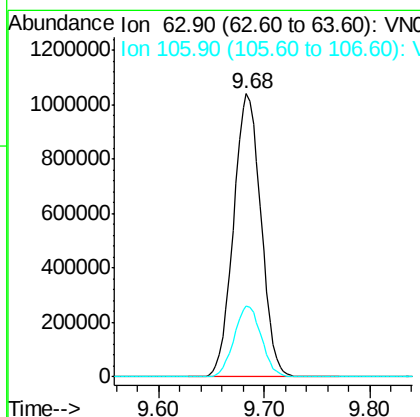
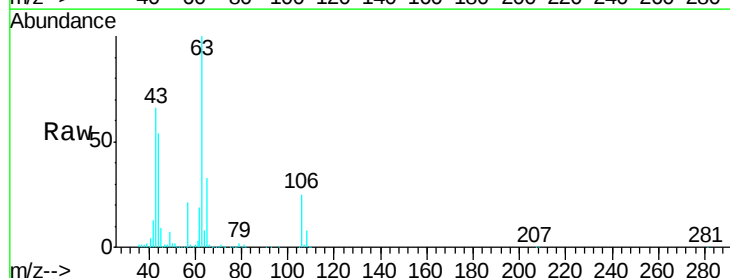
Manual Integrations
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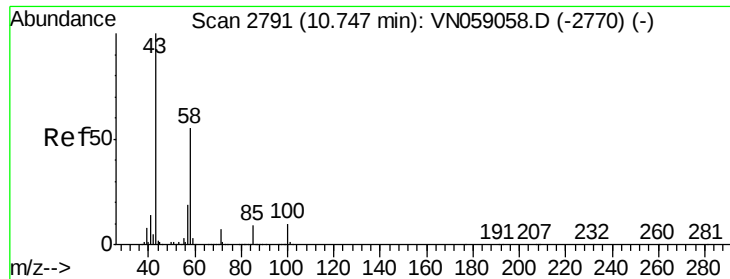
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#58
 2-Chloroethyl Vinyl ether
 Concen: 545.705 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 63 Resp: 1869874
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.6





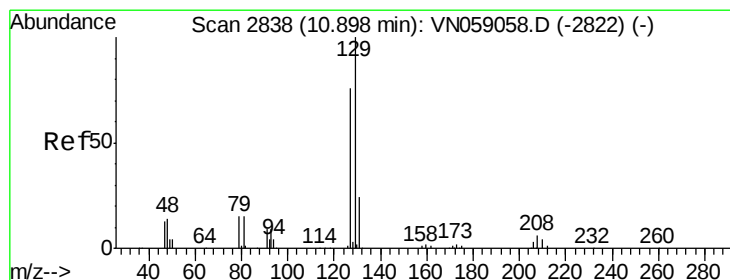
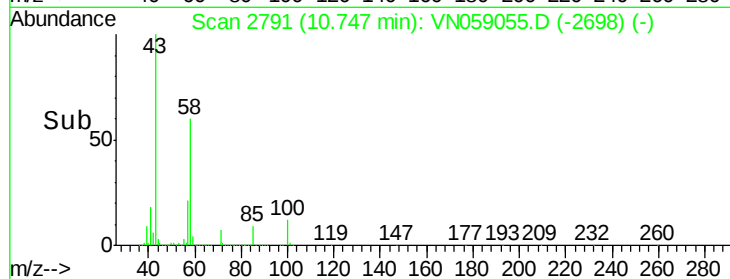
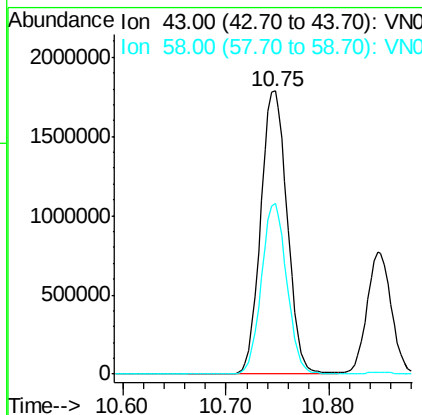
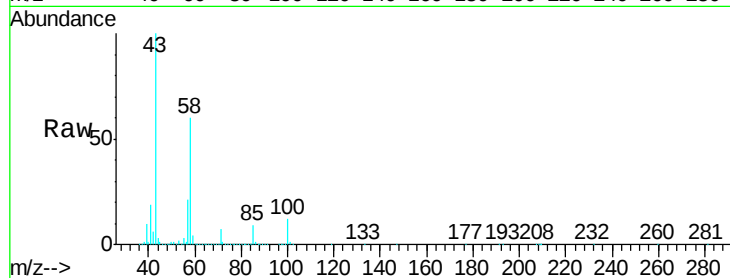
#59
2-Hexanone
Concen: 525.861 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3170874
Ion Ratio Lower Upper
43 100
58 57.9 27.4 82.2

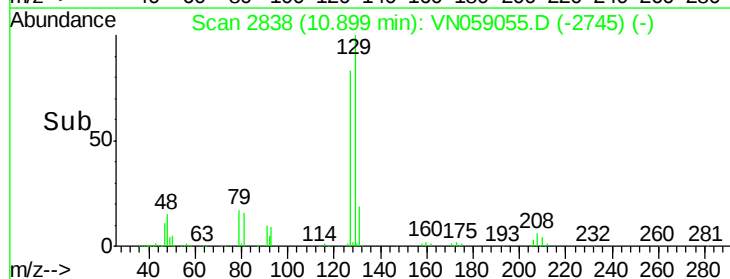
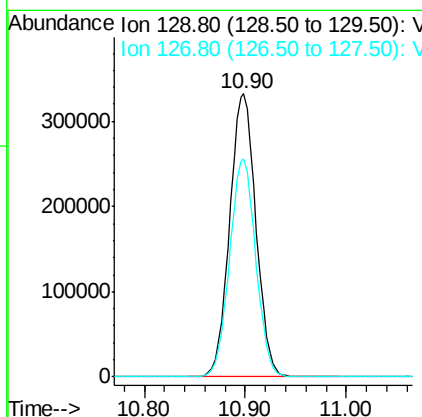
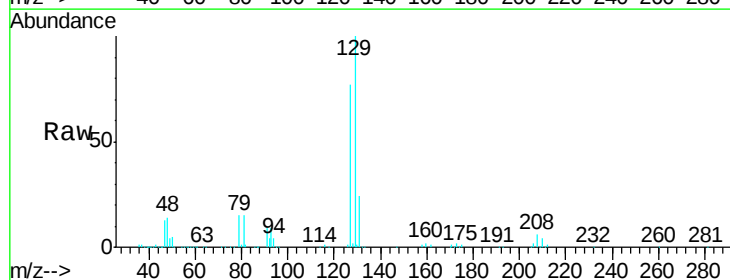
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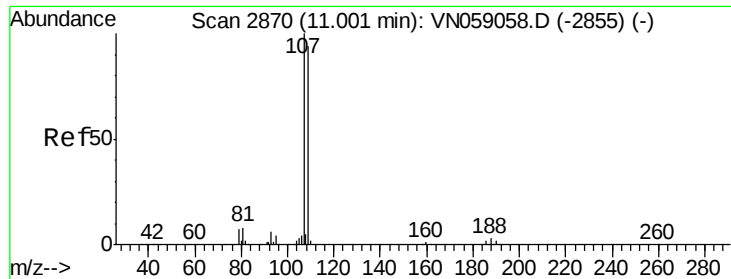
MMDadoda
11/5/2019 1:58:53 PM



#60
Dibromochloromethane
Concen: 101.556 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 129 Resp: 602545
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





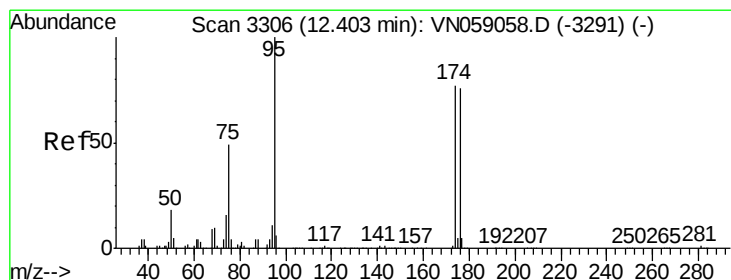
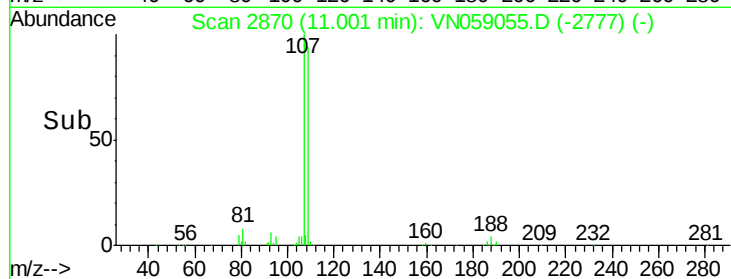
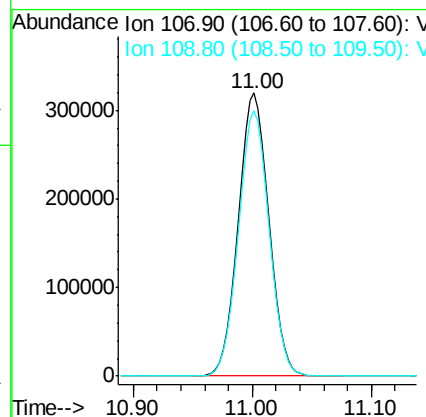
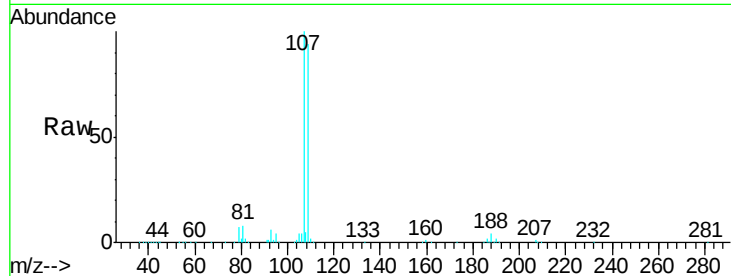
#61
 1,2-Dibromoethane
 Concen: 100.941 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	568961		
109	94.1	75.5	113.3	

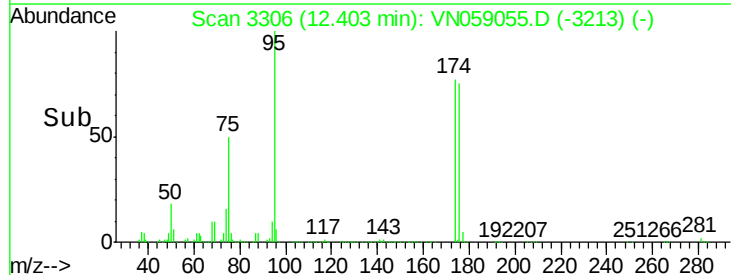
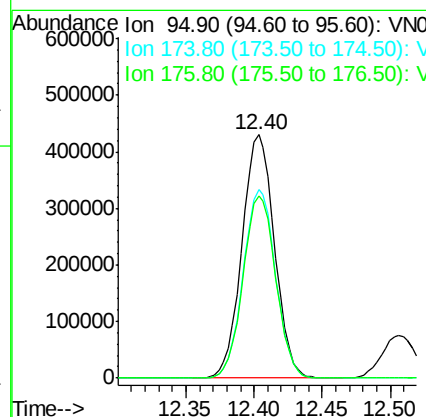
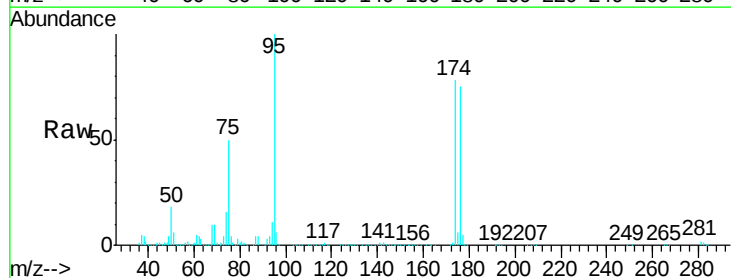
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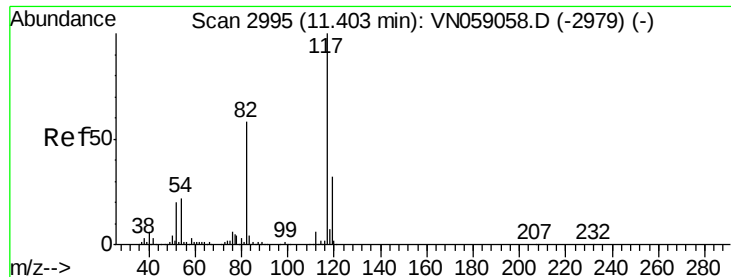
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 99.572 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	709606		
174	77.5	0.0	155.8	
176	75.5	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: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

