

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059144.D
 Acq On : 11 Nov 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:05 AM

Quant Time: Nov 12 00:53:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	553217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	862701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	789002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	378927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	313027	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.56	113	244318	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.08	98	967998	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	363941	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	249818	44.819	ug/l 98
3) Chloromethane	2.04	50	316397	41.759	ug/l 100
4) Vinyl Chloride	2.17	62	326597	44.460	ug/l 100
5) Bromomethane	2.53	94	181791	43.005	ug/l 100
6) Chloroethane	2.68	64	199695	45.955	ug/l 99
7) Trichlorofluoromethane	3.00	101	397872	45.282	ug/l 98
8) Diethyl Ether	3.38	74	161119	45.129	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	240777	45.449	ug/l 99
10) Methyl Iodide	3.92	142	299930	45.739	ug/l 99
11) Tert butyl alcohol	4.75	59	273068	210.697	ug/l 99
12) 1,1-Dichloroethene	3.71	96	233071	45.163	ug/l 96
13) Acrolein	3.58	56	153355	229.504	ug/l 98
14) Allyl chloride	4.29	41	423995	39.997	ug/l 89
15) Acrylonitrile	4.95	53	711003	220.442	ug/l 98
16) Acetone	3.78	43	1055642	298.510	ug/l 99
17) Carbon Disulfide	4.02	76	662026	41.325	ug/l 100
18) Methyl Acetate	4.29	43	368261	43.872	ug/l 98
19) Methyl tert-butyl Ether	5.01	73	854161	48.074	ug/l 99
20) Methylene Chloride	4.52	84	278912	45.271	ug/l 98
21) trans-1,2-Dichloroethene	5.00	96	254823	46.002	ug/l 97
22) Diisopropyl ether	5.92	45	930299	46.461	ug/l 99
23) Vinyl Acetate	5.86	43	3826856	246.604	ug/l 99
24) 1,1-Dichloroethane	5.82	63	512444	45.822	ug/l 99
25) 2-Butanone	6.80	43	1163846	249.713	ug/l 99
26) 2,2-Dichloropropane	6.79	77	461022	47.145	ug/l 98
27) cis-1,2-Dichloroethene	6.80	96	298819	46.497	ug/l 99
28) Bromochloromethane	7.17	49	142950	42.486	ug/l 96
29) Tetrahydrofuran	7.18	42	633906	214.054	ug/l 98
30) Chloroform	7.34	83	499050	46.519	ug/l 100
31) Cyclohexane	7.63	56	457871	43.248	ug/l 99
32) 1,1,1-Trichloroethane	7.54	97	434381	48.160	ug/l 100
36) 1,1-Dichloropropene	7.77	75	383563	47.566	ug/l 99
37) Ethyl Acetate	6.90	43	397068	44.263	ug/l 99
38) Carbon Tetrachloride	7.75	117	380901	47.458	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	465986	49.792	ug/l	97
40) Benzene	8.02	78	1140585	46.971	ug/l	99
41) Methacrylonitrile	7.15	41	182441m	46.770	ug/l	
42) 1,2-Dichloroethane	8.10	62	399645	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	649141	45.390	ug/l	99
44) Trichloroethene	8.81	130	289307	48.467	ug/l	98
45) 1,2-Dichloropropane	9.10	63	309779	46.967	ug/l	99
46) Dibromomethane	9.19	93	194417	47.303	ug/l	99
47) Bromodichloromethane	9.39	83	399378	48.663	ug/l	97
48) Methyl methacrylate	9.18	41	296241	46.309	ug/l	98
49) 1,4-Dioxane	9.18	88	105486	927.884	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1984650	245.256	ug/l	100
52) Toluene	10.14	92	708543	48.683	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473923	49.982	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	504041	49.418	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	277268	47.072	ug/l	99
56) Ethyl methacrylate	10.42	69	443694	45.344	ug/l	99
57) 1,3-Dichloropropane	10.70	76	492885	48.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	882054	269.075	ug/l	99
59) 2-Hexanone	10.74	43	1619253	260.703	ug/l	99
60) Dibromochloromethane	10.89	129	309243	49.656	ug/l	100
61) 1,2-Dibromoethane	11.00	107	290590	48.734	ug/l	99
64) Tetrachloroethene	10.62	164	255298	47.585	ug/l	98
65) Chlorobenzene	11.43	112	761558	49.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283566	49.148	ug/l	99
67) Ethyl Benzene	11.51	91	1387415	50.842	ug/l	99
68) m/p-Xylenes	11.62	106	1040416	101.781	ug/l	99
69) o-Xylene	11.94	106	496984	50.309	ug/l	98
70) Styrene	11.96	104	834800	53.732	ug/l	99
71) Bromoform	12.12	173	221266	49.303	ug/l #	100
73) Isopropylbenzene	12.25	105	1363538	49.469	ug/l	100
74) N-amyl acetate	12.07	43	561262	48.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	421781	44.934	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	422235m	48.944	ug/l	
77) Bromobenzene	12.52	156	318990	46.063	ug/l	99
78) n-propylbenzene	12.59	91	1603088	50.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	944271	48.231	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1154921	49.449	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158069	48.396	ug/l	98
82) 4-Chlorotoluene	12.77	91	966005	49.194	ug/l	99
83) tert-Butylbenzene	12.99	119	978168	48.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1142428	50.557	ug/l	99
85) sec-Butylbenzene	13.17	105	1334372	50.869	ug/l	100
86) p-Isopropyltoluene	13.29	119	1207190	52.120	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	583716	49.223	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	578242	48.736	ug/l	100
89) n-Butylbenzene	13.62	91	1075969	53.077	ug/l	99
90) Hexachloroethane	13.88	117	217353	46.734	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	564389	48.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83434	44.555	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	332412	47.152	ug/l	98
94) Hexachlorobutadiene	15.01	225	192104	47.760	ug/l	100
95) Naphthalene	15.13	128	908027	46.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	320563	49.035	ug/l	99

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

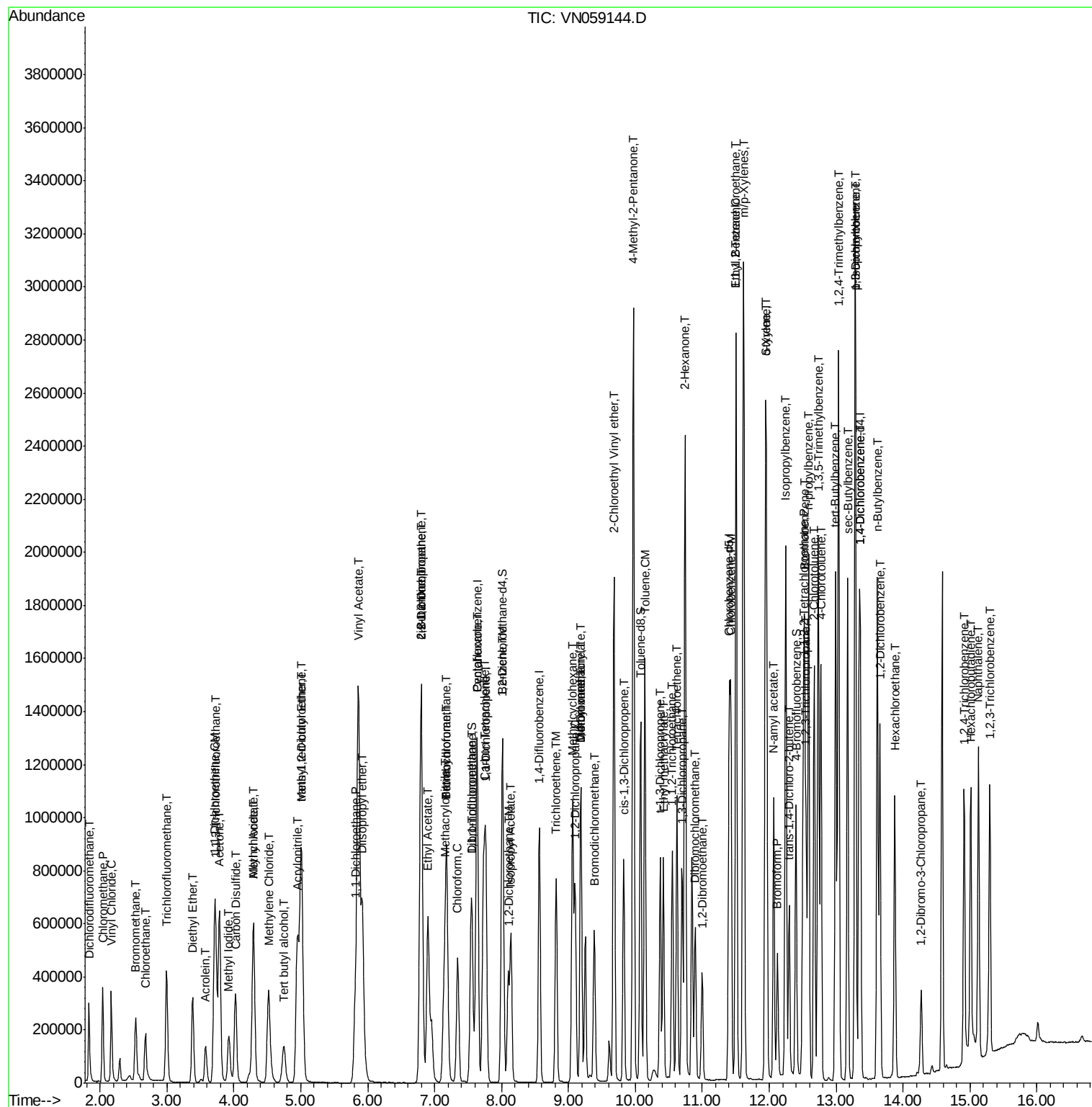
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111119\
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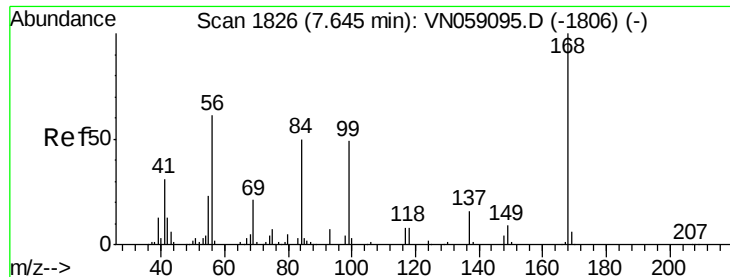
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 553217

Ion Ratio Lower Upper

168 100

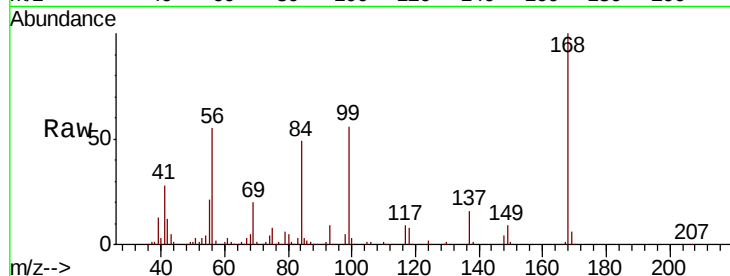
99 55.6 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

0

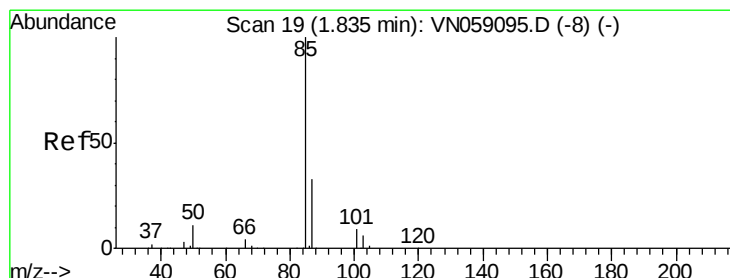
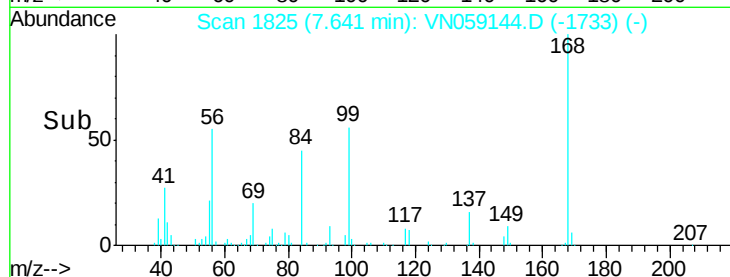
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.819 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059144.D

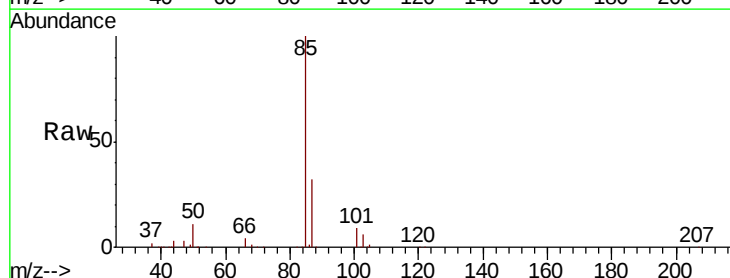
Acq: 11 Nov 2019 8:50

Tgt Ion: 85 Resp: 249818

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

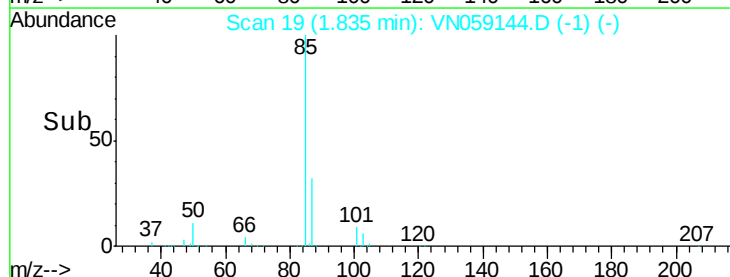
50000

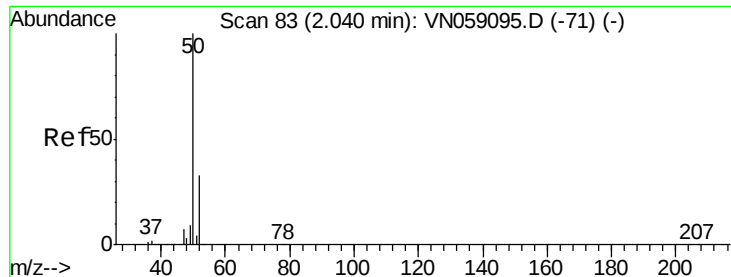
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 41.759 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 316397

Ion Ratio Lower Upper

50 100

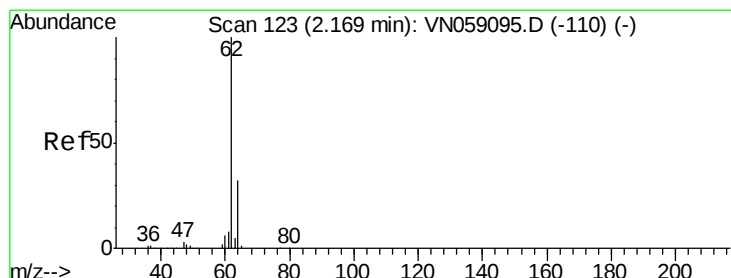
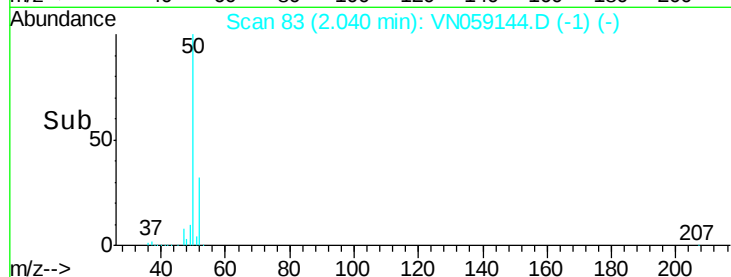
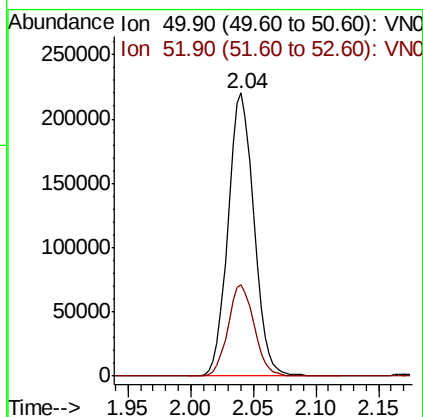
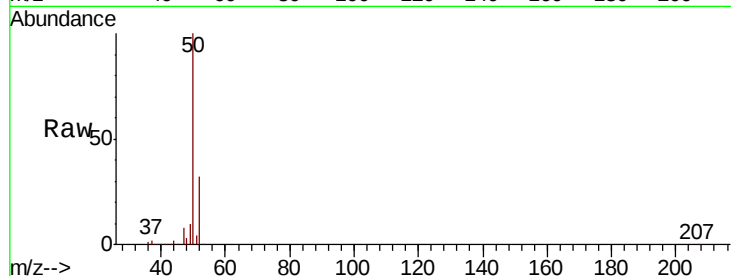
52 32.3 26.0 39.0

Manual Integrations

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11/12/2019 11:20:05 AM



#4

Vinyl Chloride

Concen: 44.460 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059144.D

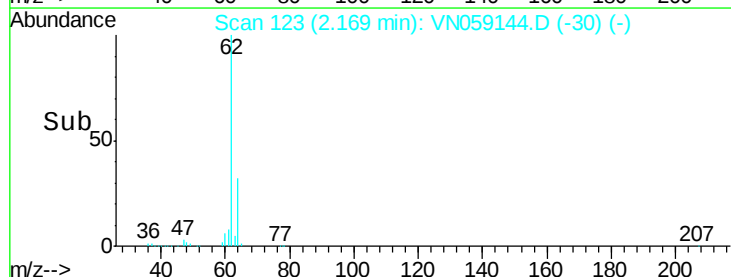
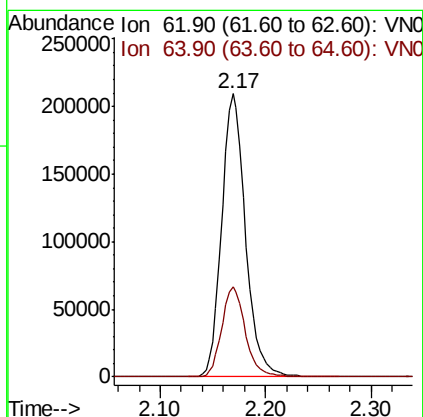
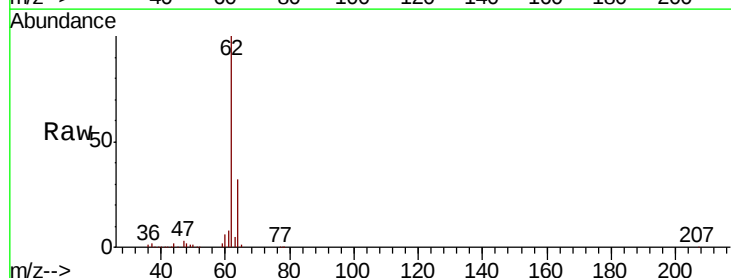
Acq: 11 Nov 2019 8:50

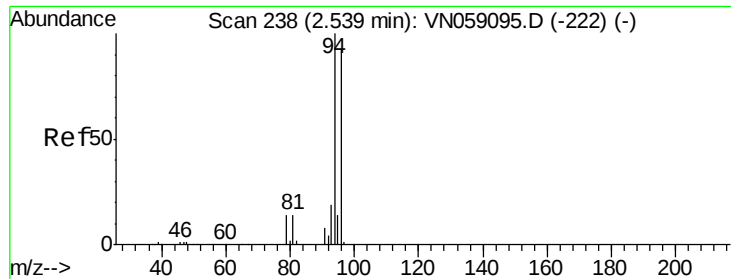
Tgt Ion: 62 Resp: 326597

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 43.005 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 181791

Ion Ratio Lower Upper

94 100

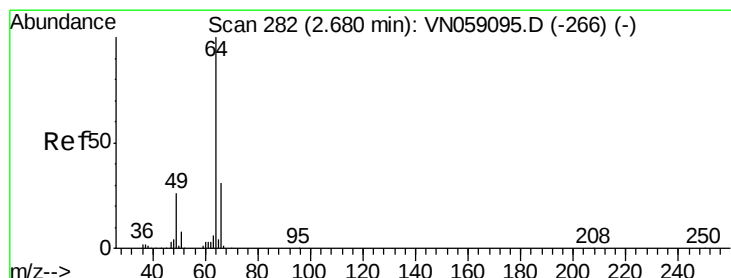
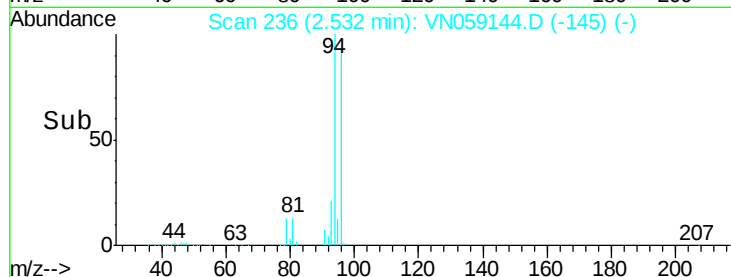
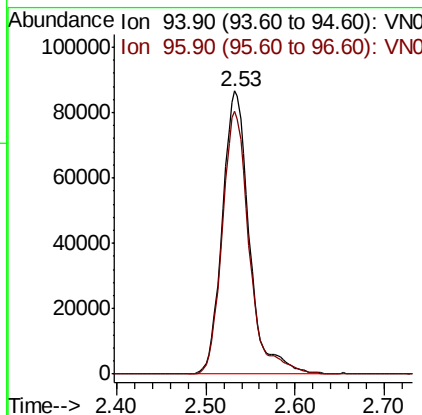
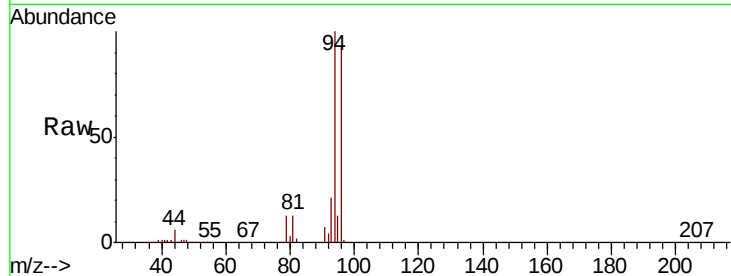
96 93.0 74.2 111.2

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#6

Chloroethane

Concen: 45.955 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059144.D

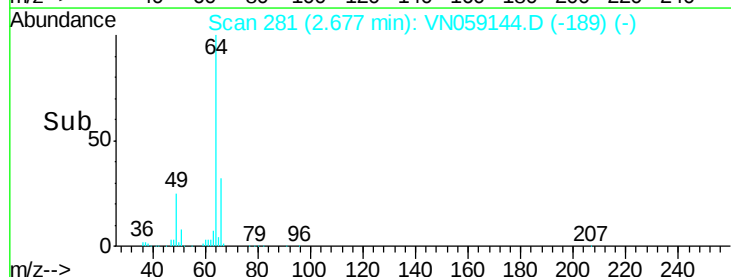
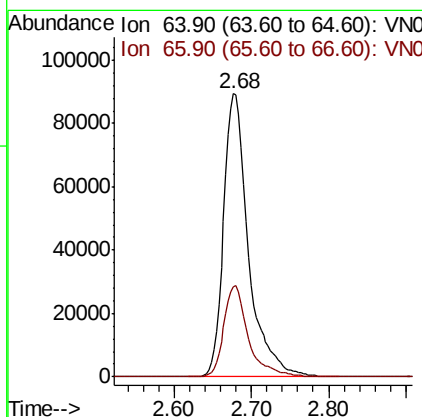
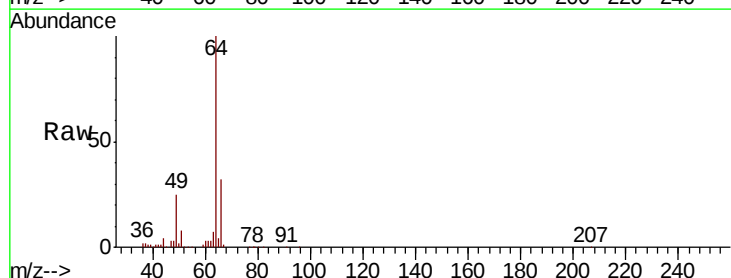
Acq: 11 Nov 2019 8:50

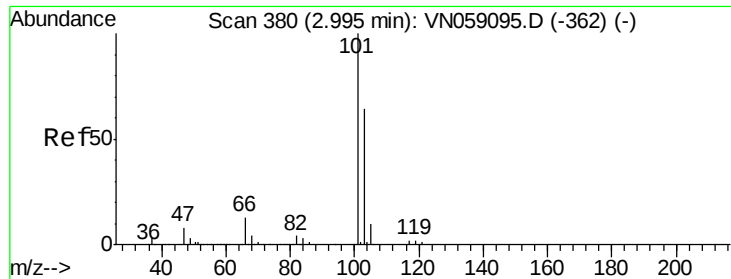
Tgt Ion: 64 Resp: 199695

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

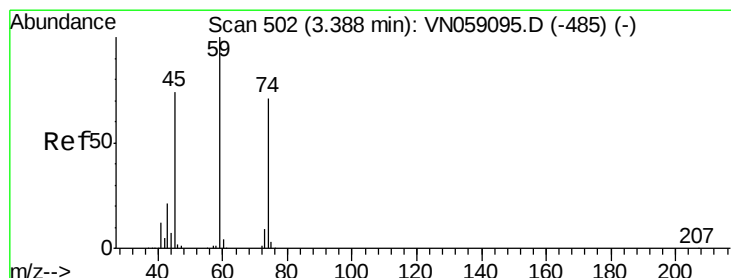
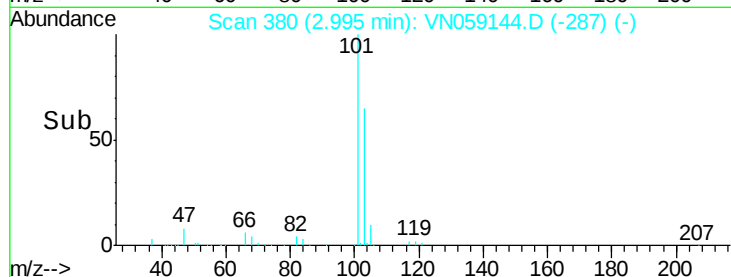
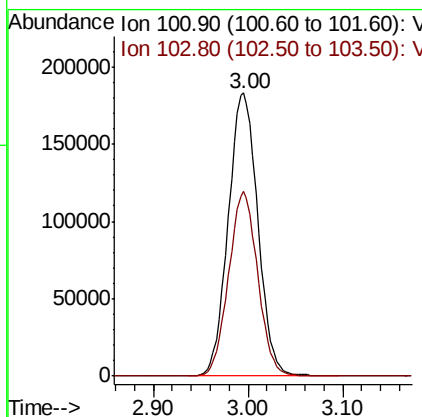
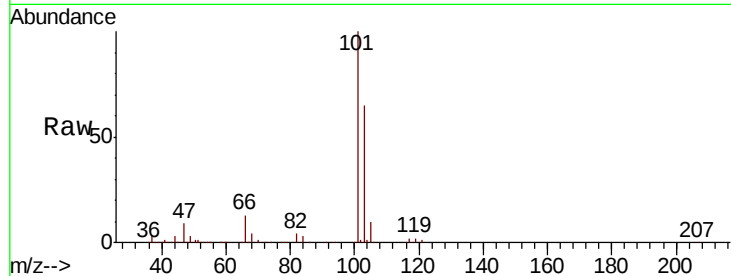
Trichlorofluoromethane
Concen: 45.282 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059144.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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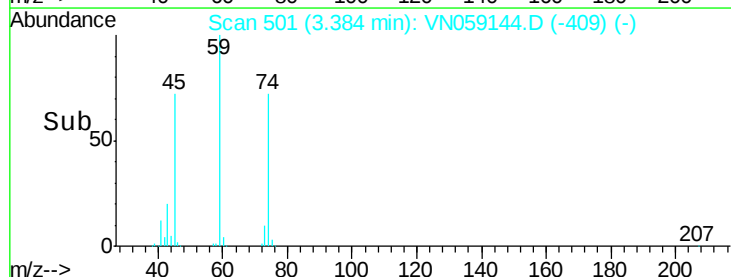
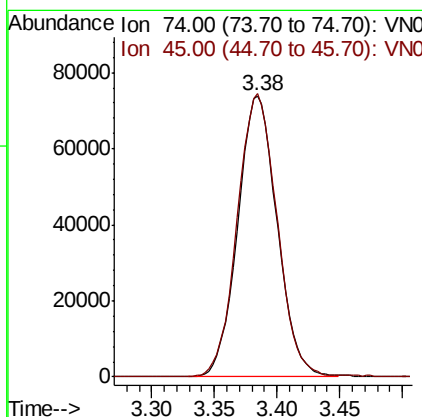
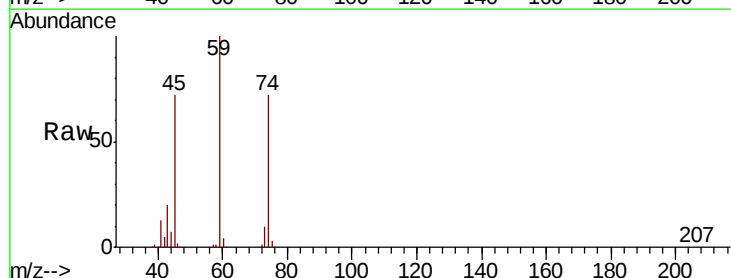
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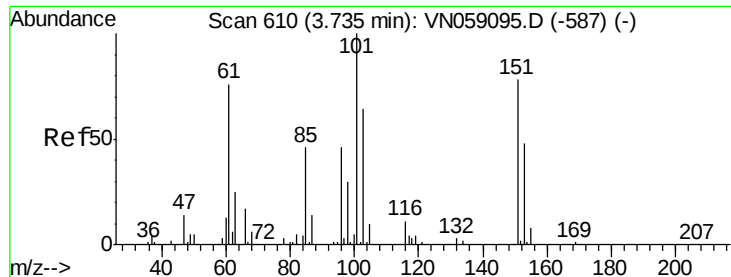


#8

Diethyl Ether
Concen: 45.129 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.449 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

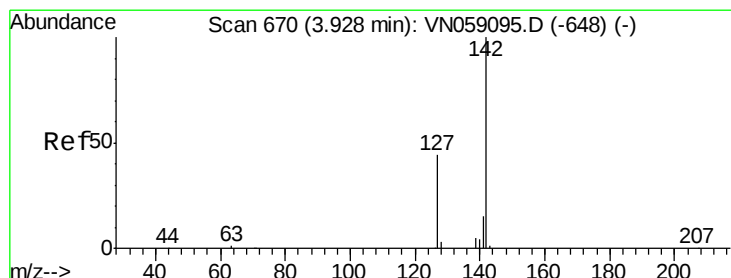
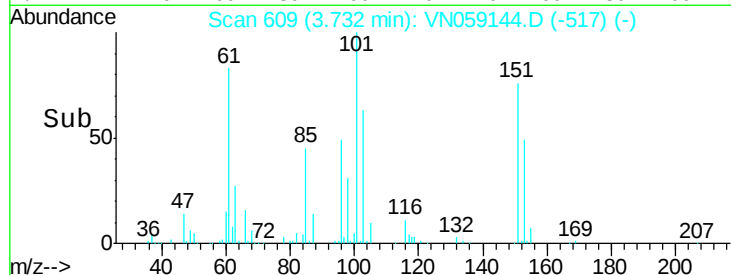
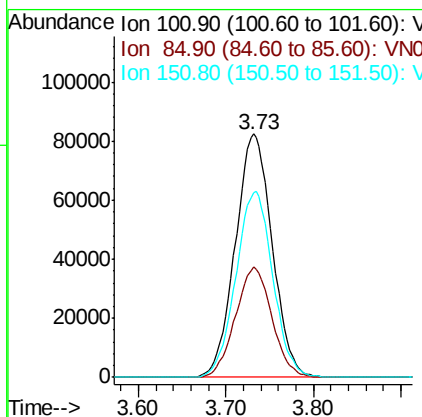
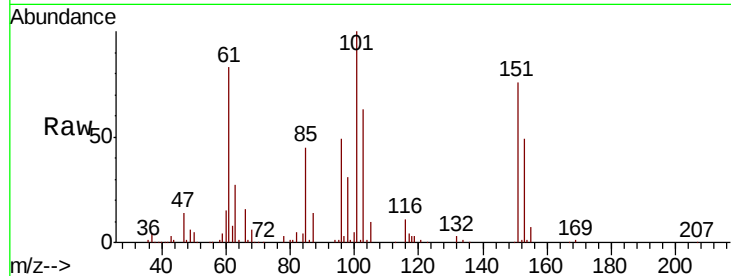
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	240777
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.5	53.3
151	76.6	62.2	93.2

