

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059246.D
 Acq On : 14 Nov 2019 19:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 11:39:53 AM

Quant Time: Nov 15 08:22:51 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	397976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	624779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	277127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	234890	48.01	ug/l	0.00
Spiked Amount						
			Recovery	=	96.02%	
35) Dibromofluoromethane	7.57	113	192735	51.66	ug/l	0.00
Spiked Amount						
			Recovery	=	103.32%	
50) Toluene-d8	10.08	98	728503	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	274163	51.75	ug/l	0.00
Spiked Amount						
			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	172650	43.057	ug/l	99
3) Chloromethane	2.04	50	236807	43.446	ug/l	100
4) Vinyl Chloride	2.17	62	239968	45.410	ug/l	100
5) Bromomethane	2.54	94	124990	41.101	ug/l	100
6) Chloroethane	2.68	64	147538	47.196	ug/l	100
7) Trichlorofluoromethane	3.00	101	307277	48.613	ug/l	98
8) Diethyl Ether	3.39	74	132446	51.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184332	48.367	ug/l	99
10) Methyl Iodide	3.93	142	202254	42.875	ug/l	98
11) Tert butyl alcohol	4.75	59	248404	266.431	ug/l	98
12) 1,1-Dichloroethene	3.72	96	182220	49.083	ug/l	98
13) Acrolein	3.58	56	139077	289.325	ug/l	99
14) Allyl chloride	4.30	41	368125	48.273	ug/l	97
15) Acrylonitrile	4.95	53	649306	279.841	ug/l	100
16) Acetone	3.79	43	529128	207.989	ug/l	99
17) Carbon Disulfide	4.03	76	478447	41.516	ug/l	99
18) Methyl Acetate	4.29	43	338542	56.064	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	678962	53.120	ug/l	100
20) Methylene Chloride	4.53	84	220663	49.788	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	196523	49.316	ug/l	97
22) Diisopropyl ether	5.92	45	751387	52.164	ug/l	99
23) Vinyl Acetate	5.87	43	3122134	279.671	ug/l	99
24) 1,1-Dichloroethane	5.82	63	407603	50.664	ug/l	98
25) 2-Butanone	6.81	43	863008	257.394	ug/l	99
26) 2,2-Dichloropropane	6.80	77	332973	47.332	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236750	51.209	ug/l	98
28) Bromochloromethane	7.17	49	112457	46.461	ug/l	99
29) Tetrahydrofuran	7.18	42	581105	272.767	ug/l	98
30) Chloroform	7.35	83	397266	51.476	ug/l	97
31) Cyclohexane	7.63	56	338581	44.455	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	333915	51.463	ug/l	100
36) 1,1-Dichloropropene	7.77	75	290965	49.824	ug/l	99
37) Ethyl Acetate	6.90	43	347778	53.532	ug/l	99
38) Carbon Tetrachloride	7.75	117	293219	50.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	324482	47.875	ug/l	99
40) Benzene	8.02	78	896750	50.993	ug/l	98
41) Methacrylonitrile	7.15	41	131410m	46.516	ug/l	
42) 1,2-Dichloroethane	8.10	62	305664	50.678	ug/l	100
43) Isopropyl Acetate	8.14	43	547611	52.872	ug/l	99
44) Trichloroethene	8.82	130	217976	50.423	ug/l	96
45) 1,2-Dichloropropane	9.10	63	248733	52.073	ug/l	100
46) Dibromomethane	9.19	93	151380	50.858	ug/l	99
47) Bromodichloromethane	9.39	83	316275	53.212	ug/l	98
48) Methyl methacrylate	9.18	41	243740	52.612	ug/l	97
49) 1,4-Dioxane	9.18	88	89053	1081.636	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1764700	301.121	ug/l	99
52) Toluene	10.15	92	547467	51.940	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	355180	51.723	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	383911	51.974	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	226122	53.008	ug/l	99
56) Ethyl methacrylate	10.42	69	362445	50.906	ug/l	98
57) 1,3-Dichloropropane	10.70	76	388057	52.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	710305	299.197	ug/l	99
59) 2-Hexanone	10.74	43	1300228	289.058	ug/l	99
60) Dibromochloromethane	10.90	129	243371	53.960	ug/l	99
61) 1,2-Dibromoethane	11.00	107	230219	53.312	ug/l	99
64) Tetrachloroethene	10.62	164	188186	48.333	ug/l	98
65) Chlorobenzene	11.43	112	580135	51.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	223154	53.295	ug/l	98
67) Ethyl Benzene	11.51	91	1053933	53.218	ug/l	99
68) m/p-Xylenes	11.62	106	787387	106.141	ug/l	99
69) o-Xylene	11.94	106	376421	52.506	ug/l	99
70) Styrene	11.96	104	625563	55.482	ug/l	100
71) Bromoform	12.13	173	178613	54.841	ug/l #	99
73) Isopropylbenzene	12.25	105	1032949	51.242	ug/l	100
74) N-amyl acetate	12.07	43	455640	53.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	356416	51.919	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	324003m	51.354	ug/l	
77) Bromobenzene	12.53	156	248175	49.002	ug/l	99
78) n-propylbenzene	12.59	91	1199671	51.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	717424	50.105	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	872982	51.108	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124936	52.303	ug/l	98
82) 4-Chlorotoluene	12.77	91	726127	50.562	ug/l	99
83) tert-Butylbenzene	12.99	119	749216	50.791	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	879218	53.202	ug/l	99
85) sec-Butylbenzene	13.17	105	1003941	52.331	ug/l	100
86) p-Isopropyltoluene	13.29	119	901924	53.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	440639	50.808	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	434700	50.096	ug/l	99
89) n-Butylbenzene	13.62	91	765279	51.618	ug/l	100
90) Hexachloroethane	13.88	117	168141	49.433	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	439993	51.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71731	52.372	ug/l	99

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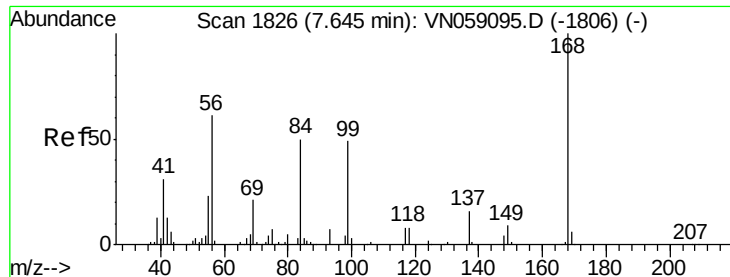
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245418	47.571	ug/l	99
94) Hexachlorobutadiene	15.01	225	147219	50.046	ug/l	99
95) Naphthalene	15.13	128	678927	47.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	246718	51.602	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 397976

Ion Ratio Lower Upper

168 100

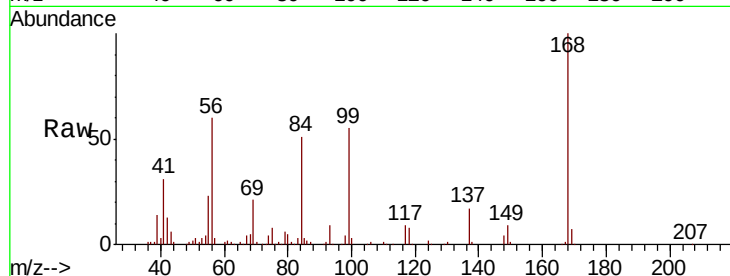
99 54.4 45.7 68.5

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

200000

150000

100000

50000

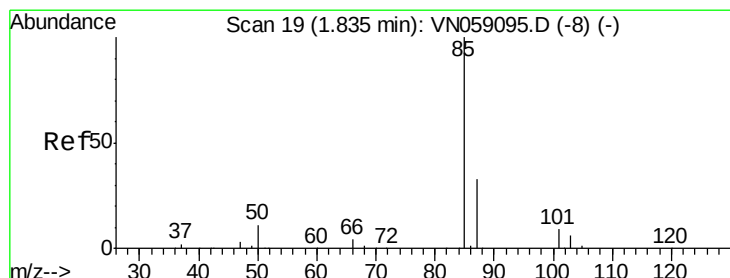
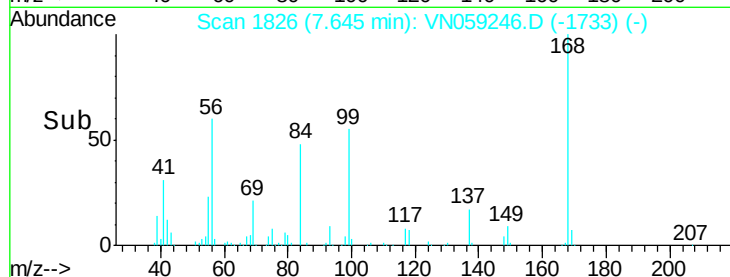
0

7.60

7.64

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.057 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059246.D

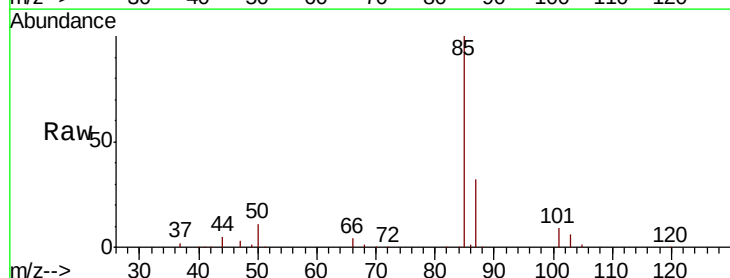
Acq: 14 Nov 2019 19:46

Tgt Ion: 85 Resp: 172650

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

50000

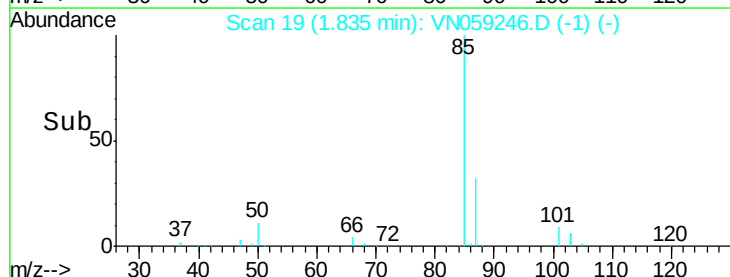
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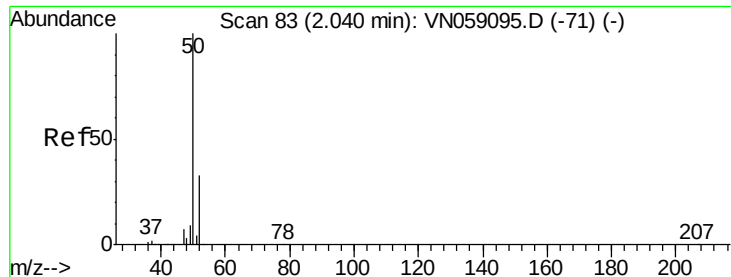
1.80