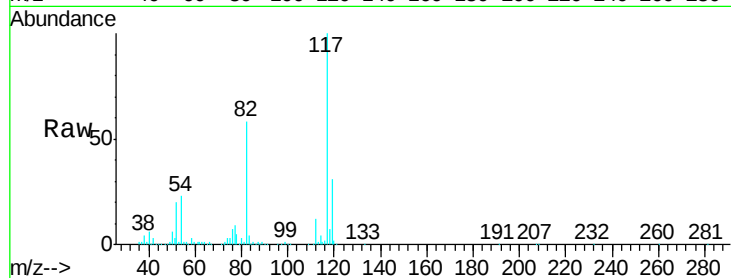
ClientSampled :

VSTDIC100

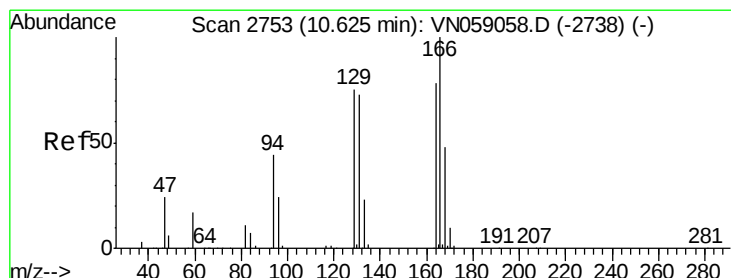
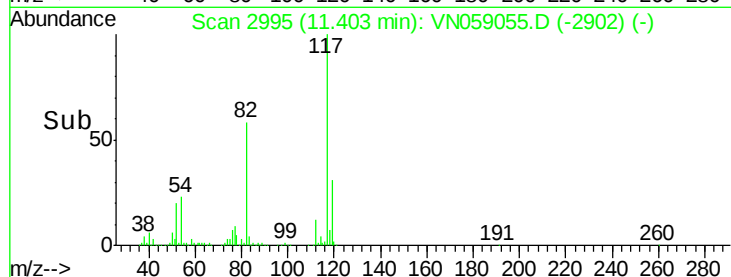
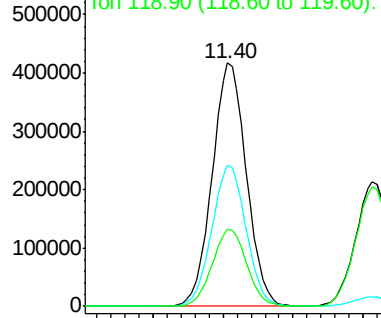
Tgt Ion:	117	Resp:	709382
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.0	69.0
119	31.5	25.6	38.4

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V



#64

Tetrachloroethene

Concen: 98.106 ug/l

RT: 10.63 min Scan# 2753

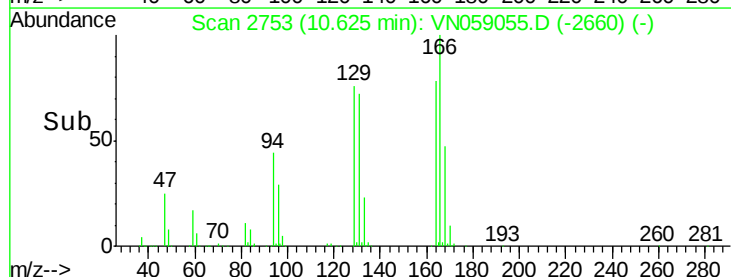
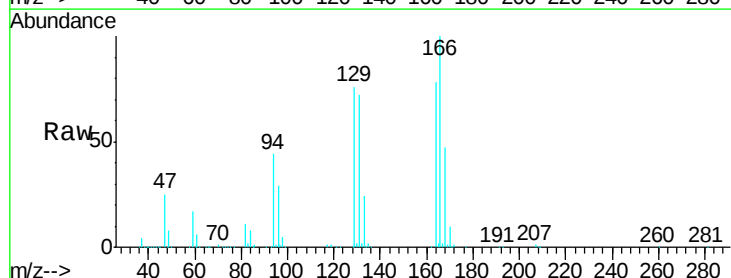
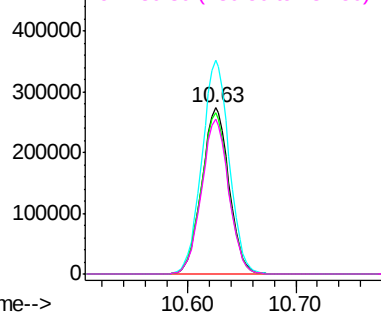
Delta R.T. 0.00 min

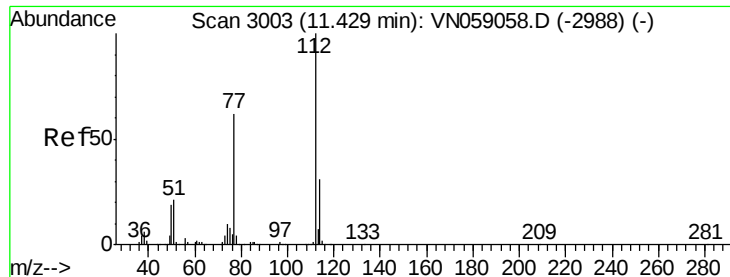
Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	164	Resp:	481986
Ion Ratio	Lower	Upper	
164	100		
166	128.4	102.7	154.1
129	97.1	77.3	115.9
131	92.8	74.8	112.2

Abundance Ion 163.80 (163.50 to 164.50): V





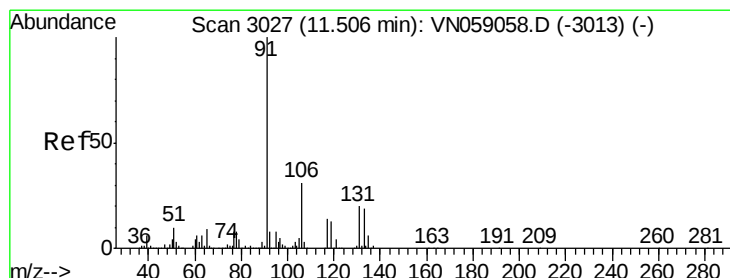
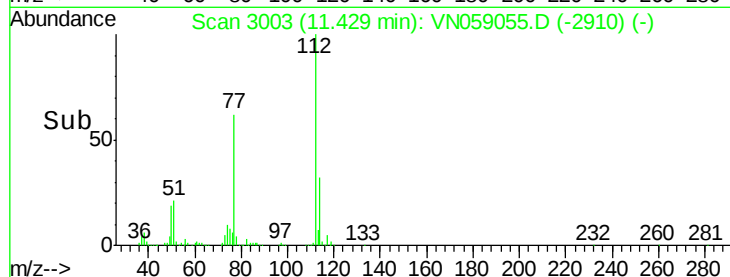
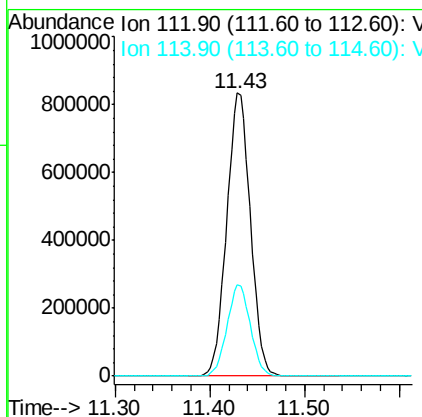
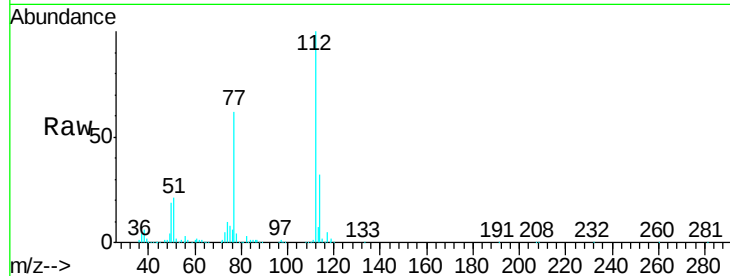
#65
Chlorobenzene
Concen: 101.181 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 1446873
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

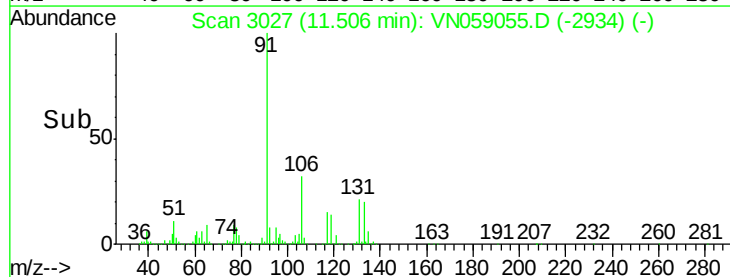
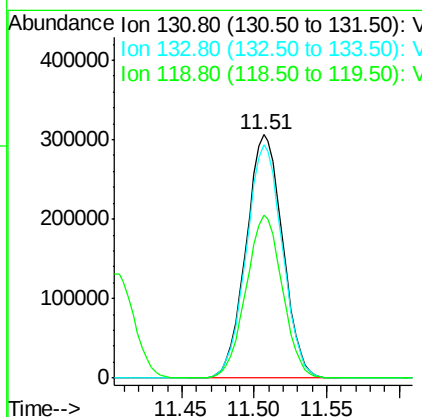
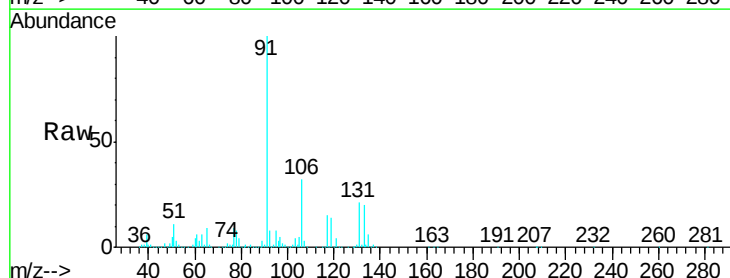
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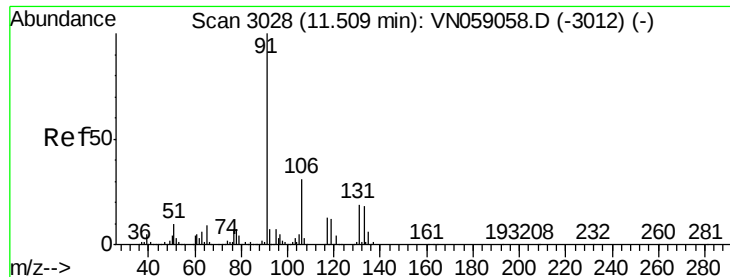
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.745 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:131 Resp: 537276
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.6
119 66.5 33.5 100.5





#67

Ethyl Benzene

Concen: 104.110 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 2604952

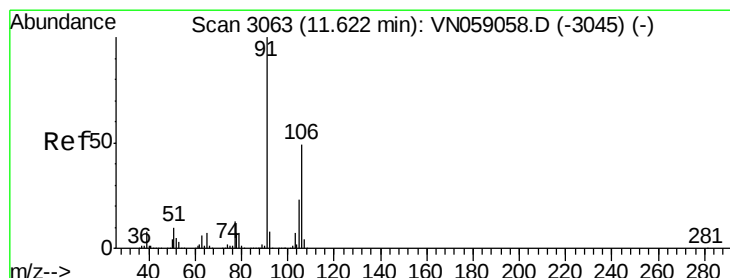
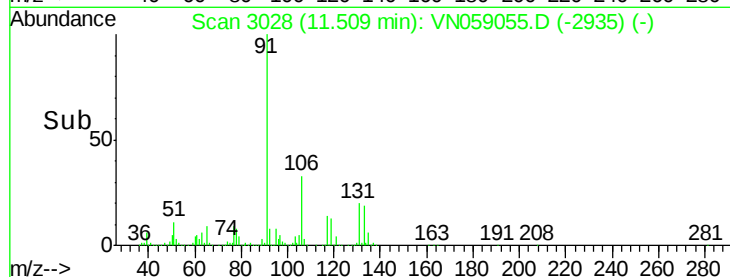
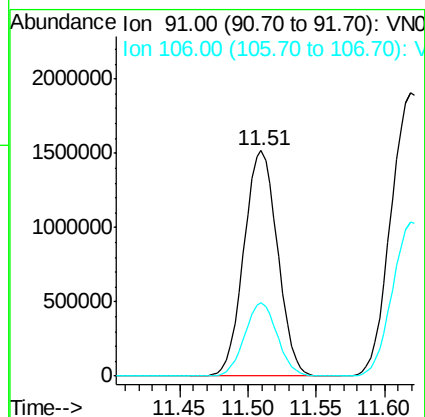
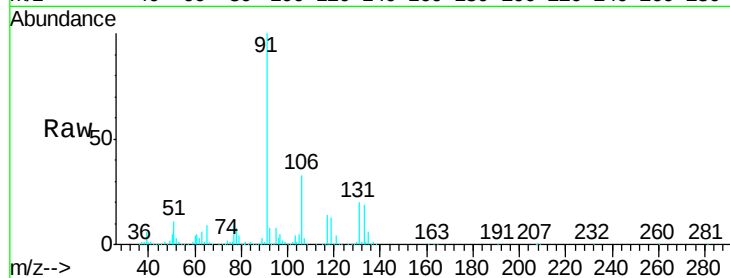
Ion Ratio Lower Upper