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#10

Methyl Iodide

Concen: 45.739 ug/l

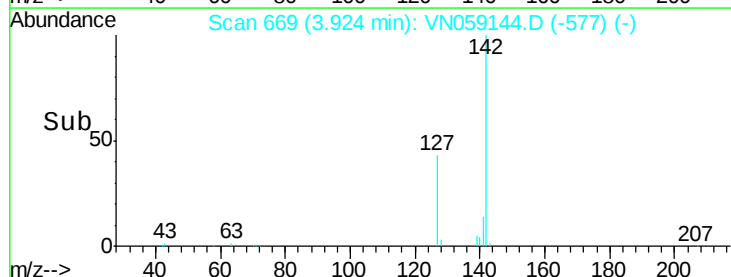
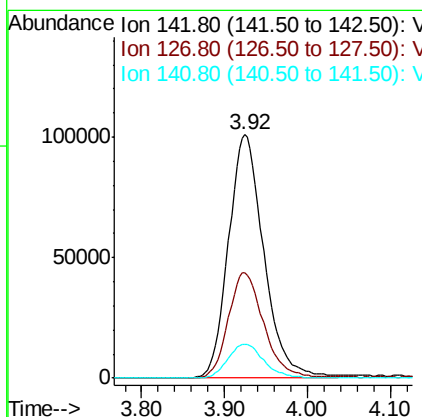
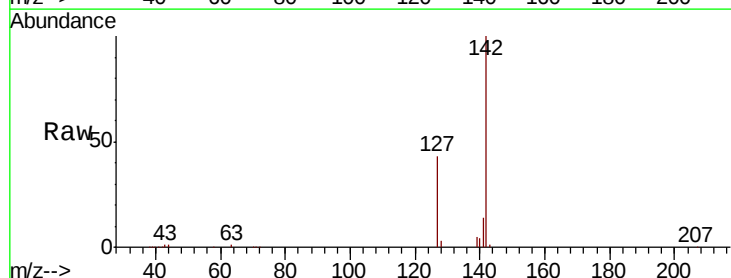
RT: 3.92 min Scan# 669

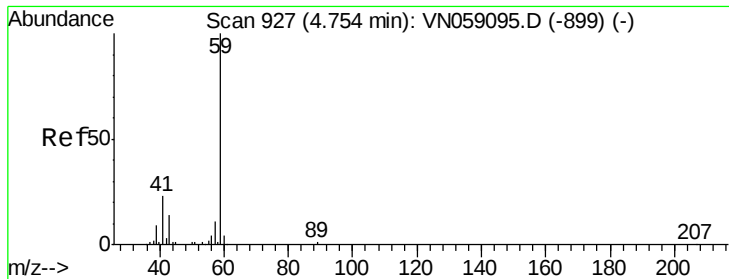
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	142	Resp:	299930
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.2
141	14.3	11.4	17.0





#11

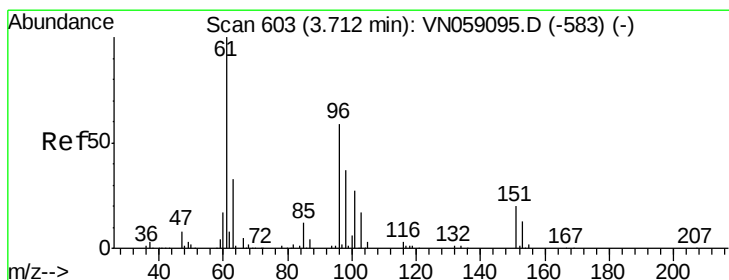
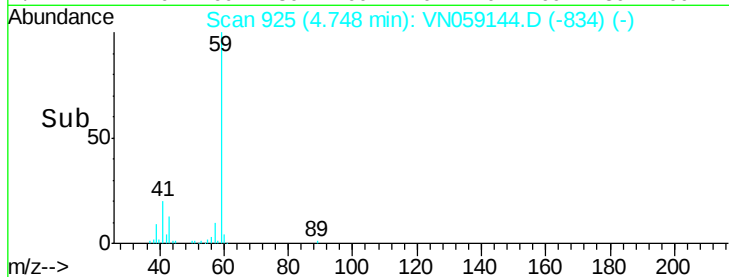
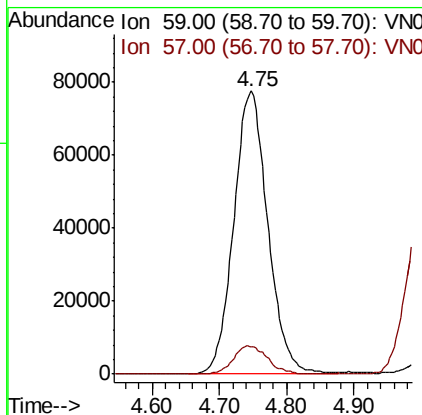
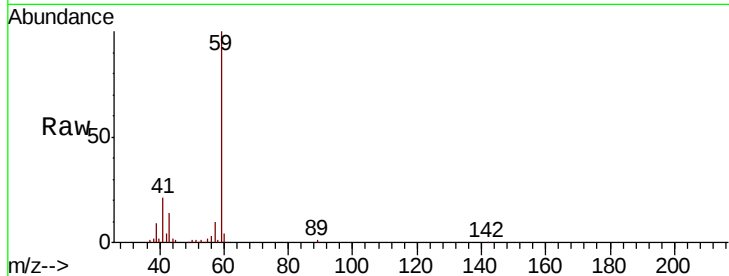
Tert butyl alcohol
Concen: 210.697 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	273068
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

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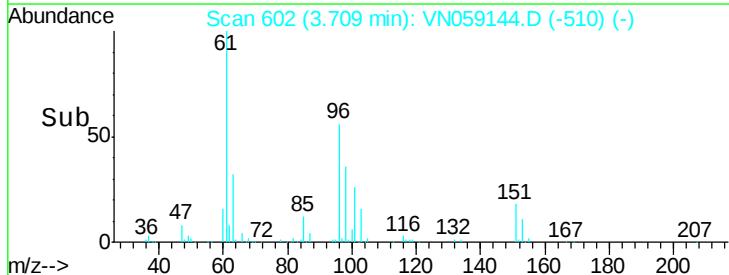
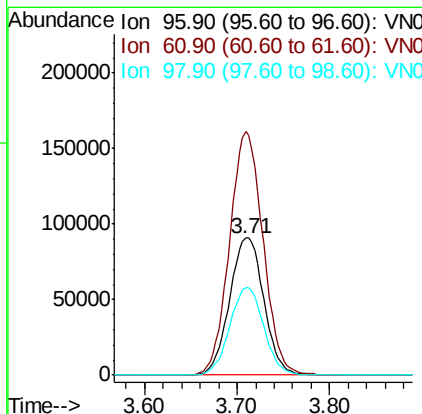
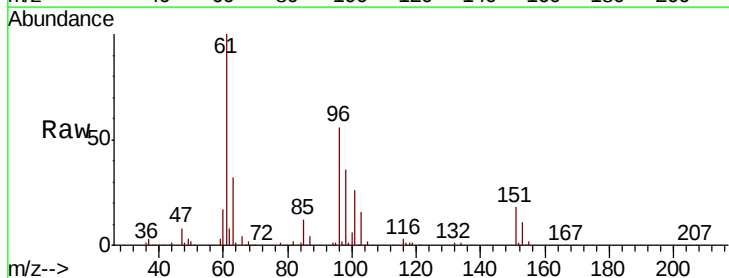
MMDadoda
11/12/2019 11:20:05 AM

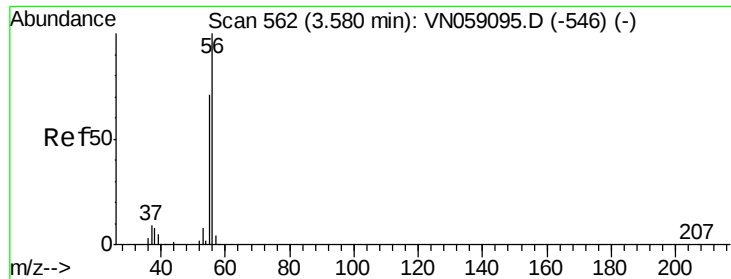


#12

1,1-Dichloroethene
Concen: 45.163 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	96	Resp	233071
Ion Ratio	100	Lower	Upper
61	177.4	136.5	204.7
98	63.9	50.2	75.4





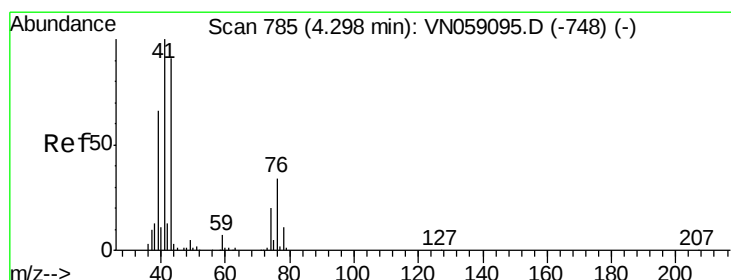
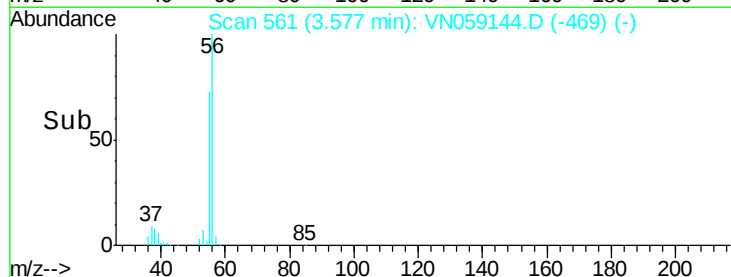
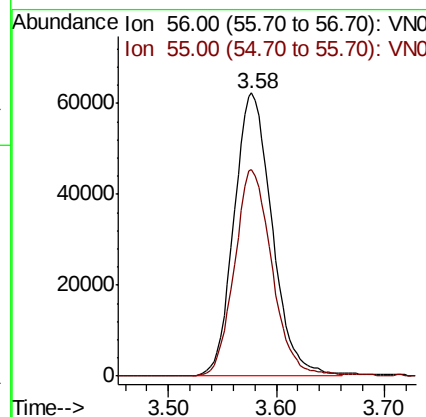
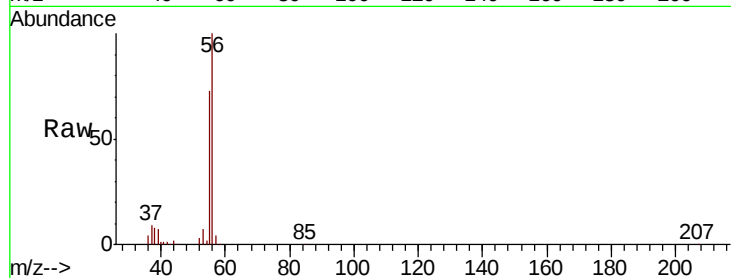
#13
Acrolein
Concen: 229.504 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	153355
Ion Ratio	100	Lower	Upper
55	72.2	56.4	84.6

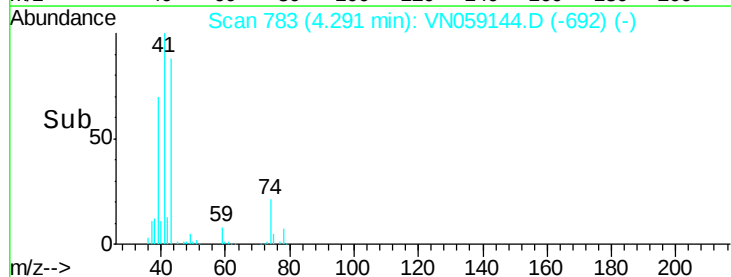
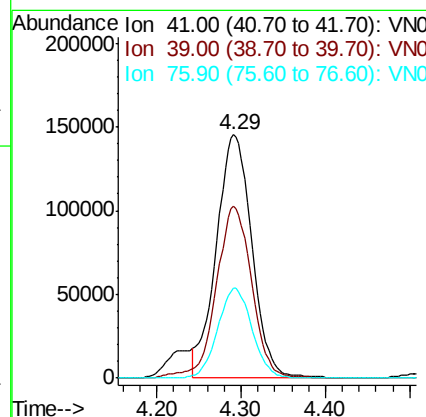
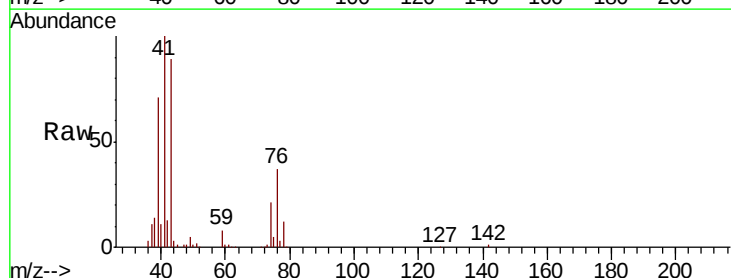
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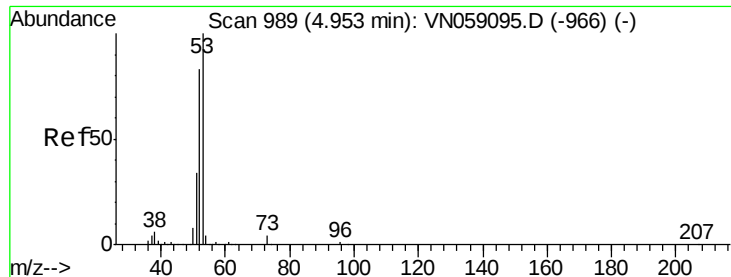
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#14
Allyl chloride
Concen: 39.997 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	41	Resp	423995
Ion Ratio	100	Lower	Upper
39	71.0	49.1	73.7
76	36.0	24.9	37.3





#15

Acrylonitrile

Concen: 220.442 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

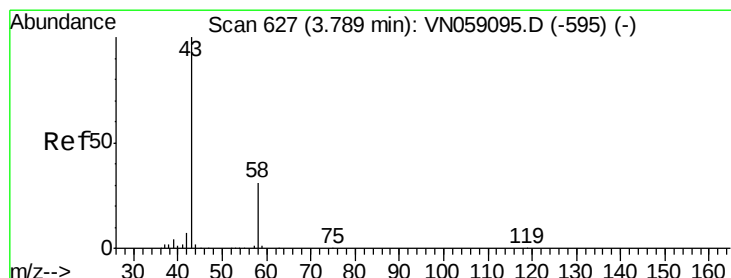
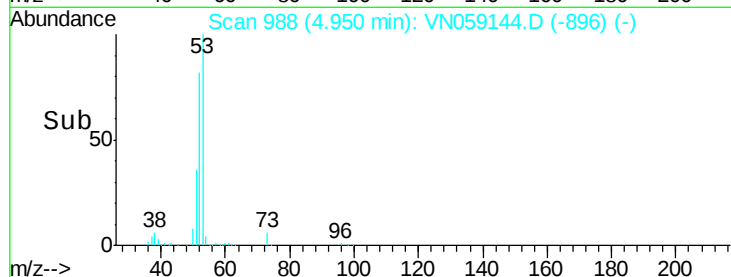
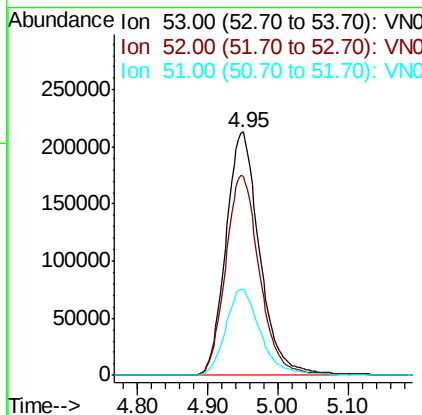
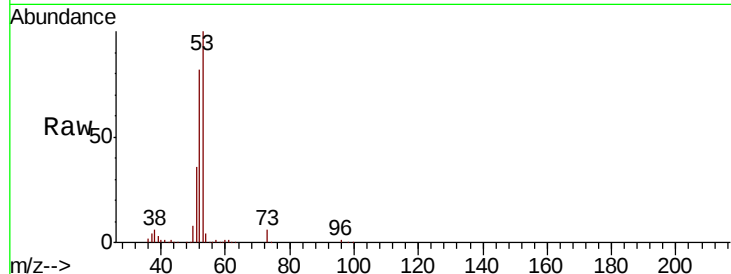
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	711003
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.0	97.6
51	36.6	28.0	42.0

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#16

Acetone

Concen: 298.510 ug/l

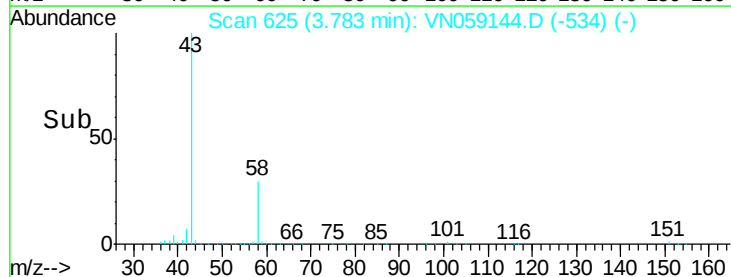
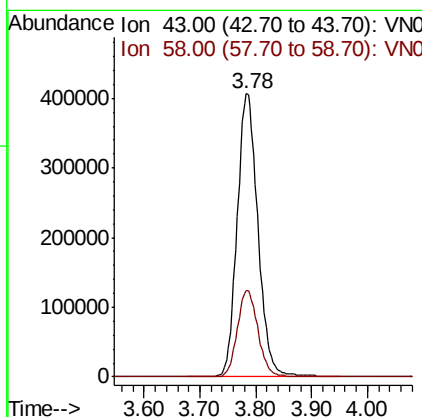
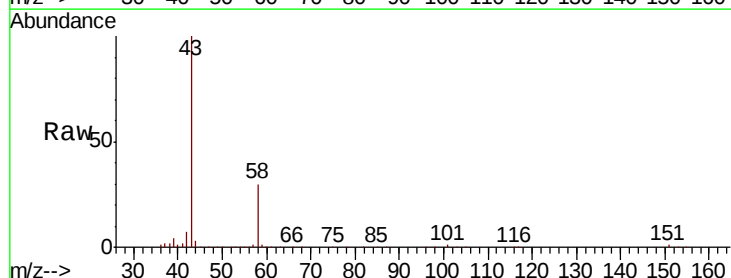
RT: 3.78 min Scan# 625

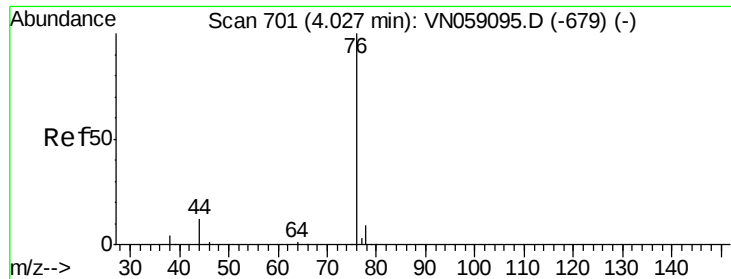
Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	43	Resp:	1055642
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





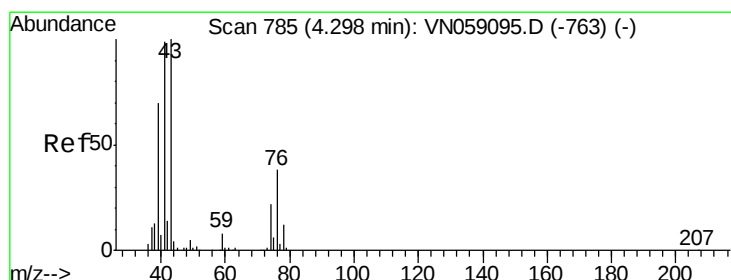
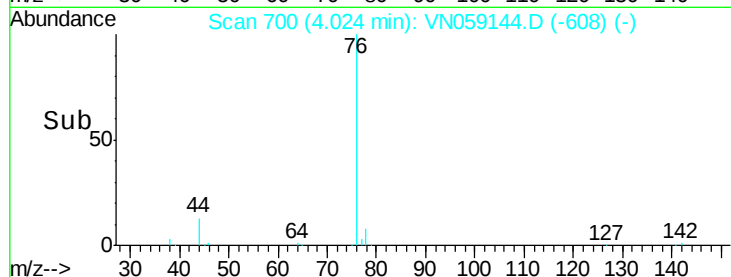
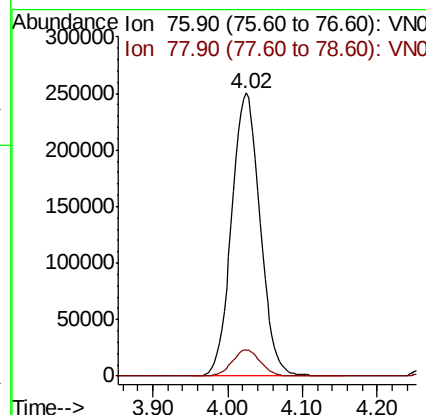
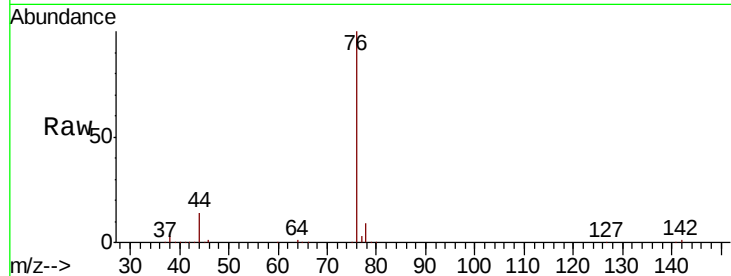
#17
Carbon Disulfide
Concen: 41.325 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

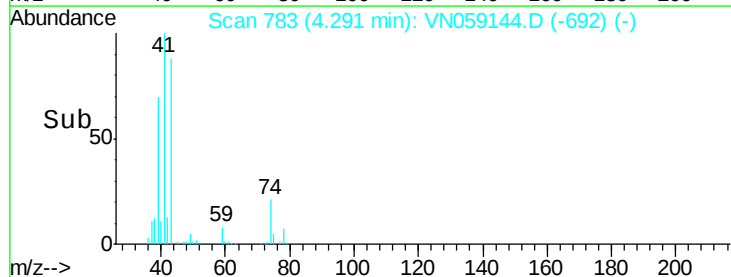
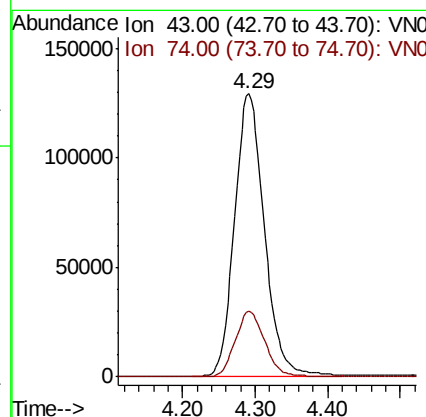
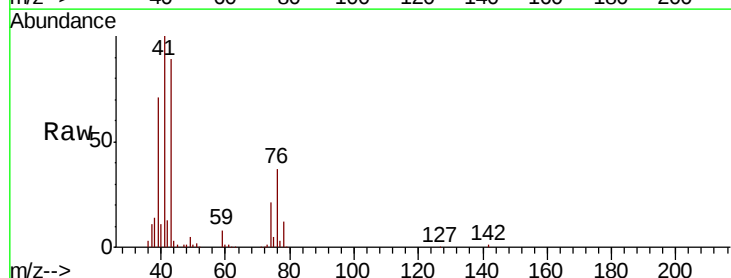
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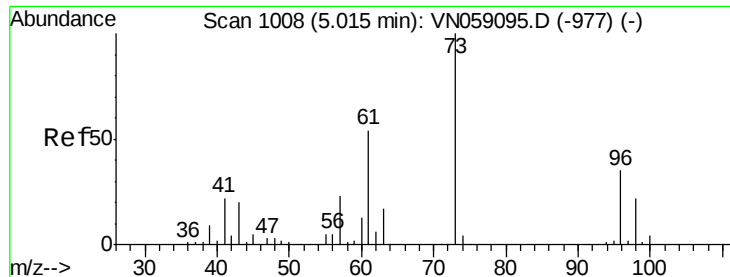
MMDadoda
11/12/2019 11:20:05 AM



#18
Methyl Acetate
Concen: 43.872 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.8	26.8





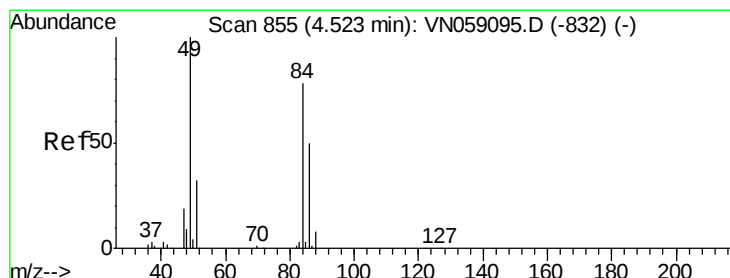
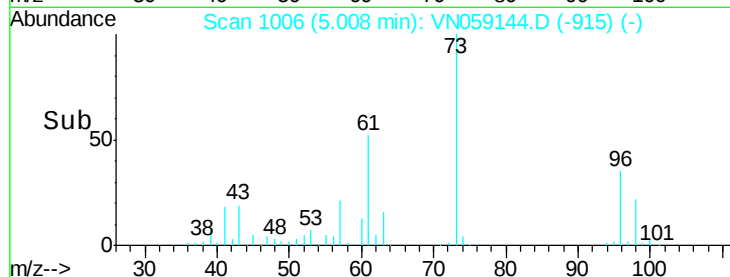
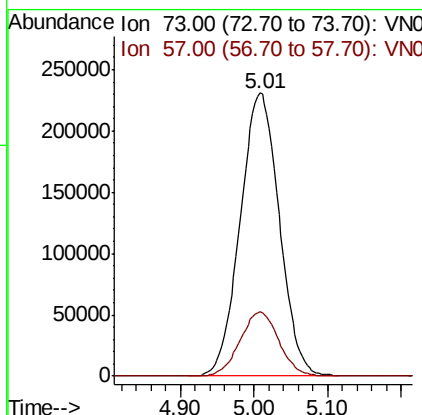
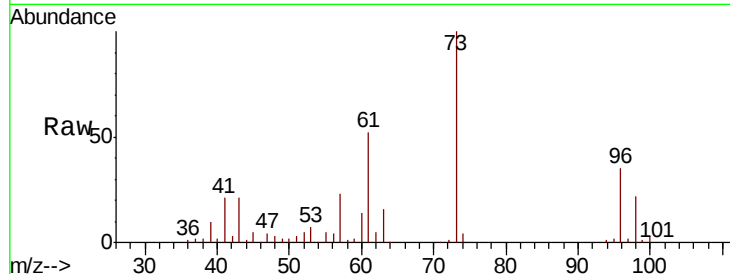
#19
Methyl tert-butyl Ether
Concen: 48.074 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 854161
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

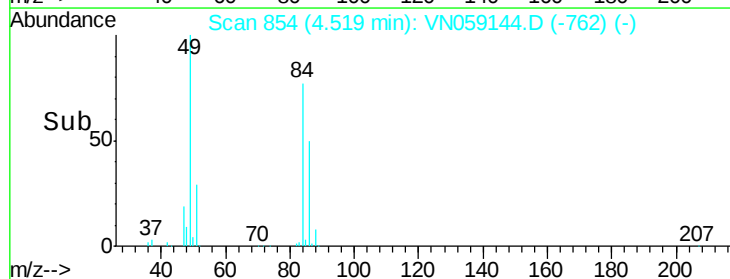
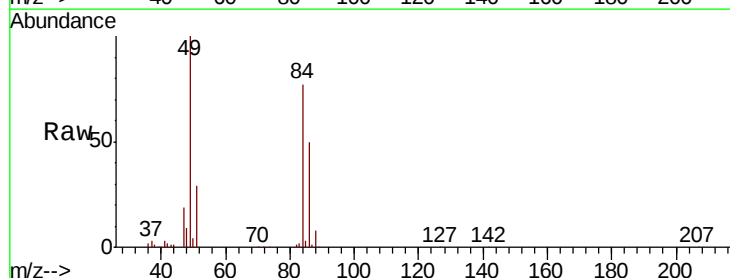
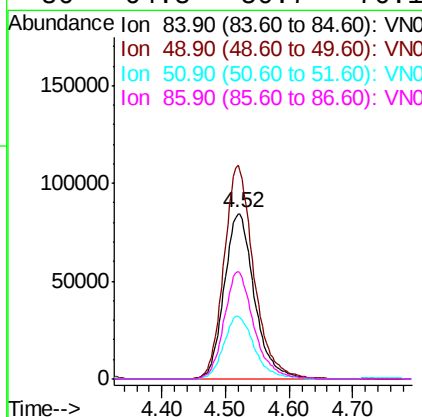
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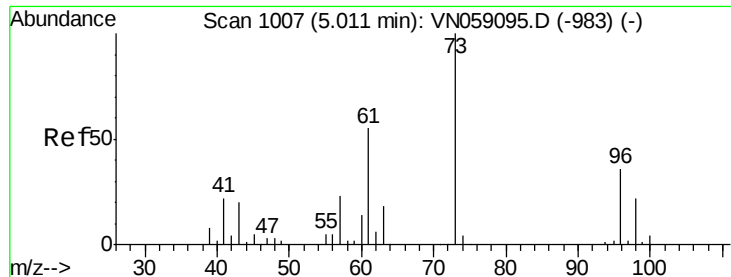
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#20
Methylene Chloride
Concen: 45.271 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 84 Resp: 278912
Ion Ratio Lower Upper
84 100
49 129.2 102.0 153.0
51 37.7 32.2 48.2
86 64.8 50.7 76.1





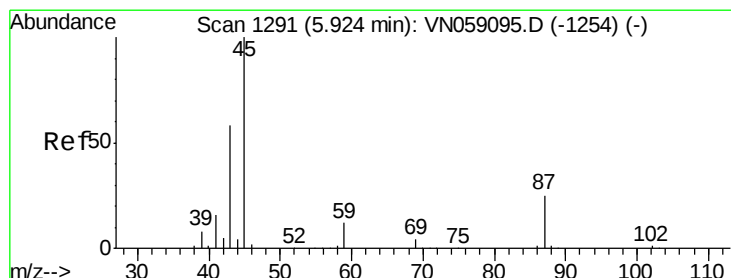
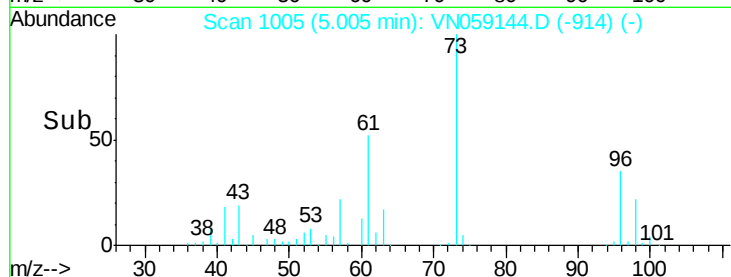
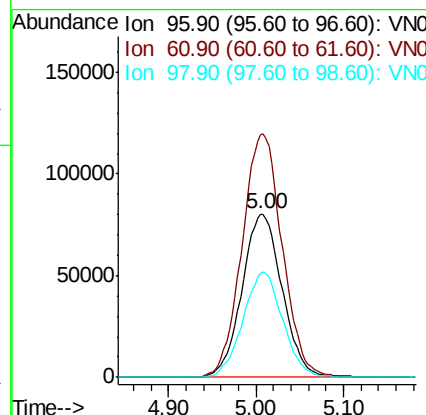
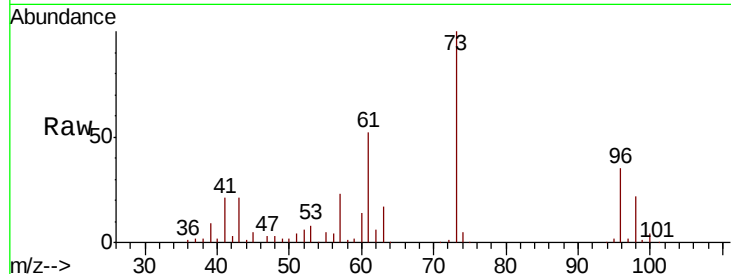
#21
trans-1,2-Dichloroethene
Concen: 46.002 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	122.6	183.8
98	63.5	50.3	75.5