1.83

1.90

Time-->





#3

Chloromethane

Concen: 43.446 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 236807

Ion Ratio Lower Upper

50 100

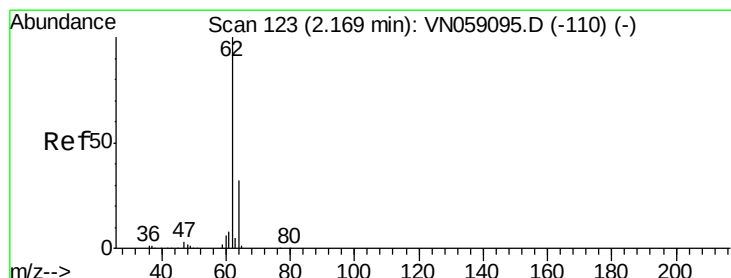
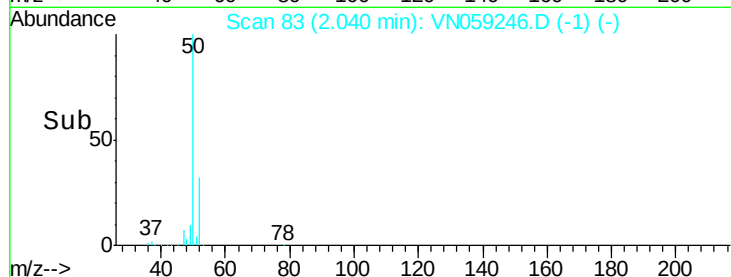
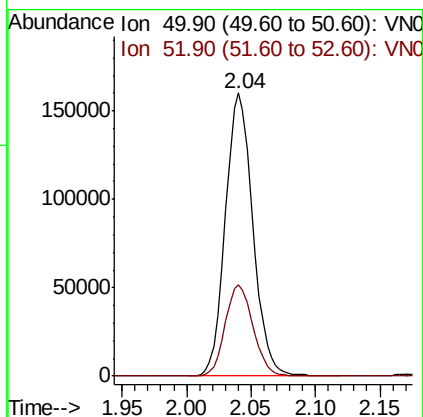
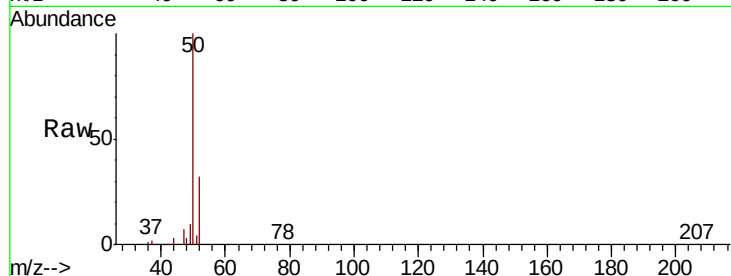
52 32.4 26.0 39.0

Manual Integrations

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11/15/2019 11:39:53 AM



#4

Vinyl Chloride

Concen: 45.410 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059246.D

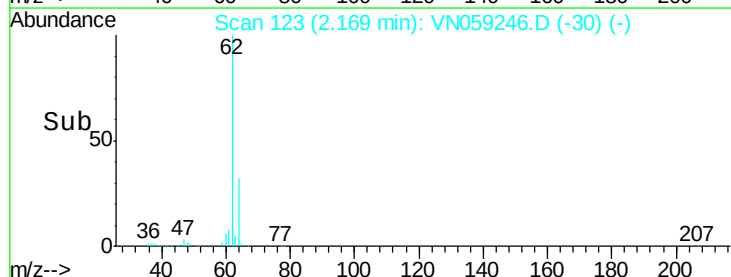
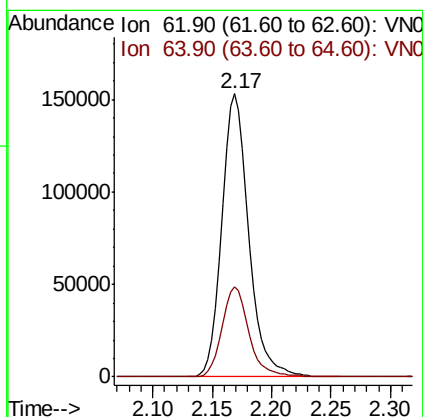
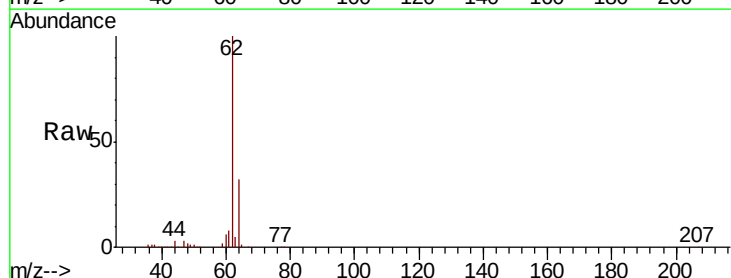
Acq: 14 Nov 2019 19:46

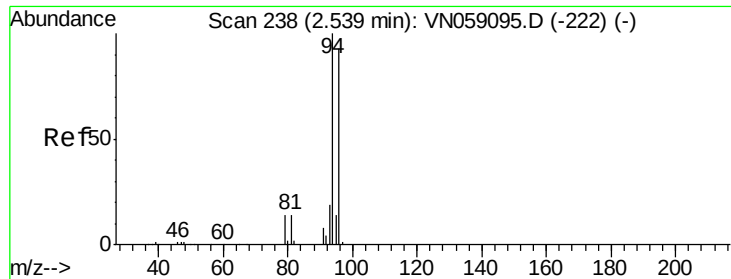
Tgt Ion: 62 Resp: 239968

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 41.101 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 124990

Ion Ratio Lower Upper

94 100

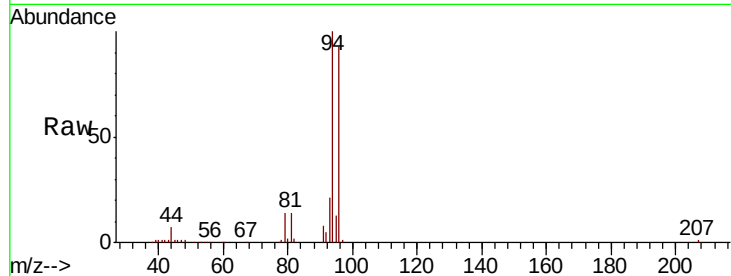
96 92.6 74.2 111.2

Manual Integrations

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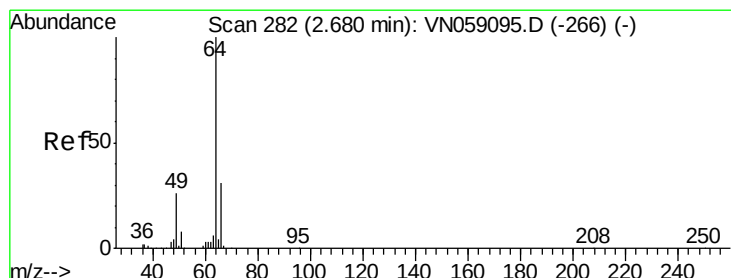
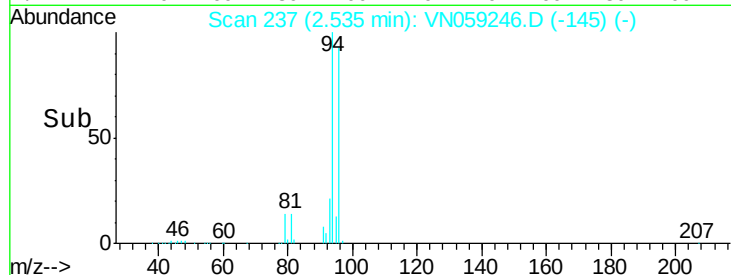
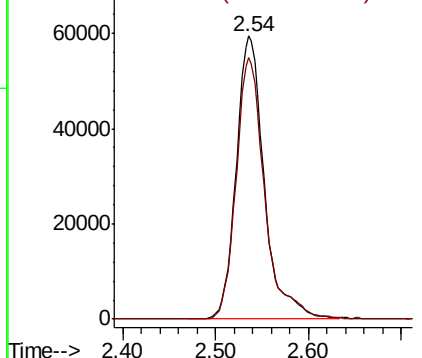
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.196 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059246.D

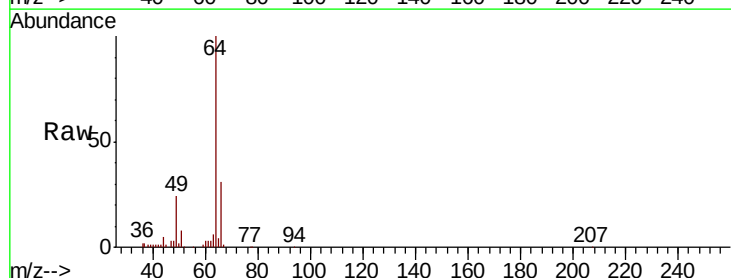
Acq: 14 Nov 2019 19:46

Tgt Ion: 64 Resp: 147538

Ion Ratio Lower Upper

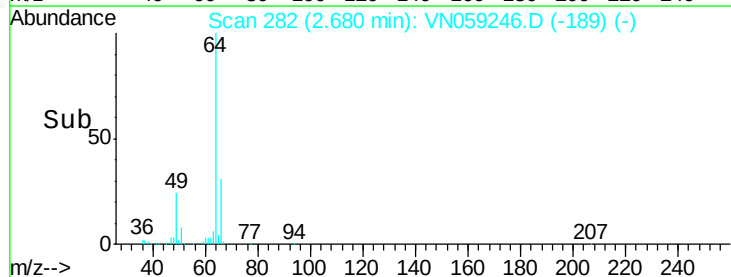
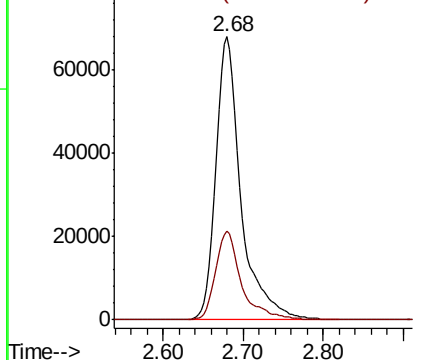
64 100

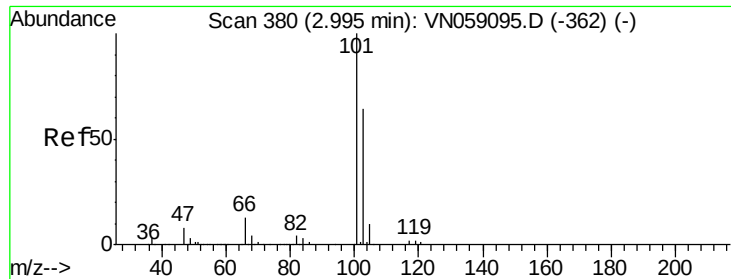
66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

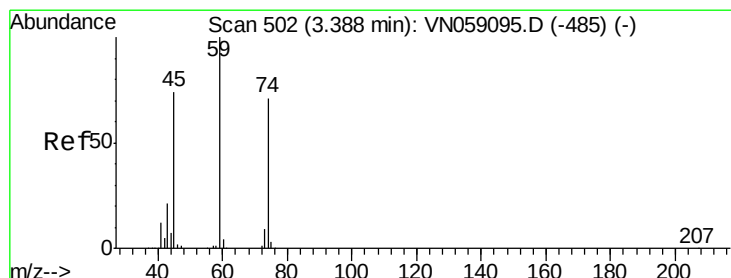
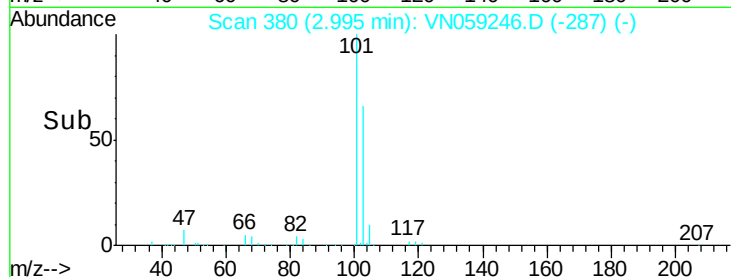
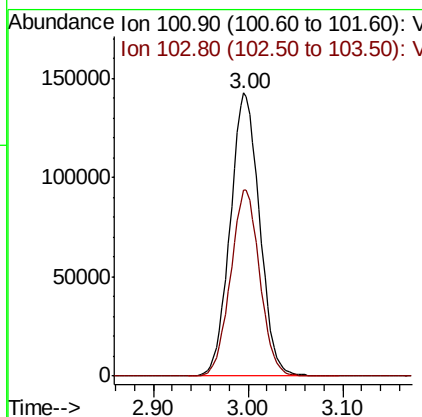
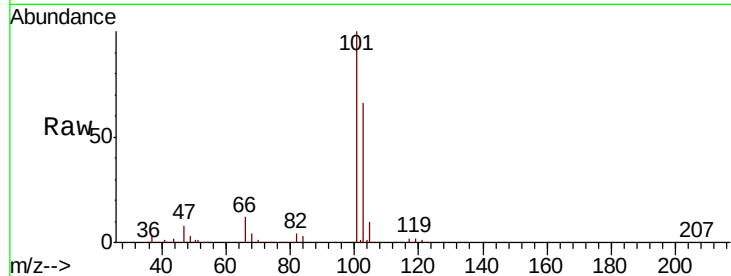
Trichlorofluoromethane
Concen: 48.613 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.2	76.8