91 100

106 32.6 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 216.809 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059055.D

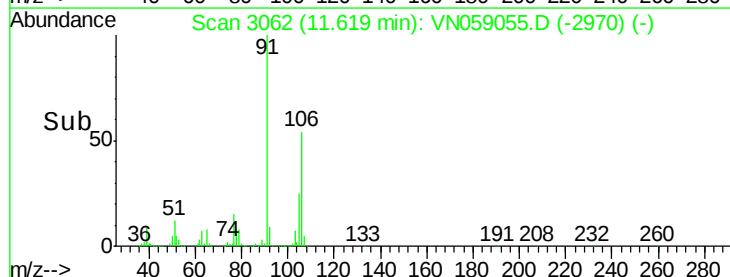
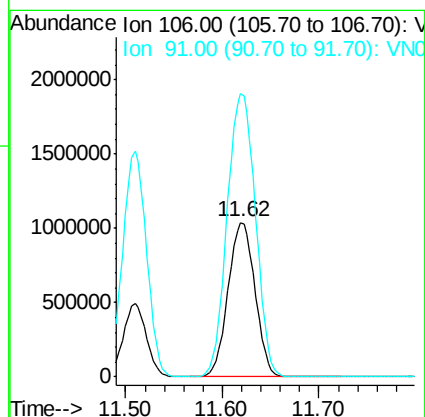
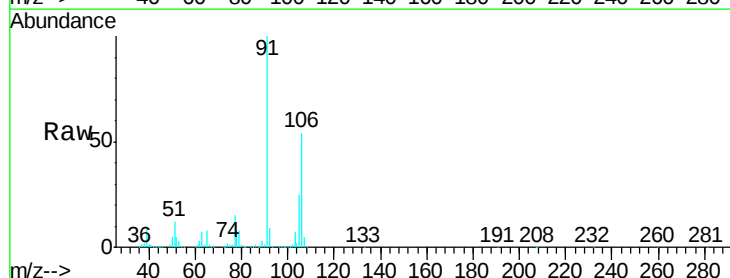
Acq: 1 Nov 2019 11:53

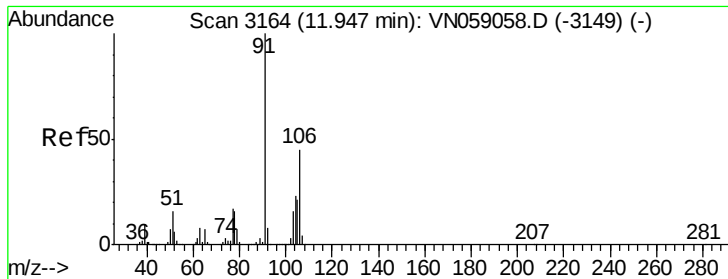
Tgt Ion: 106 Resp: 2009015

Ion Ratio Lower Upper

106 100

91 193.1 165.7 248.5





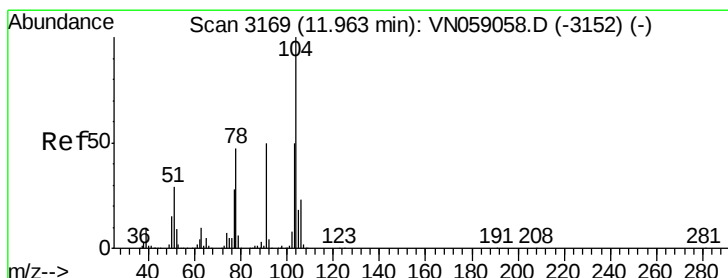
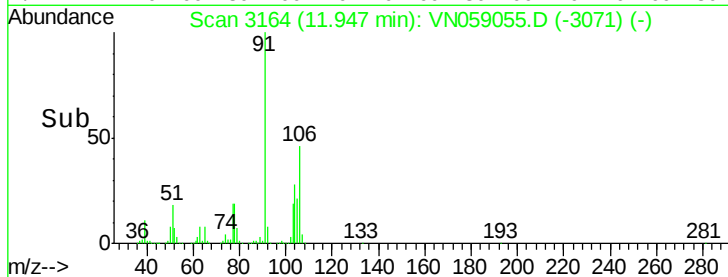
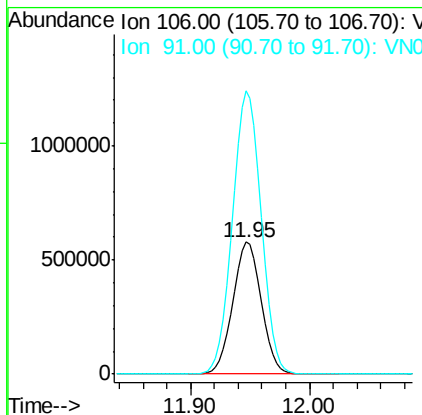
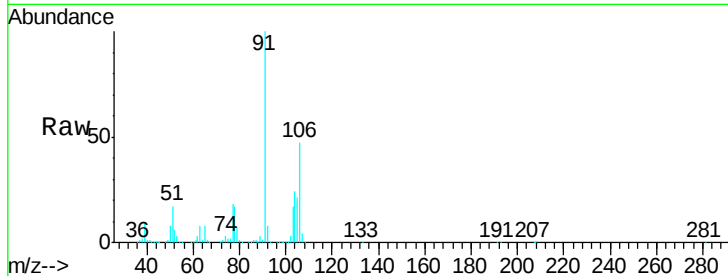
#69
o-Xylene
Concen: 108.017 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 957183
Ion Ratio Lower Upper
106 100
91 216.4 110.4 331.2

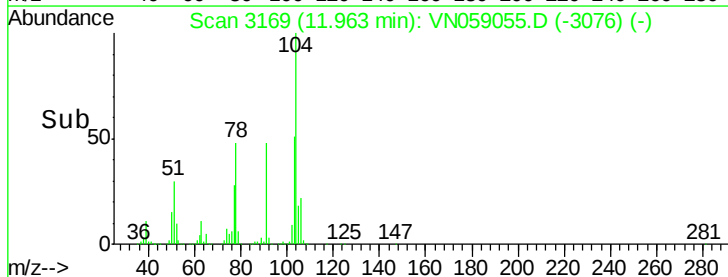
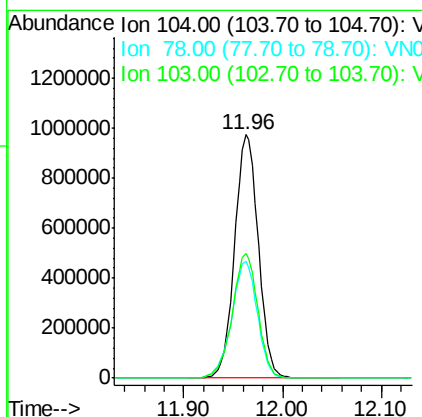
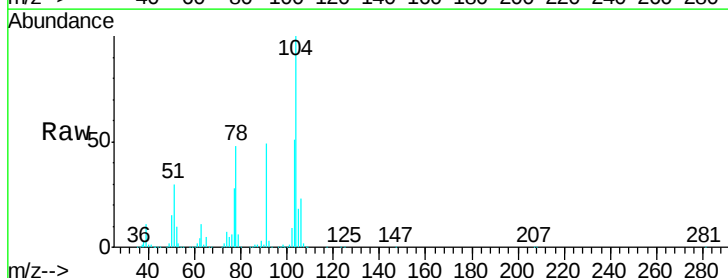
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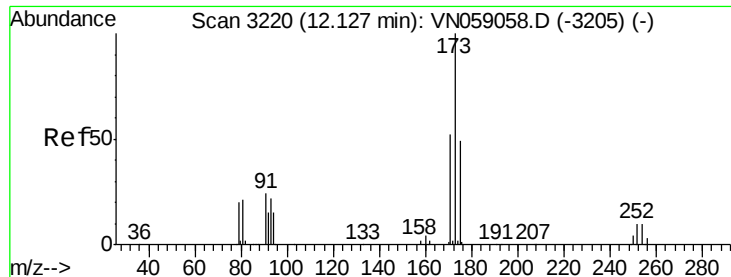
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#70
Styrene
Concen: 112.391 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:104 Resp: 1624121
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 107.383 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

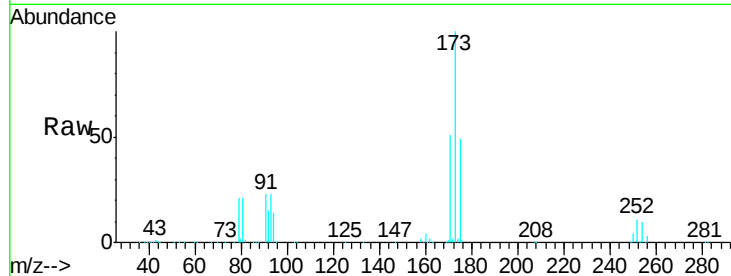
ClientSampleId :

VSTDIC100

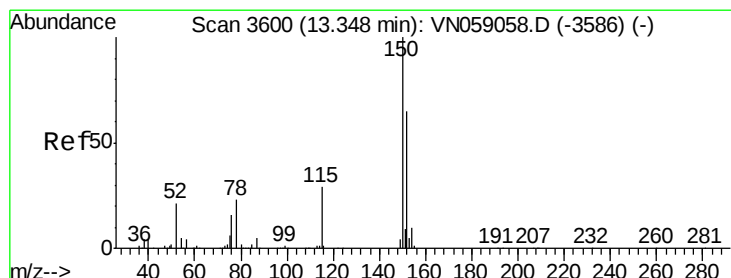
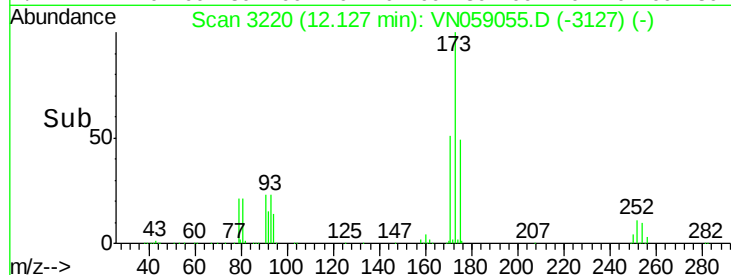
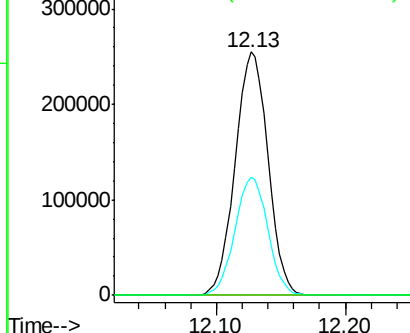
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	450695		
175	48.6	24.4	73.2	
254	0.1	0.1	0.1#	

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

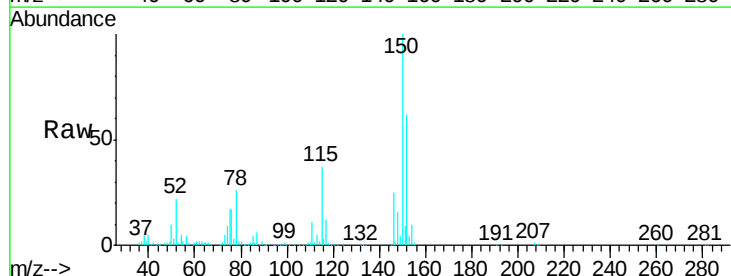
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

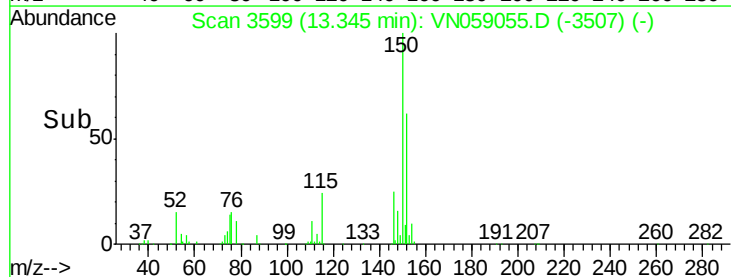
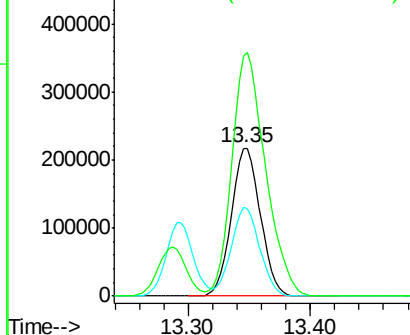
Lab File: VN059055.D