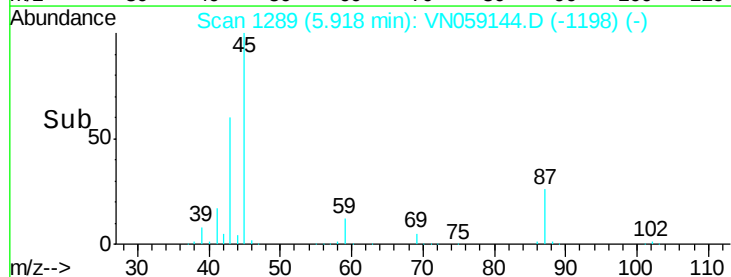
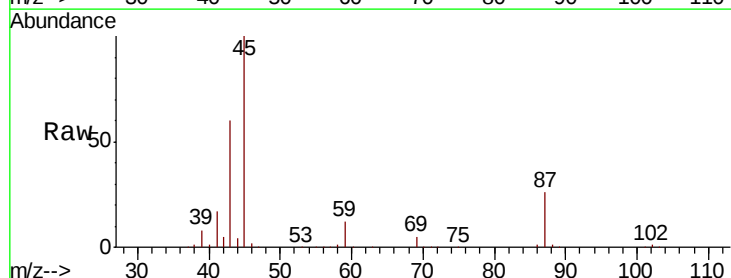
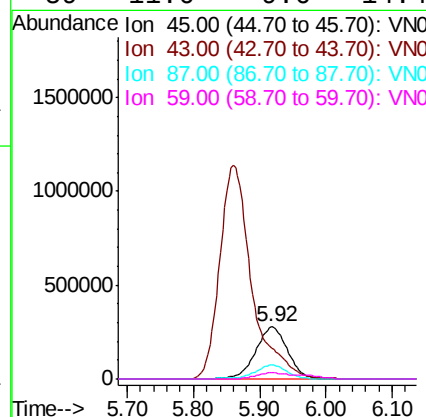
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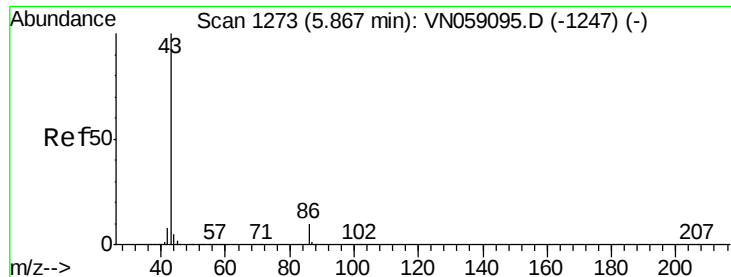
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#22
Diisopropyl ether
Concen: 46.461 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.7	70.1
87	26.1	20.5	30.7
59	11.6	9.6	14.4





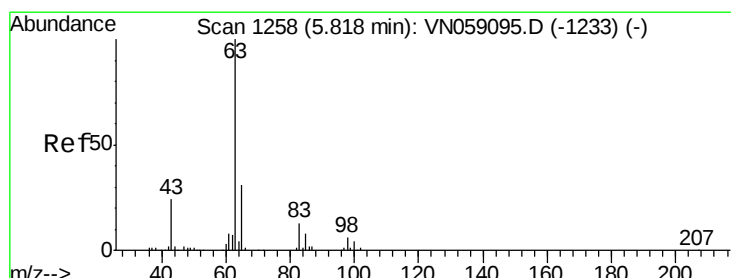
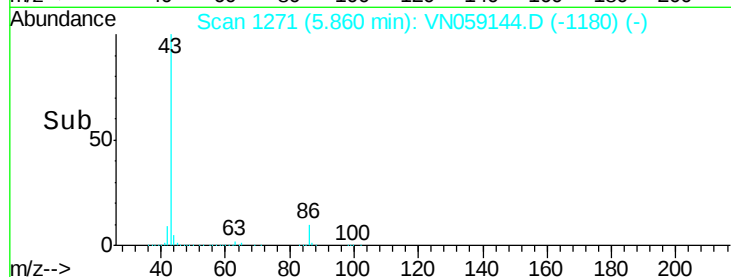
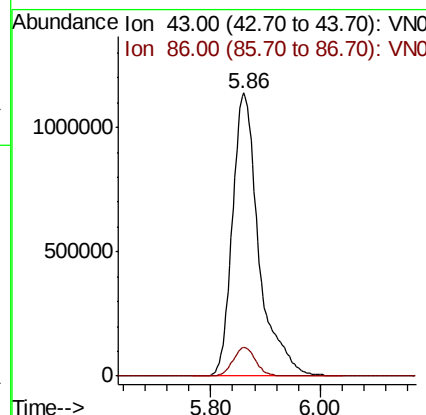
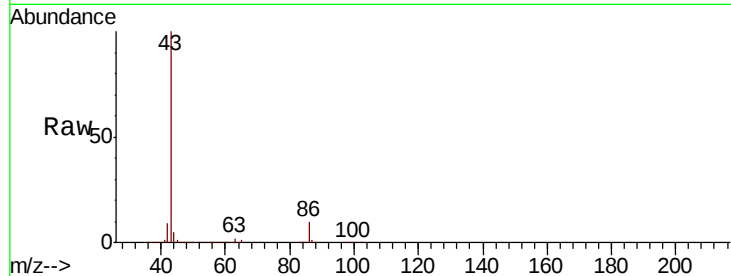
#23
 Vinyl Acetate
 Concen: 246.604 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3826856
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.7 11.5

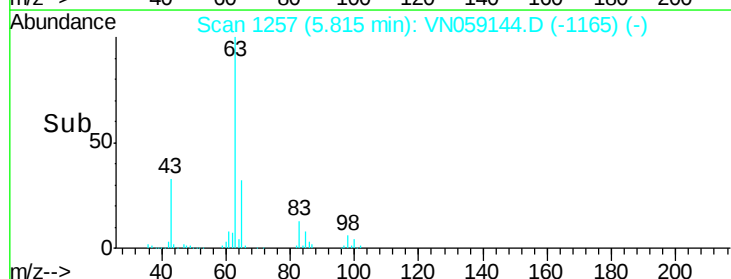
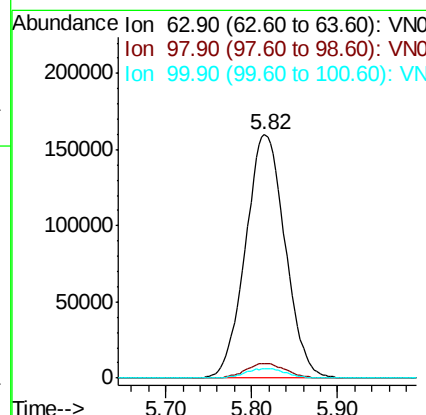
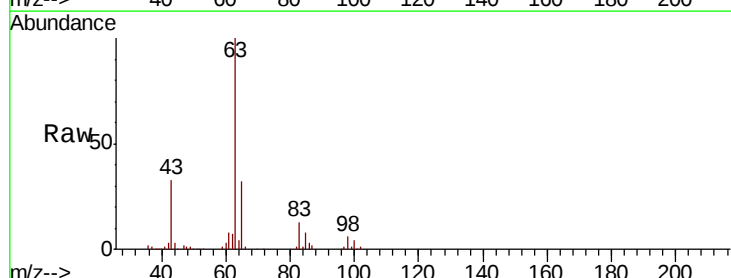
Manual Integrations
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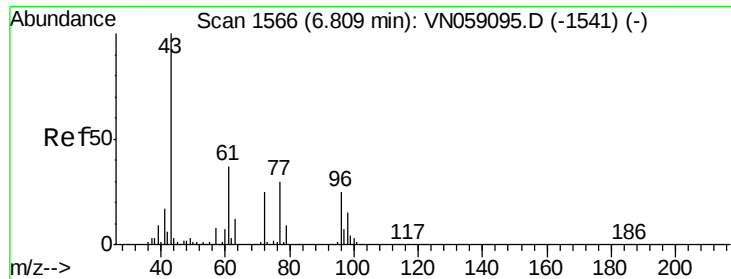
MMDadoda
 11/12/2019 11:20:05 AM



#24
 1,1-Dichloroethane
 Concen: 45.822 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion: 63 Resp: 512444
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 249.713 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1163846

Ion Ratio Lower Upper

43 100

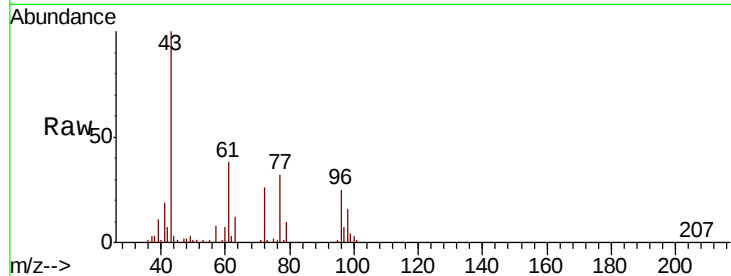
72 26.1 20.3 30.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

400000

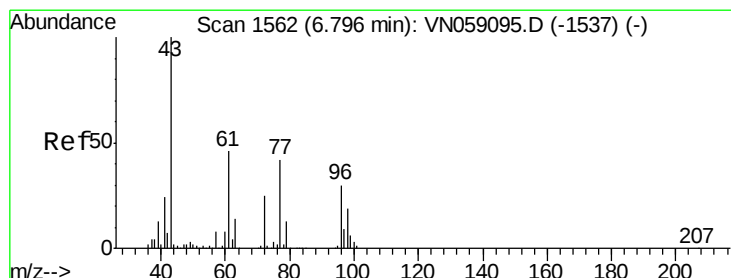
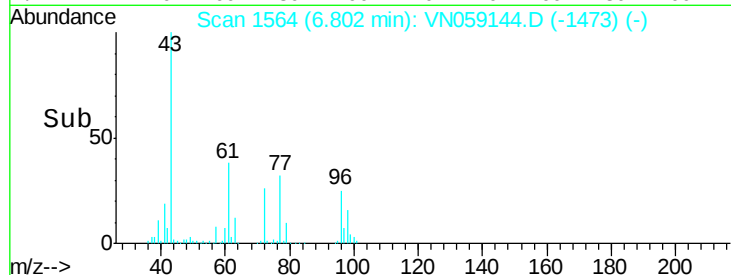
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.145 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059144.D

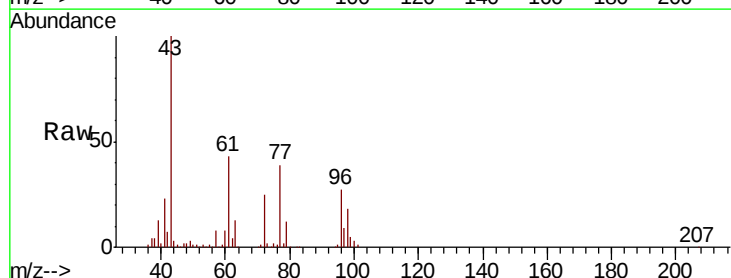
Acq: 11 Nov 2019 8:50

Tgt Ion: 77 Resp: 461022

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

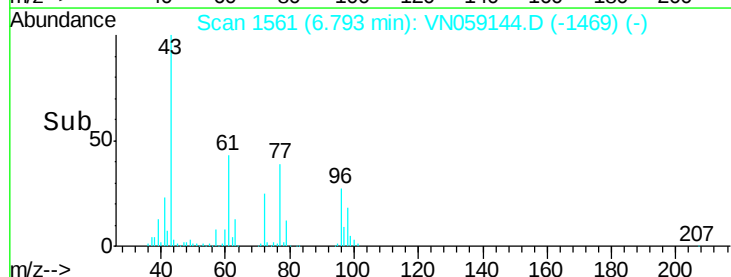
150000

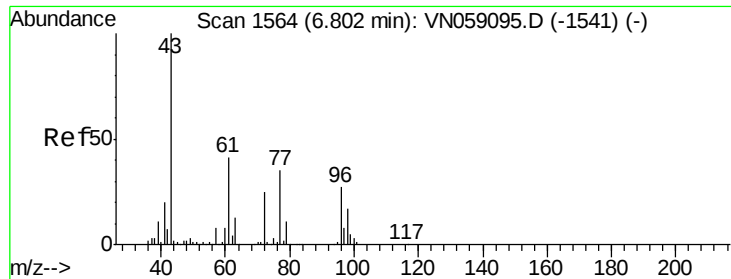
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.497 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

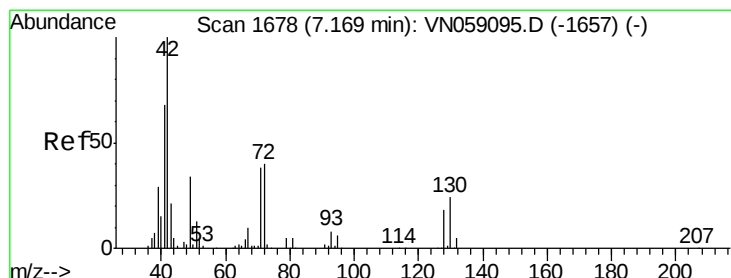
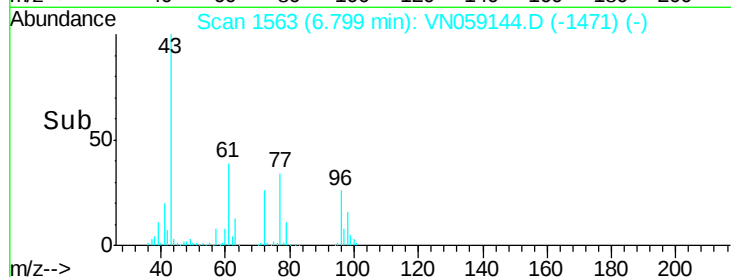
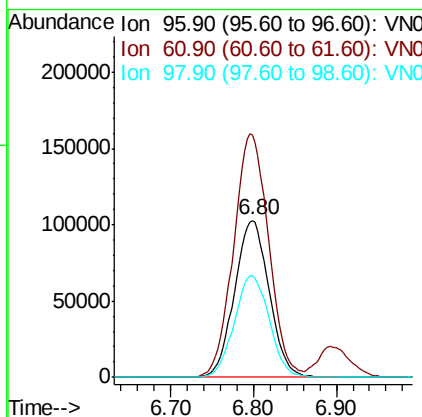
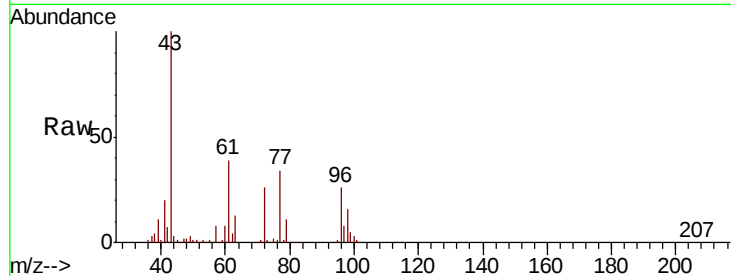
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	298819
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	311.6
98	65.3	0.0	129.8

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#28

Bromochloromethane

Concen: 42.486 ug/l

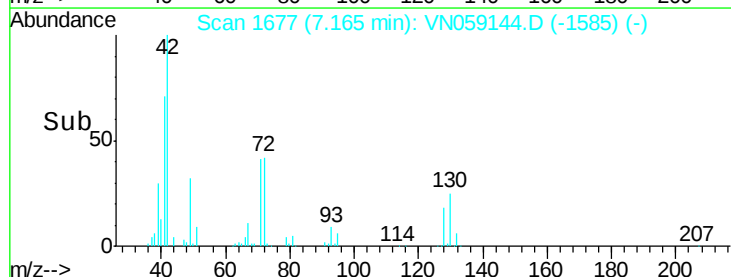
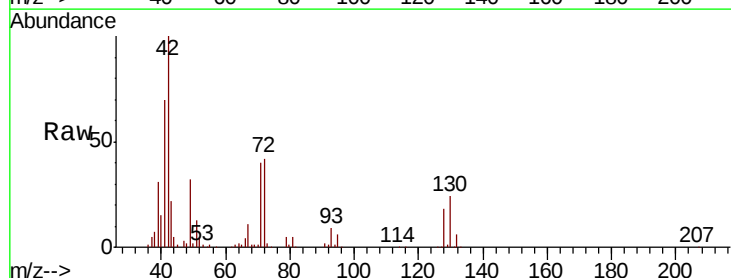
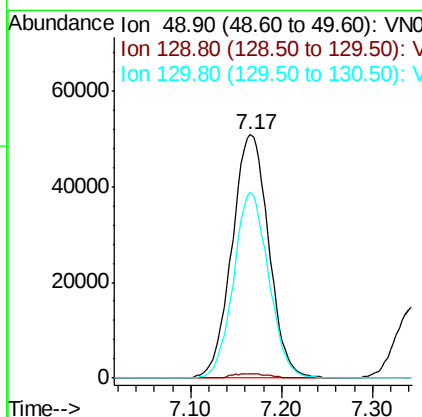
RT: 7.17 min Scan# 1677

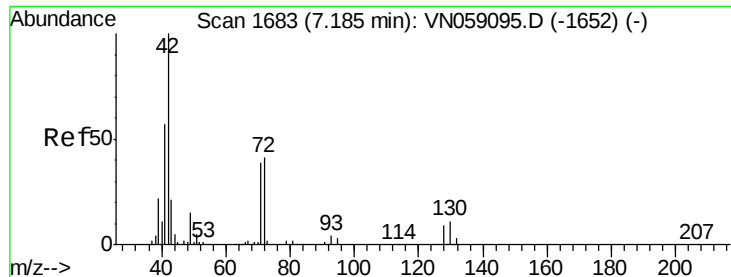
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	49	Resp:	142950
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	72.9	55.6	83.4





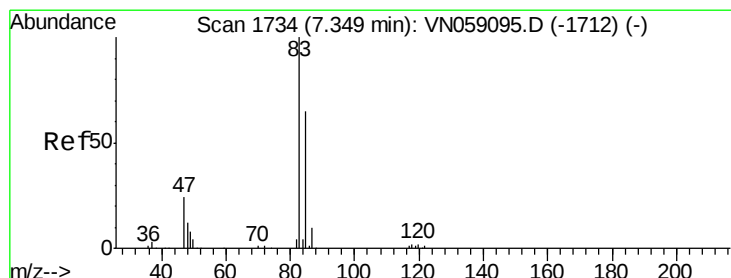
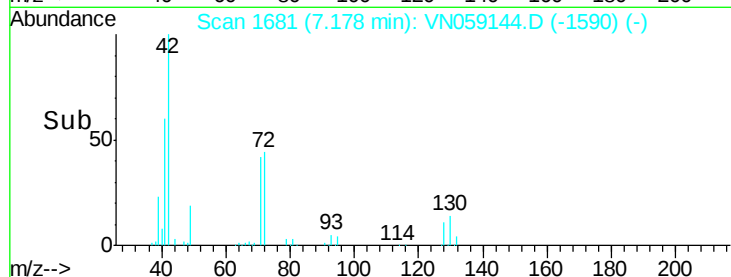
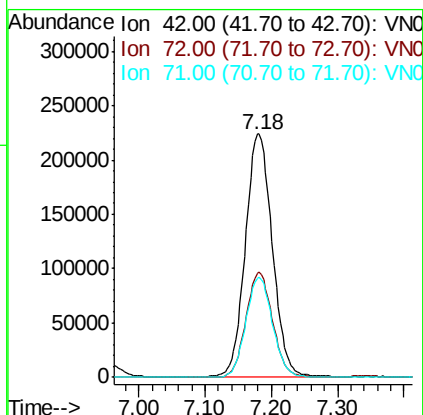
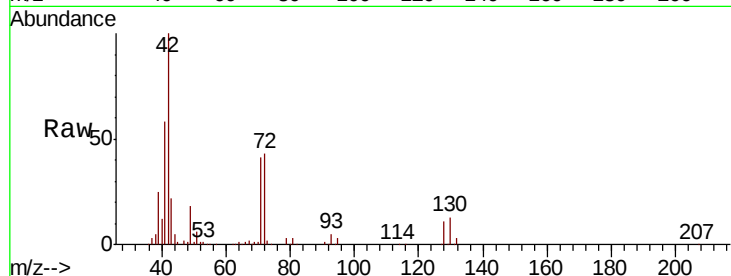
#29
Tetrahydrofuran
Concen: 214.054 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.1	49.7
71	40.6	30.9	46.3

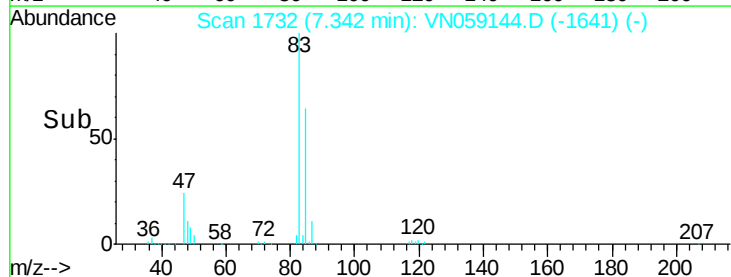
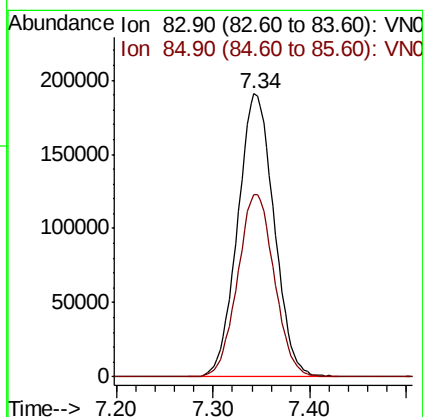
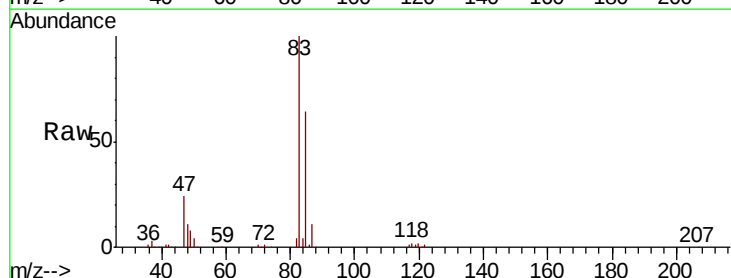
Manual Integrations
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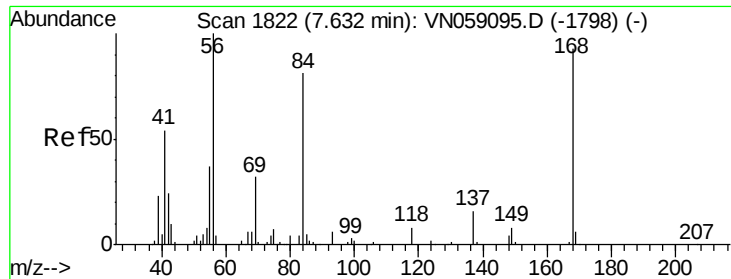
MMDadoda
11/12/2019 11:20:05 AM



#30
Chloroform
Concen: 46.519 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8





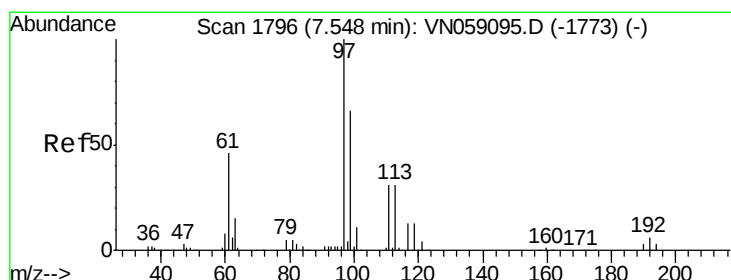
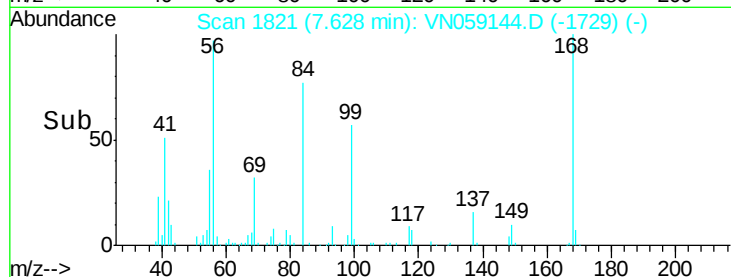
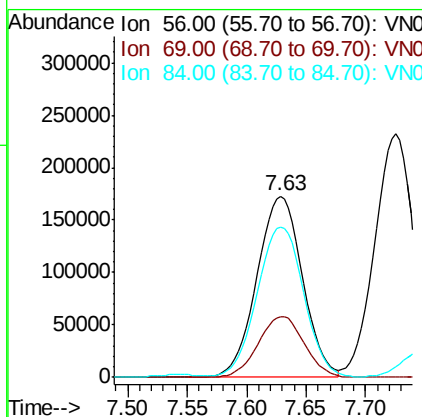
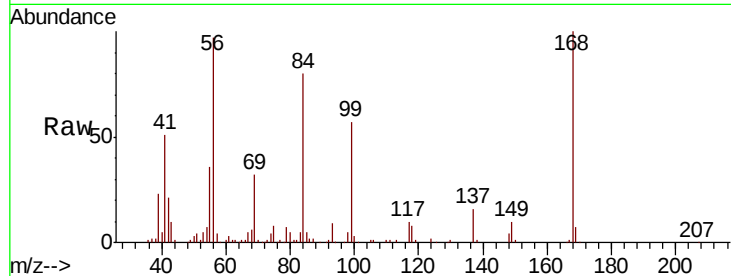
#31
Cyclohexane
Concen: 43.248 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	25.8	38.8
84	81.6	65.0	97.4

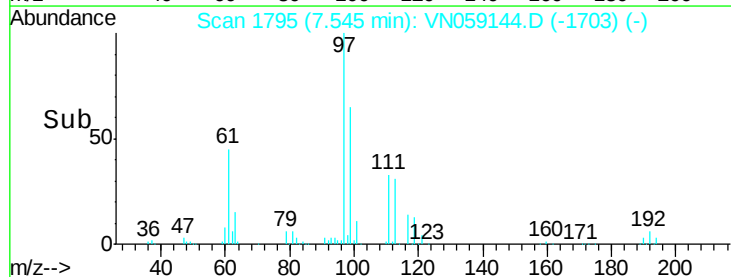
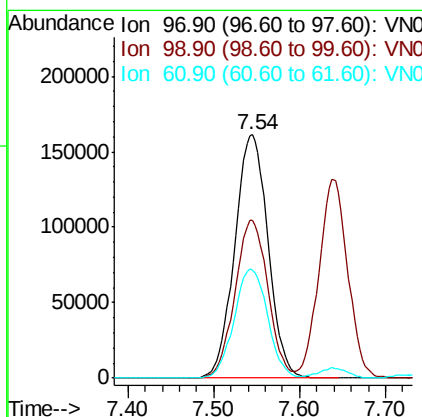
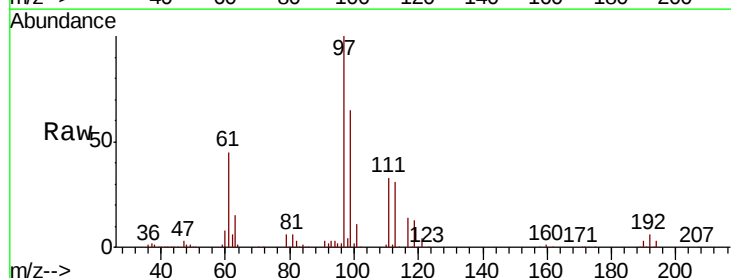
Manual Integrations
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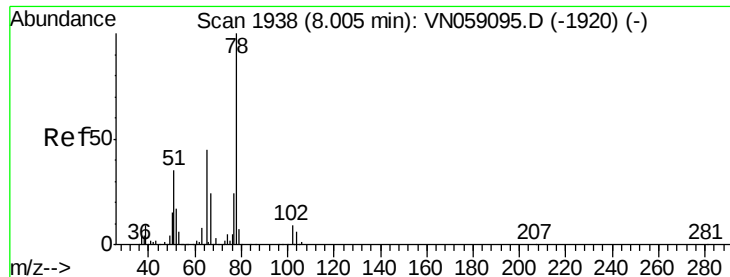
MMDadoda
11/12/2019 11:20:05 AM



#32
1,1,1-Trichloroethane
Concen: 48.160 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	45.1	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 46.030 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 313027

Ion Ratio Lower Upper

65 100

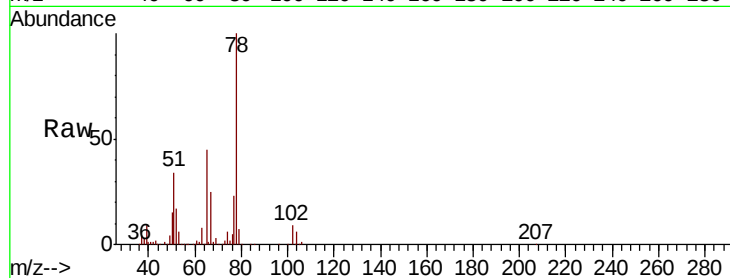
67 54.3 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

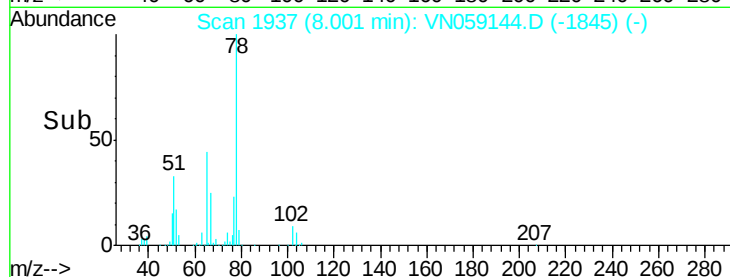
150000

100000

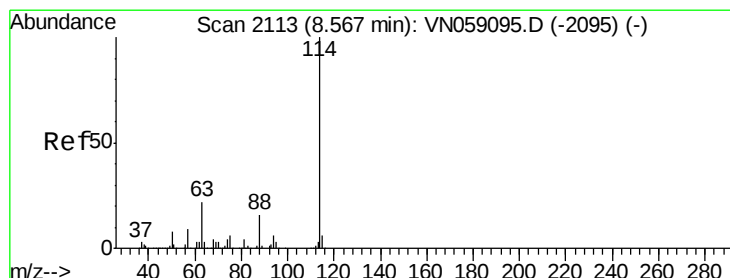
50000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