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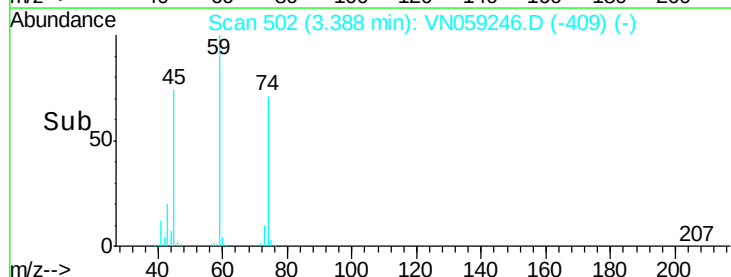
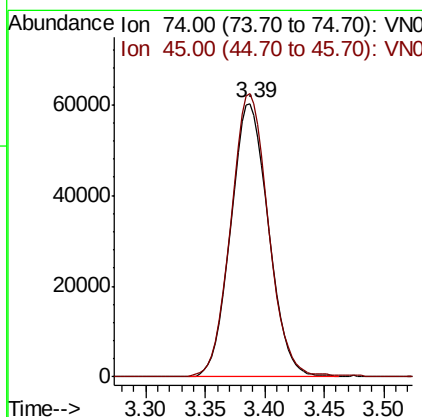
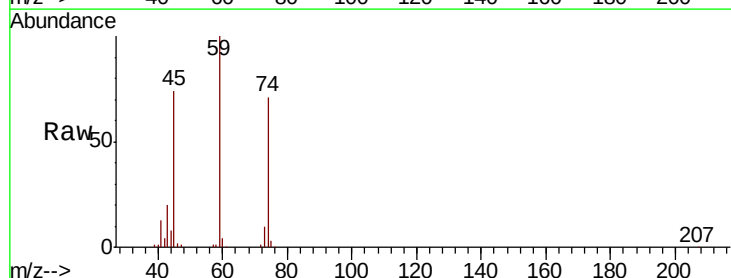
MMDadoda
11/15/2019 11:39:53 AM

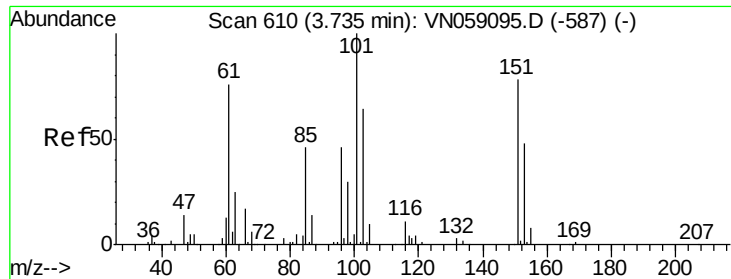


#8

Diethyl Ether
Concen: 51.569 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.367 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

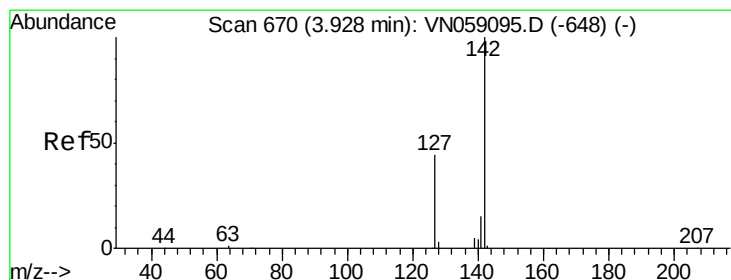
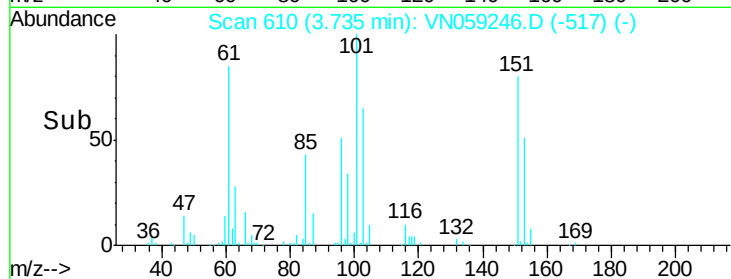
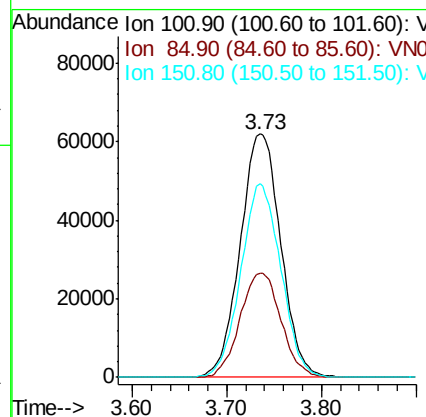
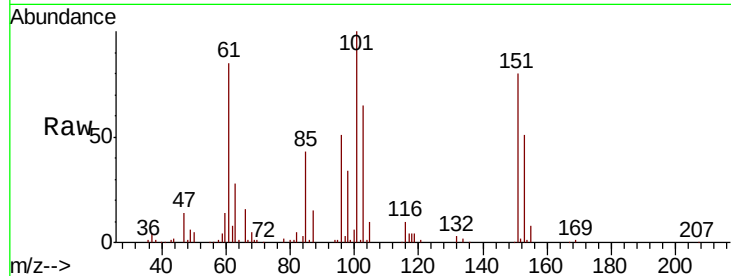
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184332
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	78.5	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 42.875 ug/l

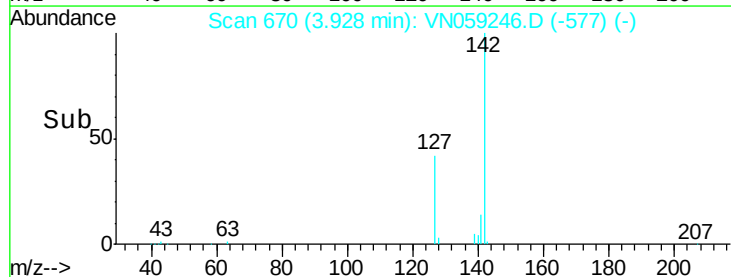
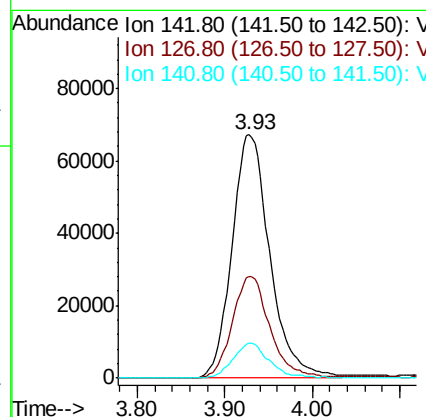
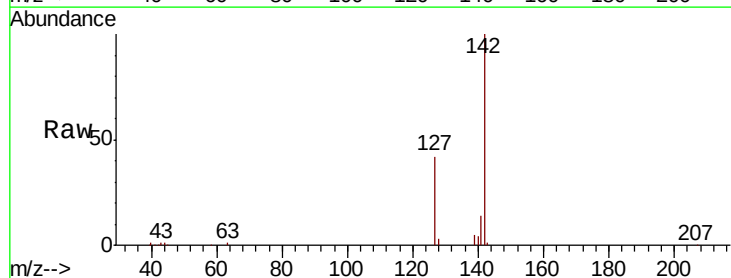
RT: 3.93 min Scan# 670

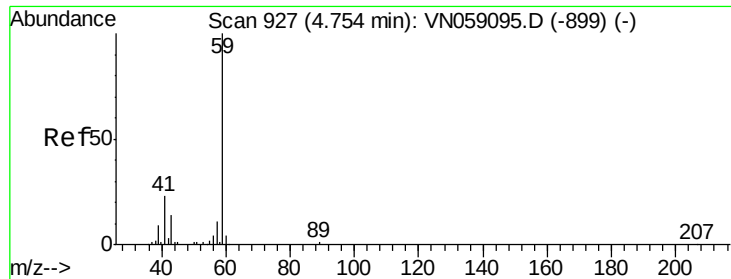
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	142	Resp:	202254
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.2	51.2
141	13.6	11.4	17.0





#11

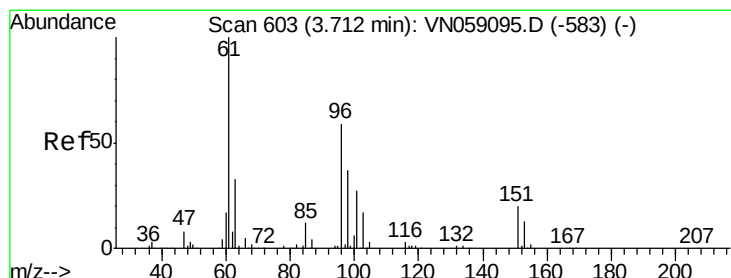
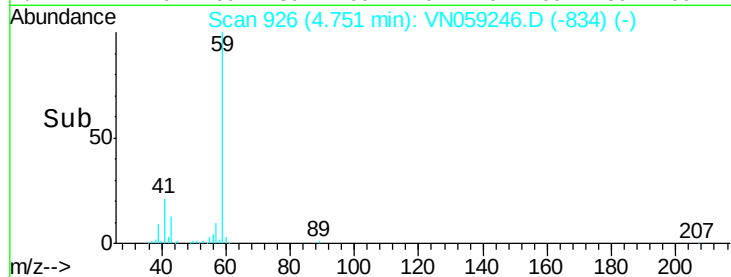
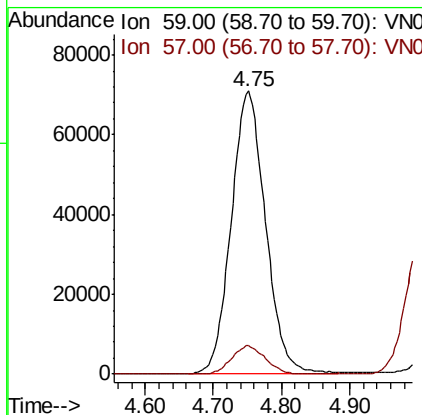
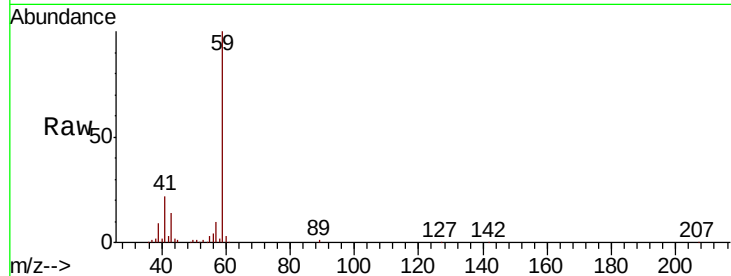
Tert butyl alcohol
Concen: 266.431 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