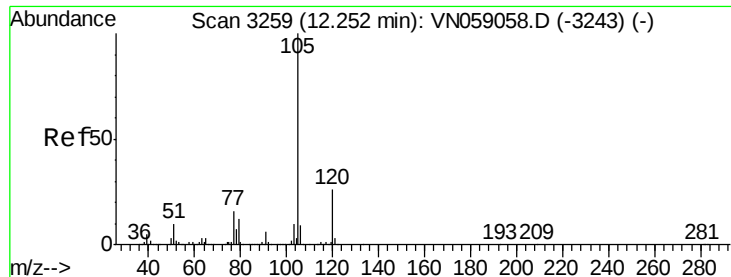
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	358185		
115	59.0	29.6	88.9	
150	190.2	0.0	345.8	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 97.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 2529479

Ion Ratio Lower Upper

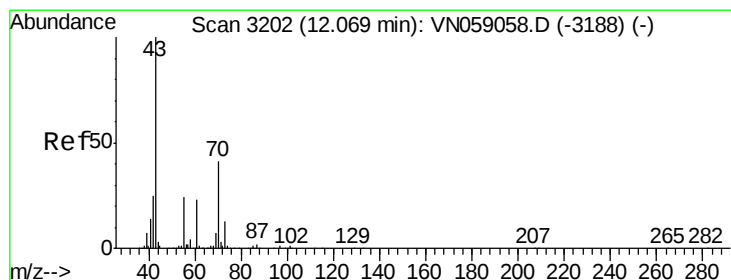
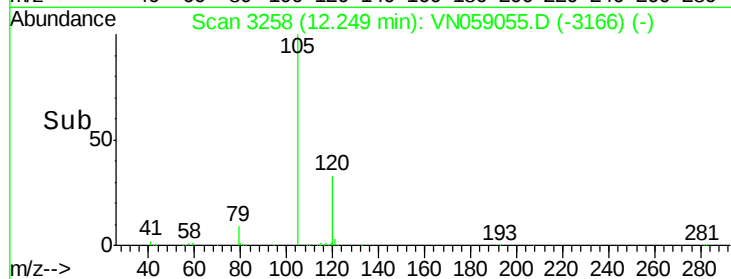
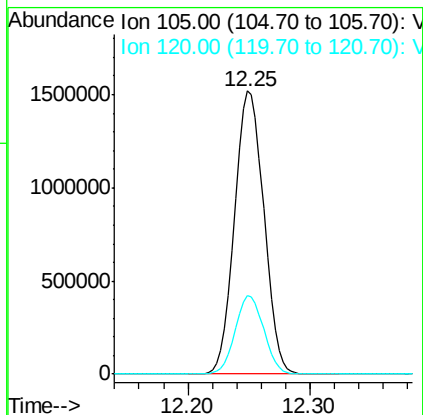
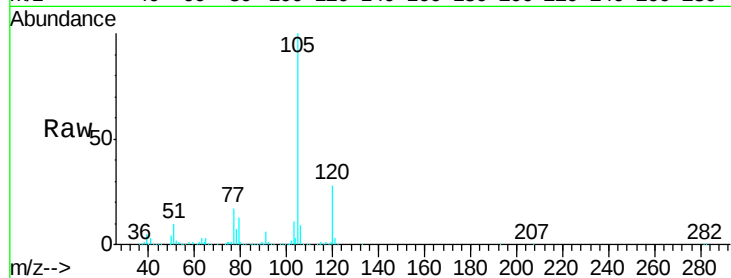
105 100

120 27.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 106.299 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 1242812

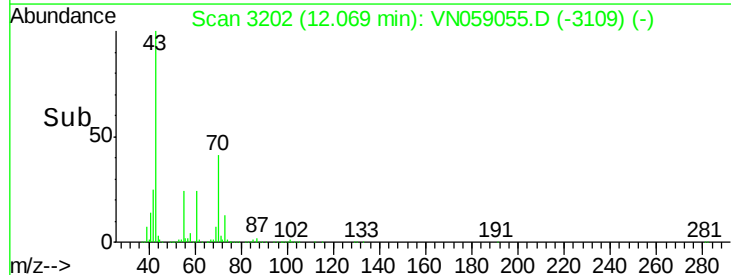
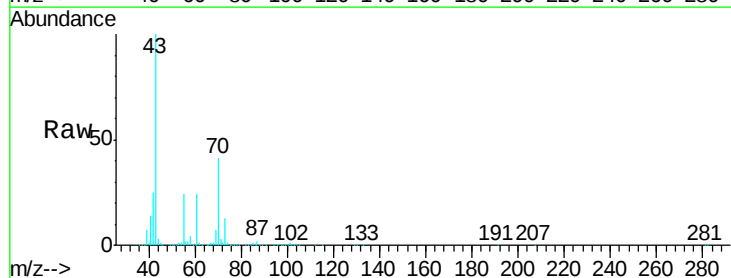
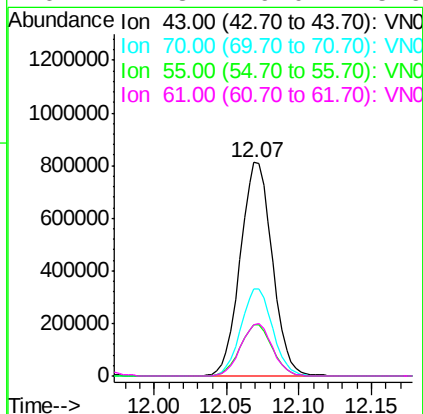
Ion Ratio Lower Upper

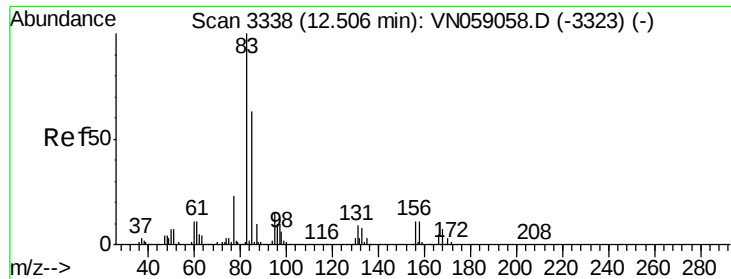
43 100

70 40.6 32.6 49.0

55 24.3 19.7 29.5

61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 94.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

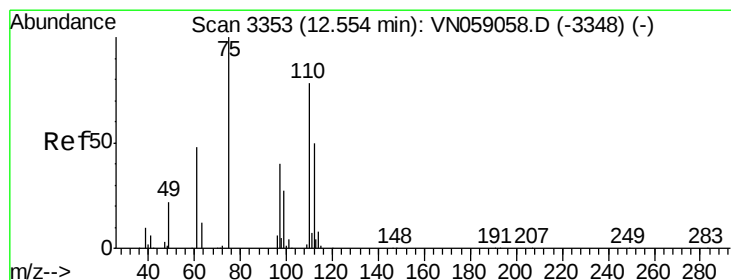
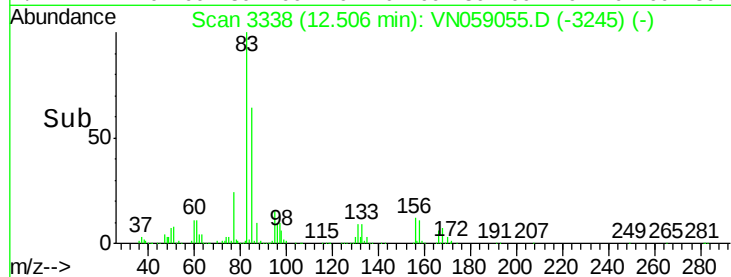
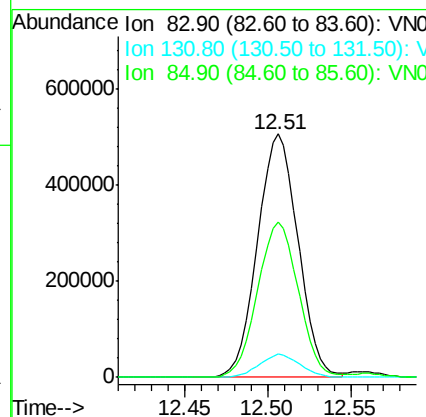
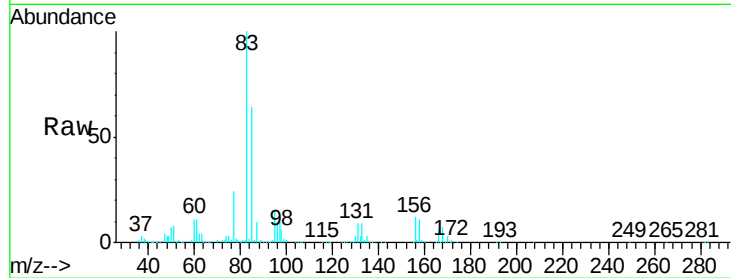
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	860894
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 96.372 ug/l m

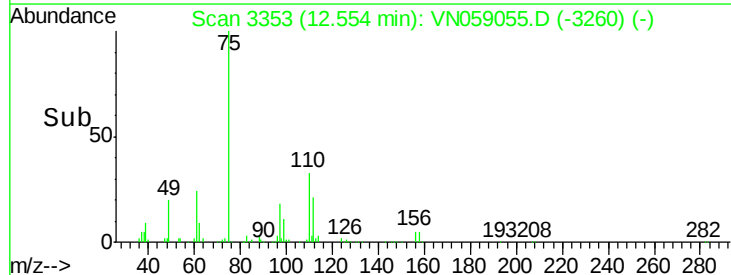
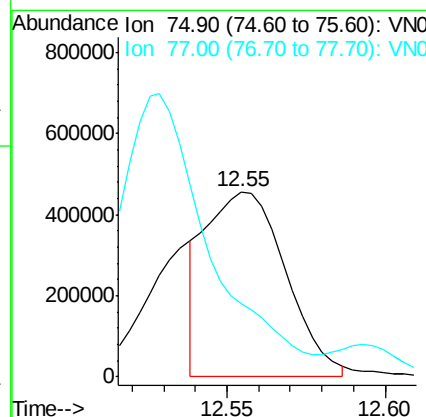
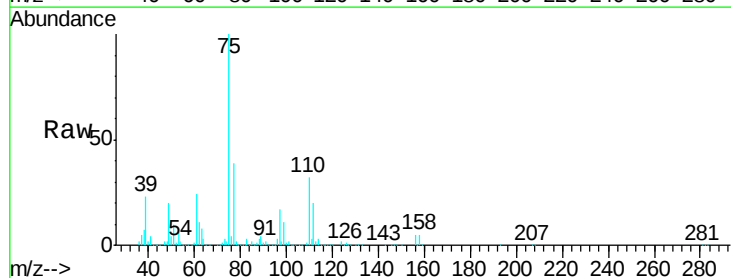
RT: 12.55 min Scan# 3353

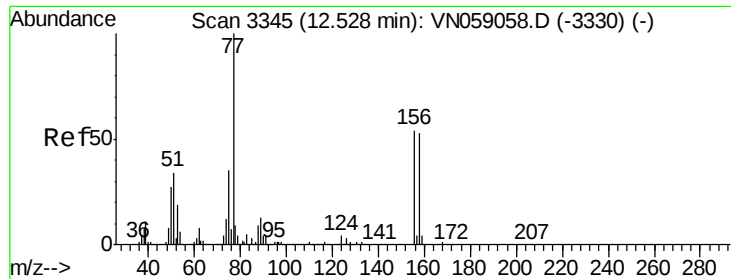
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	75	Resp:	800635
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