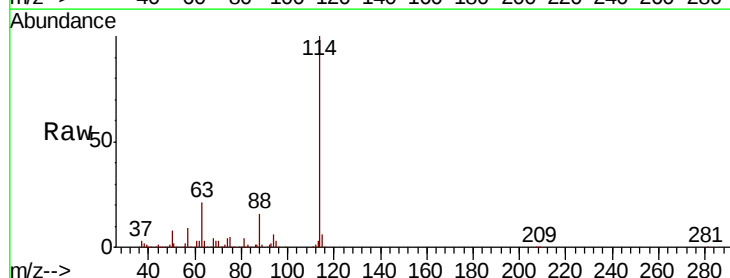
Tgt Ion: 114 Resp: 862701

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

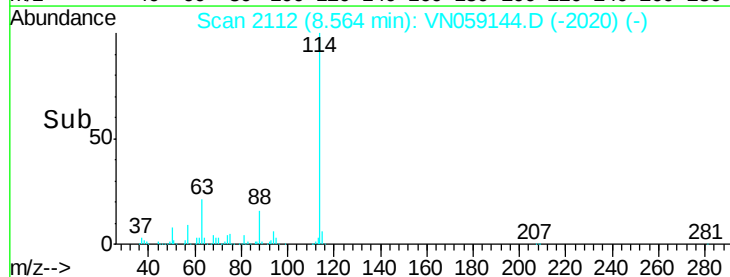
300000

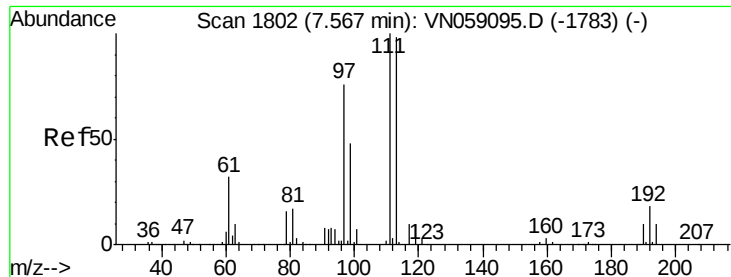
200000

100000

0

Time-->





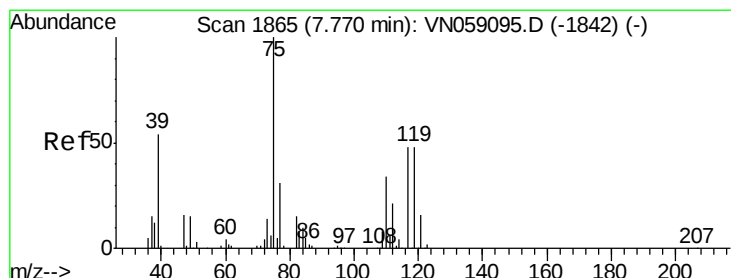
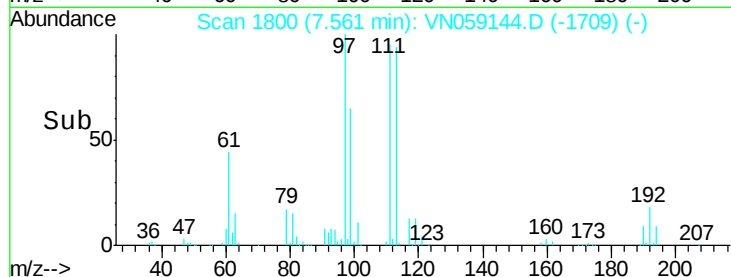
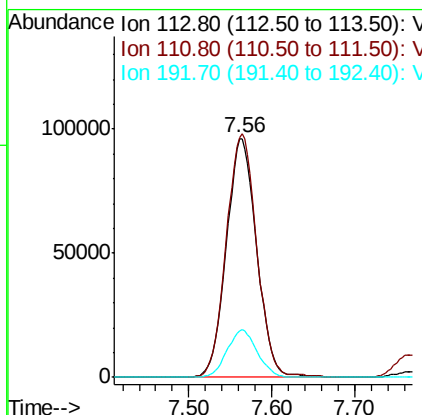
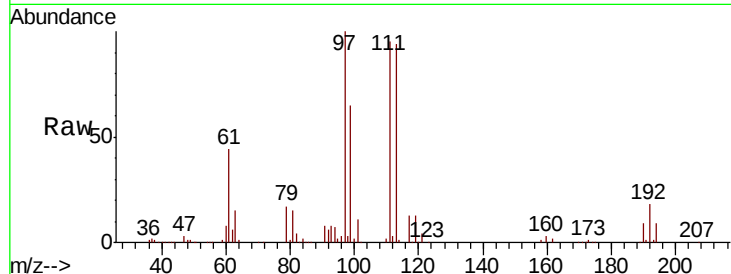
#35
 Dibromofluoromethane
 Concen: 47.430 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244318		
111	101.8	82.8	124.2	
192	19.6	16.1	24.1	

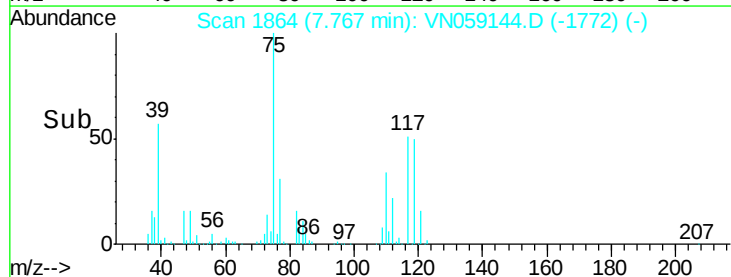
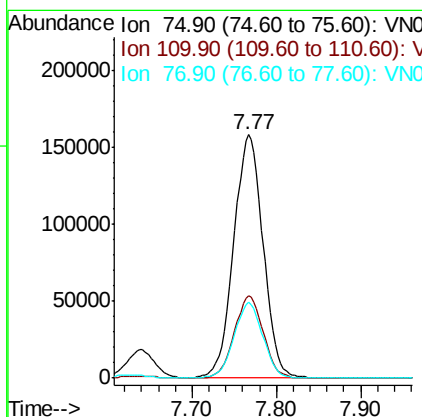
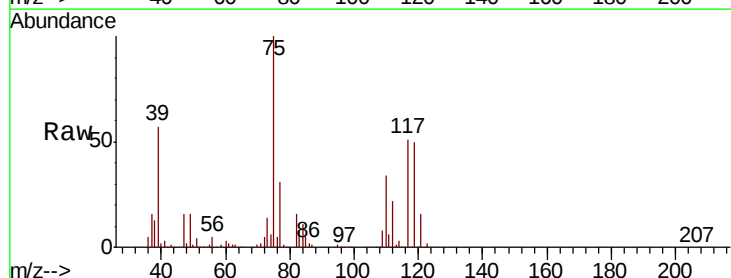
Manual Integrations
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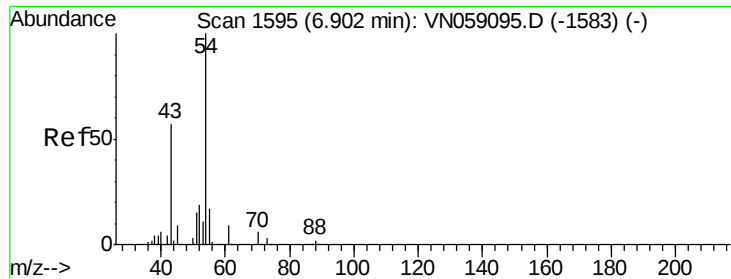
MMDadoda
 11/12/2019 11:20:05 AM



#36
 1,1-Dichloropropene
 Concen: 47.566 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	383563		
110	33.3	17.1	51.2	
77	30.8	24.8	37.2	





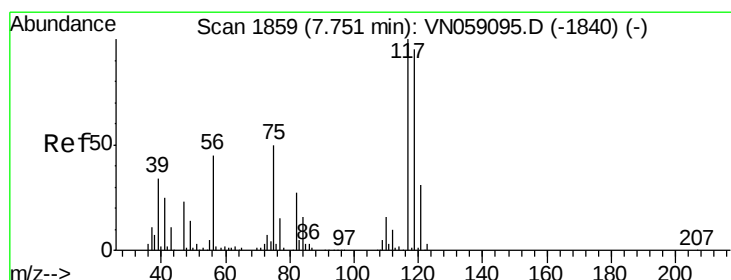
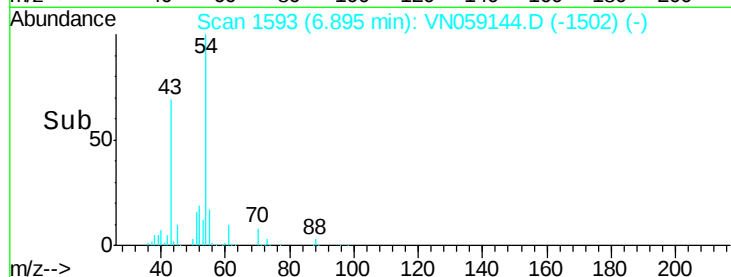
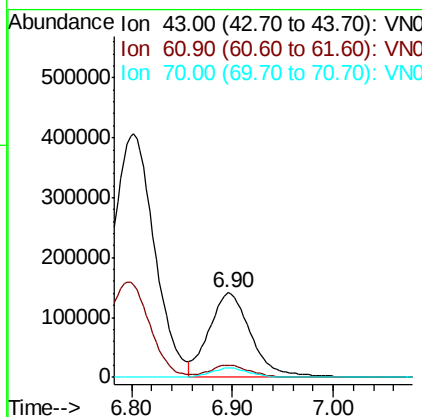
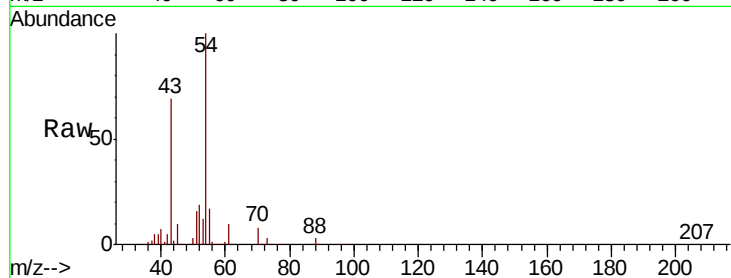
#37
Ethyl Acetate
Concen: 44.263 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	10.7	7.8	11.8

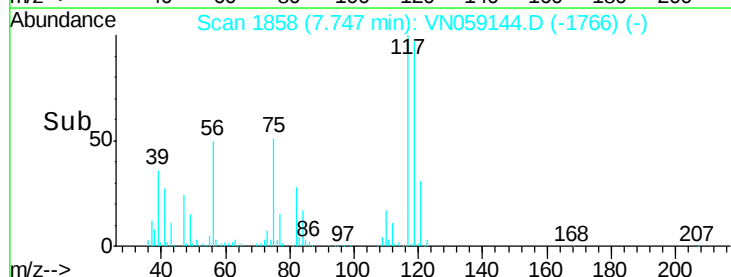
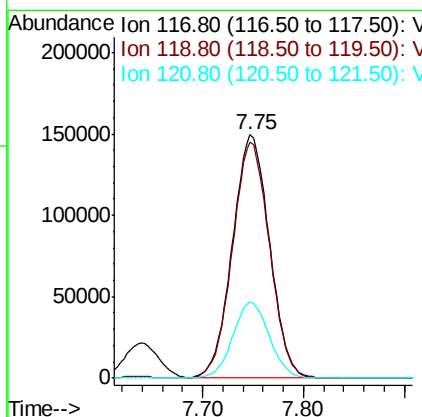
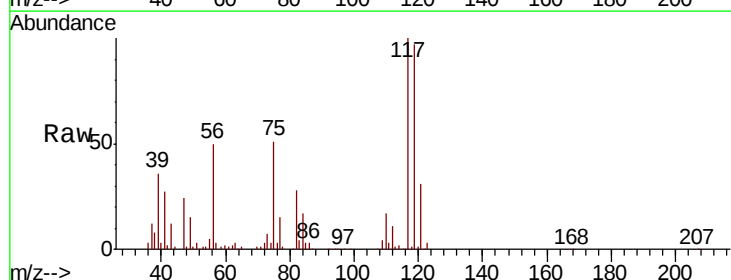
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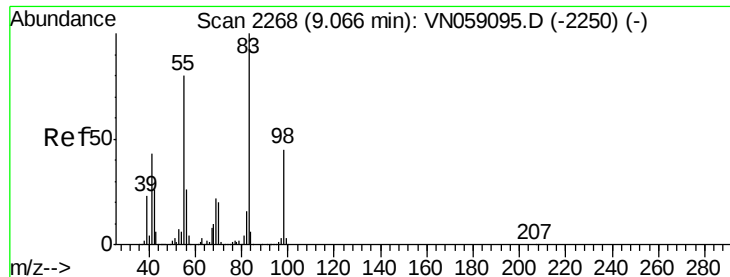
MMDadoda
11/12/2019 11:20:05 AM



#38
Carbon Tetrachloride
Concen: 47.458 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.6	113.4
121	31.2	24.6	36.8





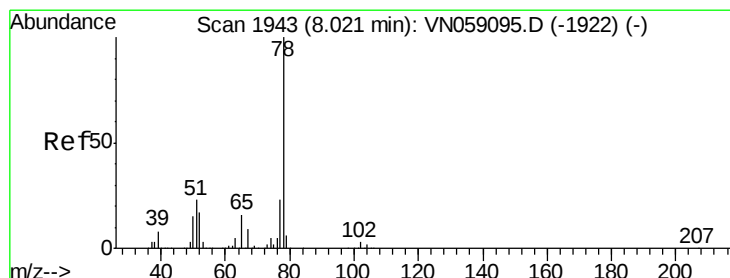
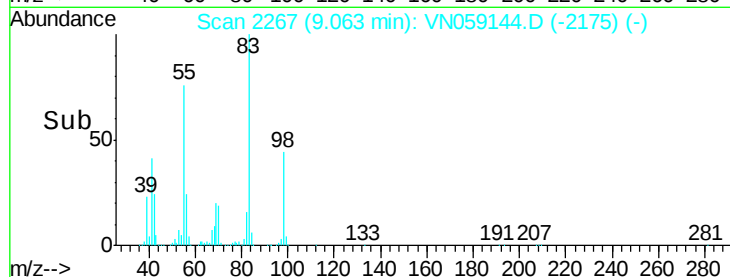
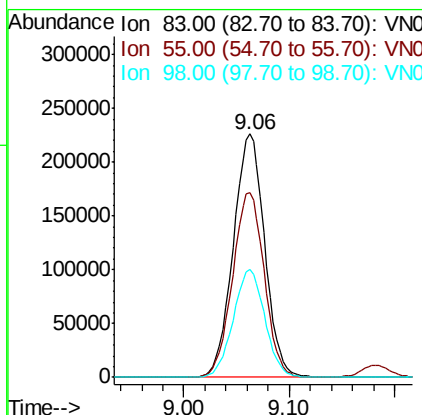
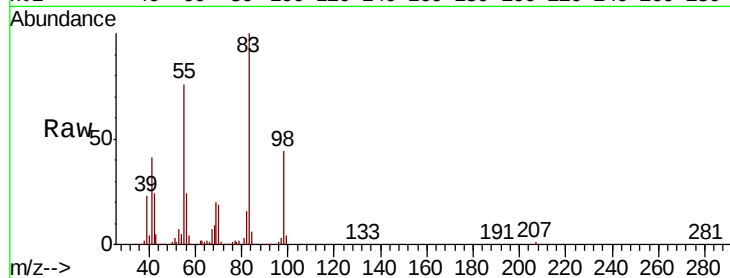
#39
Methvlcvclohexane
Concen: 49.792 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	63.9	95.9
98	44.3	35.6	53.4

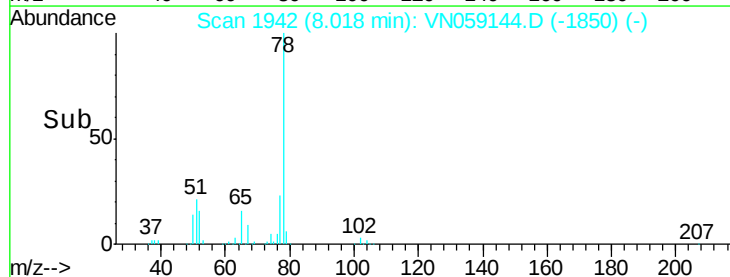
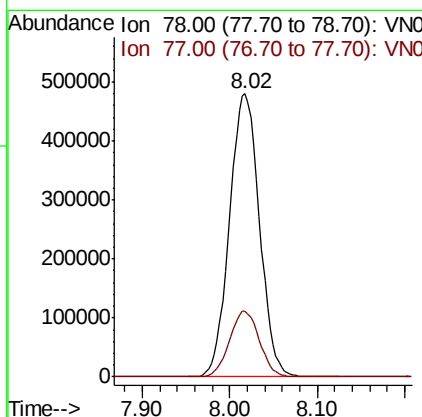
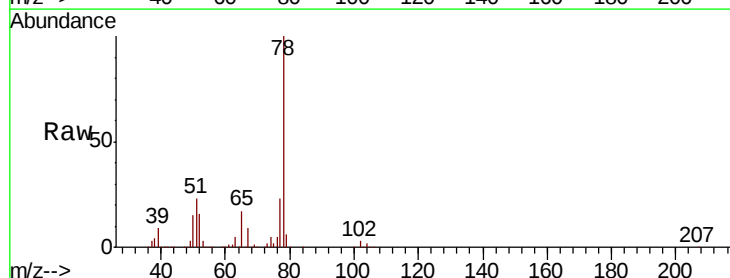
Manual Integrations
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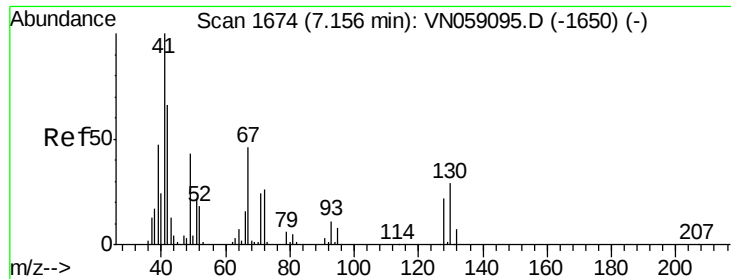
MMDadoda
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#40
Benzene
Concen: 46.971 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





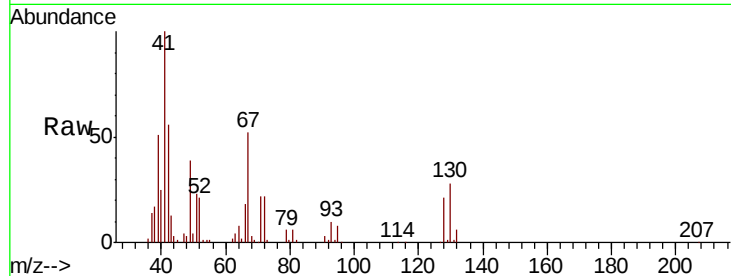
#41
Methacrylonitrile
Concen: 46.770 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

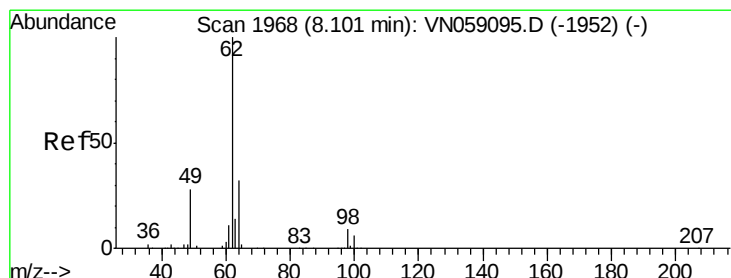
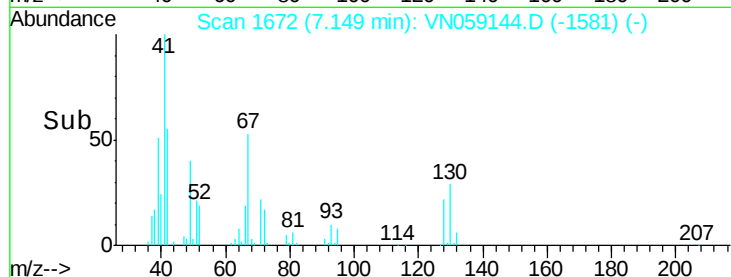
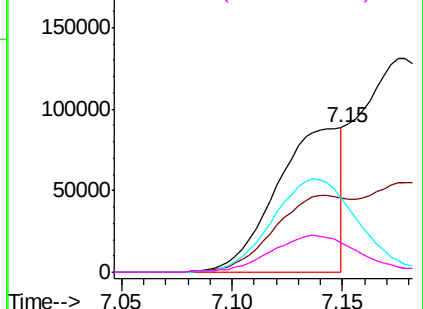
Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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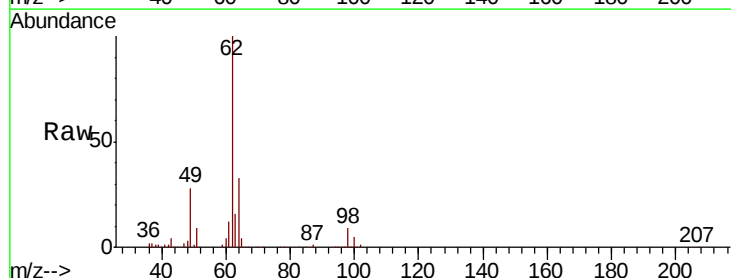


Abundance Ion 41.00 (40.70 to 41.70): VN059144.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN059144.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN059144.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN059144.D (-1650) (-)

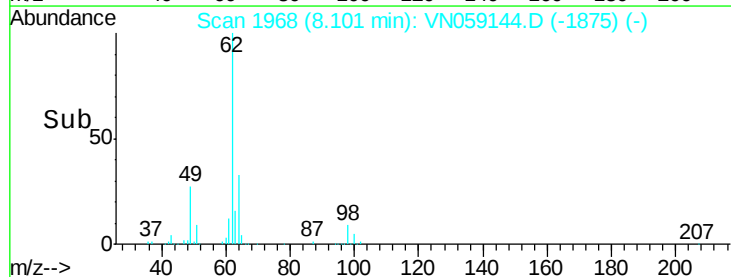
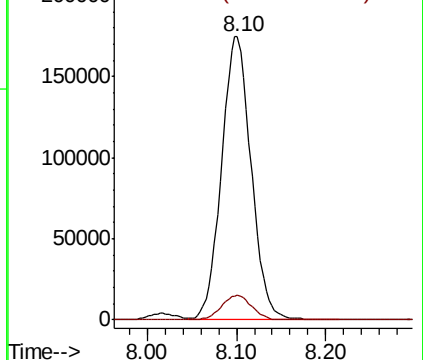


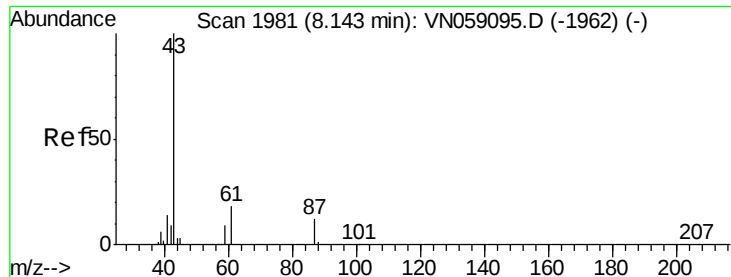
#42
1,2-Dichloroethane
Concen: 47.986 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059144.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN059144.D (-1875) (-)





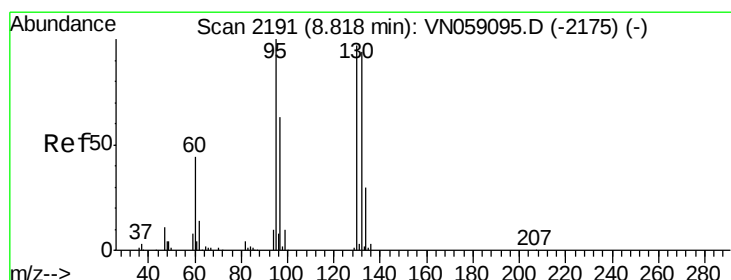
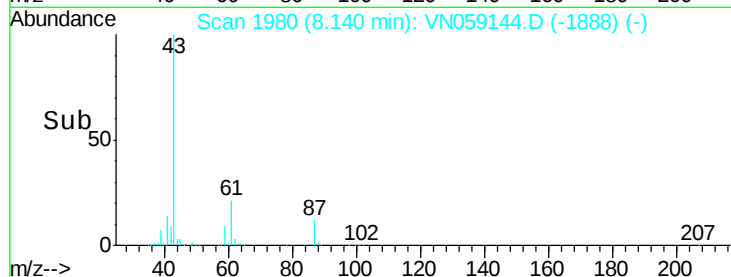
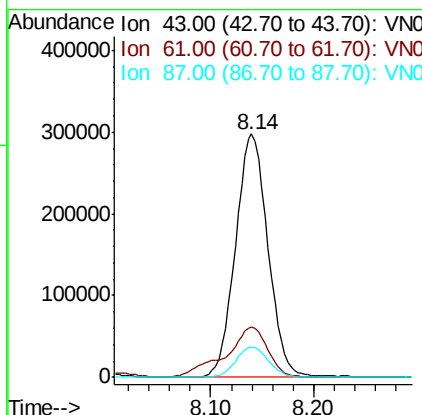
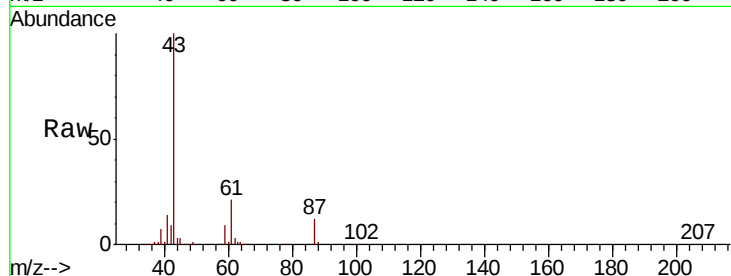
#43
Isopropyl Acetate
Concen: 45.390 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.7	9.8	14.6

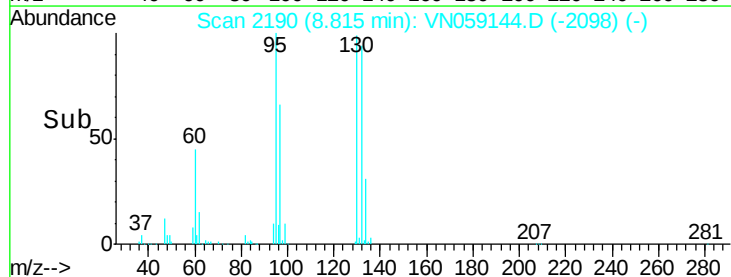
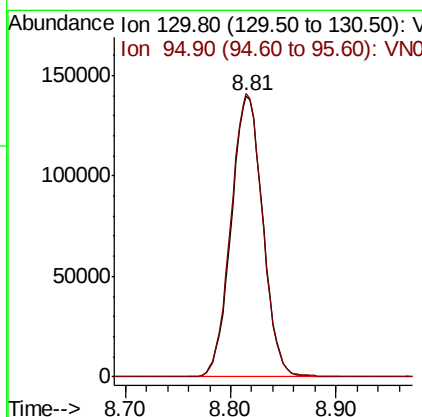
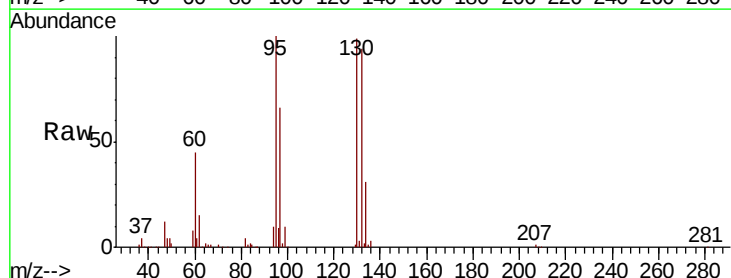
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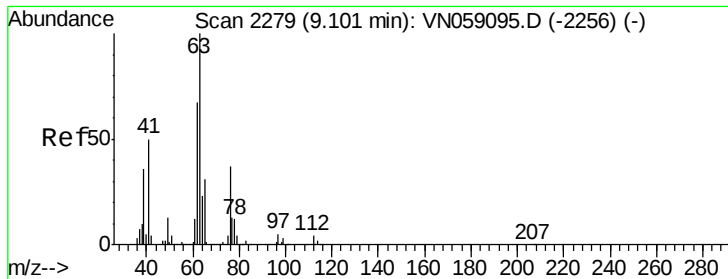
MMDadoda
11/12/2019 11:20:05 AM



#44
Trichloroethene
Concen: 48.467 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	206.4





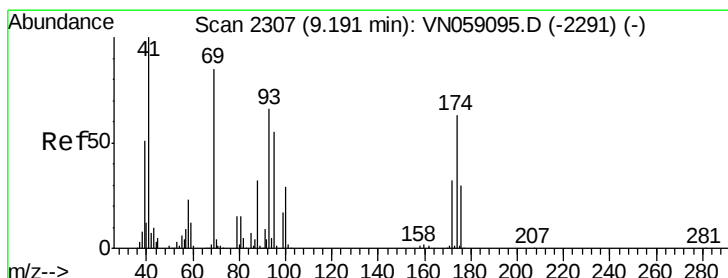
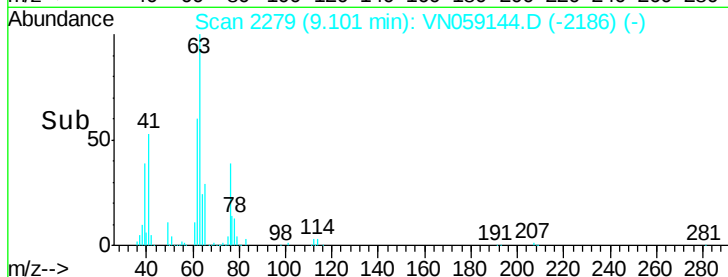
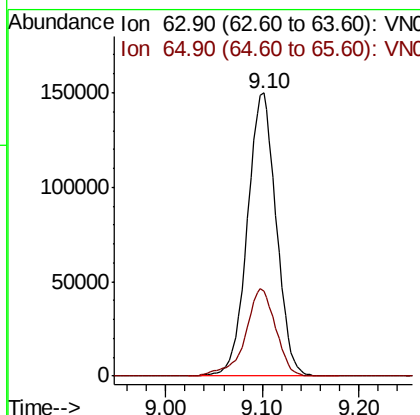
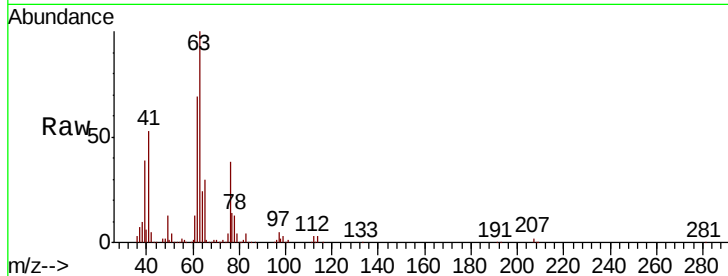
#45
 1,2-Dichloropropane
 Concen: 46.967 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	37.0

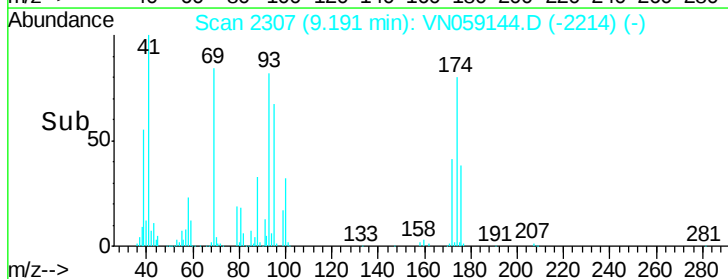
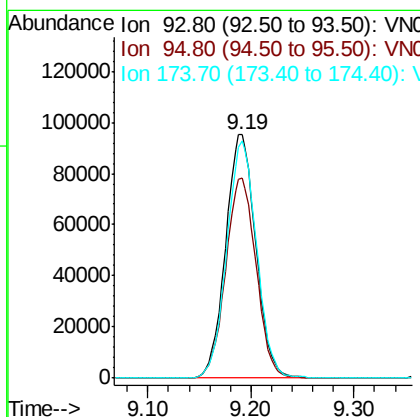
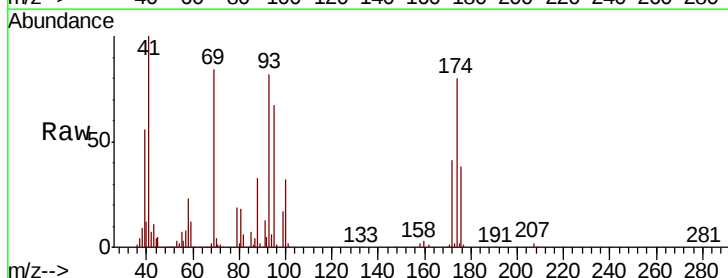
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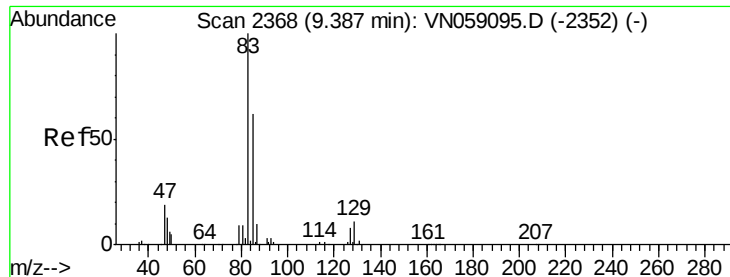
MMDadoda
 11/12/2019 11:20:05 AM



#46
 Dibromomethane
 Concen: 47.303 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.6	100.0
174	96.0	78.2	117.2