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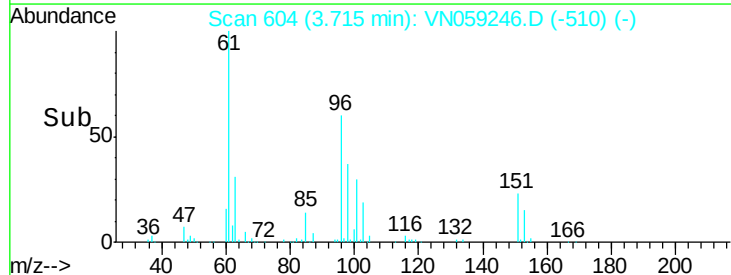
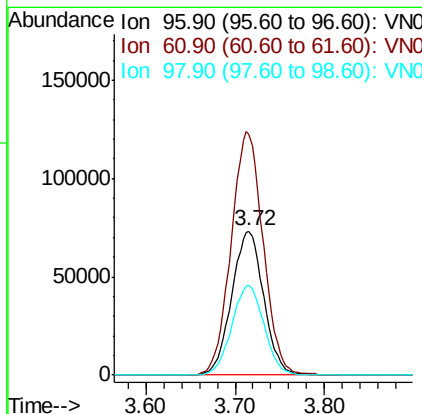
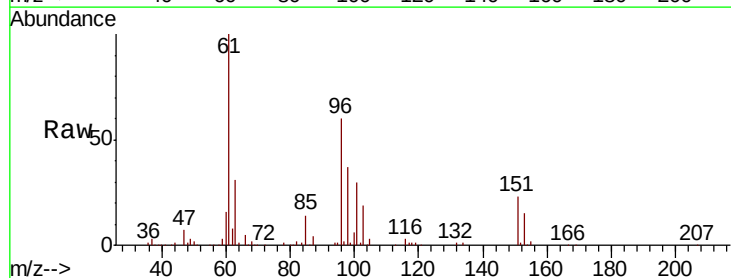
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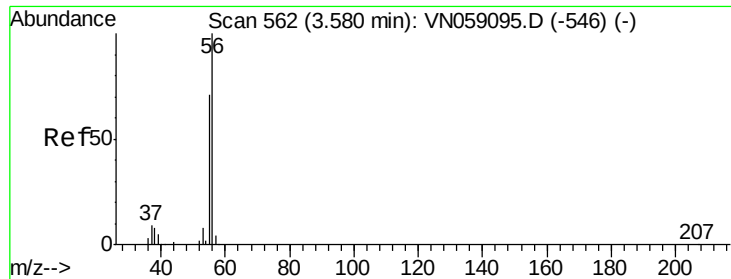


#12

1,1-Dichloroethene
Concen: 49.083 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	136.5	204.7
98	62.3	50.2	75.4





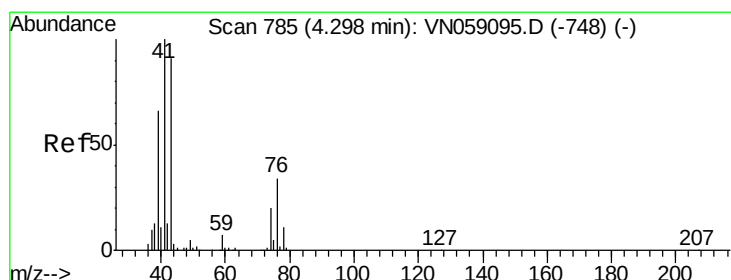
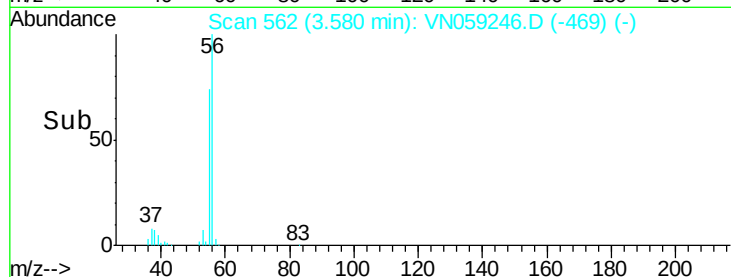
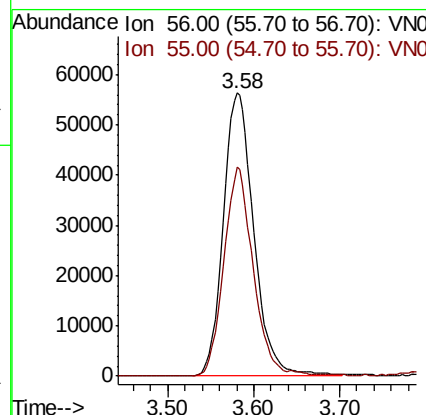
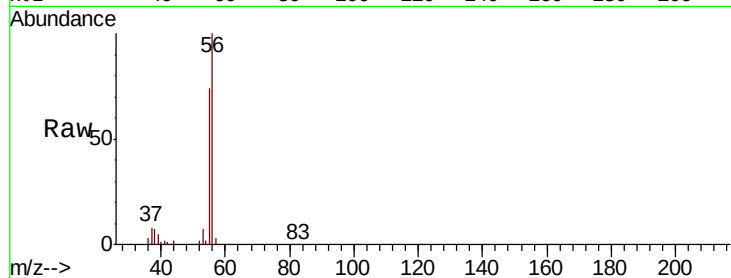
#13
Acrolein
Concen: 289.325 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	139077
Ion Ratio	100	Lower	Upper
56	100		
55	71.1	56.4	84.6

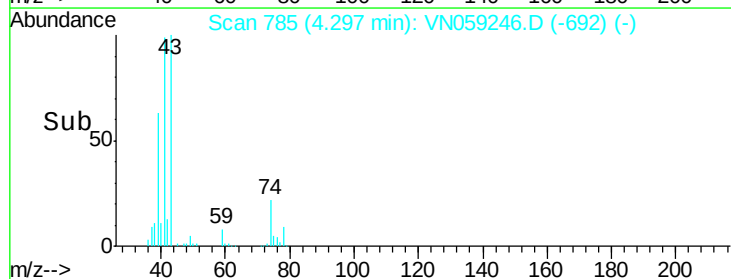
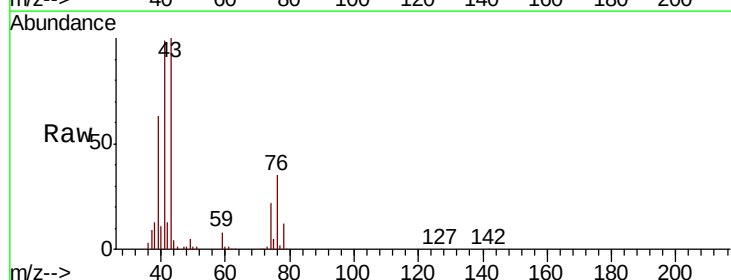
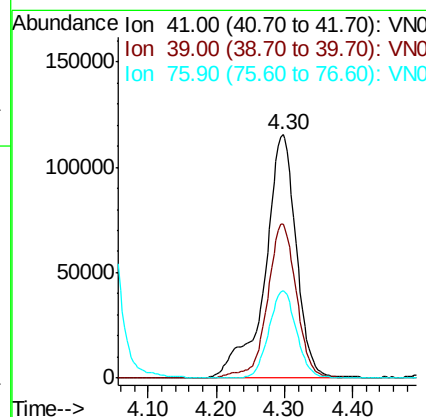
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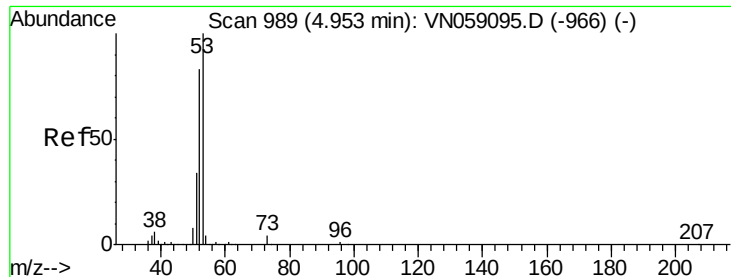
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#14
Allyl chloride
Concen: 48.273 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	41	Resp	368125
Ion Ratio	100	Lower	Upper
41	100		
39	58.8	49.1	73.7
76	31.6	24.9	37.3





#15

Acrylonitrile

Concen: 279.841 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

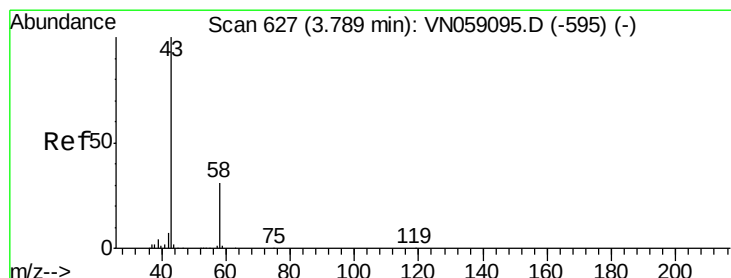
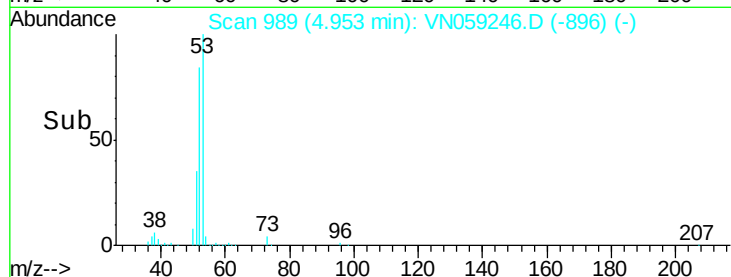
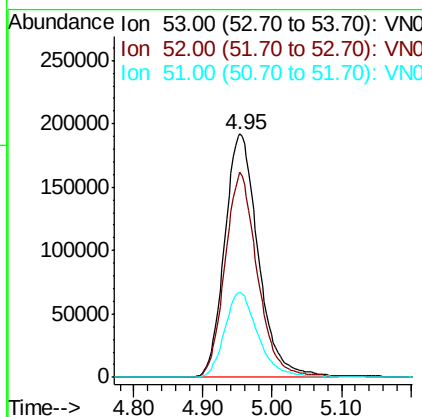
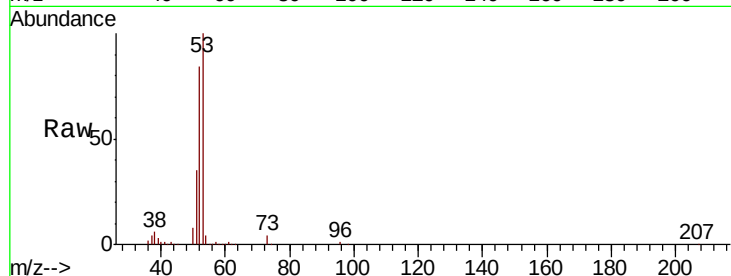
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	649306
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.0	97.6
51	34.8	28.0	42.0