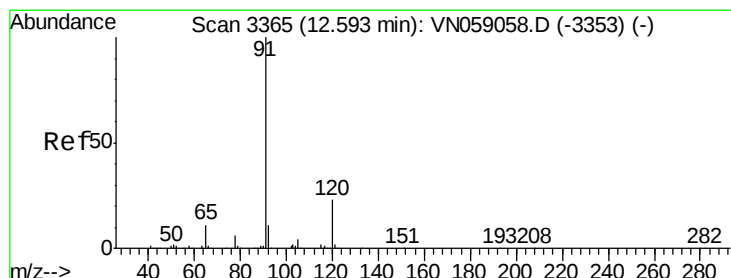
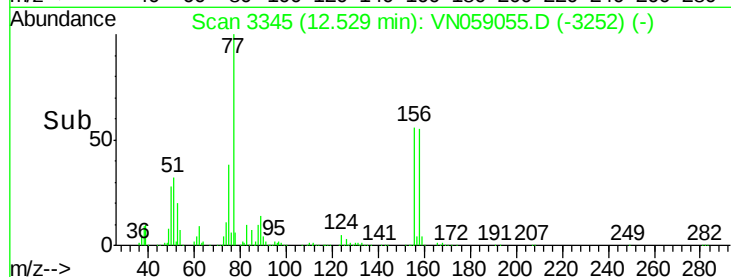
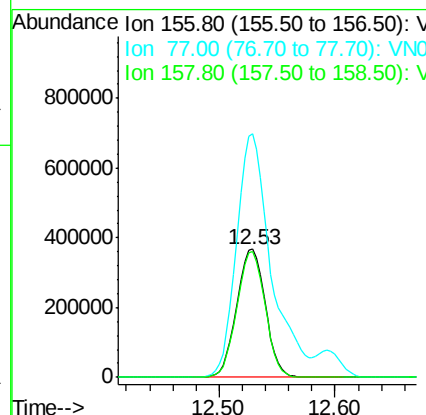
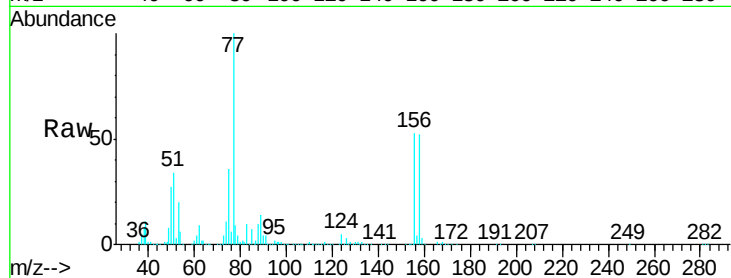
#77
Bromobenzene
Concen: 97.608 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
156	100		
77	228.6	114.2	342.6
158	97.2	49.6	149.0

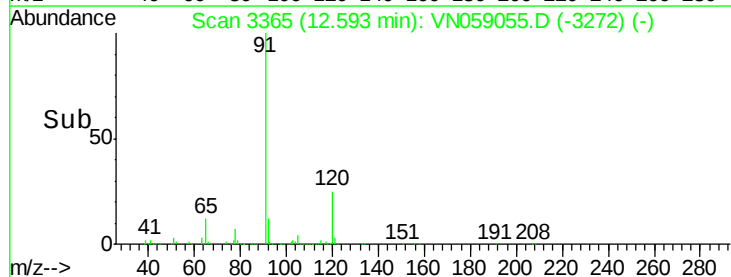
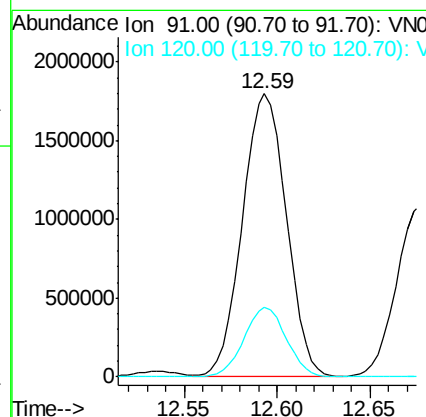
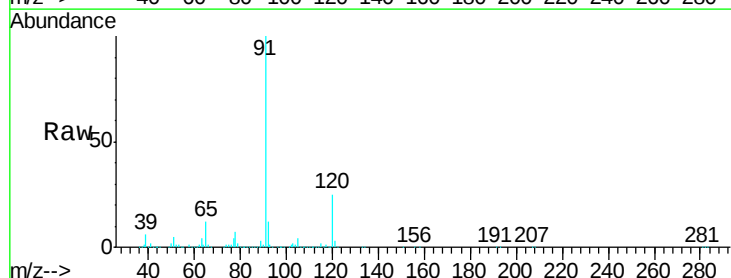
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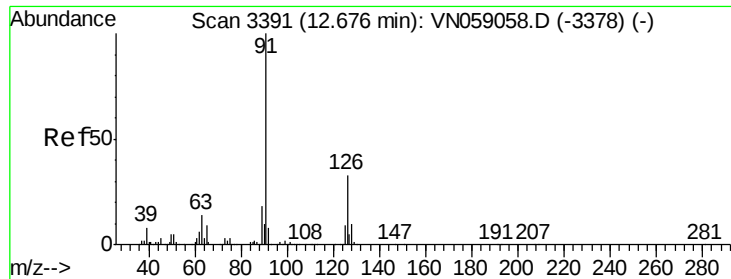
MMDadoda
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#78
n-propylbenzene
Concen: 96.656 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 96.791 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1817935

Ion Ratio Lower Upper

91 100

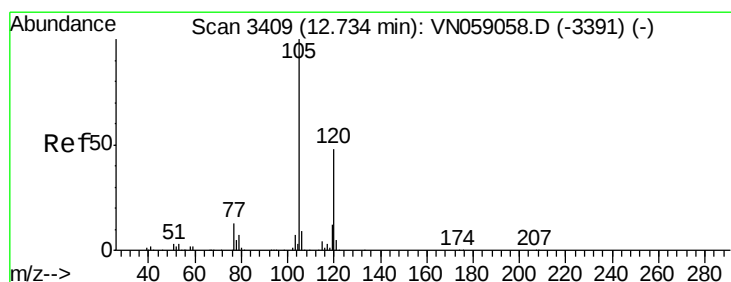
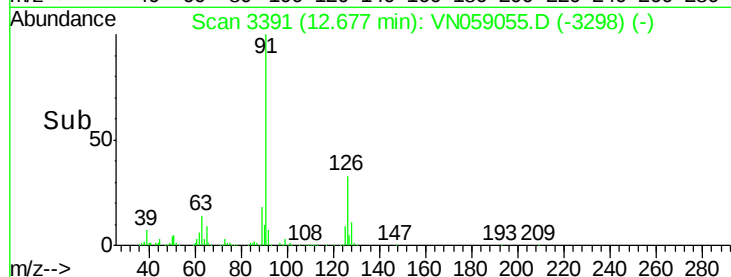
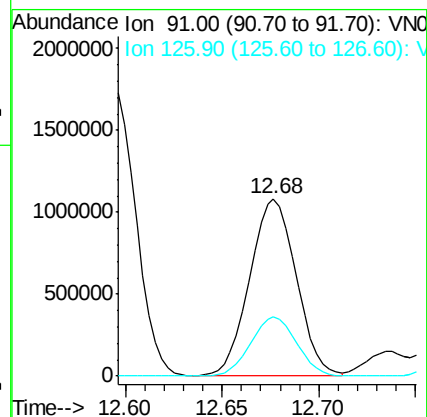
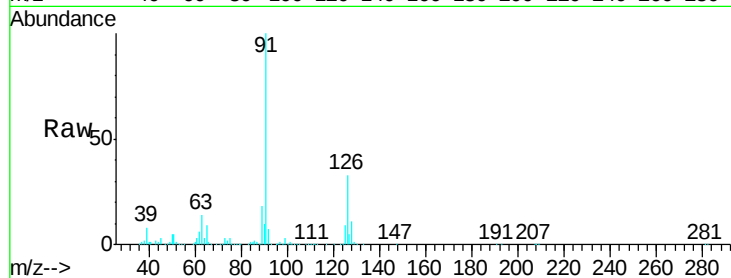
126 33.1 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 101.474 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059055.D

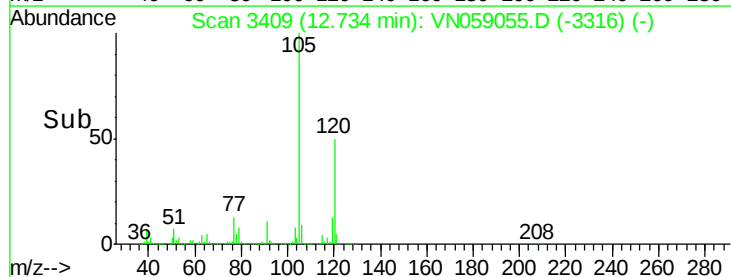
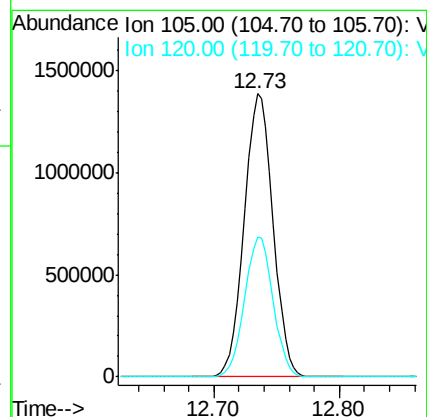
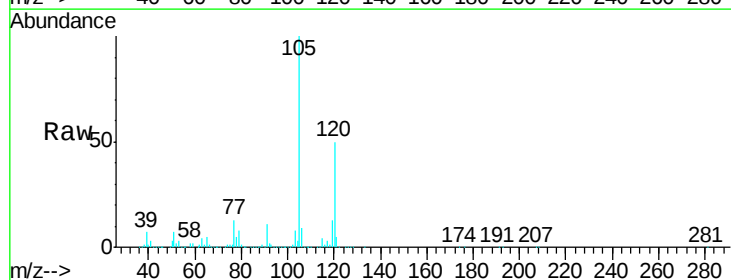
Acq: 1 Nov 2019 11:53

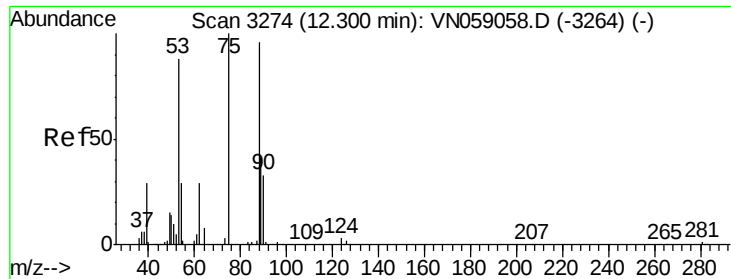
Tgt Ion: 105 Resp: 2205329

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 103.417 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

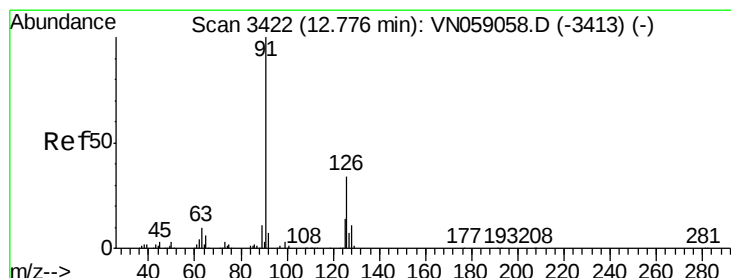
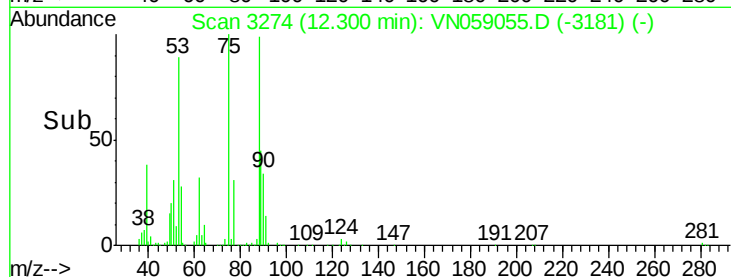
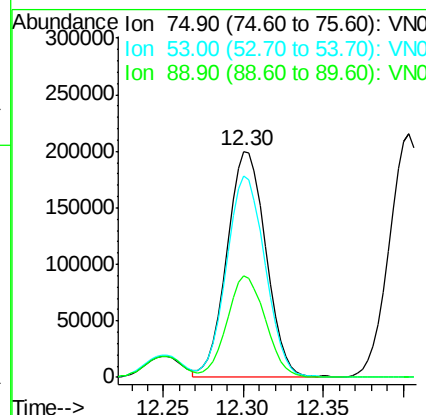
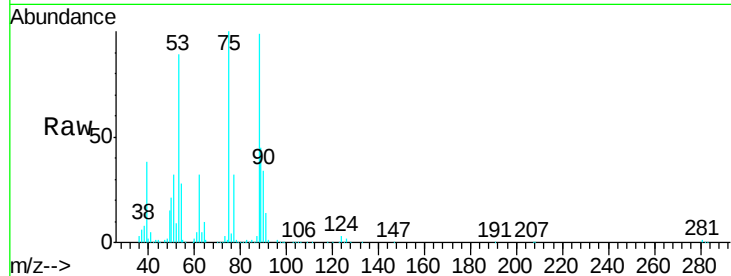
ClientSampled :