#47

Bromodichloromethane

Concen: 48.663 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

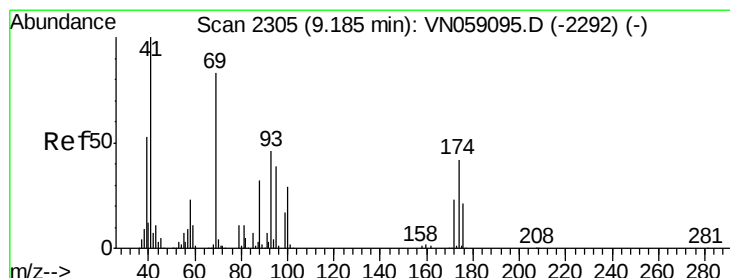
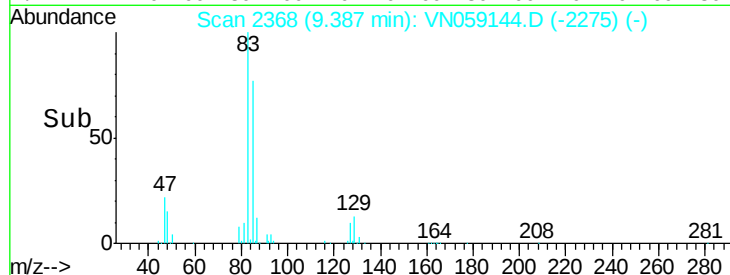
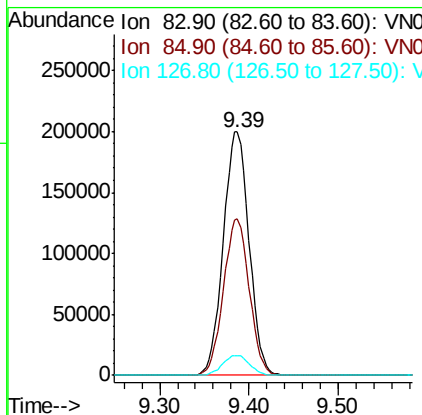
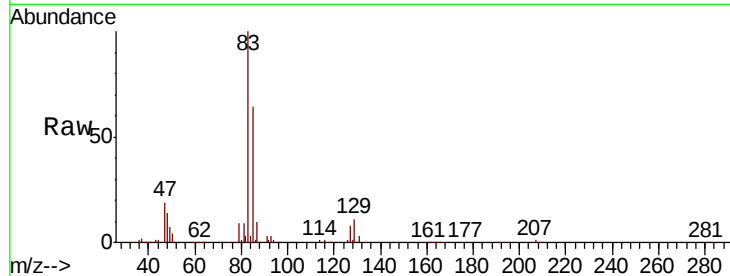
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	399378
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.7	74.5
127	8.3	6.4	9.6

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#48

Methyl methacrylate

Concen: 46.309 ug/l

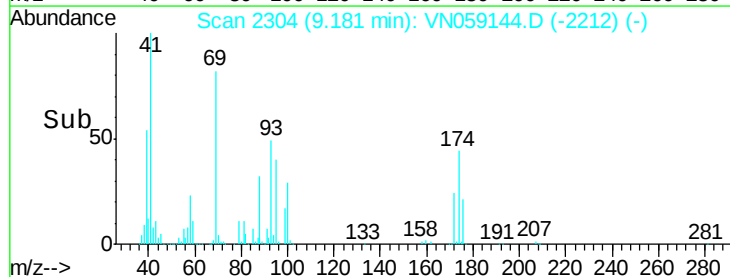
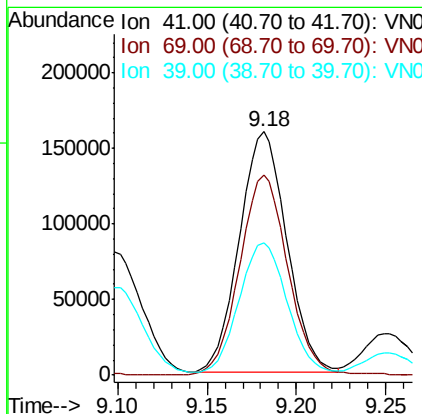
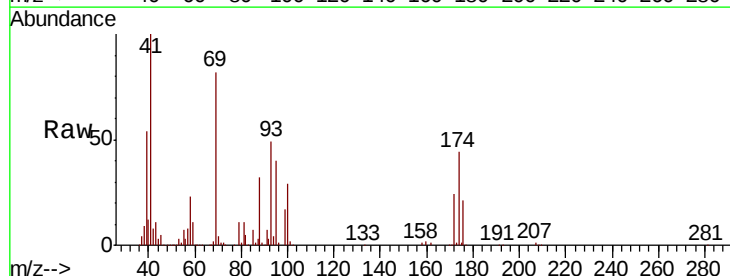
RT: 9.18 min Scan# 2304

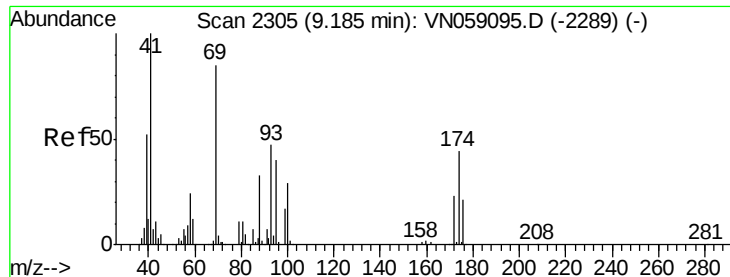
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	41	Resp:	296241
Ion Ratio	Lower	Upper	
41	100		
69	84.9	67.3	100.9
39	56.3	43.3	64.9





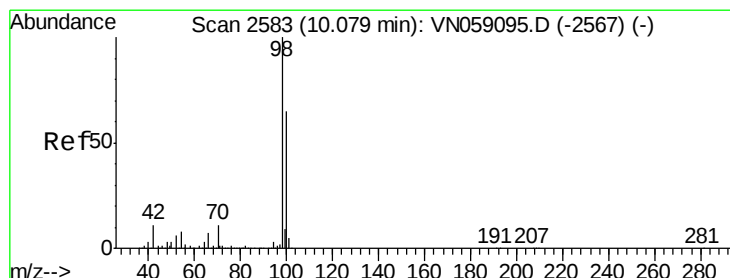
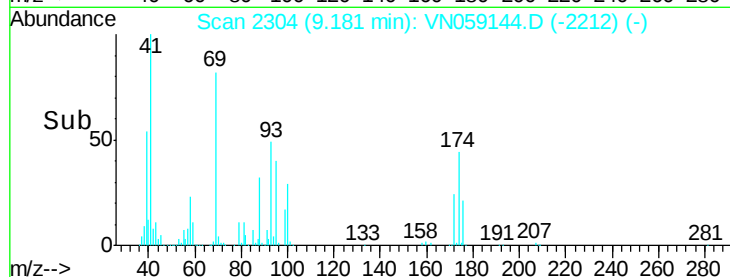
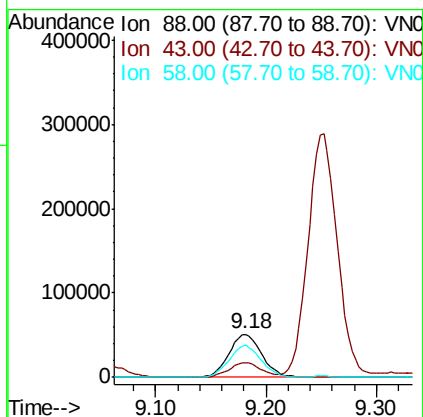
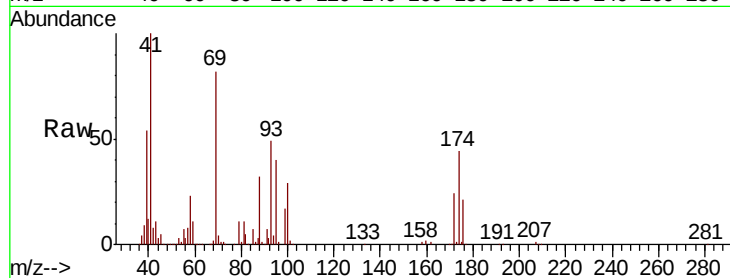
#49
1,4-Dioxane
Concen: 927.884 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.3	39.5
58	72.5	60.6	90.8

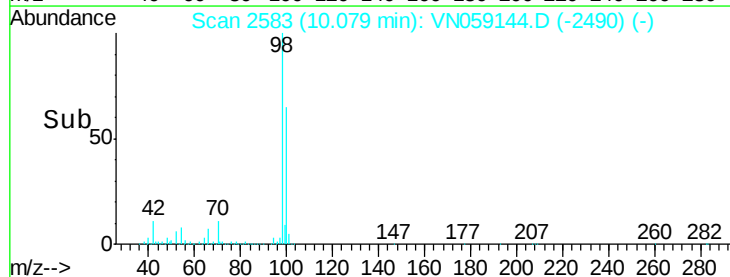
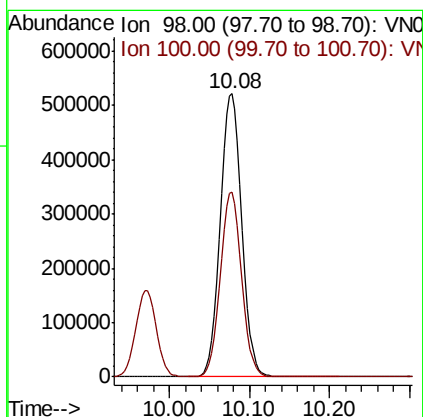
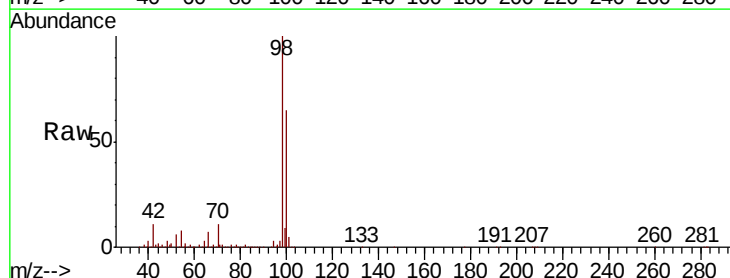
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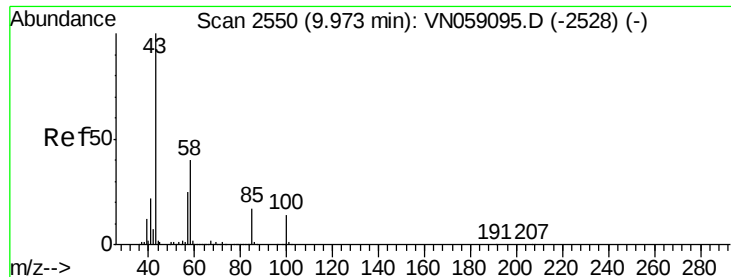
MMDadoda
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#50
Toluene-d8
Concen: 47.708 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





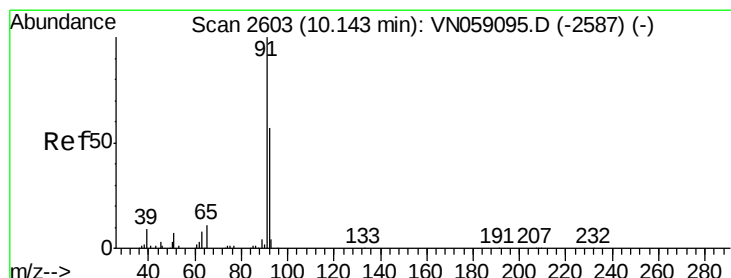
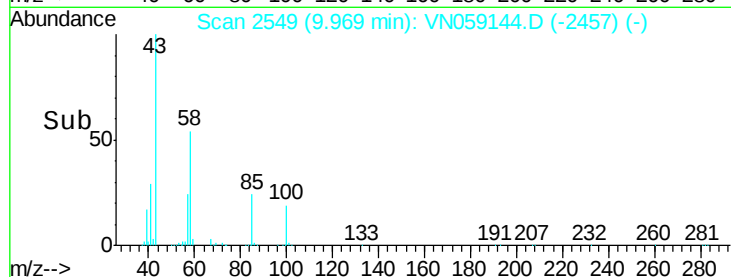
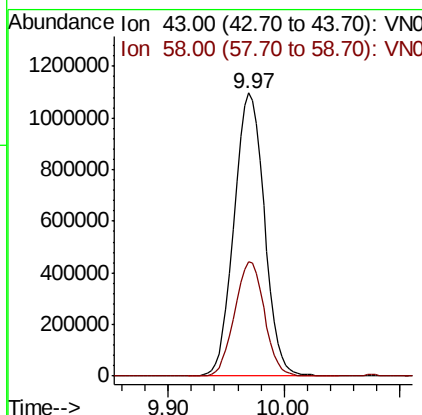
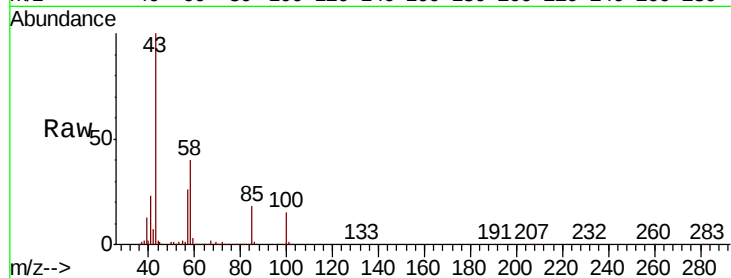
#51
4-Methyl-2-Pentanone
Concen: 245.256 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1984650
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

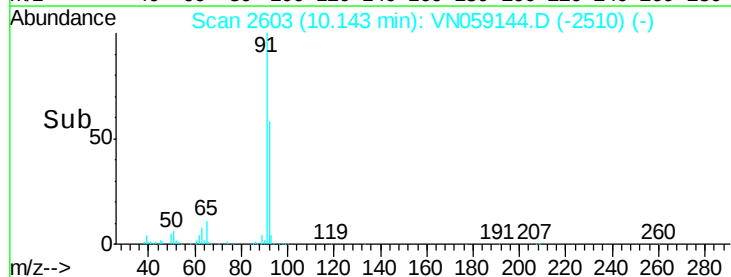
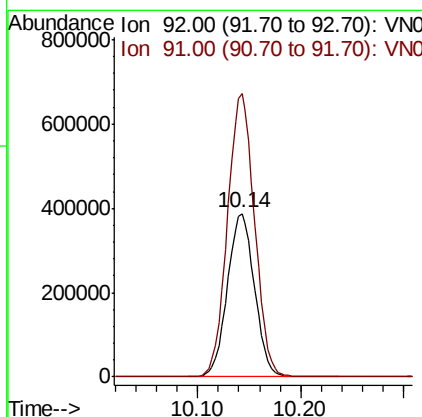
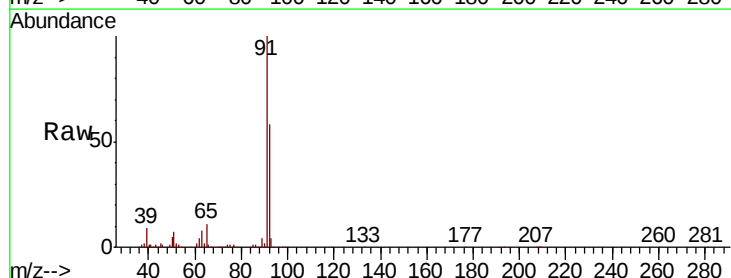
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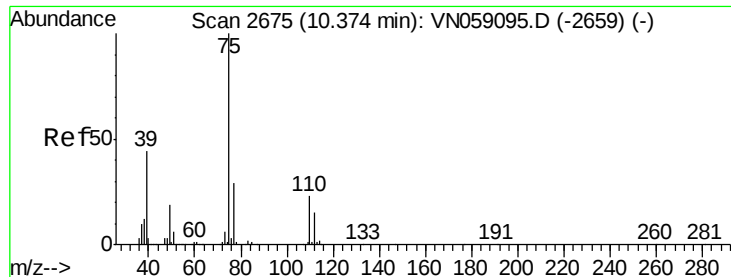
MMDadoda
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#52
Toluene
Concen: 48.683 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 92 Resp: 708543
Ion Ratio Lower Upper
92 100
91 173.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.982 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 473923

Ion Ratio Lower Upper

75 100

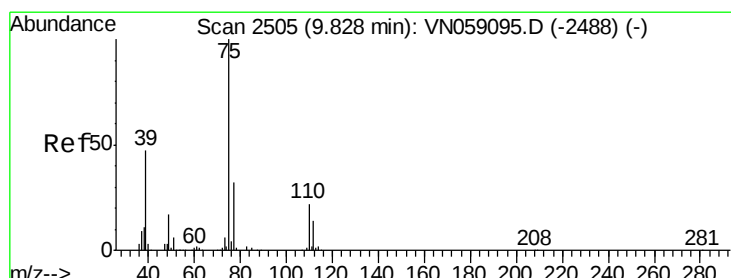
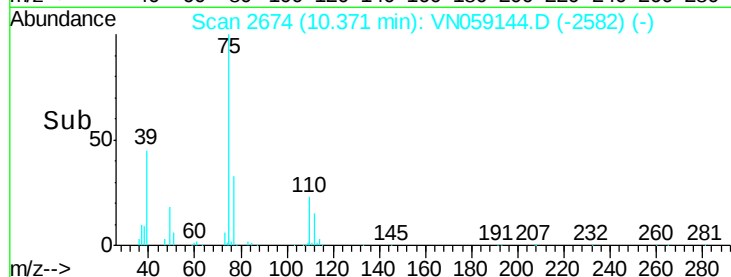
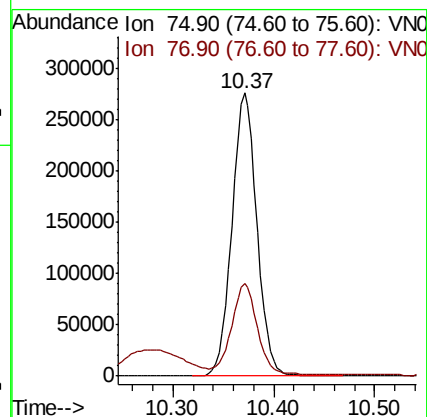
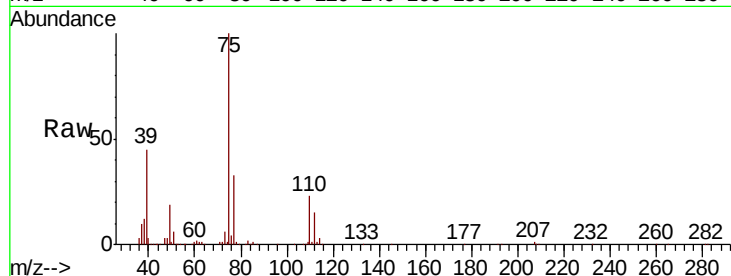
77 32.1 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 49.418 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

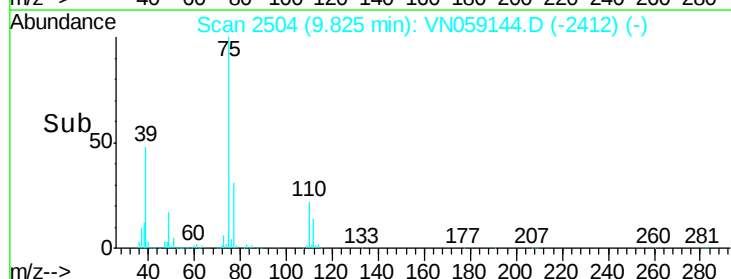
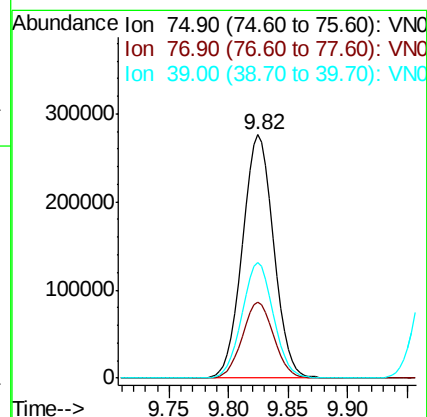
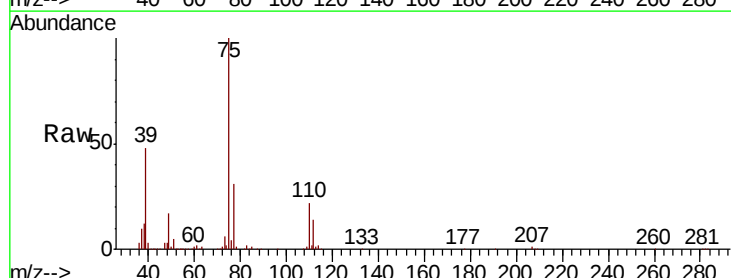
Tgt Ion: 75 Resp: 504041

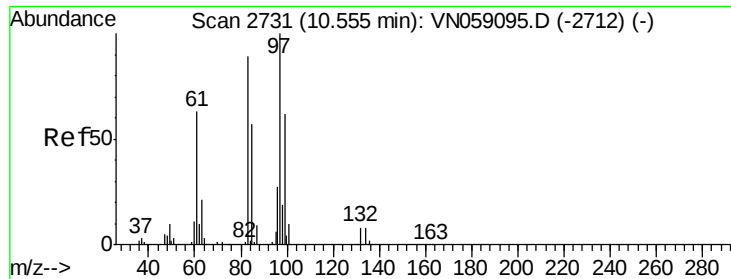
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 47.6 37.3 55.9





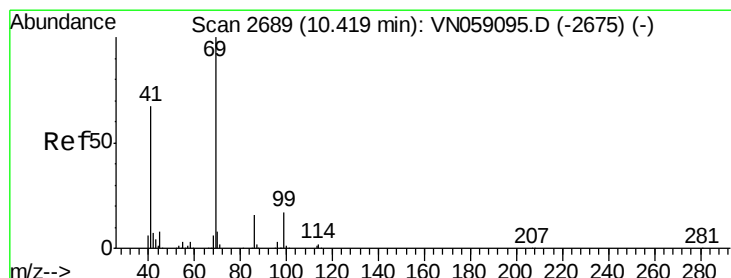
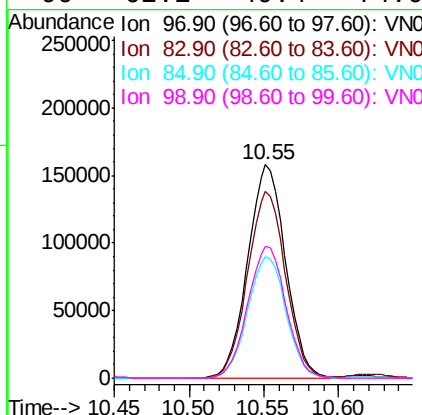
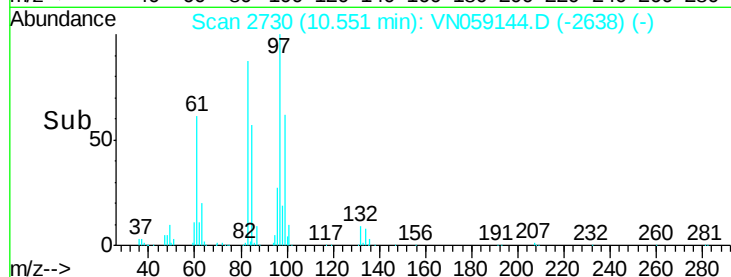
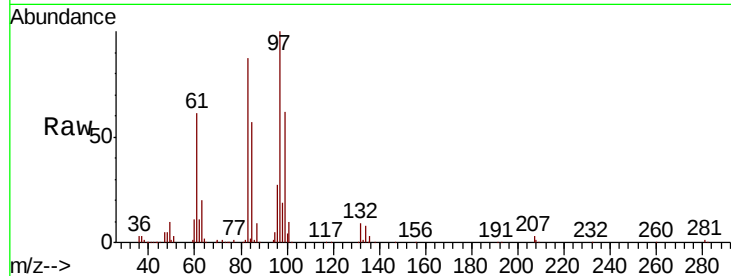
#55
 1,1,2-Trichloroethane
 Concen: 47.072 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.0	106.4
85	57.1	45.8	68.8
99	62.1	49.4	74.0

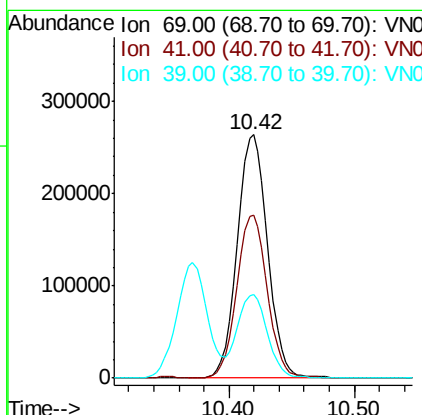
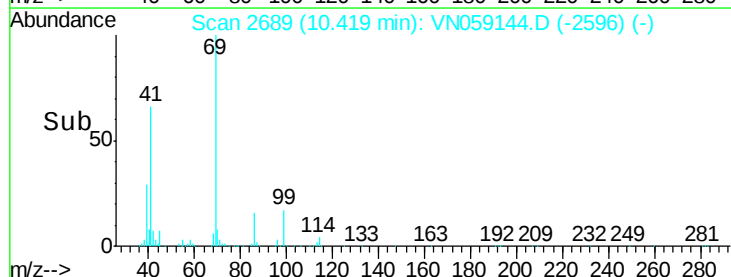
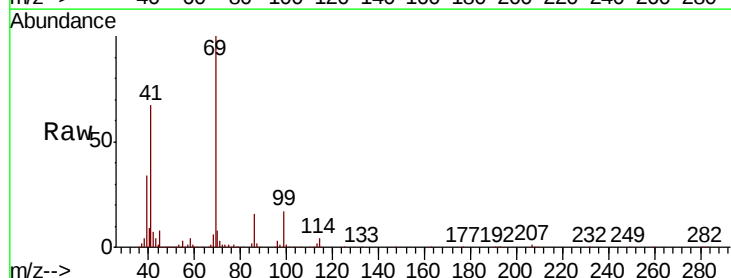
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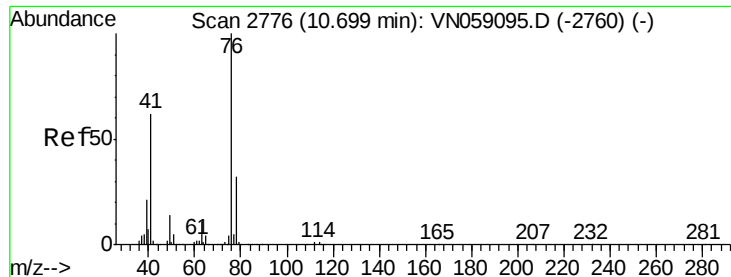
MMDadoda
 11/12/2019 11:20:05 AM



#56
 Ethyl methacrylate
 Concen: 45.344 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.6	80.4
39	33.9	26.2	39.4





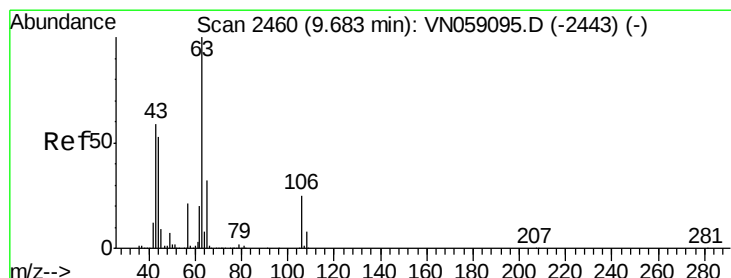
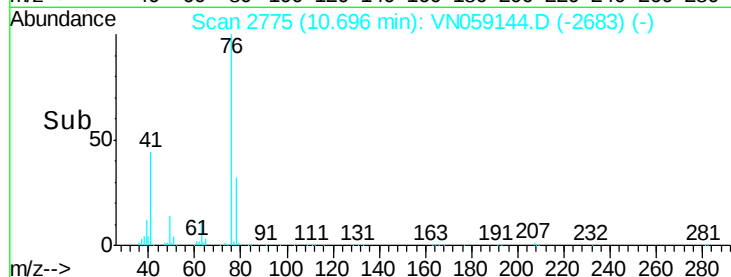
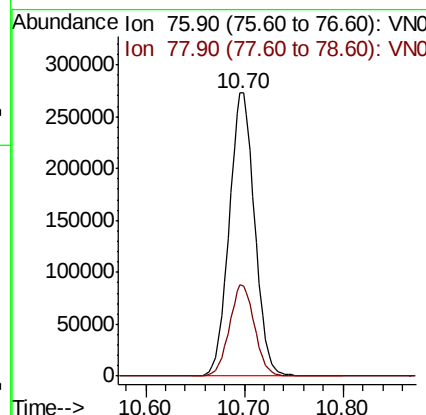
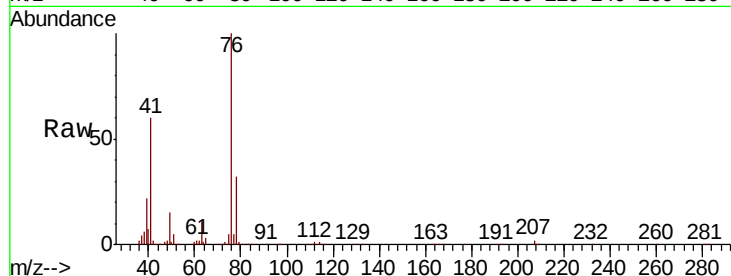
#57
 1,3-Dichloropropane
 Concen: 48.619 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

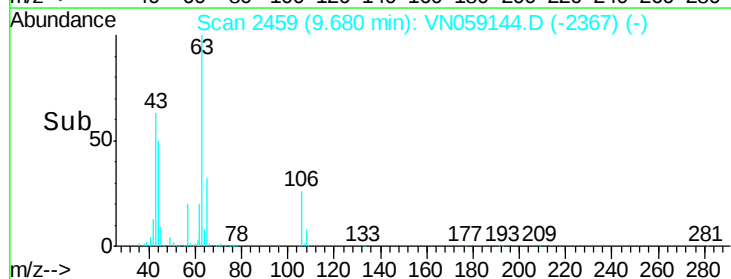
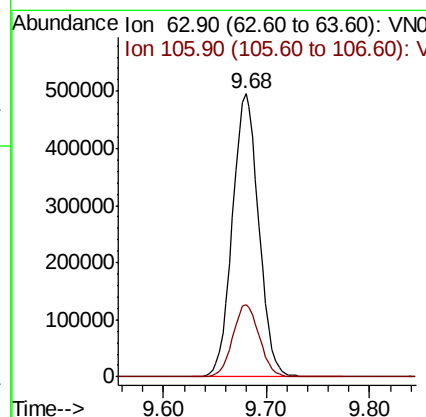
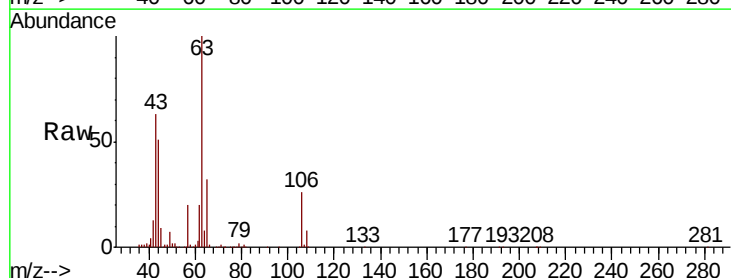
Manual Integrations
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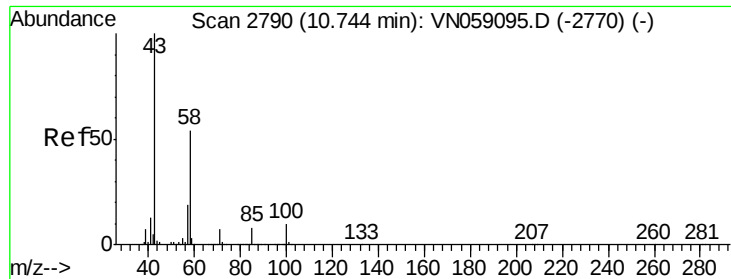
MMDadoda
 11/12/2019 11:20:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.075 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.2	30.2