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#16

Acetone

Concen: 207.989 ug/l

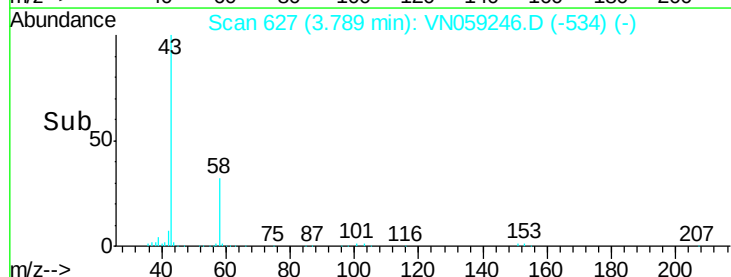
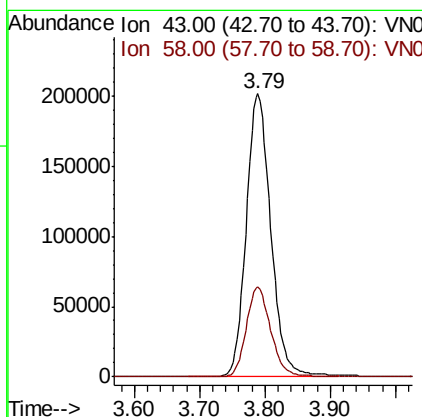
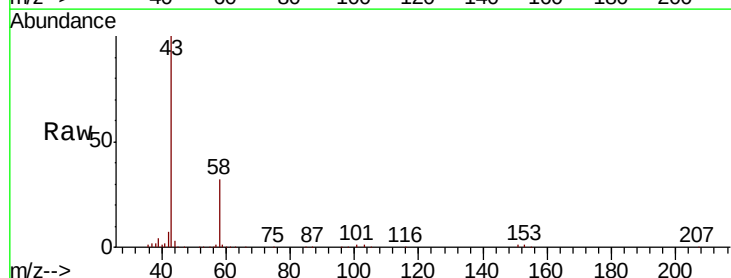
RT: 3.79 min Scan# 627

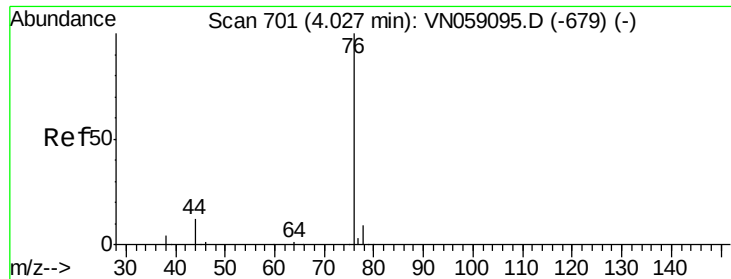
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	43	Resp:	529128
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.9	37.3





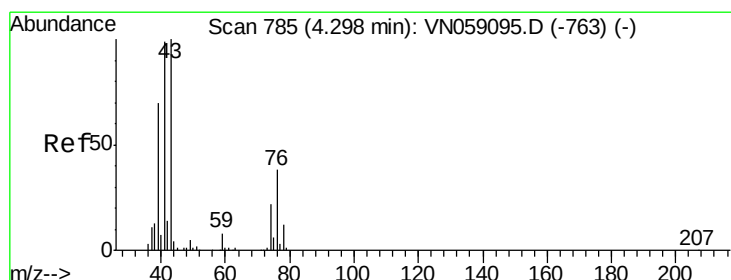
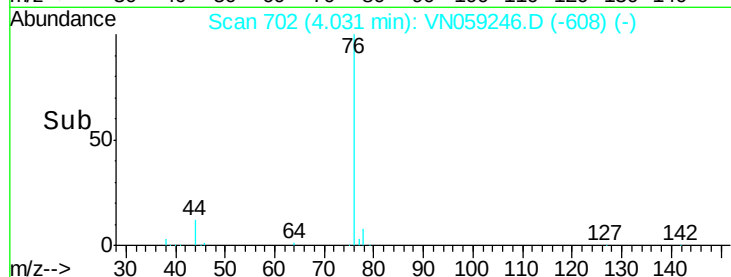
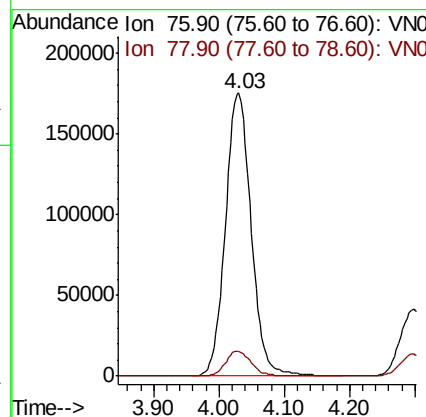
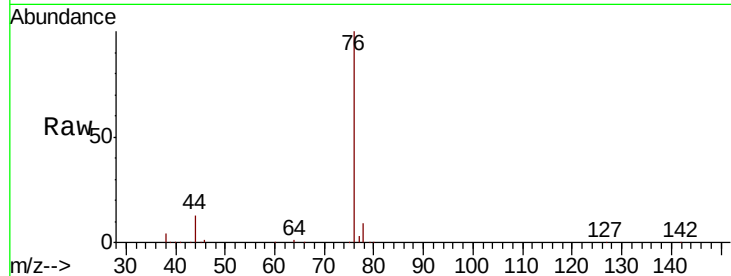
#17
Carbon Disulfide
Concen: 41.516 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

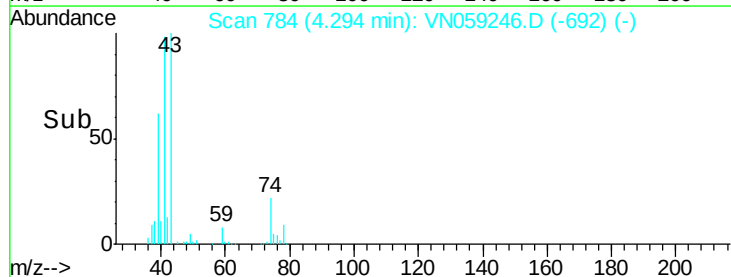
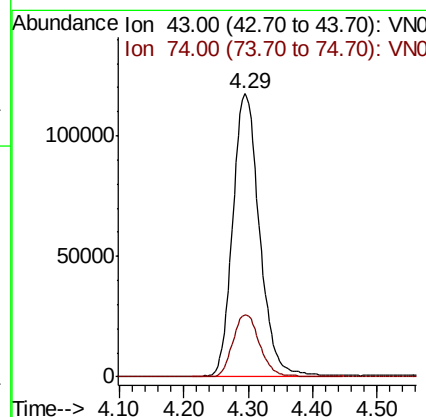
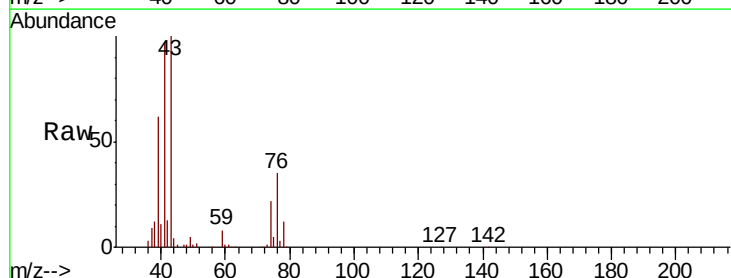
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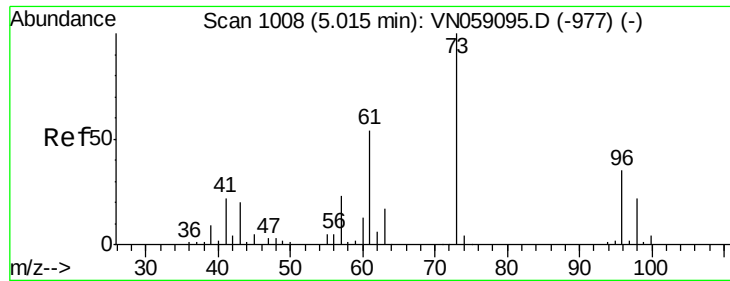
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#18
Methyl Acetate
Concen: 56.064 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.8





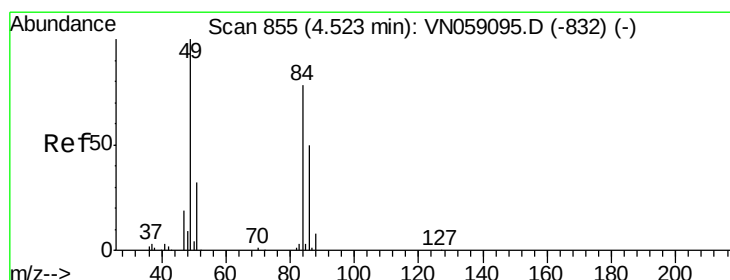
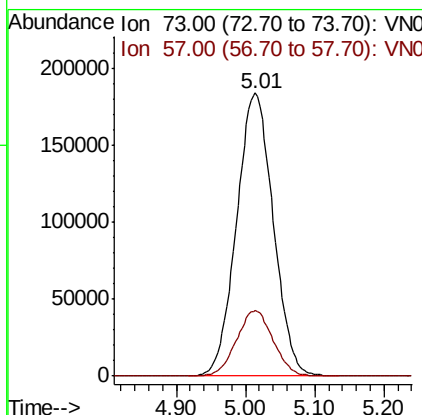
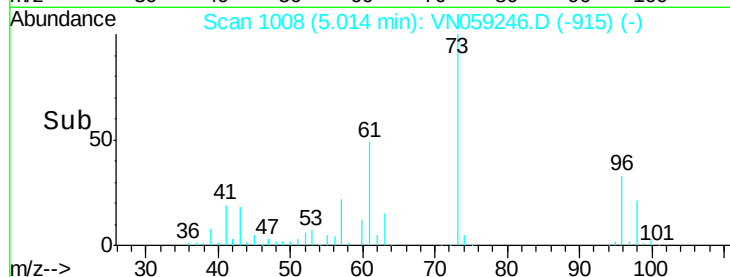
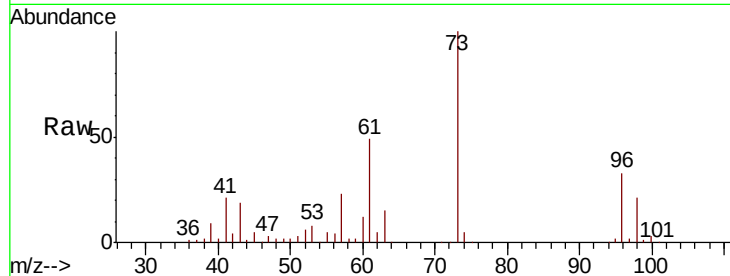
#19
Methyl tert-butyl Ether
Concen: 53.120 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 678962
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