VSTDIC100

Tgt Ion:	75	Resp:	329145
Ion Ratio	Lower	Upper	
75	100		
53	89.7	70.4	105.6
89	44.7	34.2	51.2

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#82

4-Chlorotoluene

Concen: 98.799 ug/l

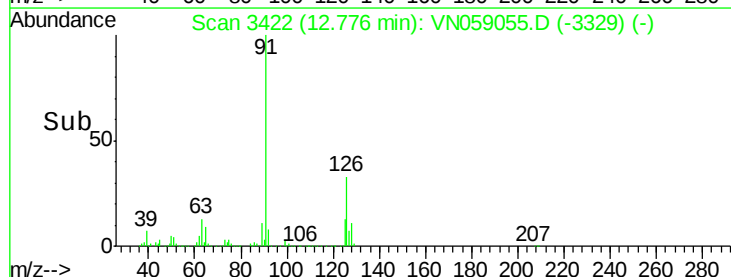
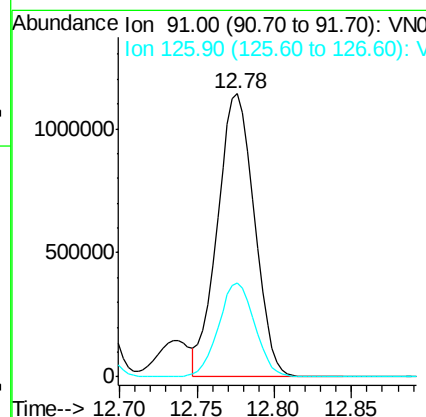
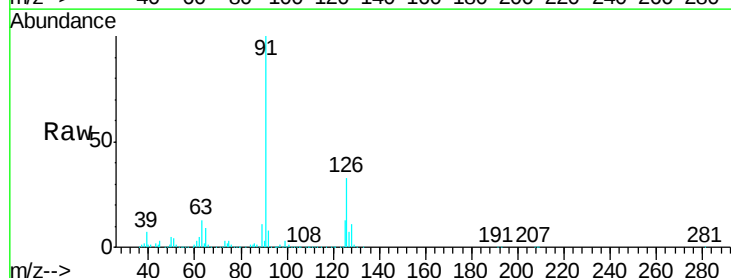
RT: 12.78 min Scan# 3422

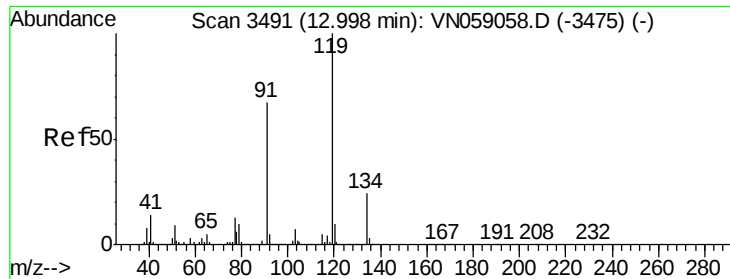
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	91	Resp:	1890853
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.0	47.9





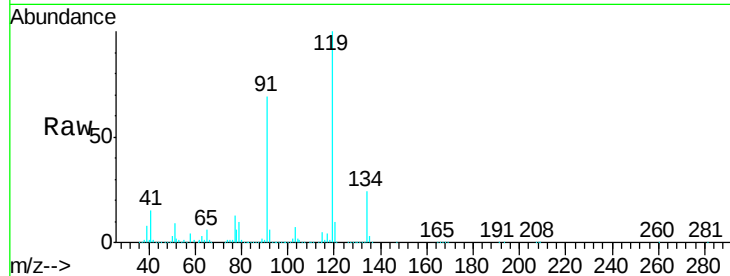
#83
 tert-Butylbenzene
 Concen: 101.733 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

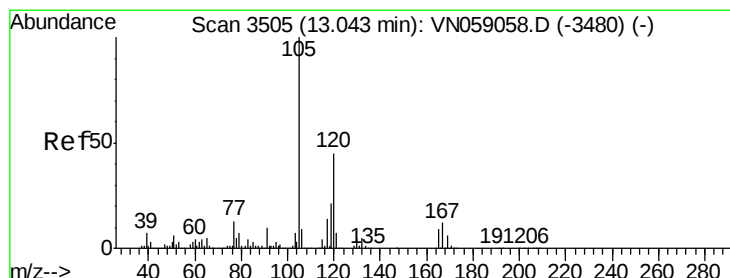
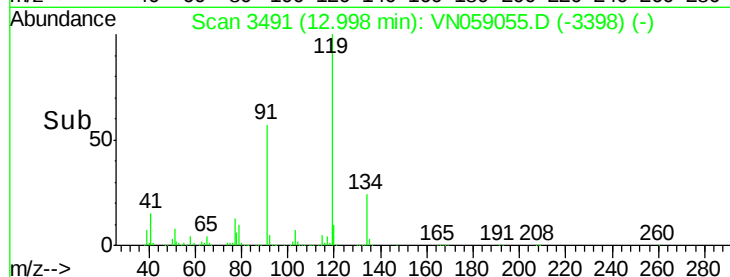
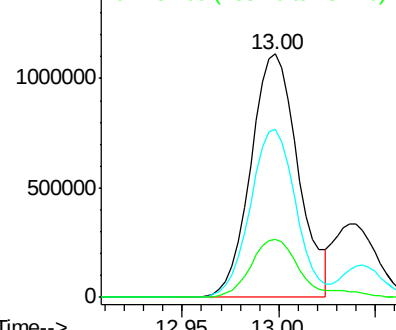
Tgt Ion:119 Resp: 1893470
 Ion Ratio Lower Upper
 119 100
 91 66.0 33.7 101.0
 134 25.4 12.9 38.7

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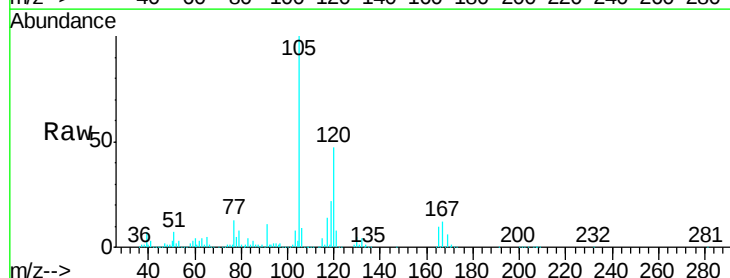


Abundance Ion 119.00 (118.70 to 119.70): V
 1500000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

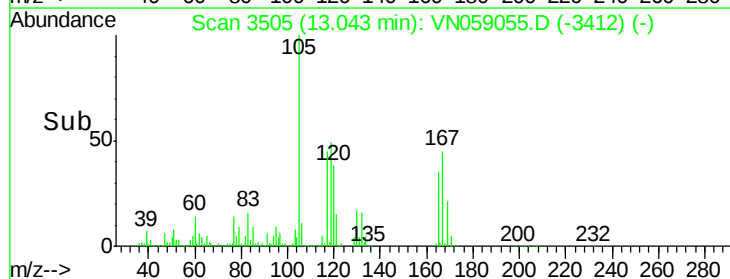
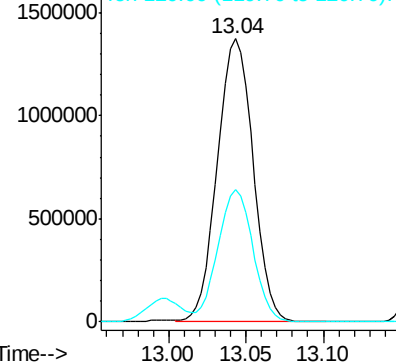


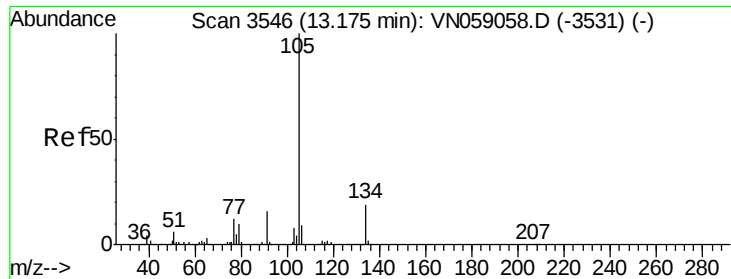
#84
 1,2,4-Trimethylbenzene
 Concen: 102.816 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion:105 Resp: 2202544
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 1500000 Ion 120.00 (119.70 to 120.70): V





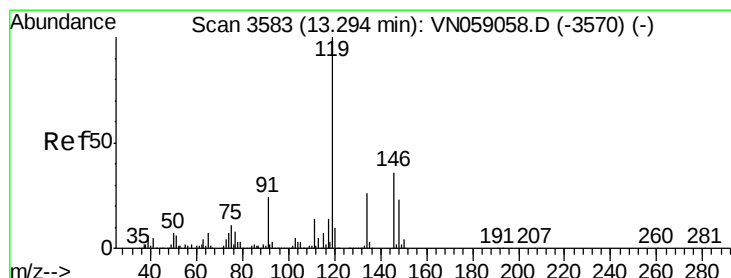
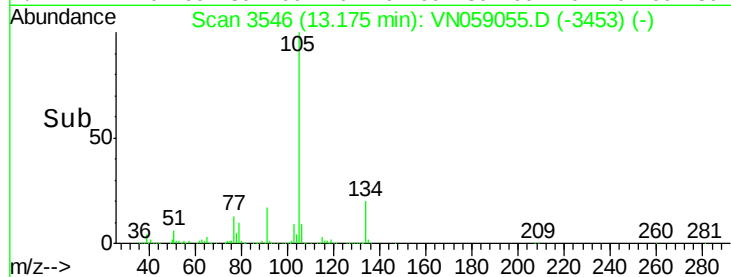
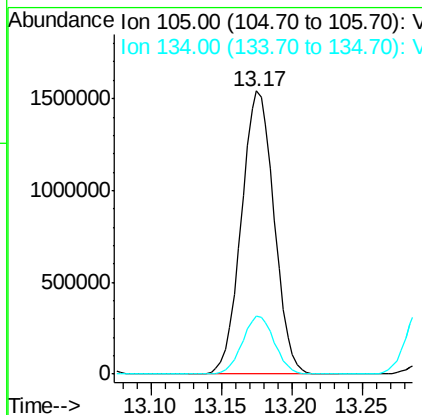
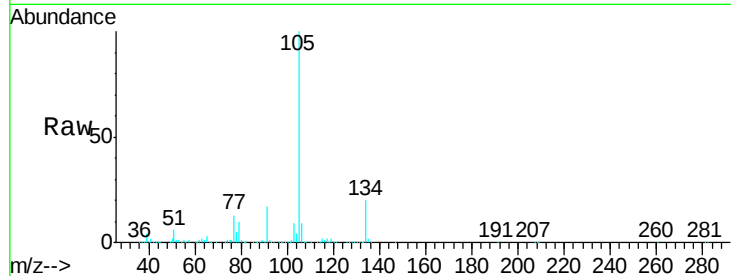
#85
 sec-Butylbenzene
 Concen: 101.095 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 2502974
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.4

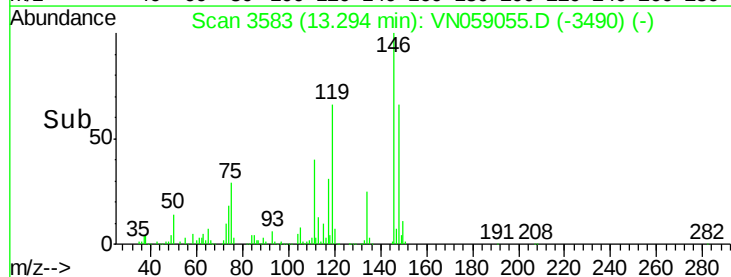
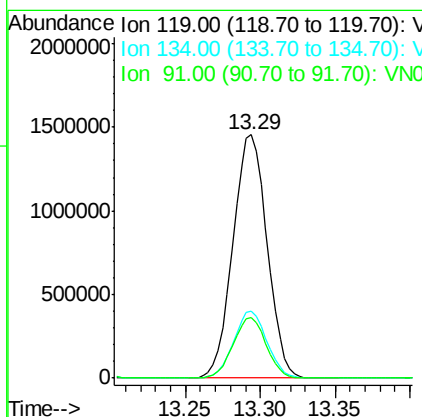
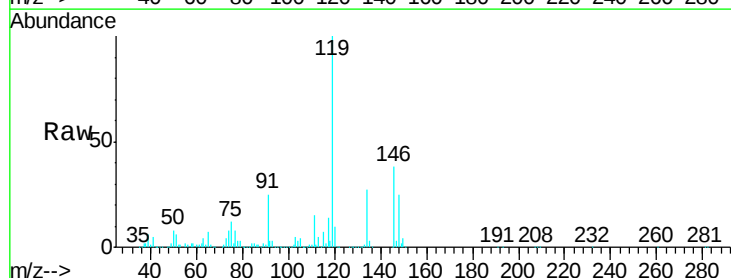
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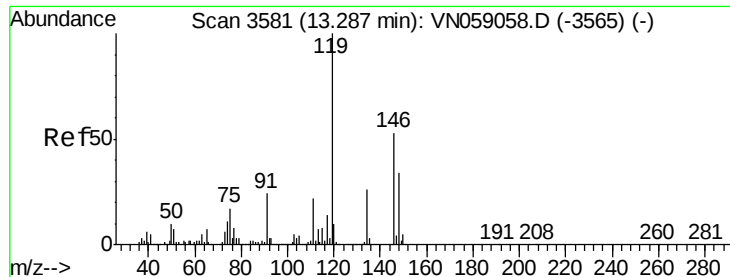
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#86
 p-Isopropyltoluene
 Concen: 105.308 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion:119 Resp: 2304101
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 39.0
 91 24.2 12.0 36.0