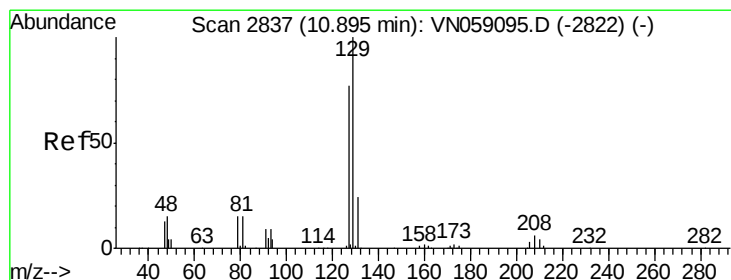
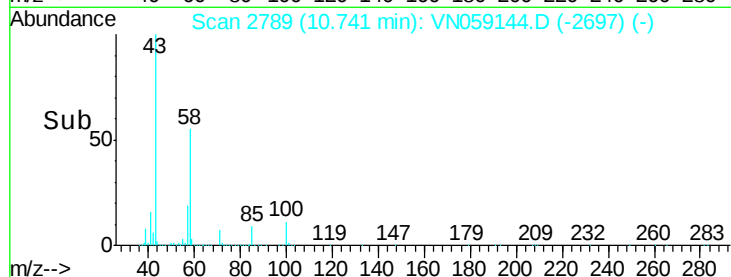
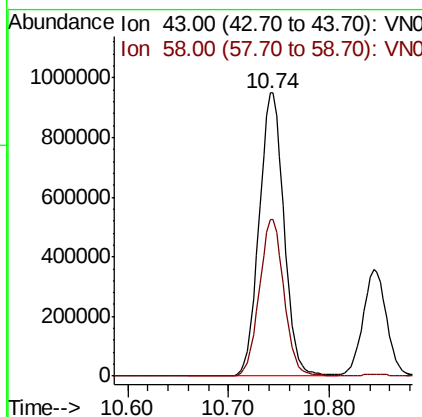
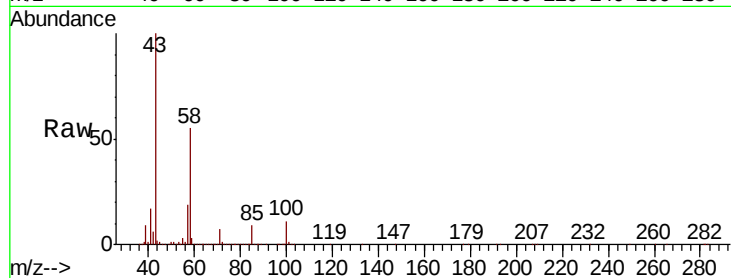
#59
2-Hexanone
Concen: 260.703 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1619253
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

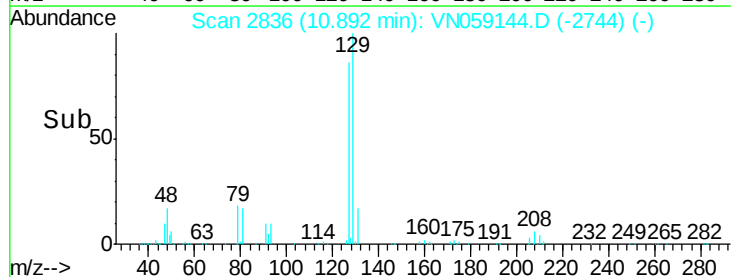
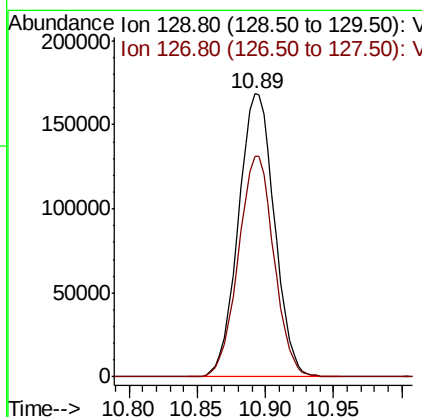
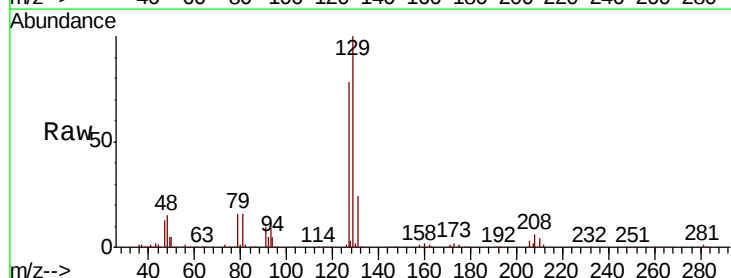
Manual Integrations
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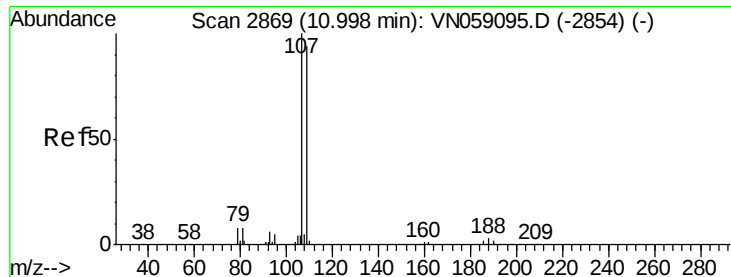
MMDadoda
11/12/2019 11:20:05 AM



#60
Dibromochloromethane
Concen: 49.656 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 129 Resp: 309243
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





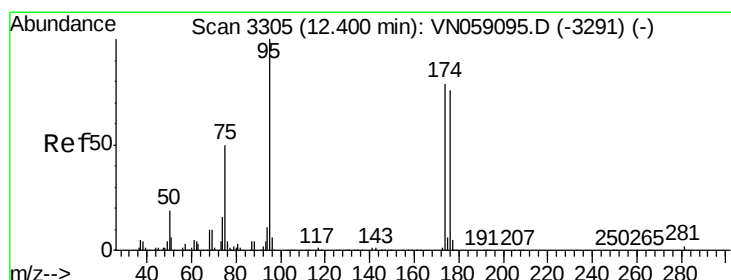
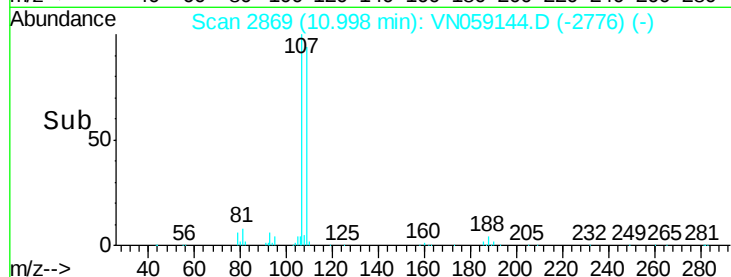
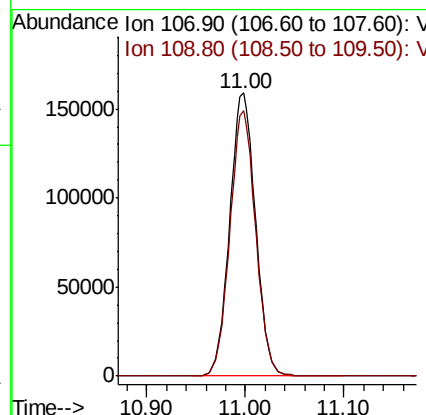
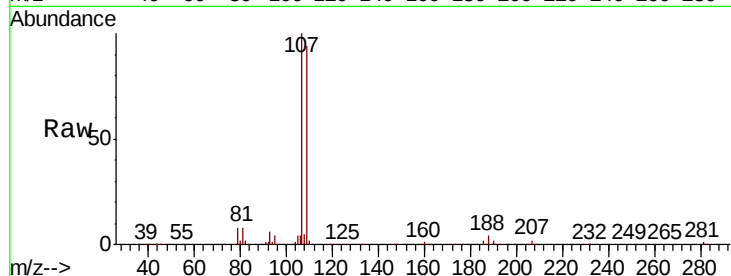
#61
 1,2-Dibromoethane
 Concen: 48.734 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	290590		
109	93.8	75.5	113.3	

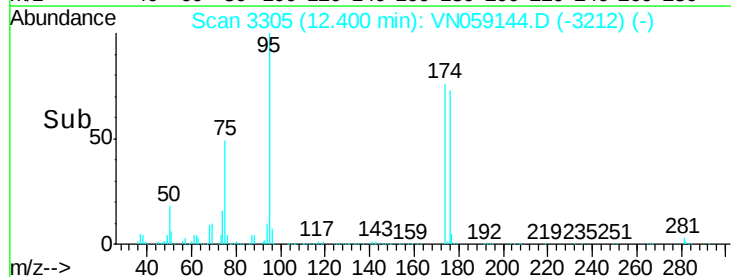
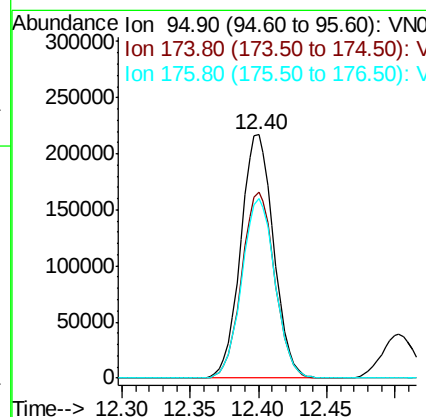
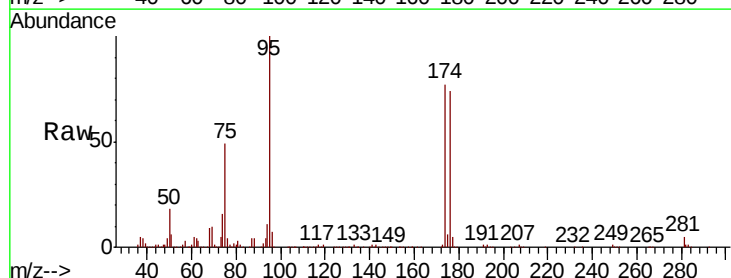
Manual Integrations
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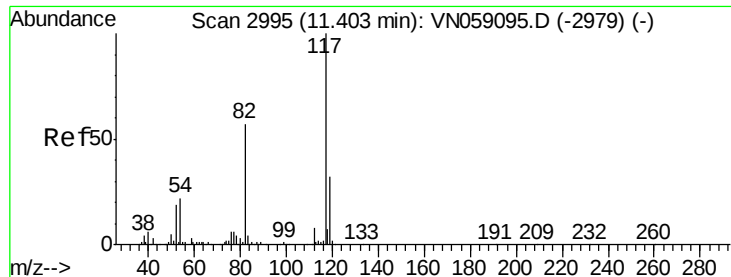
MMDadoda
 11/12/2019 11:20:05 AM



#62
 4-Bromofluorobenzene
 Concen: 49.747 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	363941		
174	76.5	0.0	158.2	
176	74.4	0.0	151.8	





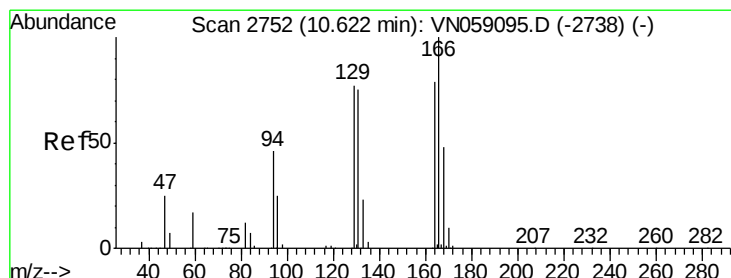
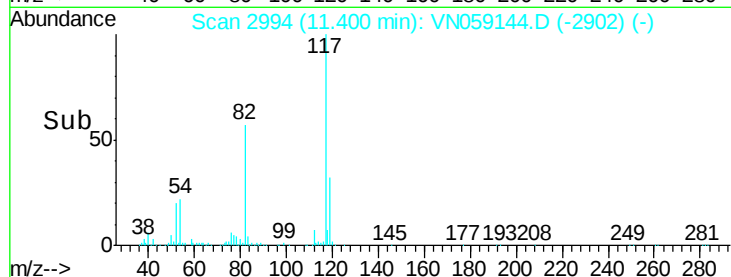
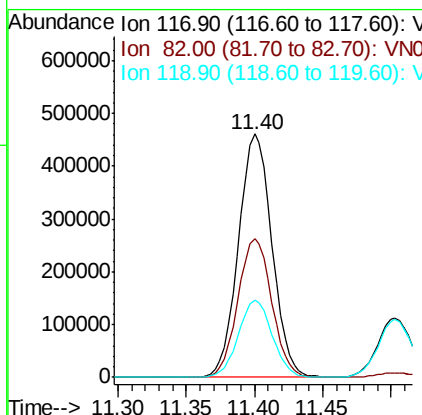
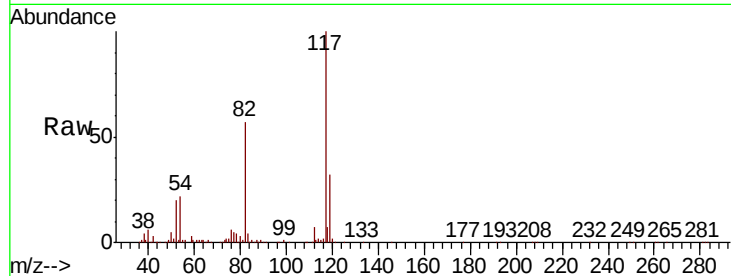
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	789002		
82	57.0		45.8	68.8
119	31.7		25.8	38.6

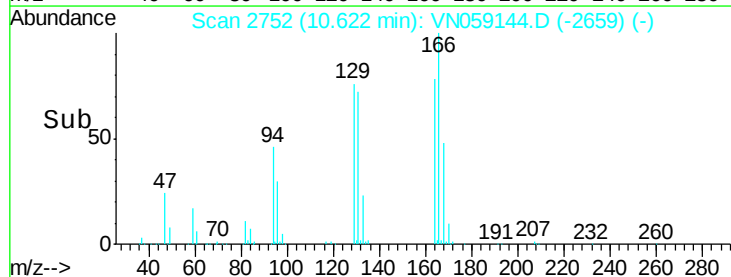
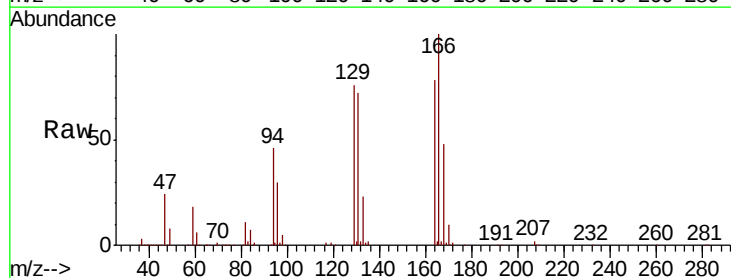
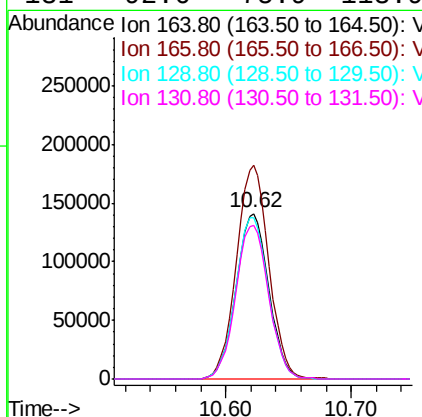
Manual Integrations
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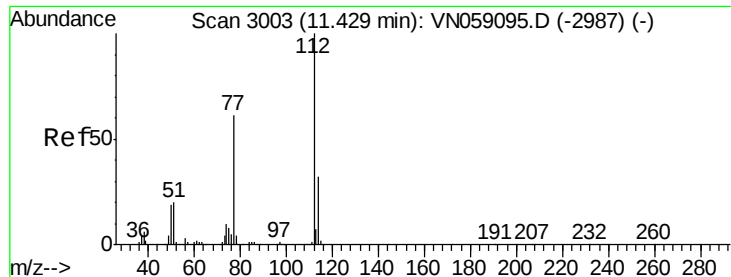
MMDadoda
11/12/2019 11:20:05 AM



#64
Tetrachloroethene
Concen: 47.585 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	255298		
166	129.0		101.5	152.3
129	97.5		78.3	117.5
131	92.6		75.9	113.9





#65

Chlorobenzene

Concen: 49.514 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 761558

Ion Ratio Lower Upper

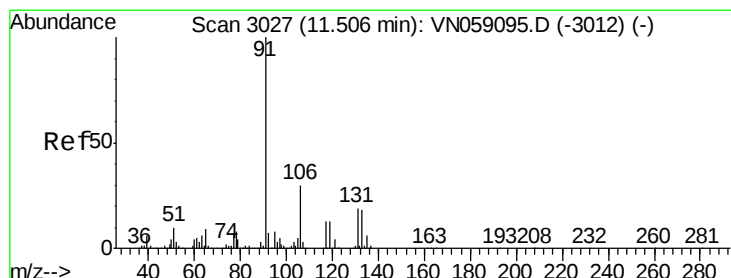
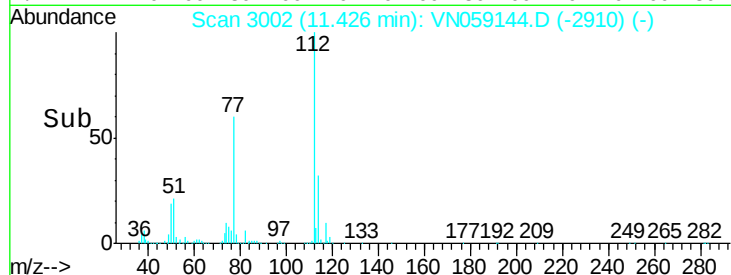
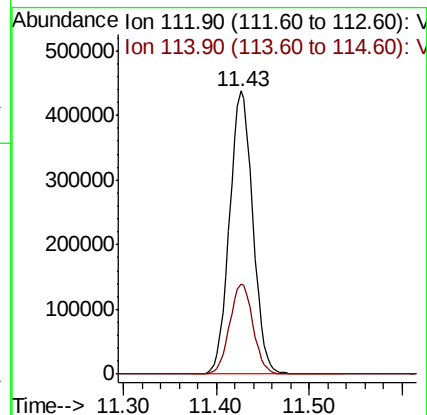
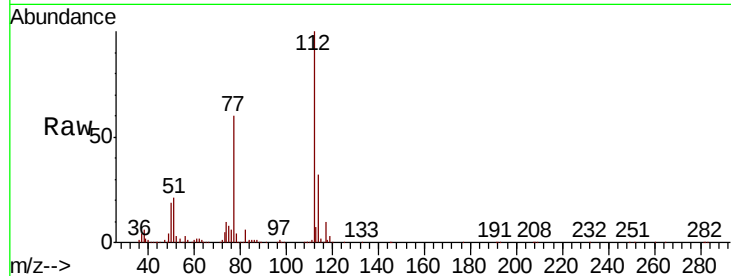
112 100

114 31.8 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.148 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

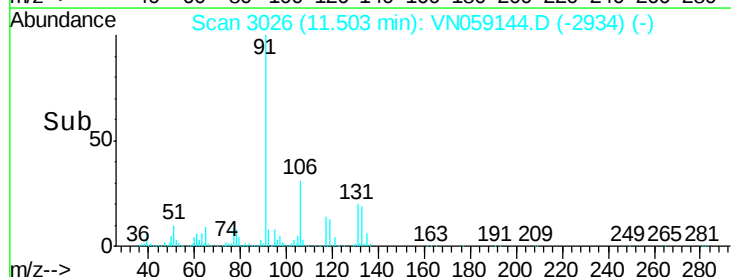
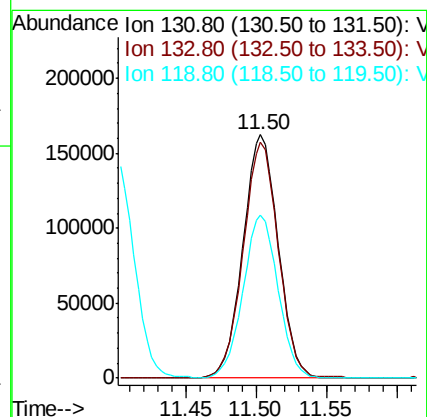
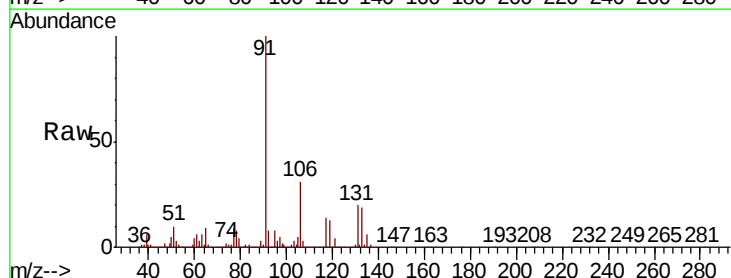
Tgt Ion:131 Resp: 283566

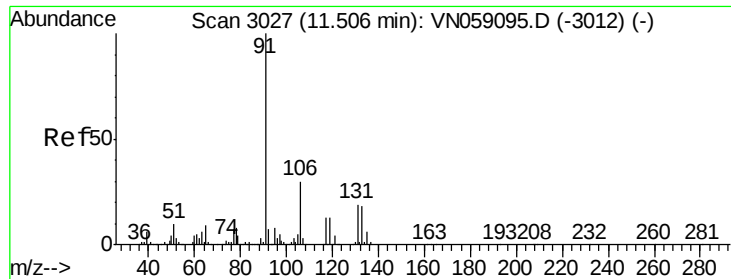
Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.3

119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.842 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1387415

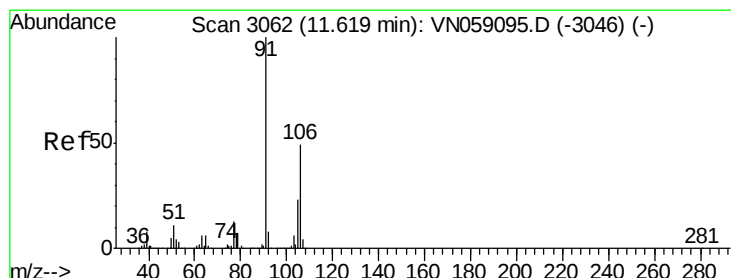
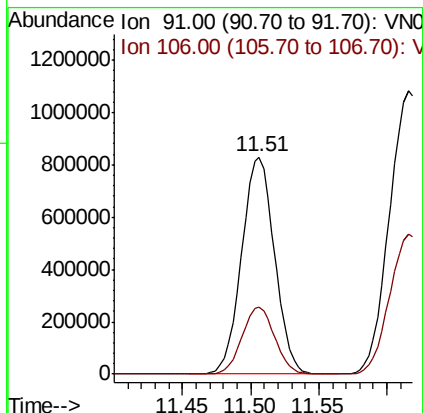
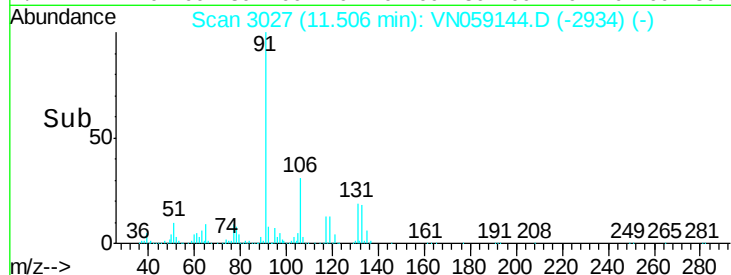
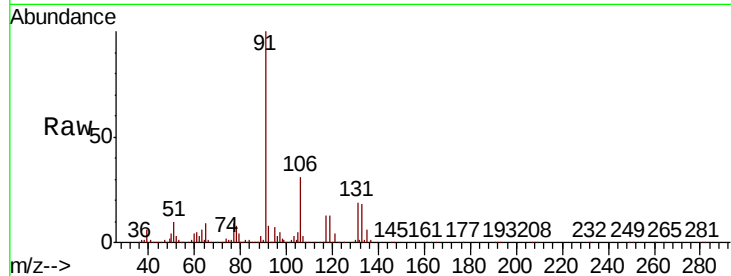
Ion Ratio Lower Upper

91 100

106 30.9 24.1 36.1

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#68

m/p-Xylenes

Concen: 101.781 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059144.D

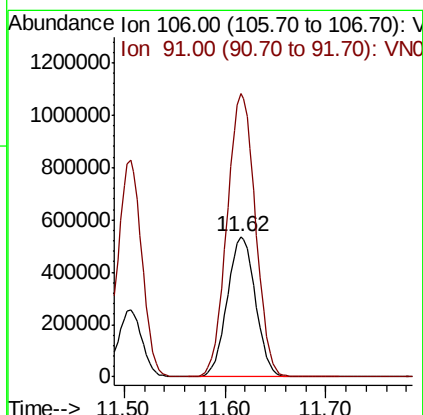
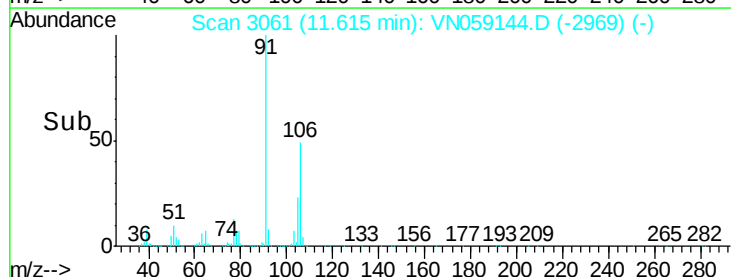
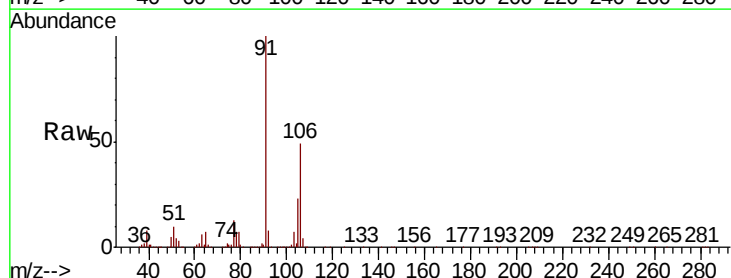
Acq: 11 Nov 2019 8:50

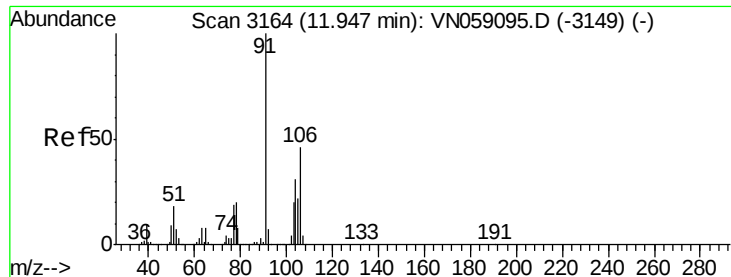
Tgt Ion: 106 Resp: 1040416

Ion Ratio Lower Upper

106 100

91 204.0 164.7 247.1





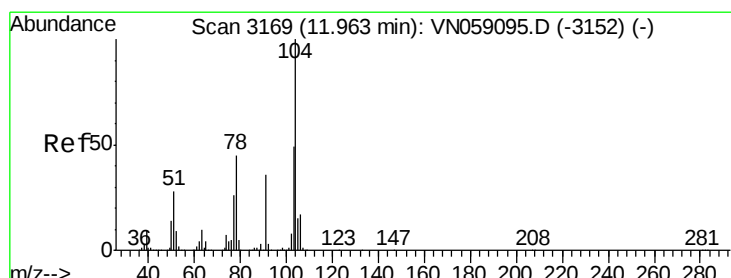
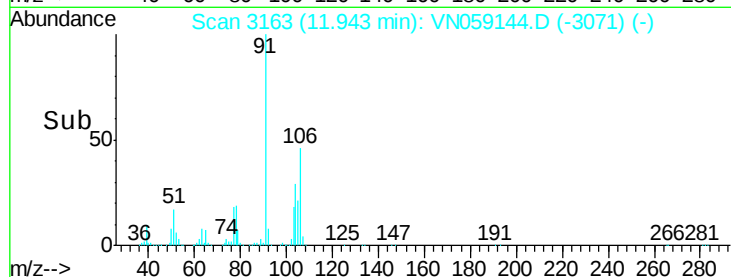
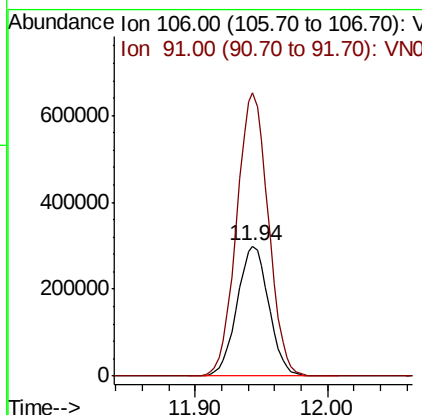
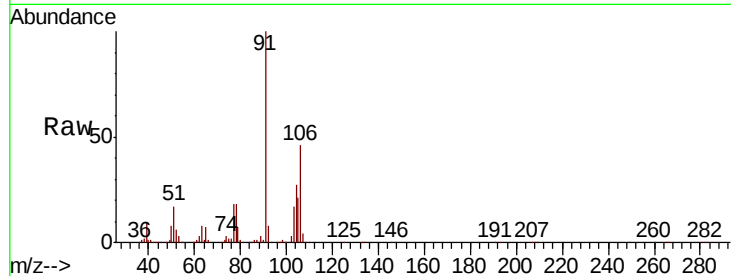
#69
o-Xylene
Concen: 50.309 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
496984	106	100		
	91	217.4	110.1	330.3

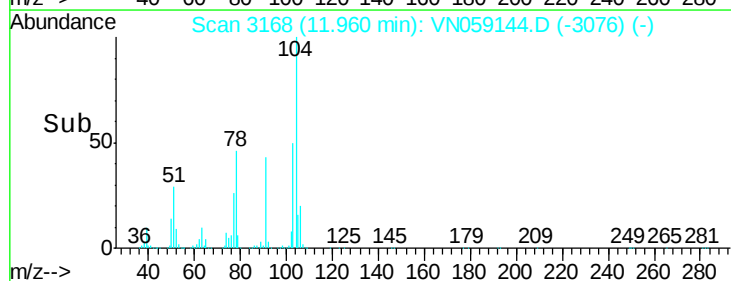
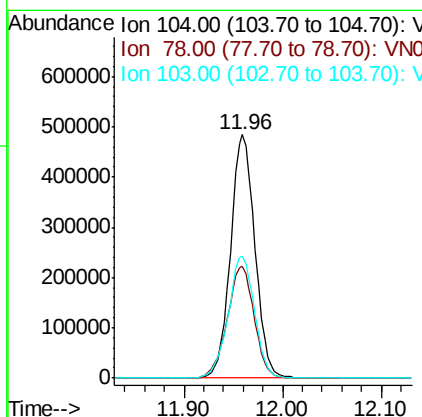
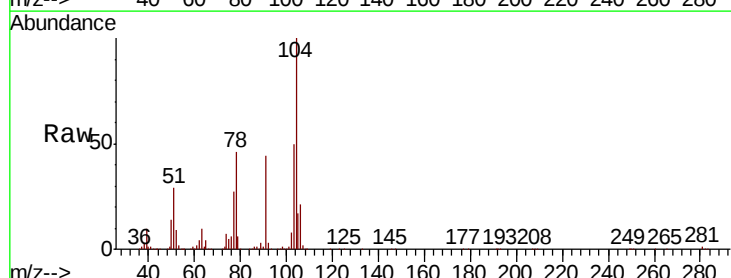
Manual Integrations
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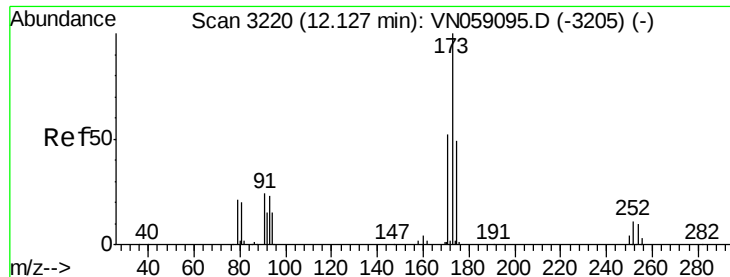
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#70
Styrene
Concen: 53.732 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ion	Ratio	Lower	Upper
834800	104	100		
	78	50.8	41.2	61.8
	103	54.4	43.8	65.6