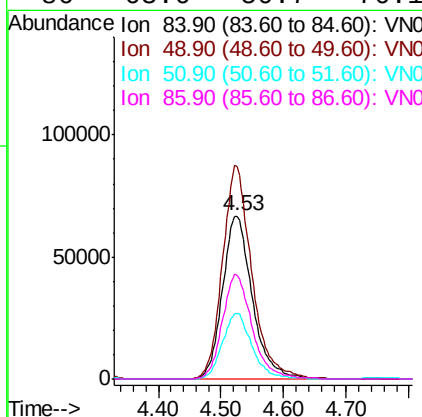
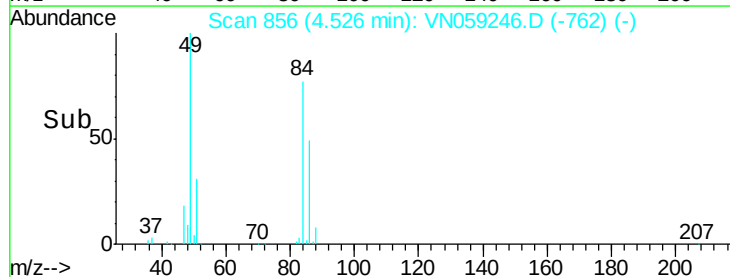
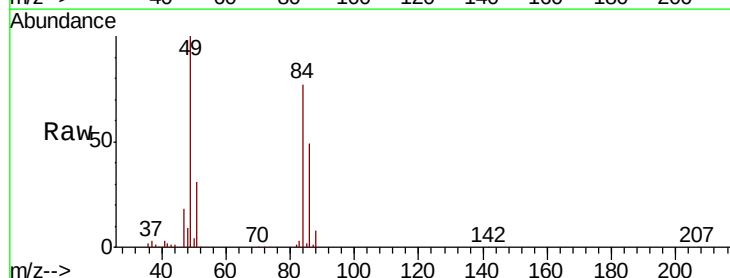
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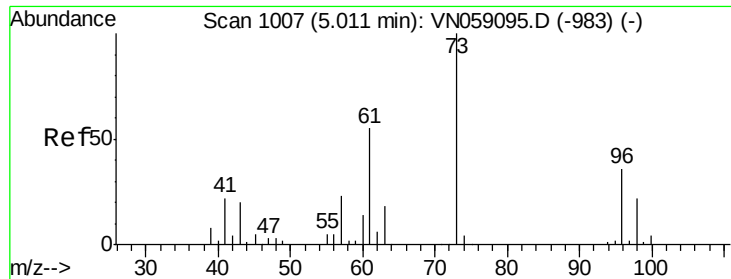
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#20
Methylene Chloride
Concen: 49.788 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 84 Resp: 220663
Ion Ratio Lower Upper
84 100
49 130.3 102.0 153.0
51 40.3 32.2 48.2
86 63.6 50.7 76.1





#21

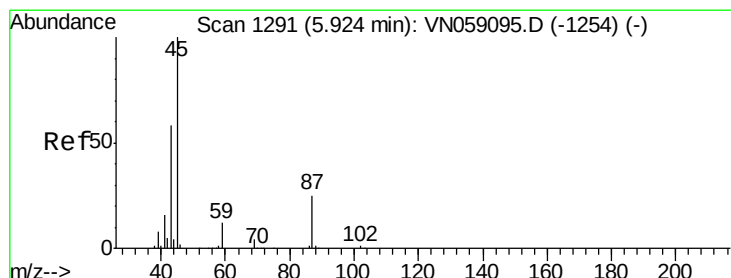
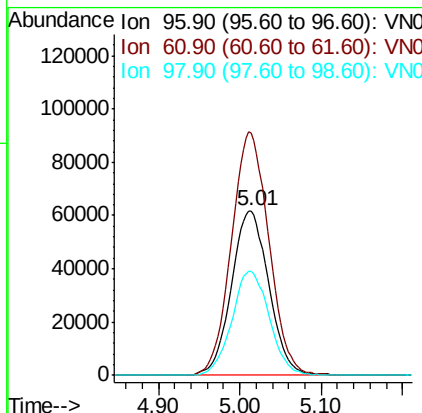
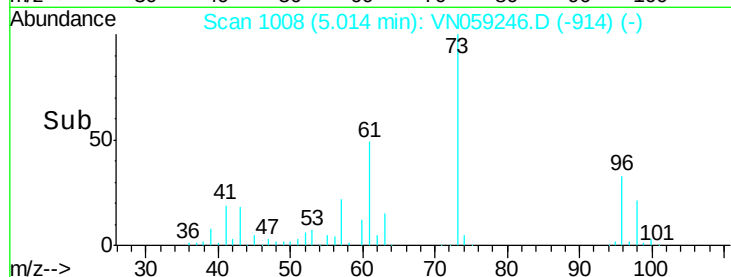
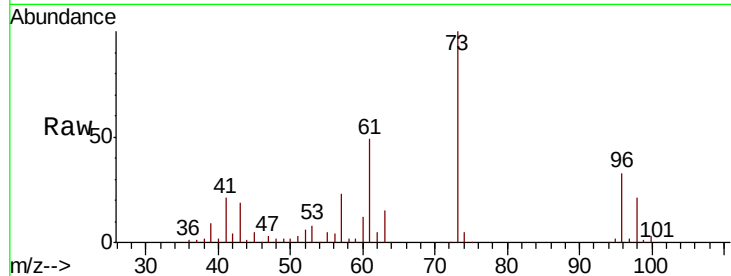
trans-1,2-Dichloroethene
Concen: 49.316 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	122.6	183.8
98	63.1	50.3	75.5

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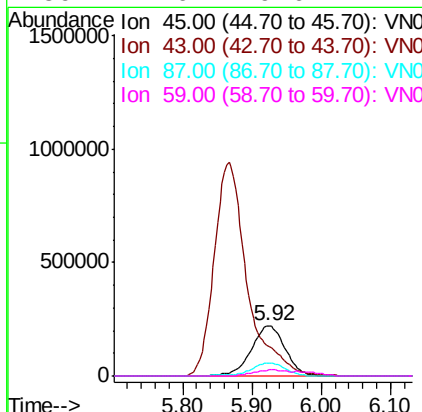
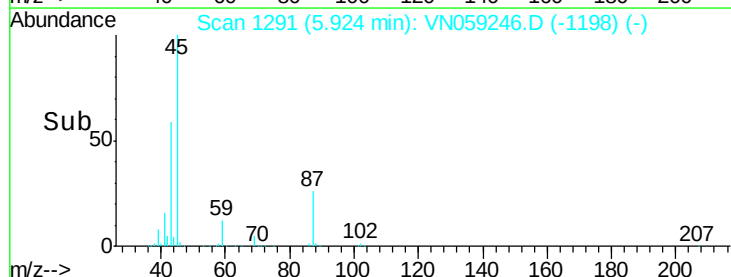
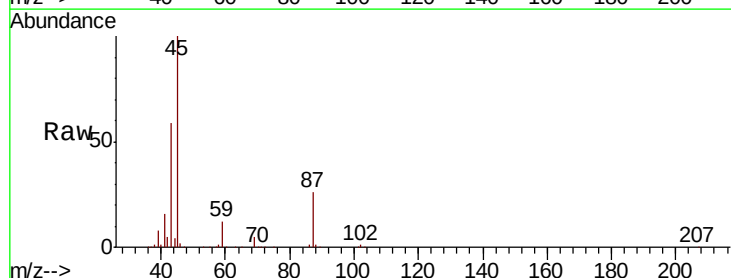
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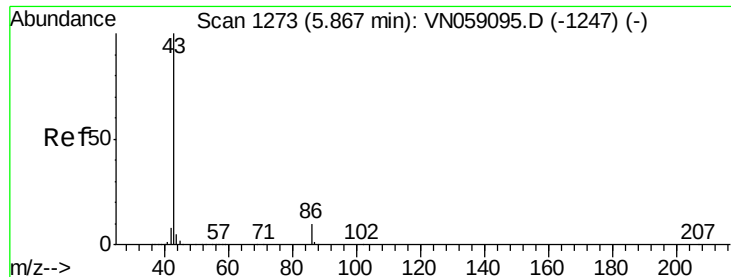


#22

Diisopropyl ether
Concen: 52.164 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.7	70.1
87	26.3	20.5	30.7
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 279.671 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 3122134

Ion Ratio Lower Upper

43 100

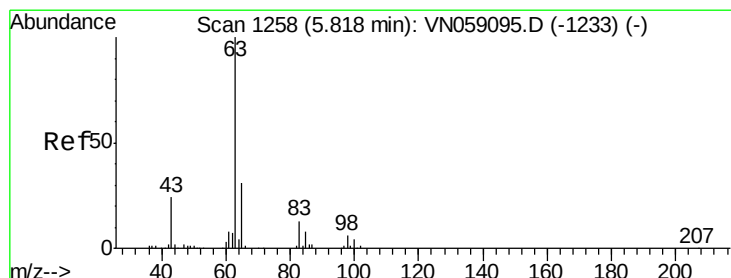
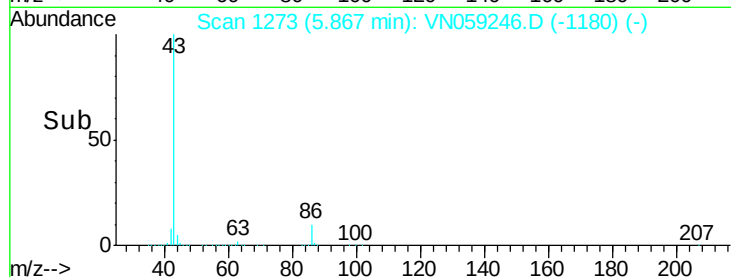
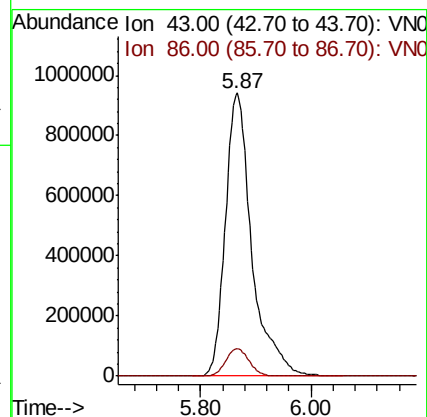
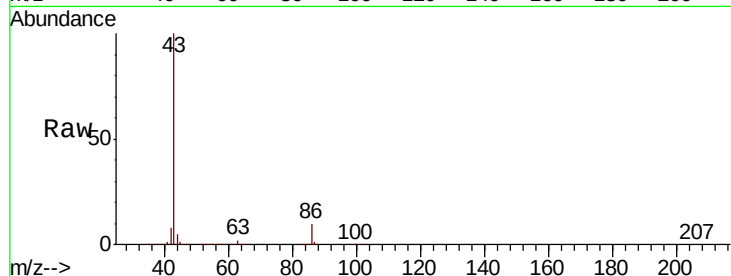
86 9.8 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 50.664 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

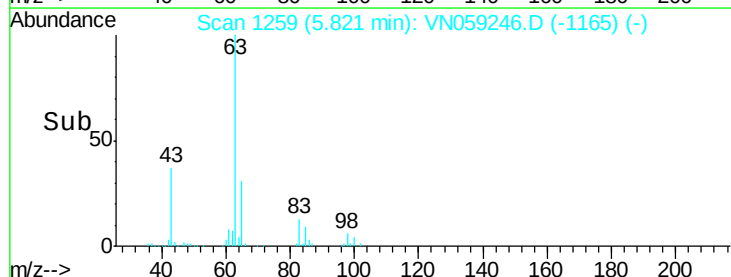
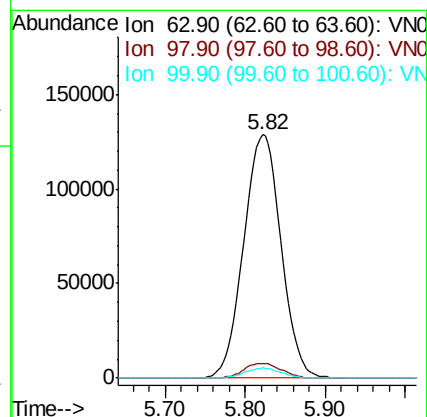
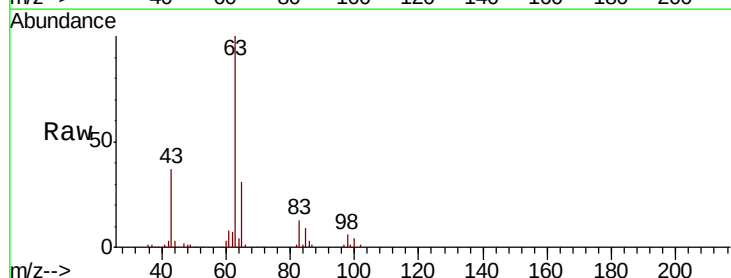
Tgt Ion: 63 Resp: 407603