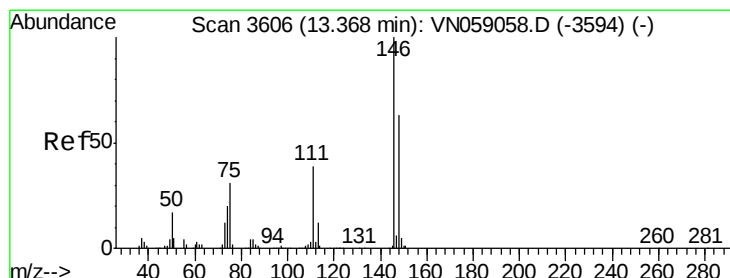
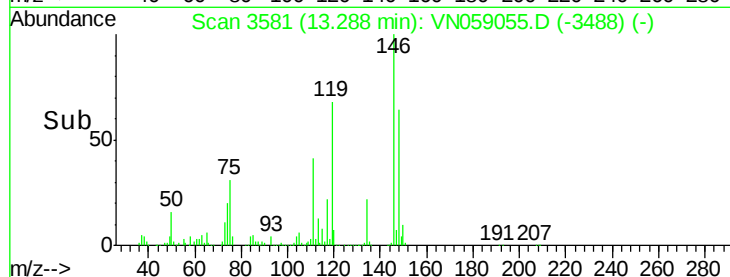
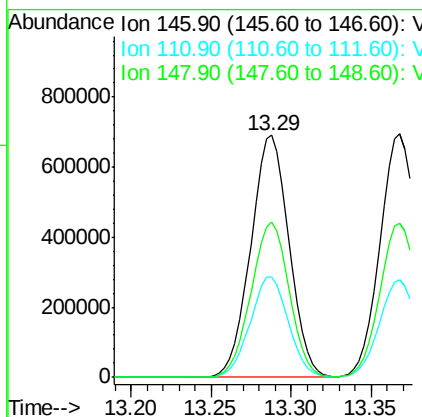
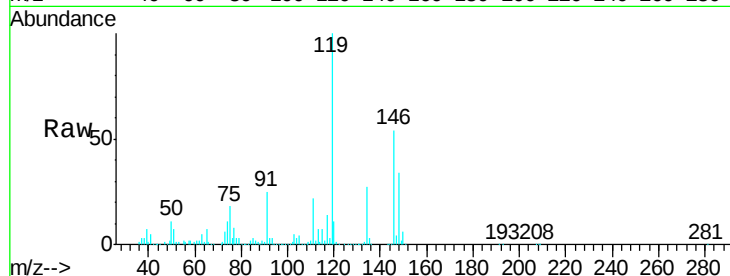
#87
 1,3-Dichlorobenzene
 Concen: 99.900 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.0	31.8	95.3

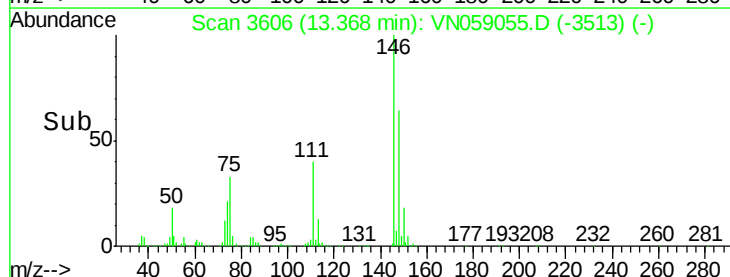
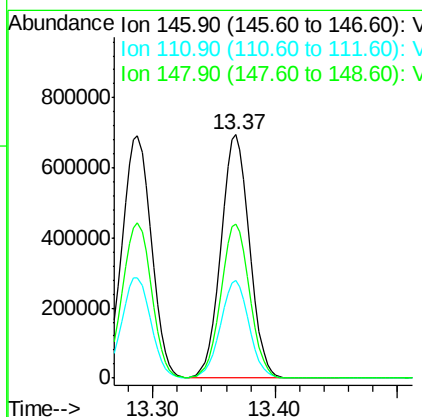
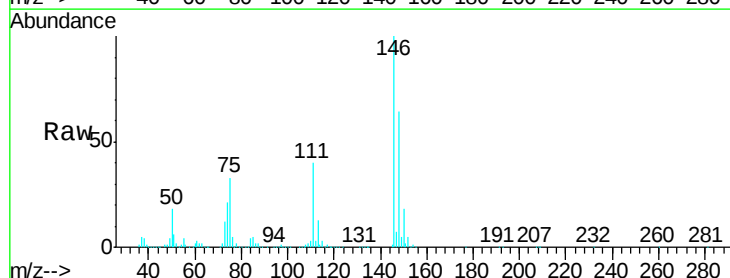
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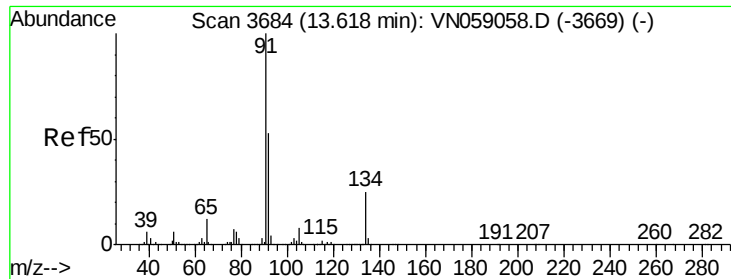
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 99.871 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.8	31.9	95.7





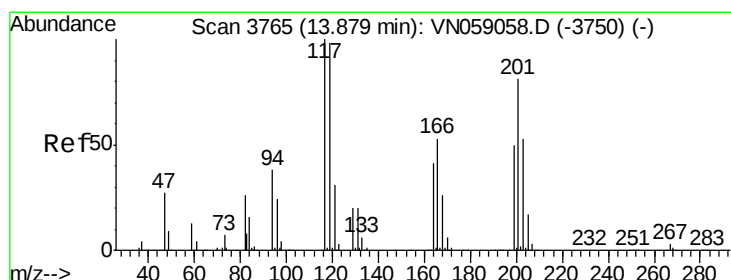
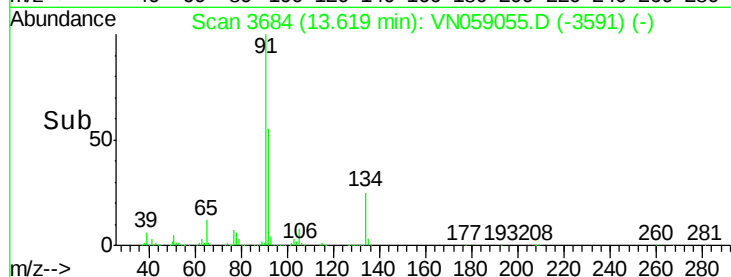
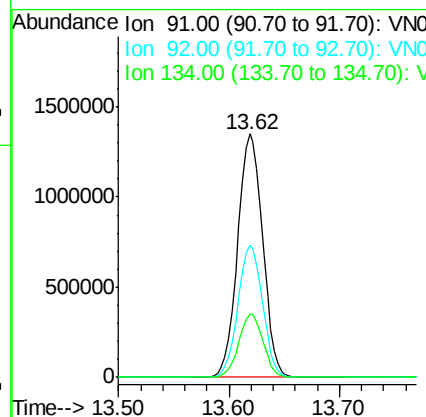
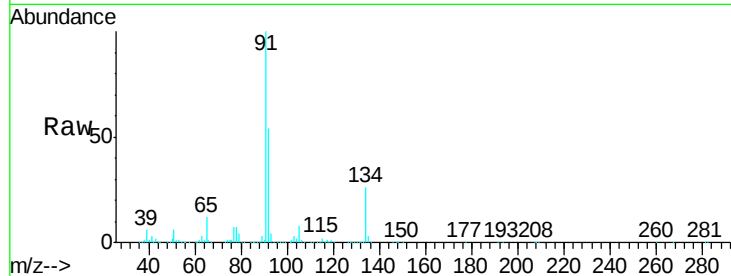
#89
n-Butylbenzene
Concen: 106.181 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 2121209
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 25.5 12.5 37.5

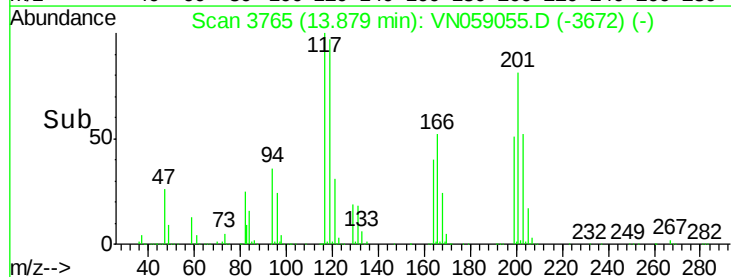
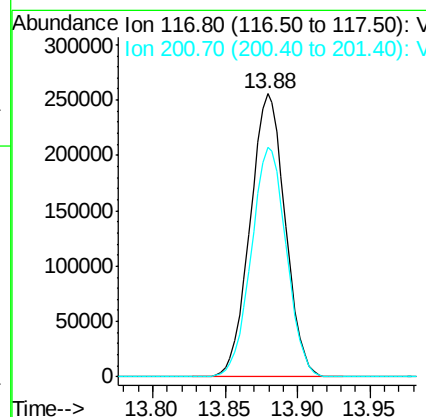
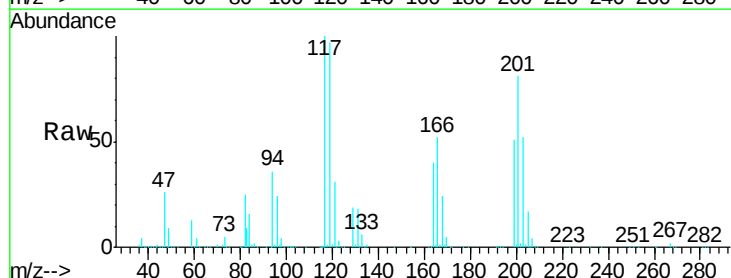
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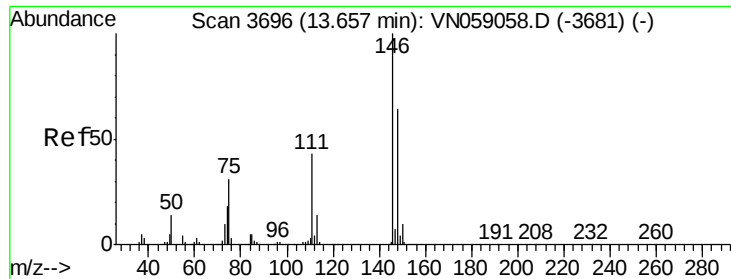
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#90
Hexachloroethane
Concen: 96.881 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 117 Resp: 430242
Ion Ratio Lower Upper
117 100
201 81.1 40.7 122.1