#71

Bromoform

Concen: 49.303 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

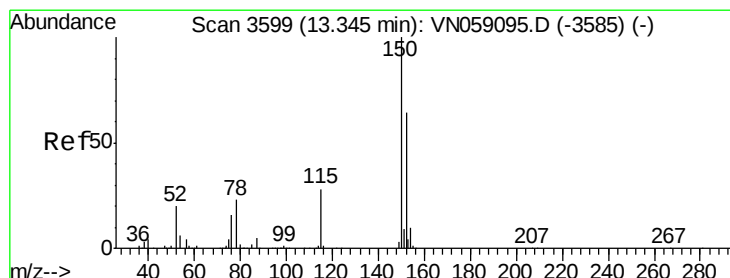
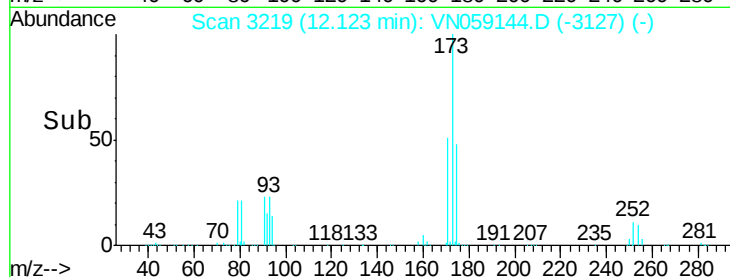
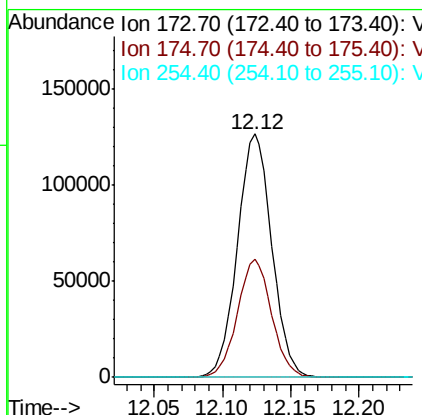
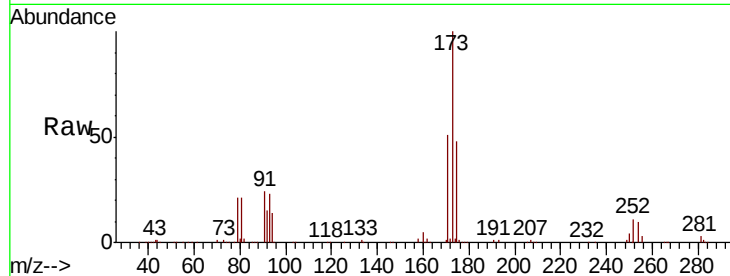
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1#

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11/12/2019 11:20:05 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

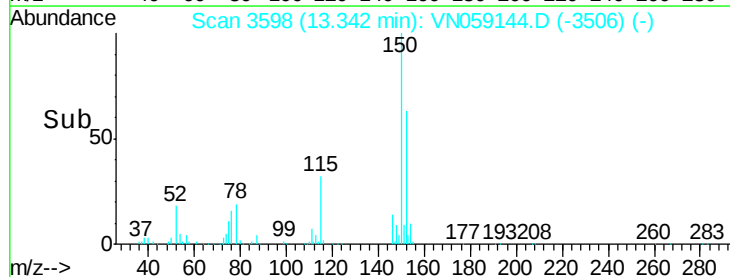
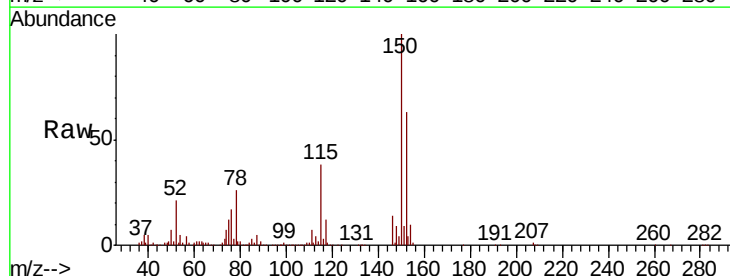
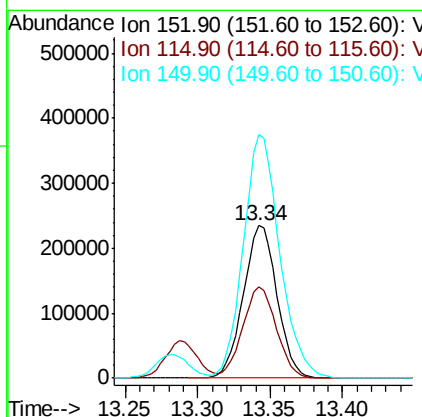
RT: 13.34 min Scan# 3598

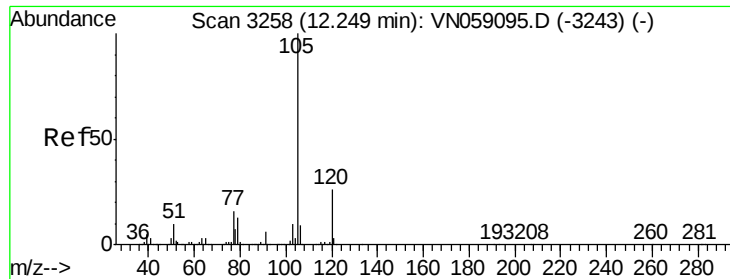
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	173.1	0.0	345.8





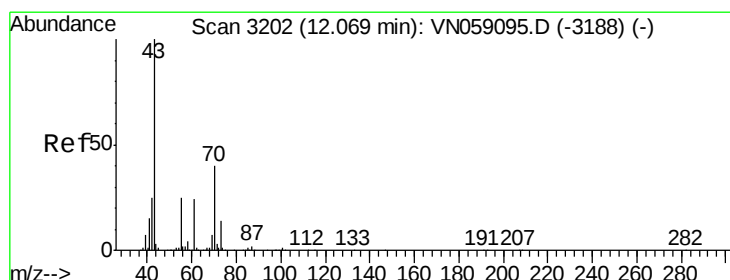
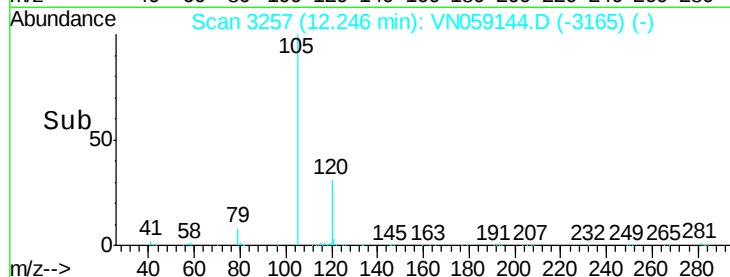
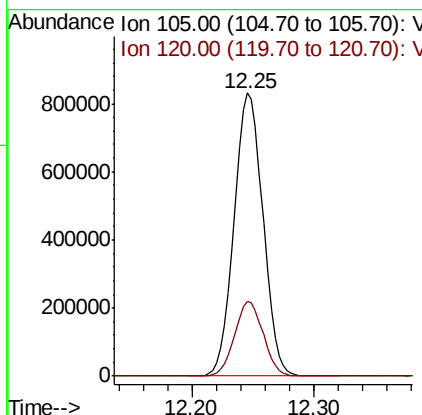
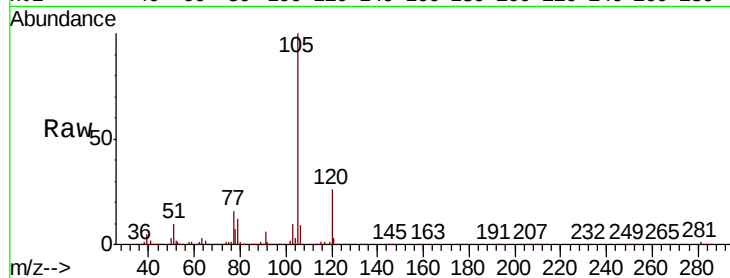
#73
Isopropylbenzene
Concen: 49.469 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1363538
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3

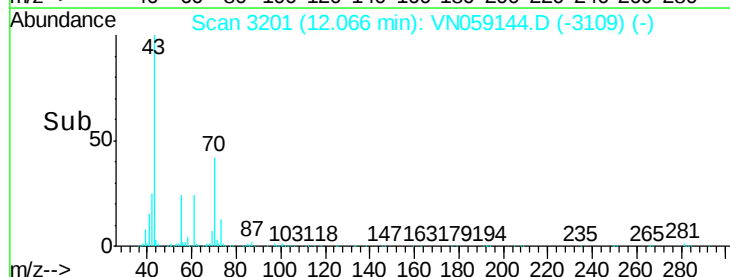
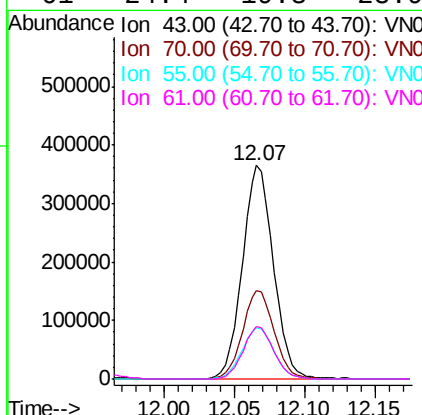
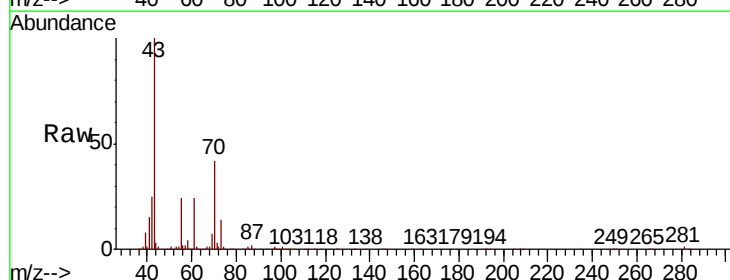
Manual Integrations
APPROVED

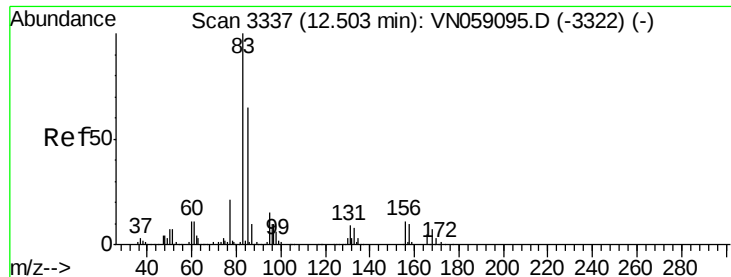
MMDadoda
11/12/2019 11:20:05 AM



#74
N-ethyl acetate
Concen: 48.055 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 43 Resp: 561262
Ion Ratio Lower Upper
43 100
70 42.5 32.2 48.4
55 25.0 20.4 30.6
61 24.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 44.934 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

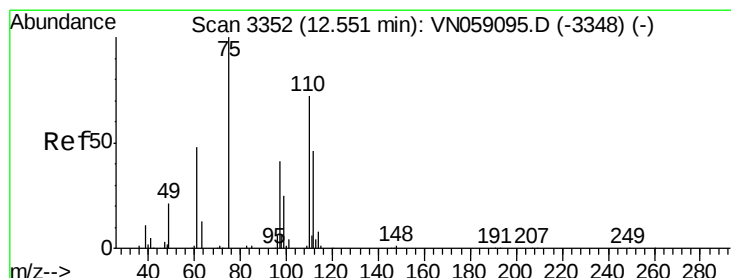
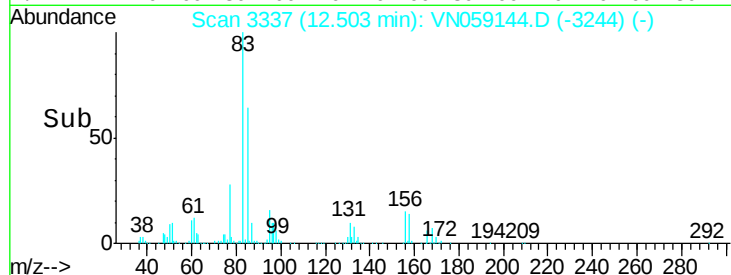
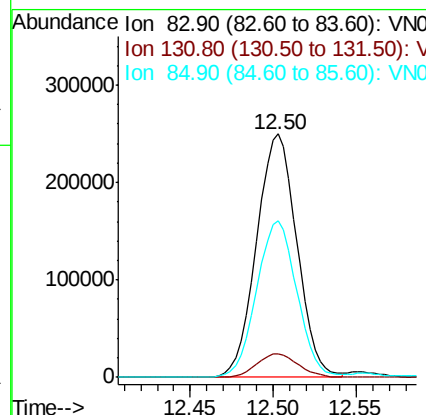
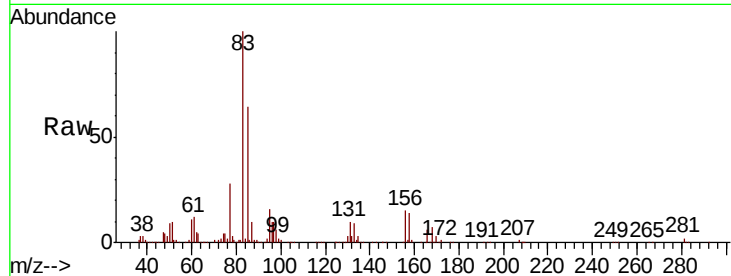
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	421781
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	64.1	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 48.944 ug/l m

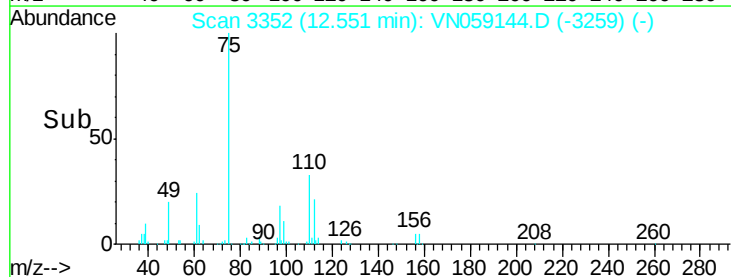
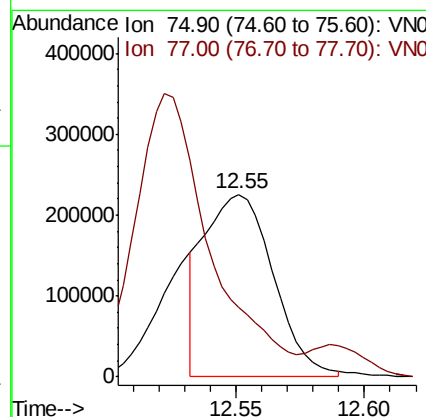
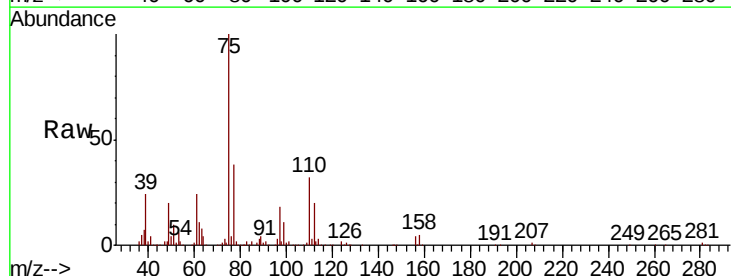
RT: 12.55 min Scan# 3352

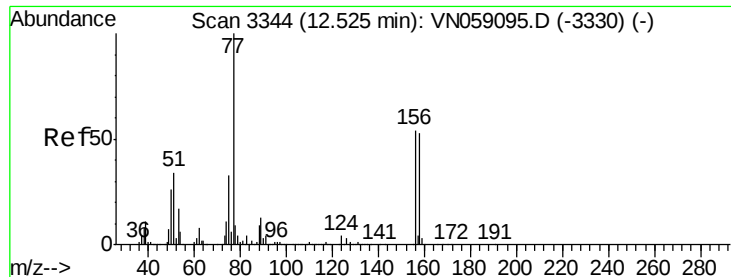
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	75	Resp:	422235
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.063 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

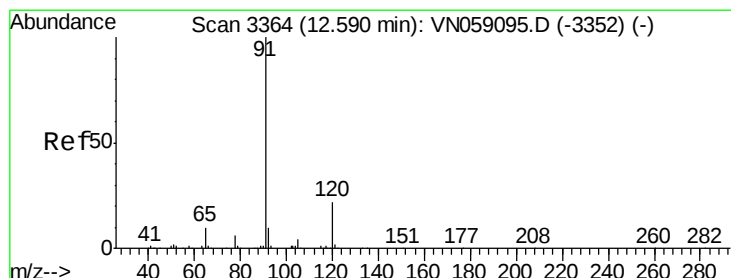
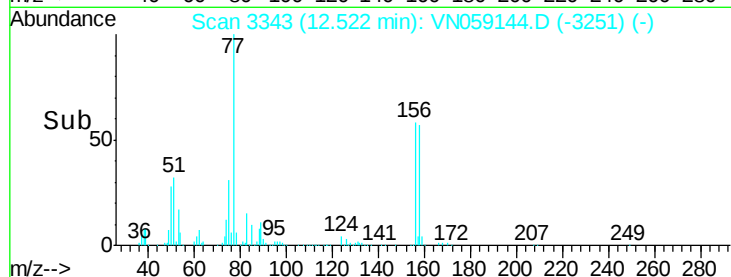
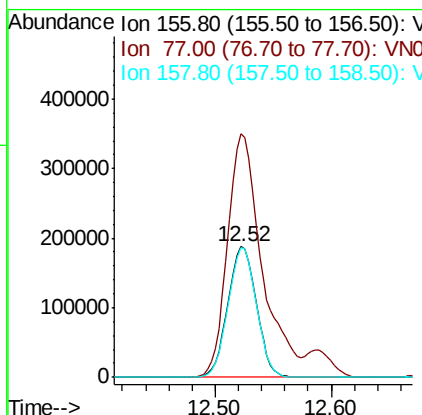
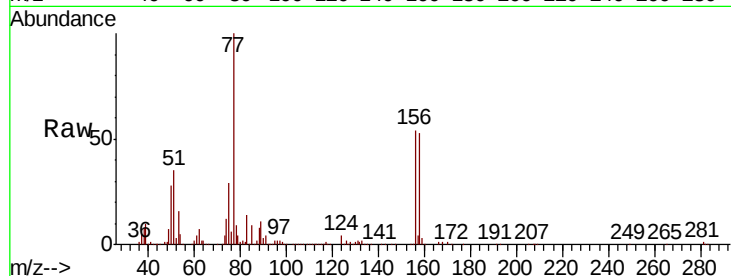
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	224.4	112.8	338.3	
158	98.4	48.4	145.3	

Manual Integrations
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11/12/2019 11:20:05 AM



#78

n-propylbenzene

Concen: 50.795 ug/l

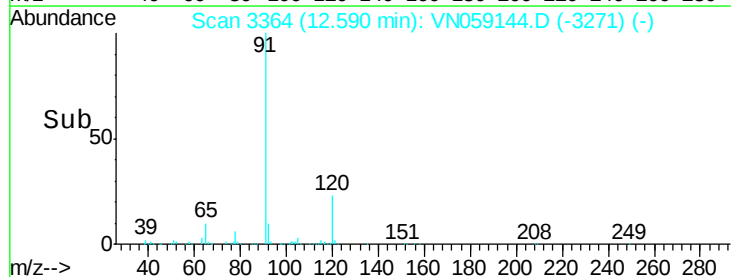
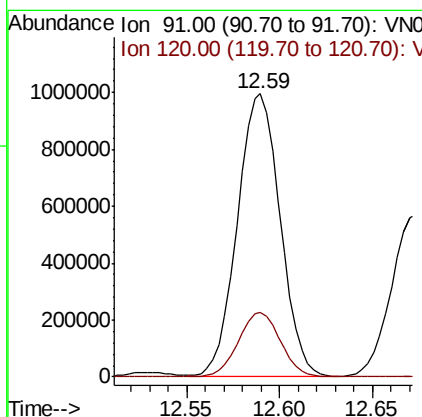
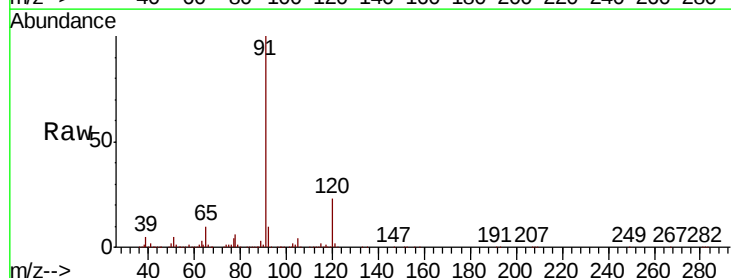
RT: 12.59 min Scan# 3364

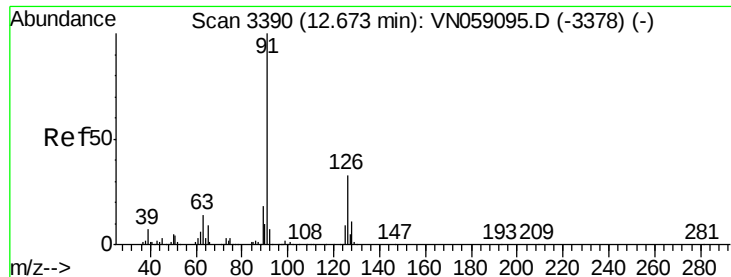
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.2	33.5	





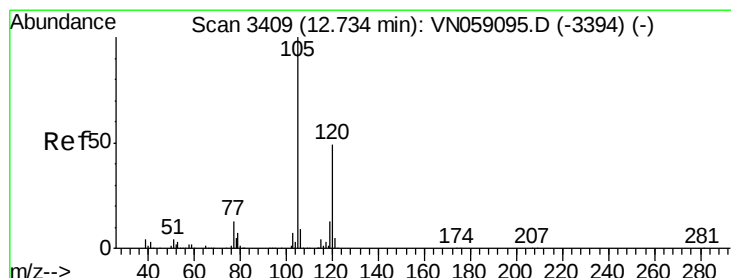
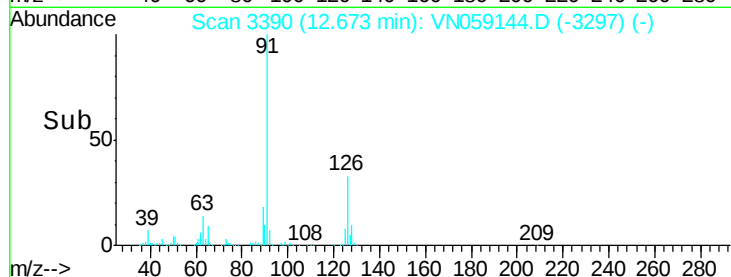
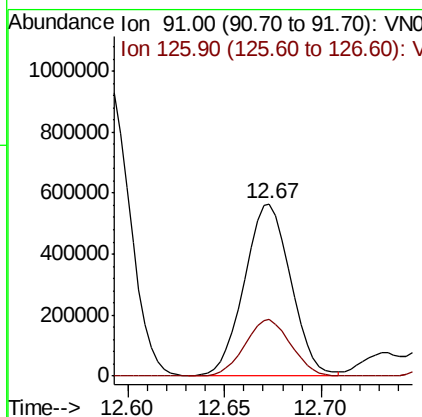
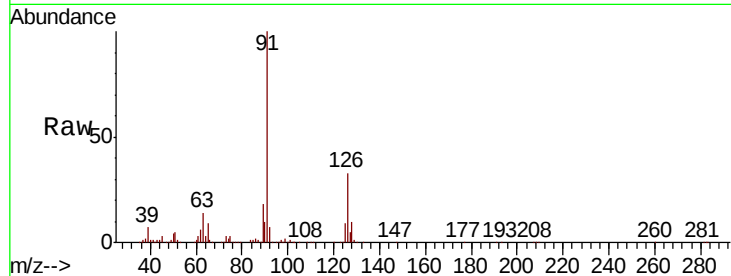
#79
2-Chlorotoluene
Concen: 48.231 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 944271
Ion Ratio Lower Upper
91 100
126 32.5 16.7 50.1

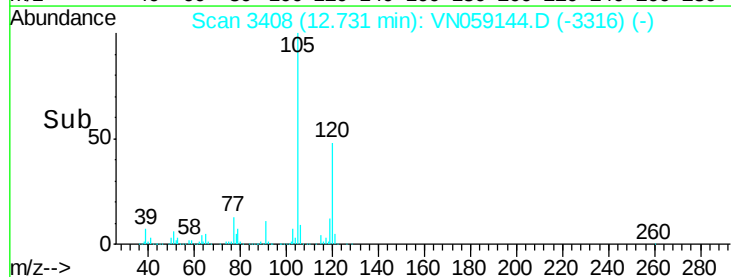
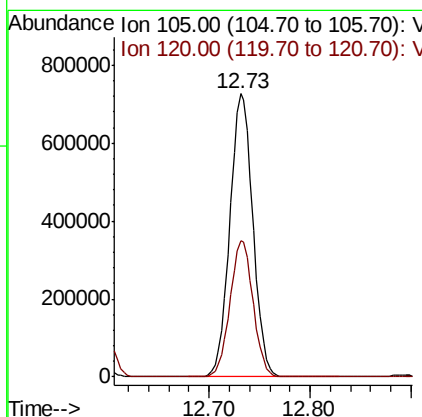
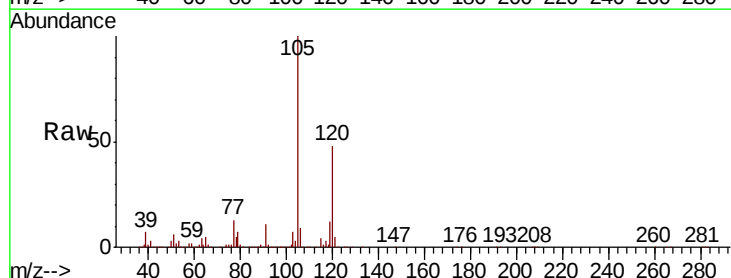
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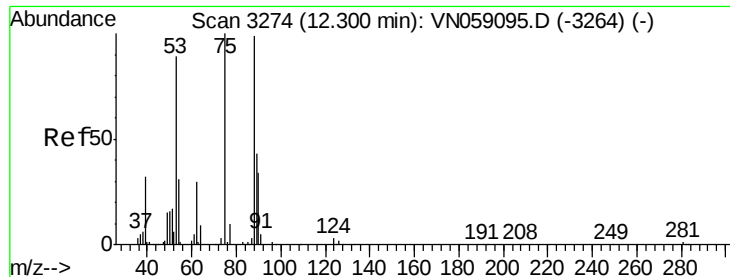
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.449 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 105 Resp: 1154921
Ion Ratio Lower Upper
105 100
120 48.2 24.0 72.0





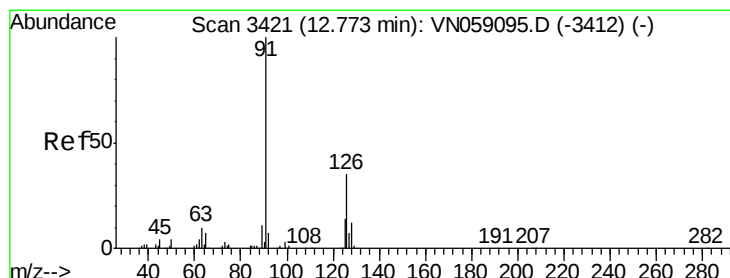
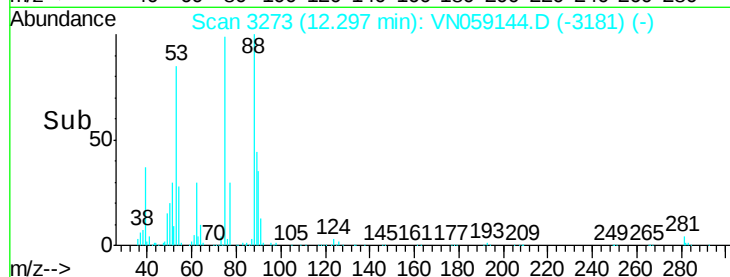
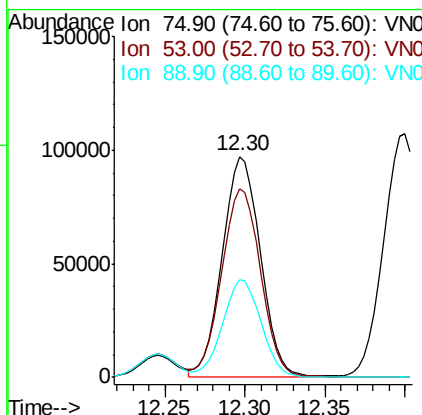
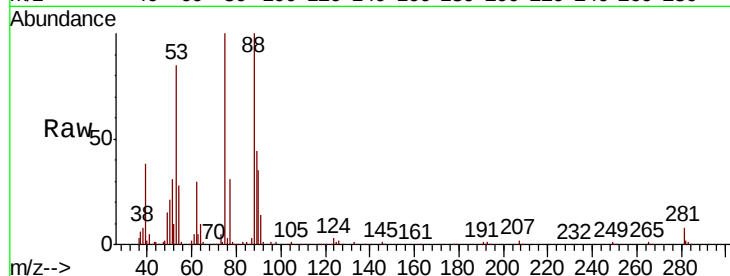
#81
trans-1,4-Dichloro-2-butene
Concen: 48.396 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	72.2	108.2
89	44.5	35.8	53.8

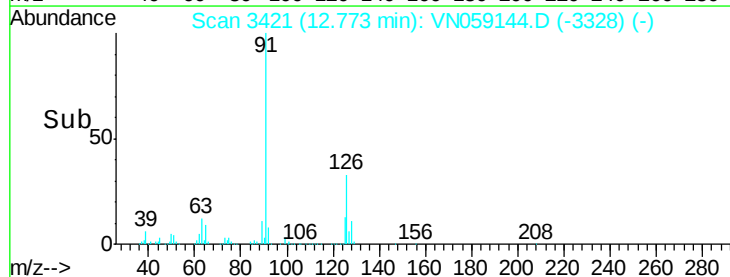
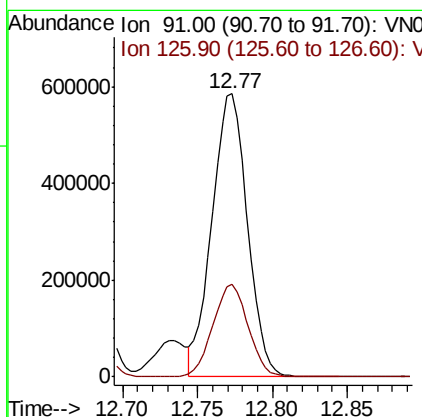
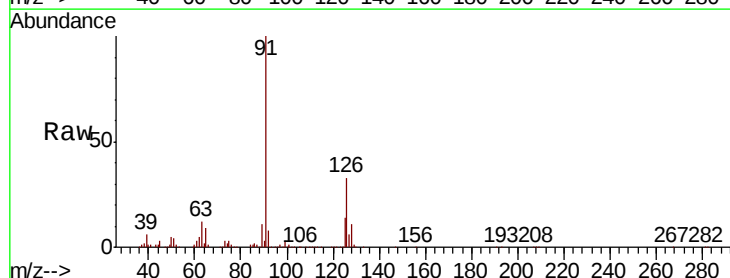
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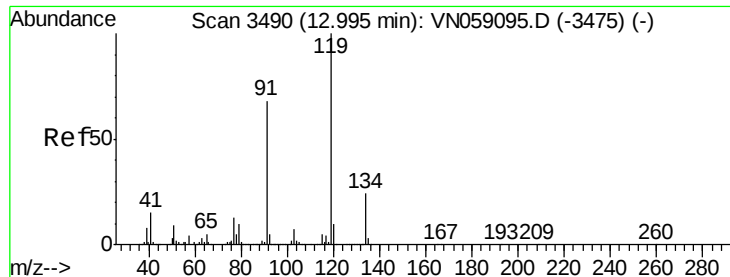
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.194 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