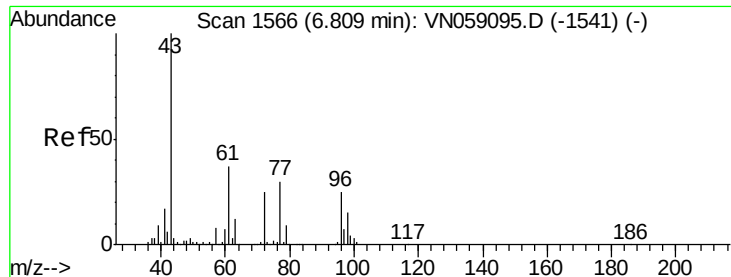
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 257.394 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 863008

Ion Ratio Lower Upper

43 100

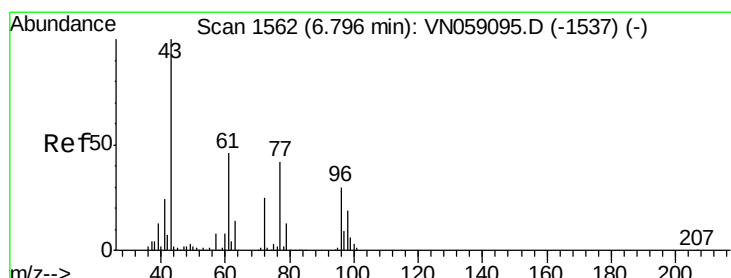
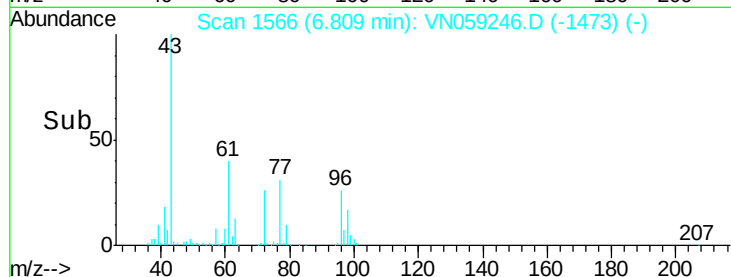
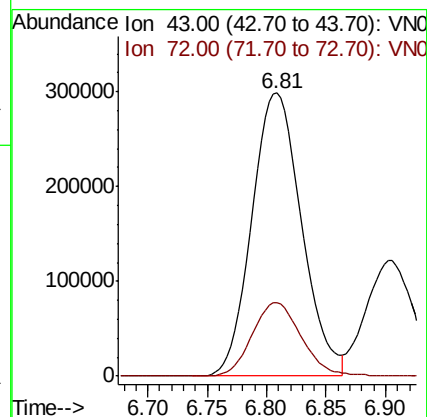
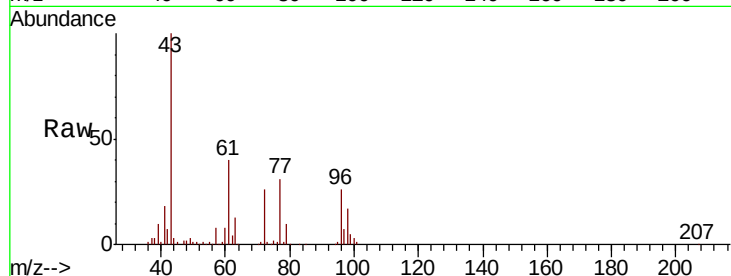
72 26.0 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 47.332 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059246.D

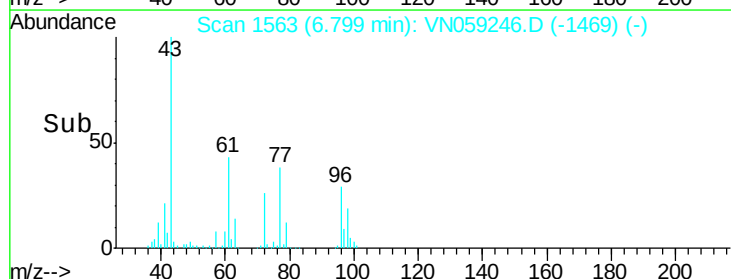
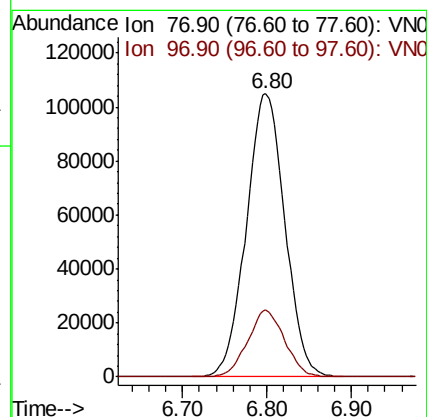
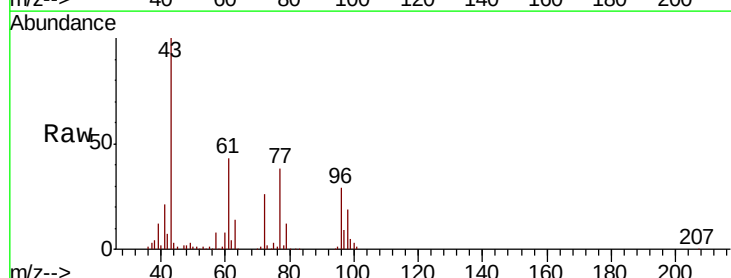
Acq: 14 Nov 2019 19:46

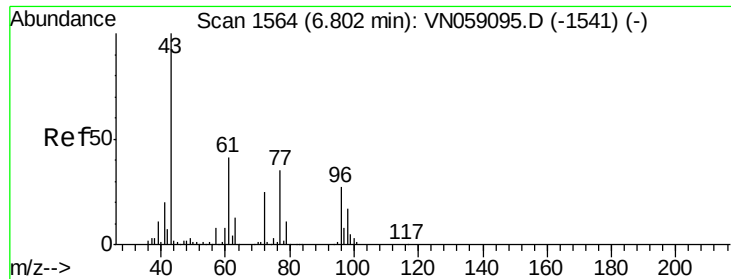
Tgt Ion: 77 Resp: 332973

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.209 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

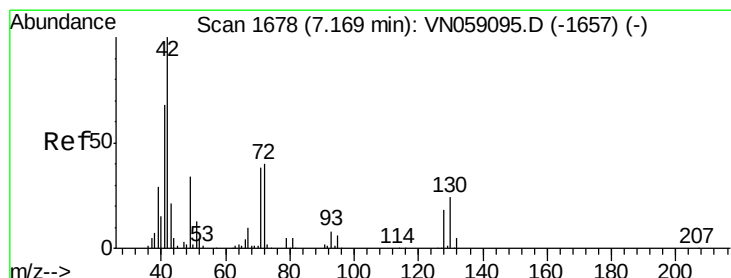
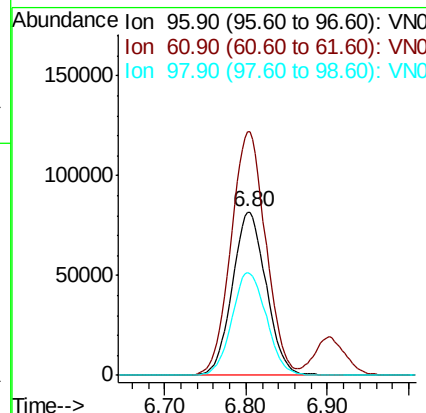
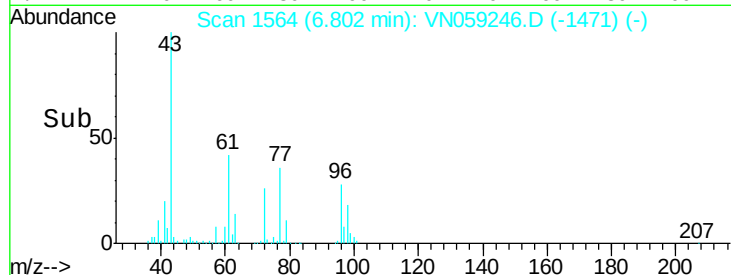
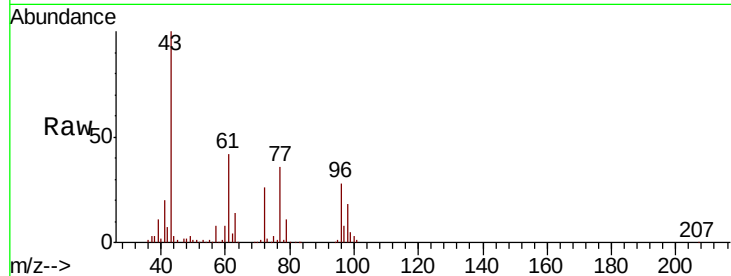
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	236750
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	311.6
98	64.1	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.461 ug/l

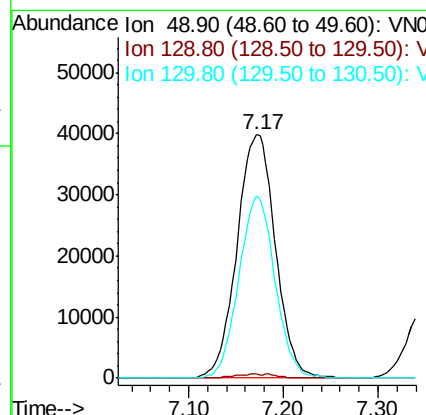
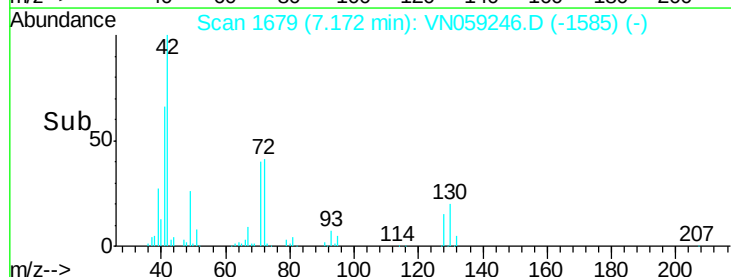
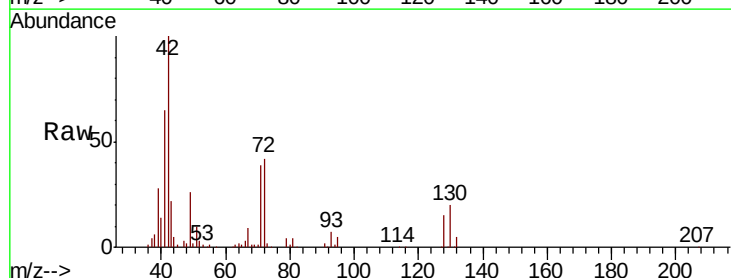
RT: 7.17 min Scan# 1679

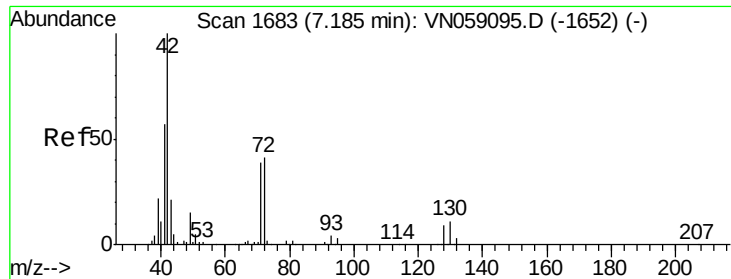
Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	49	Resp:	112457
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	70.3	55.6	83.4