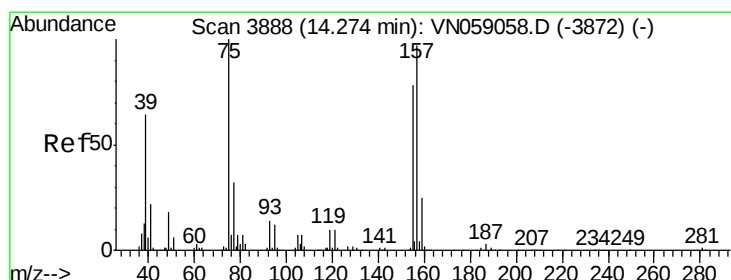
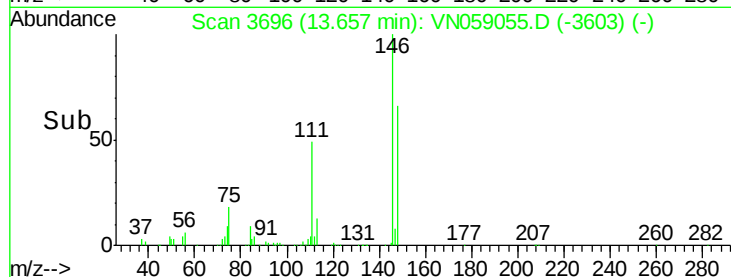
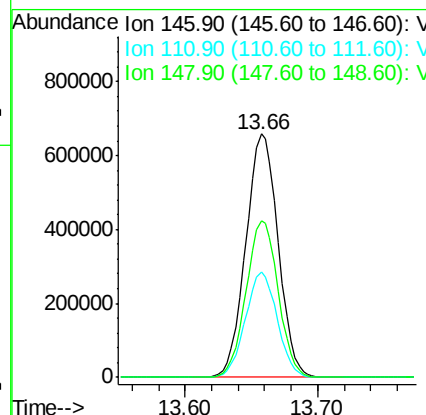
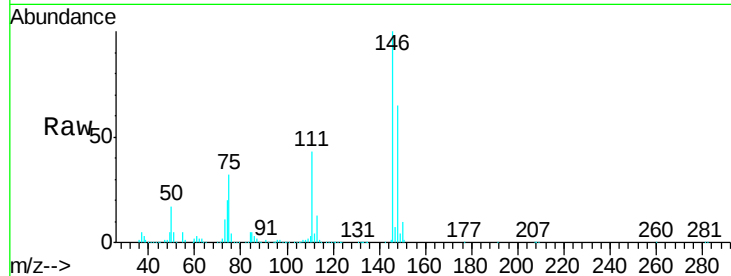
#91
 1,2-Dichlorobenzene
 Concen: 99.272 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.1	32.1	96.3

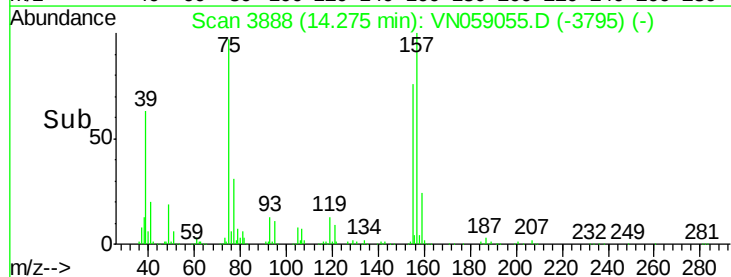
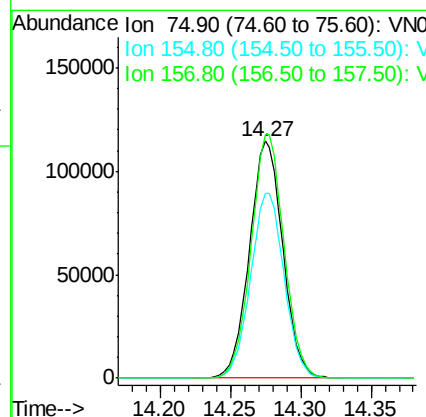
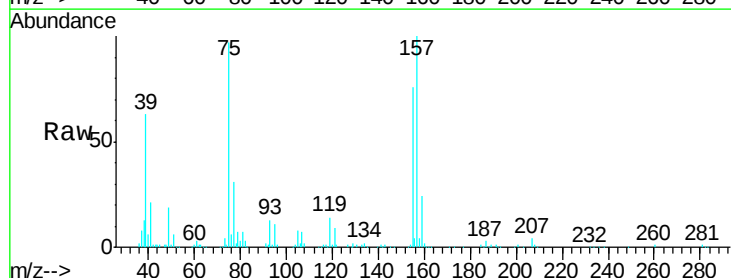
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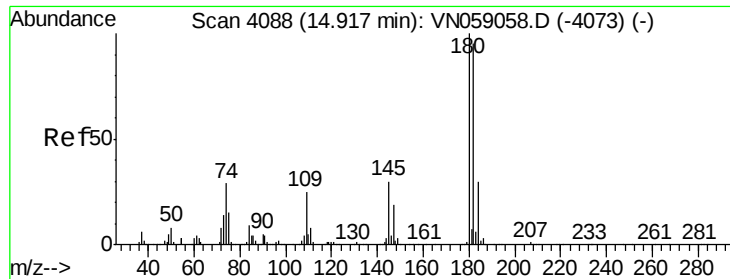
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.383 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.7	119.1
157	102.1	51.0	153.0





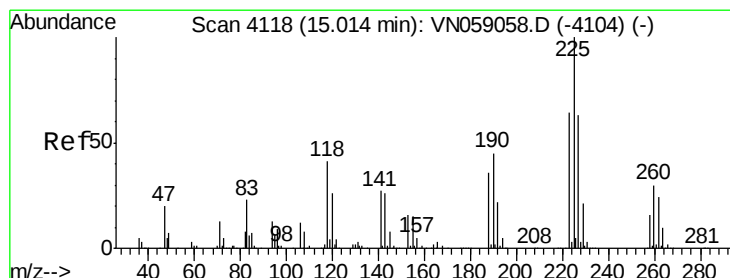
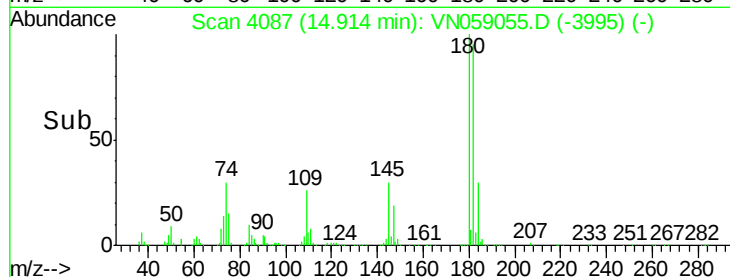
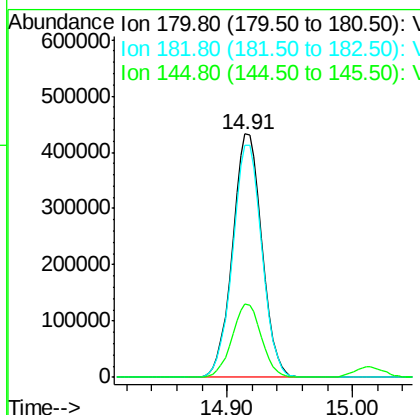
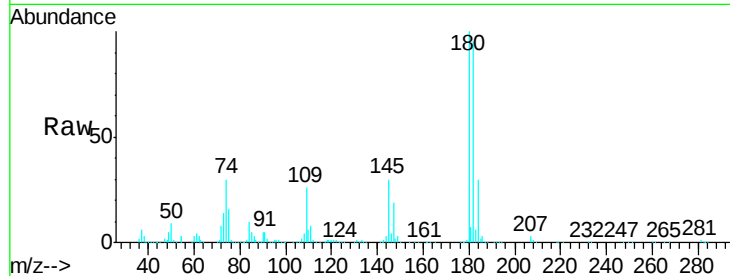
#93
1,2,4-Trichlorobenzene
Concen: 113.895 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	700634		
182	95.2	47.8	143.4	
145	30.1	15.1	45.3	

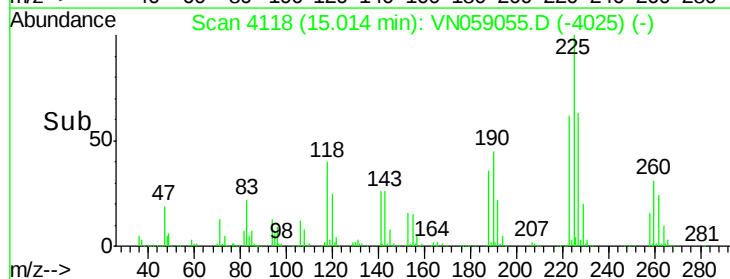
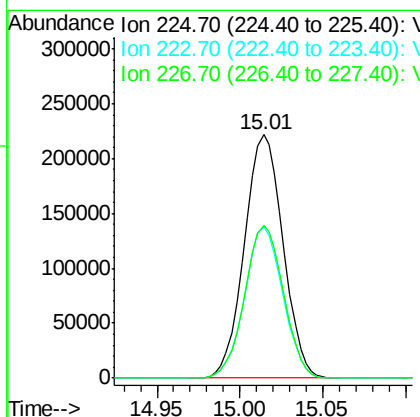
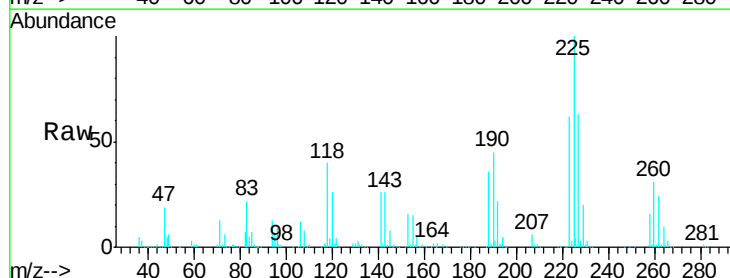
Manual Integrations
APPROVED

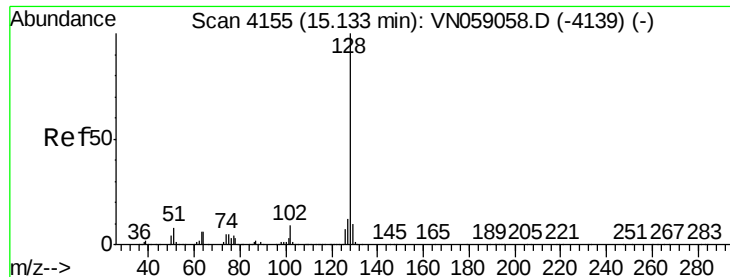
MMDadoda
11/5/2019 1:58:53 PM



#94
Hexachlorobutadiene
Concen: 98.187 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	358490		
223	61.8	31.6	95.0	
227	62.9	31.9	95.7	





#95

Naphthalene

Concen: 119.624 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

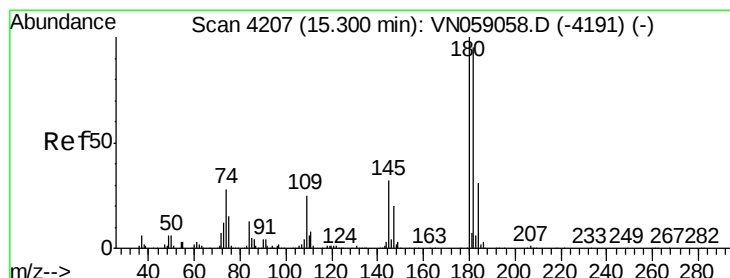
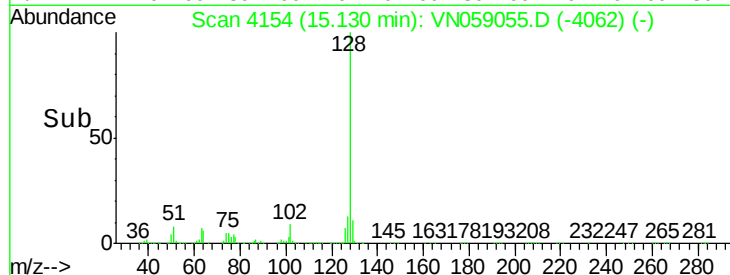
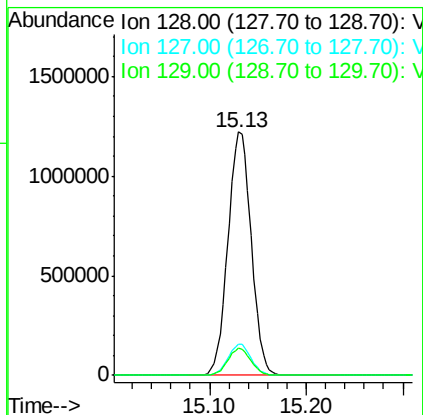
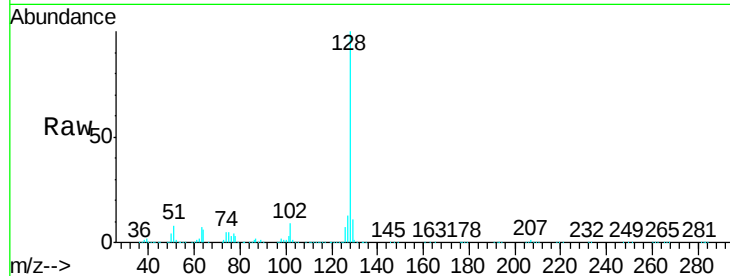
ClientSampleId :

VSTDIC100

Tgt Ion:	128	Resp:	2038360
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:58:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 114.368 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:	180	Resp:	692372
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	31.6	16.0	48.0