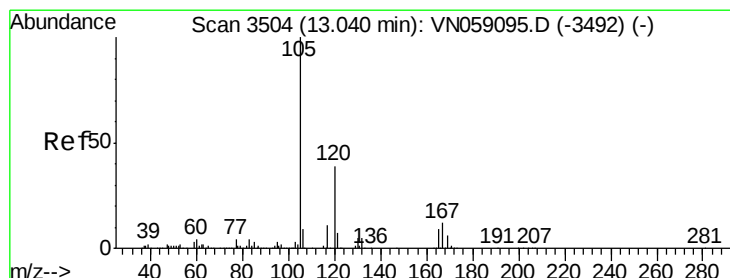
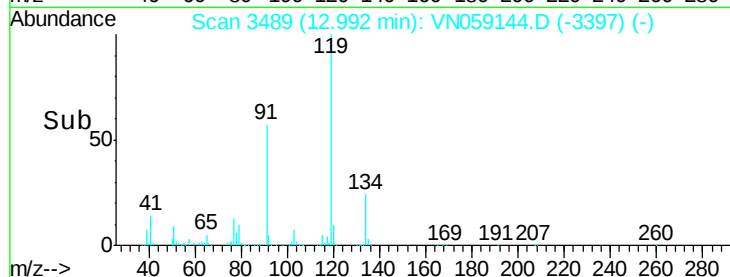
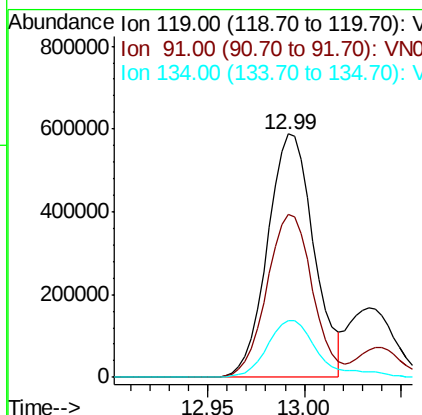
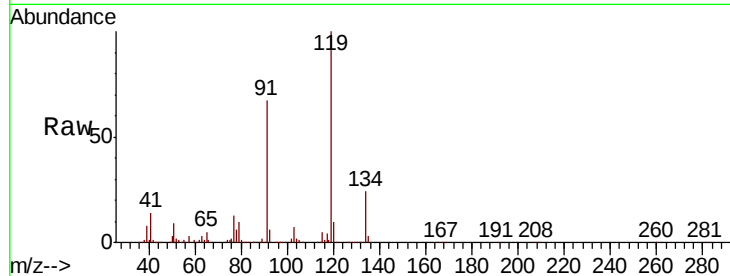
#83
tert-Butylbenzene
Concen: 48.497 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.2	99.6
134	25.6	12.7	38.1

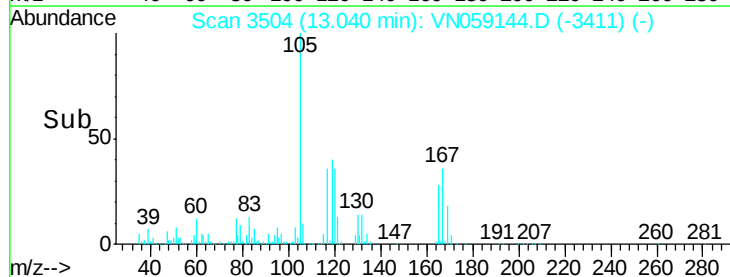
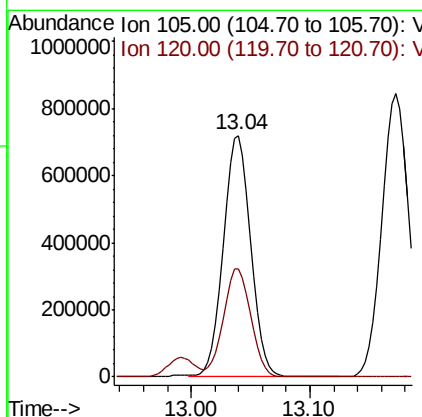
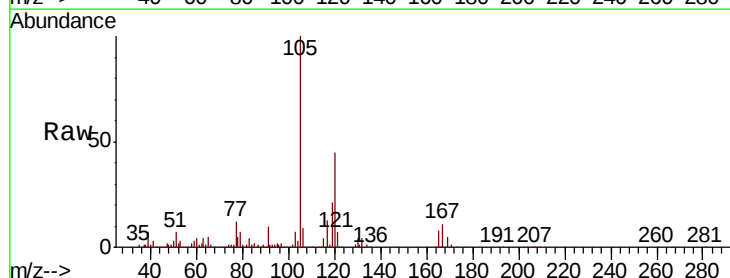
Manual Integrations
APPROVED

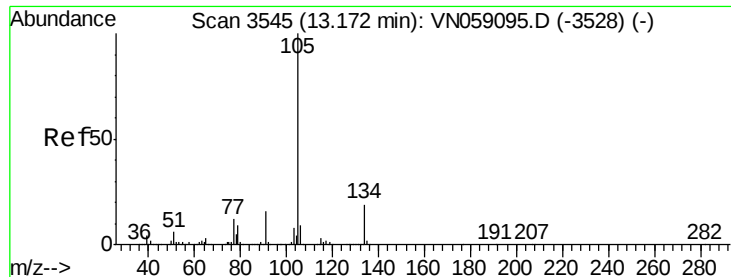
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.557 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 50.869 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1334372

Ion Ratio Lower Upper

105 100

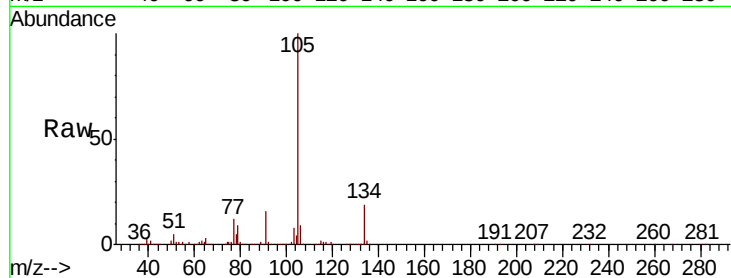
134 19.4 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

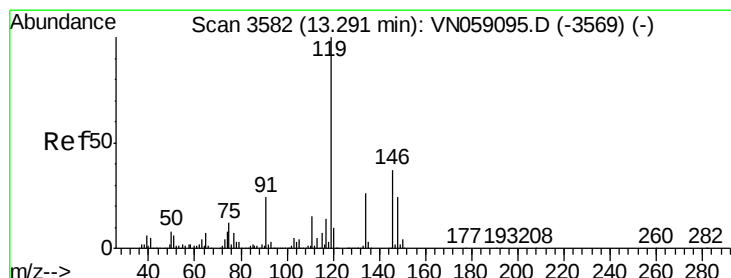
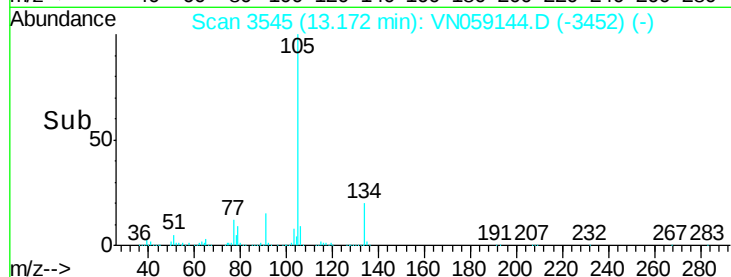
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 52.120 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

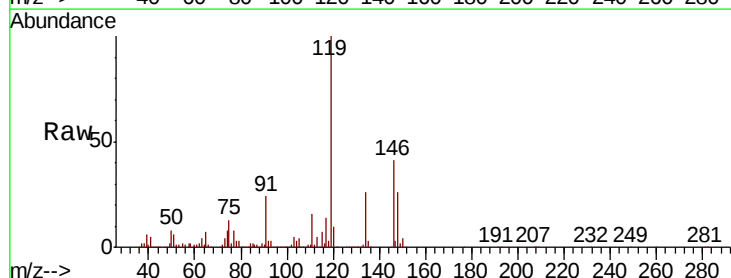
Tgt Ion:119 Resp: 1207190

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

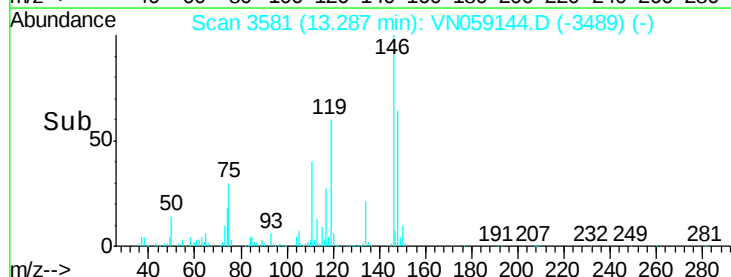
400000

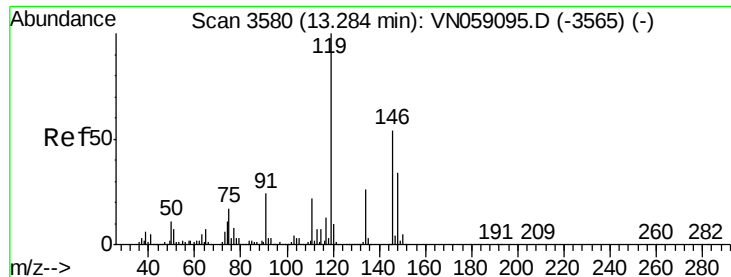
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.223 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

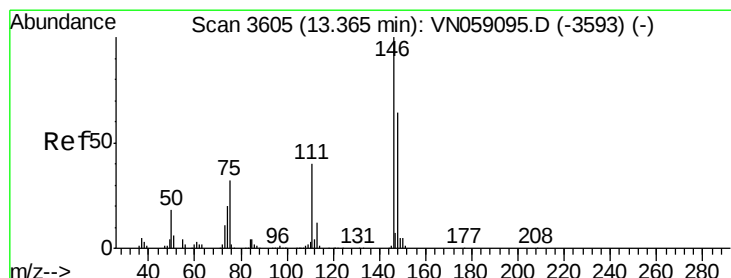
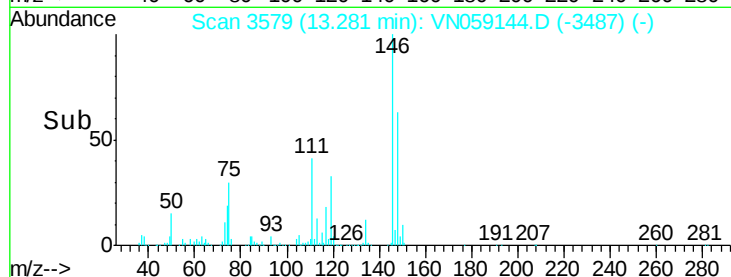
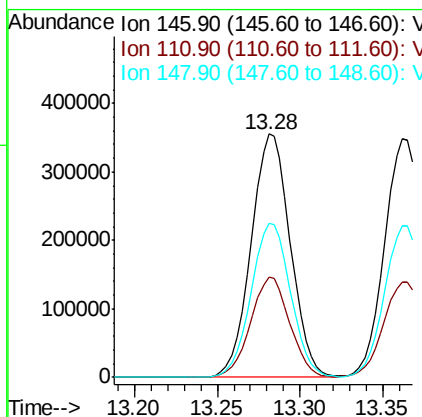
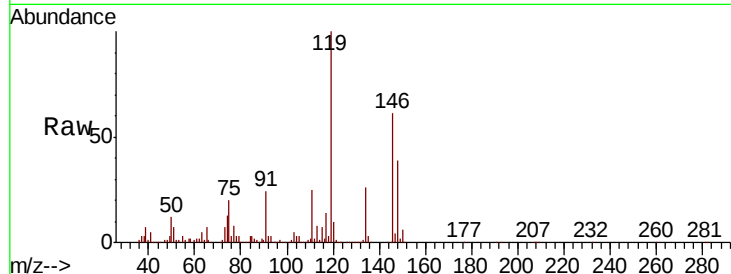
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	583716
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.4	61.3
148	63.8	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.736 ug/l

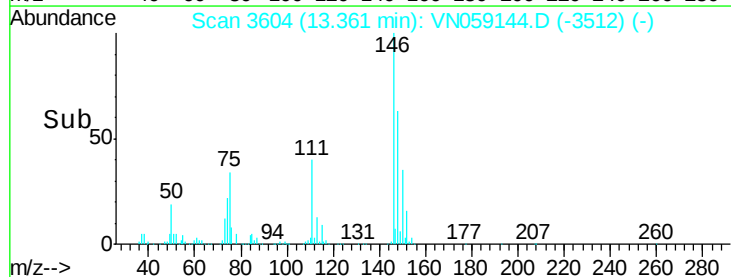
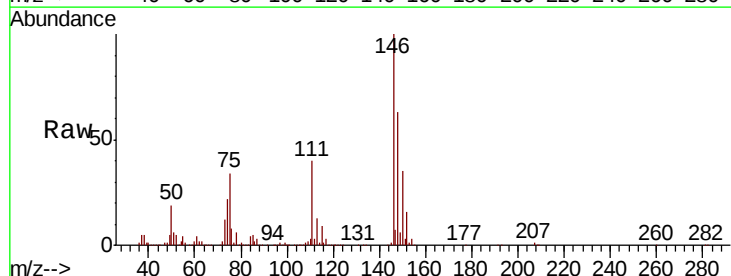
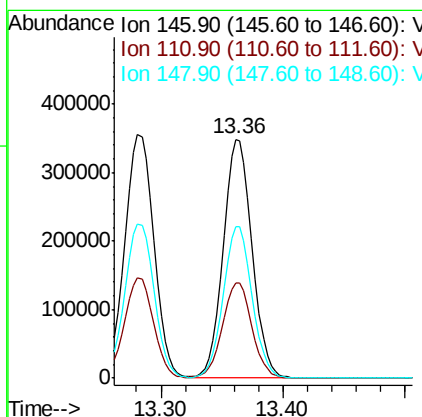
RT: 13.36 min Scan# 3604

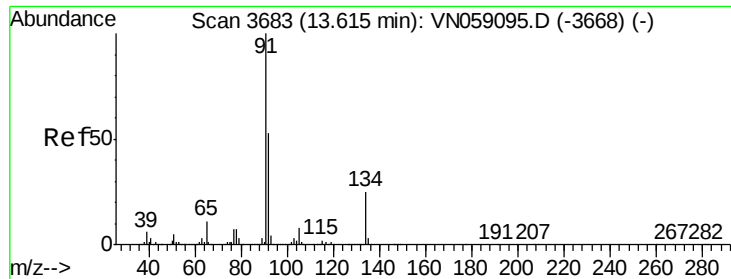
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	146	Resp:	578242
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	60.9
148	63.6	31.9	95.7





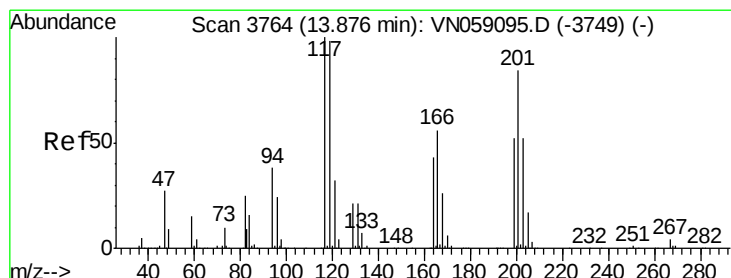
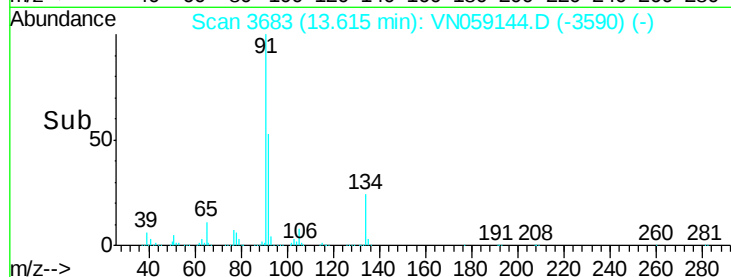
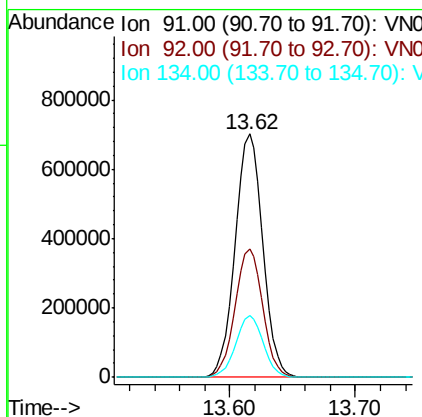
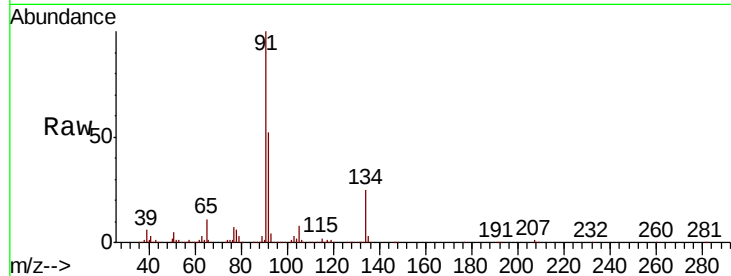
#89
n-Butylbenzene
Concen: 53.077 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	25.3	12.6	37.8

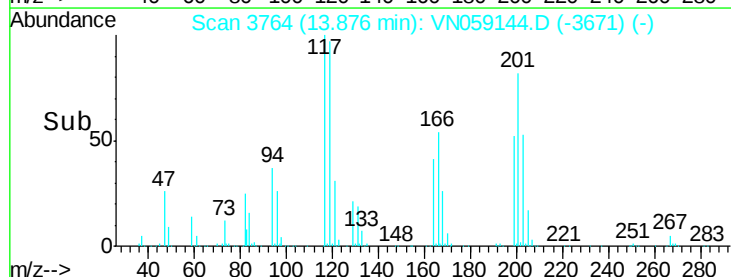
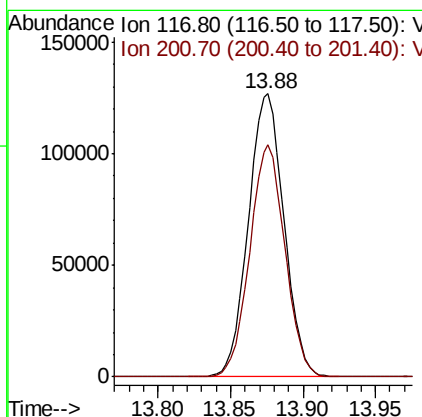
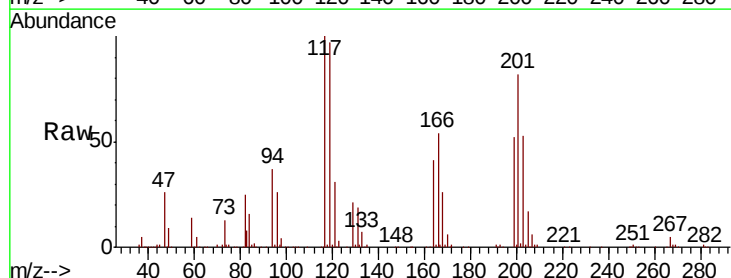
Manual Integrations
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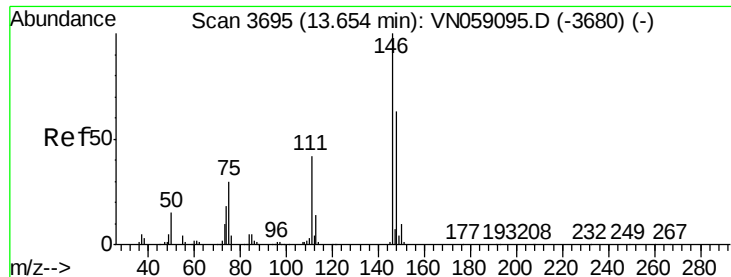
MMDadoda
11/12/2019 11:20:05 AM



#90
Hexachloroethane
Concen: 46.734 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	41.8	125.3





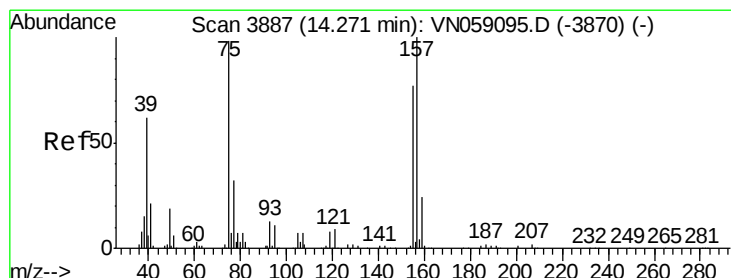
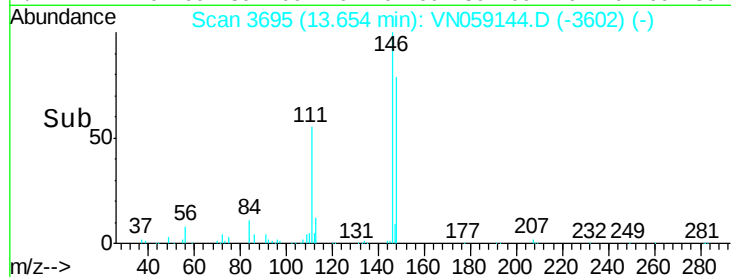
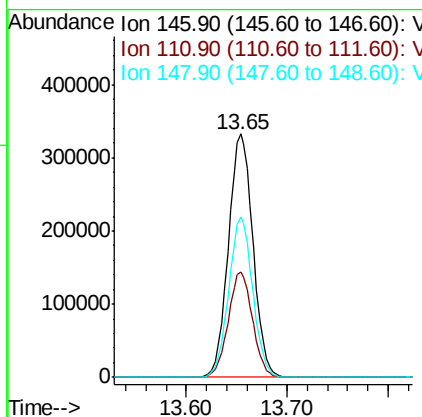
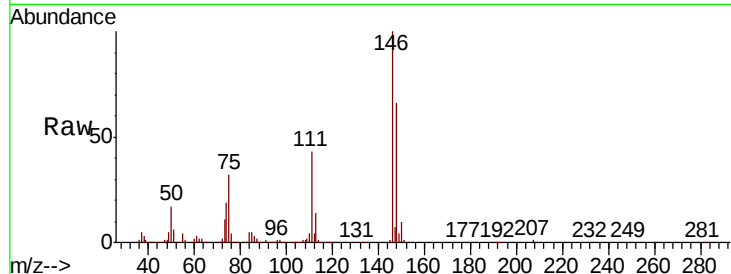
#91
 1,2-Dichlorobenzene
 Concen: 48.382 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	64.5	31.6	94.7

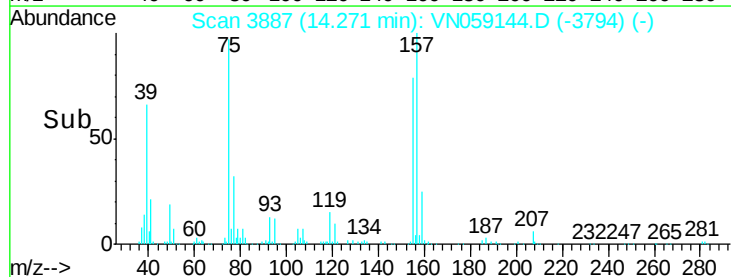
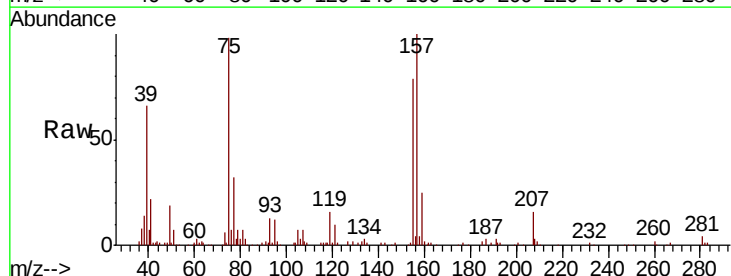
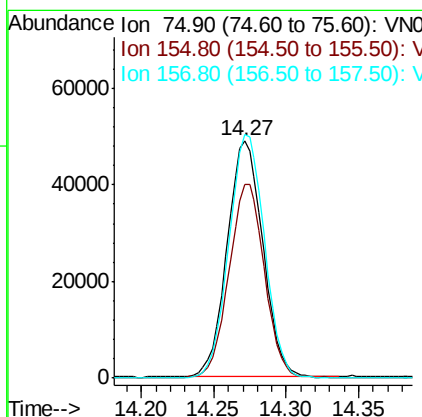
Manual Integrations
 APPROVED

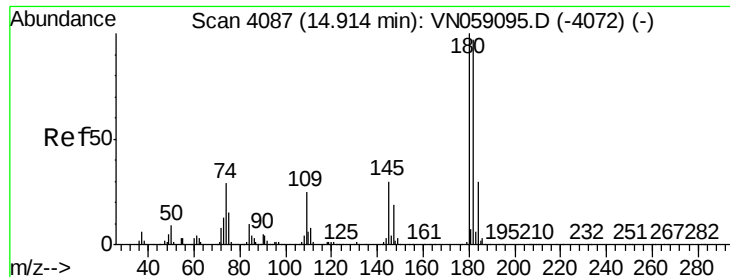
MMDadoda
 11/12/2019 11:20:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.555 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	40.2	120.6
157	103.1	51.8	155.5





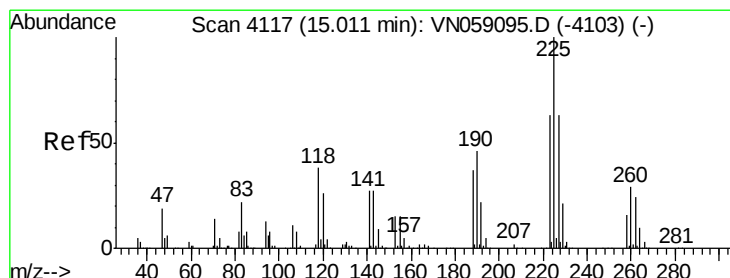
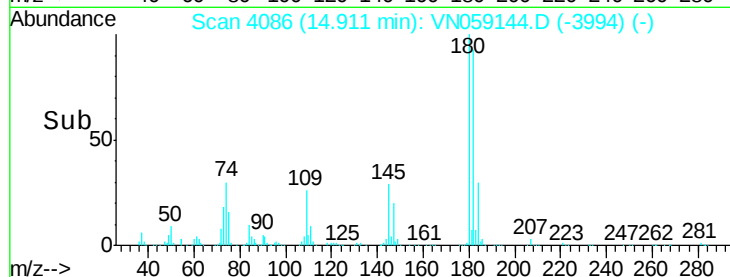
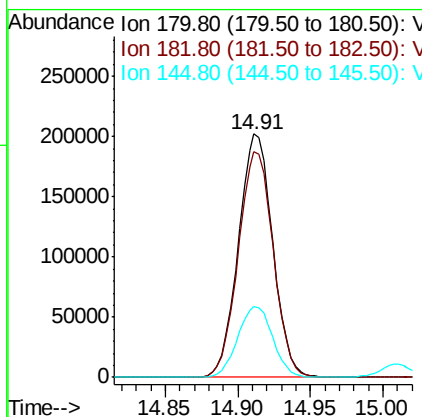
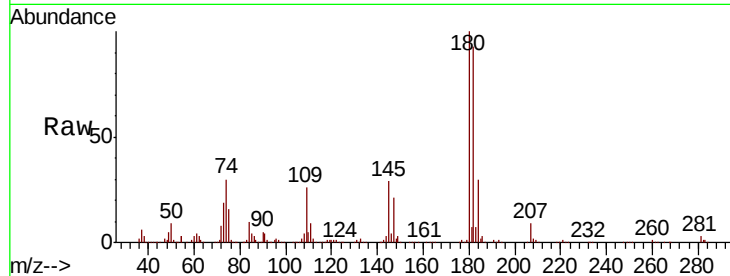
#93
 1,2,4-Trichlorobenzene
 Concen: 47.152 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	48.1	144.3	
145	29.6	15.1	45.3	

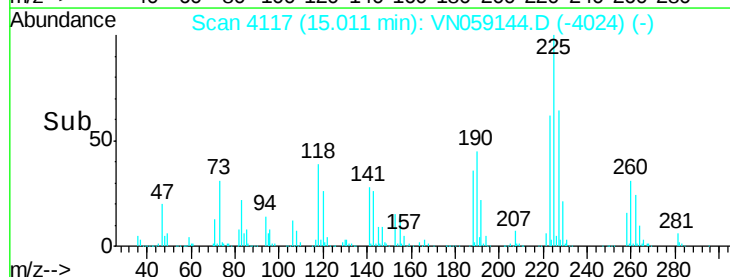
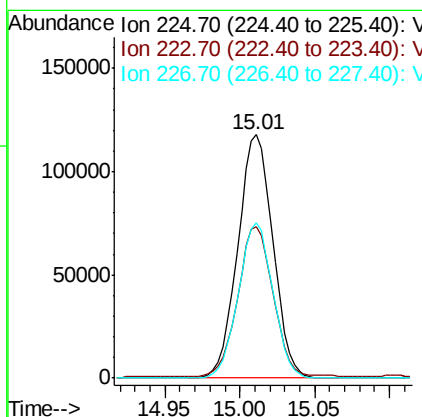
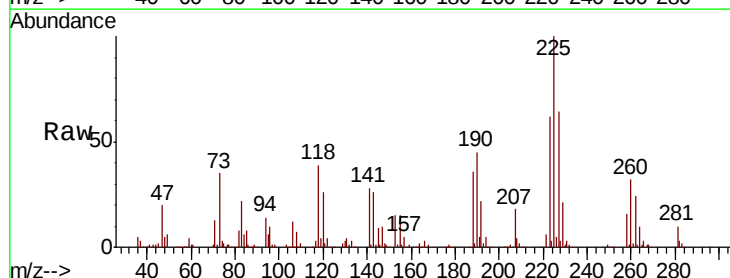
Manual Integrations
 APPROVED

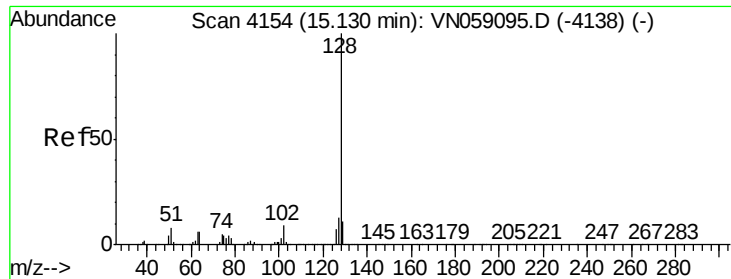
MMDadoda
 11/12/2019 11:20:05 AM



#94
 Hexachlorobutadiene
 Concen: 47.760 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.3	93.9	
227	63.0	31.5	94.5	





#95

Naphthalene

Concen: 46.472 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

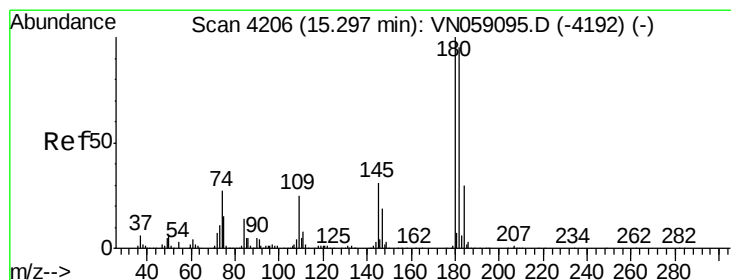
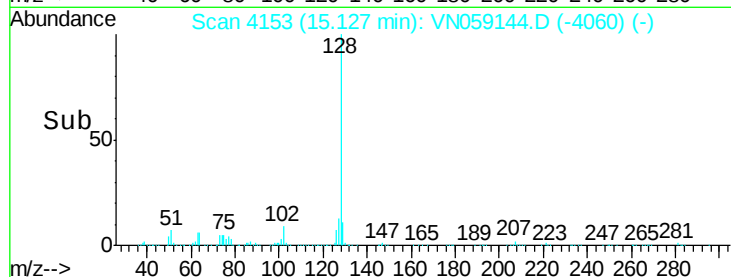
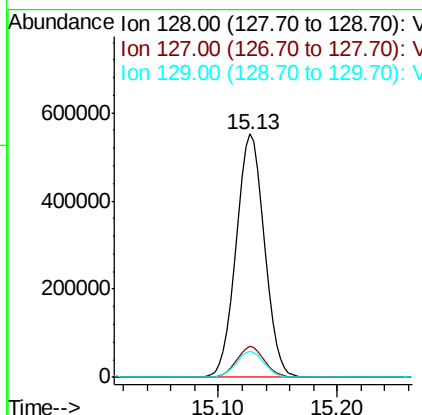
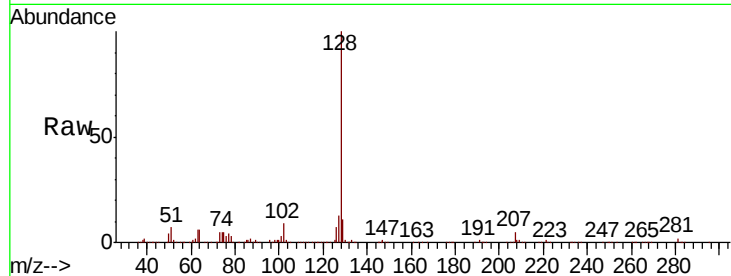
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.035 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	32.2	15.8	47.3