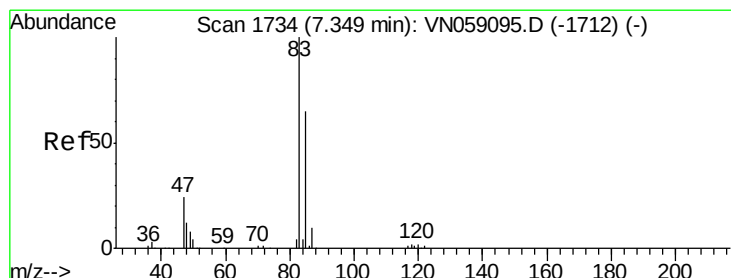
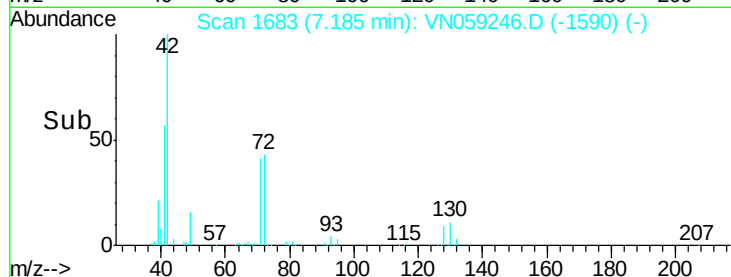
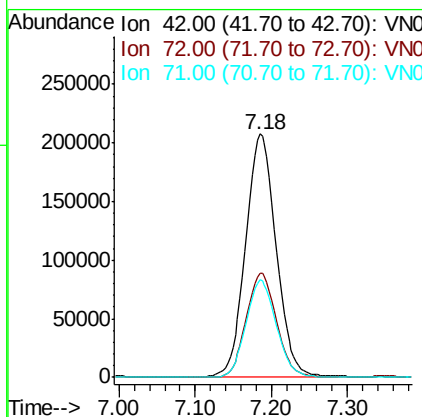
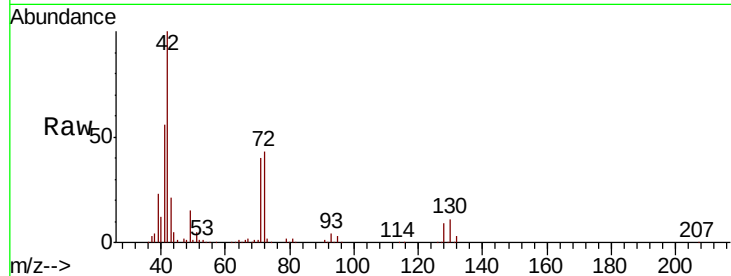
#29
Tetrahydrofuran
Concen: 272.767 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.1	49.7
71	39.7	30.9	46.3

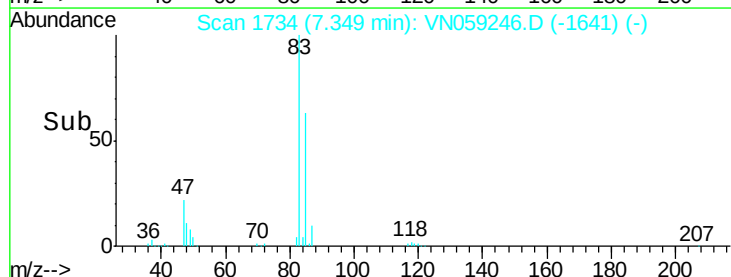
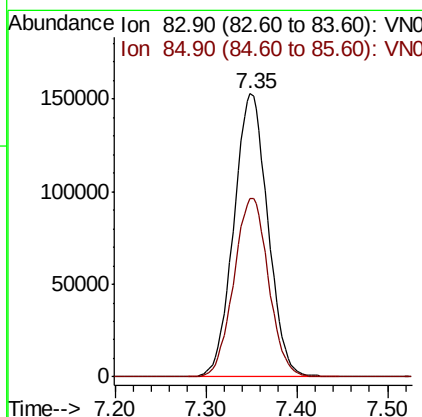
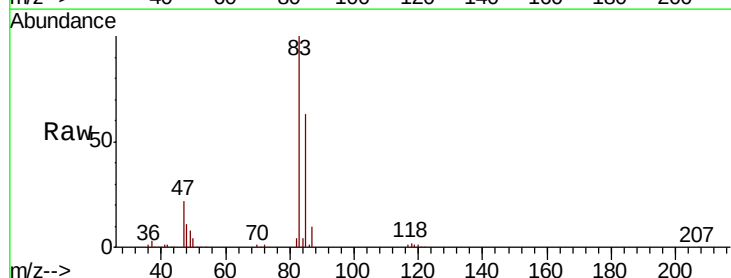
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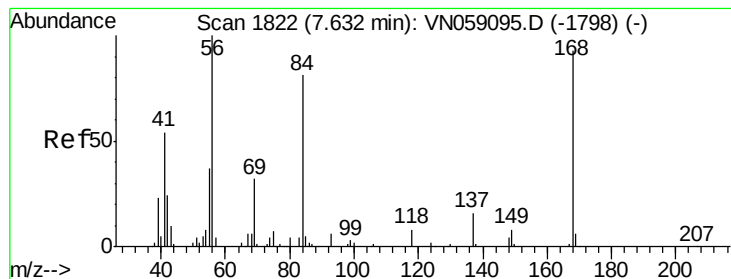
MMDadoda
11/15/2019 11:39:53 AM



#30
Chloroform
Concen: 51.476 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8





#31

Cyclohexane

Concen: 44.455 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

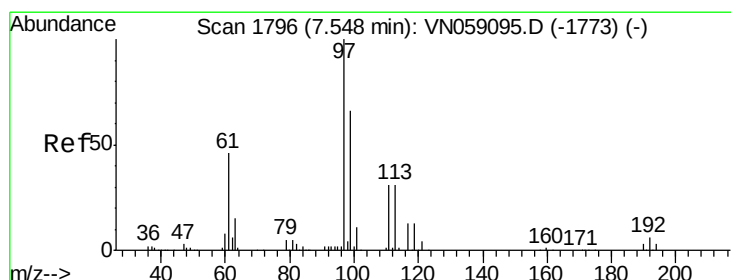
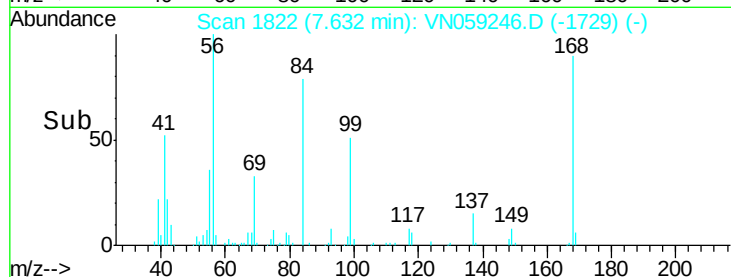
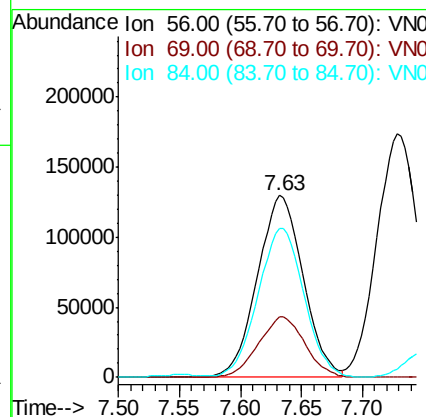
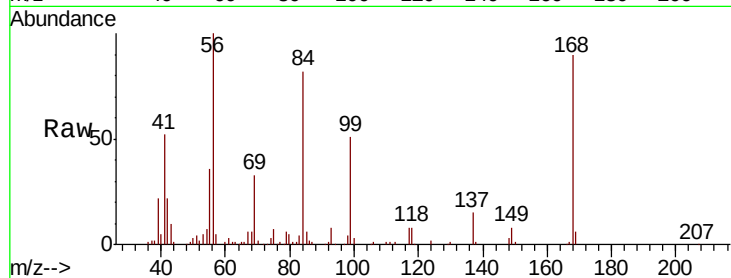
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.8	38.8
84	81.0	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.463 ug/l

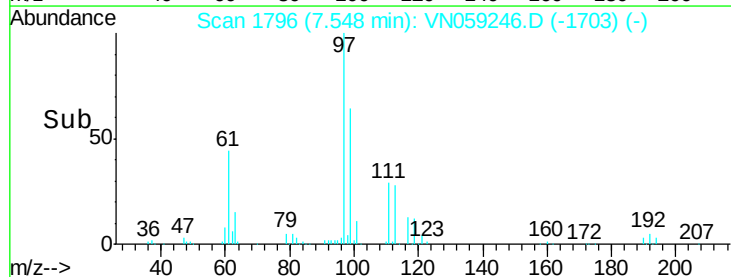
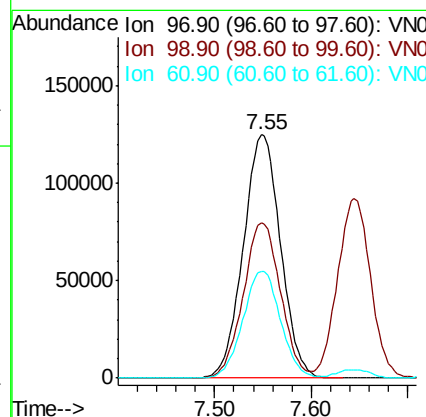
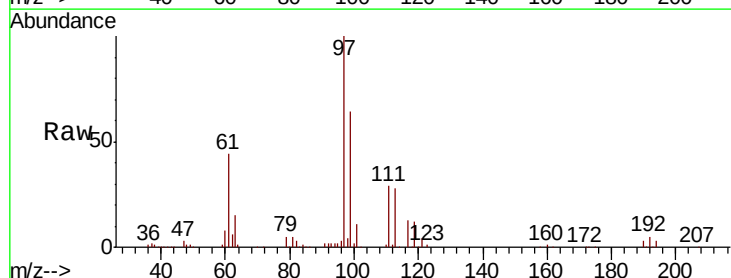
RT: 7.55 min Scan# 1796

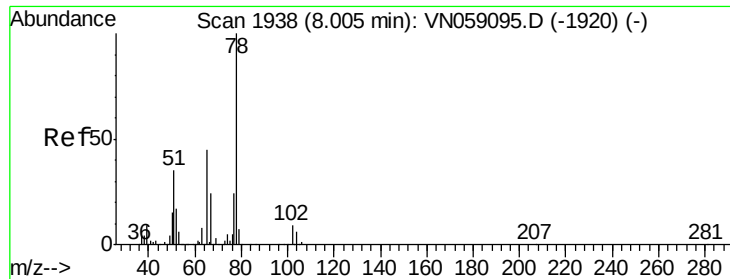
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	44.4	35.8	53.8





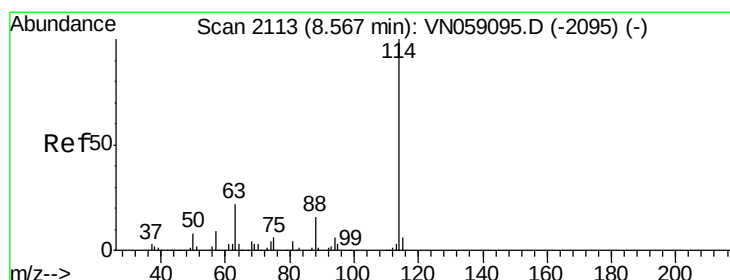
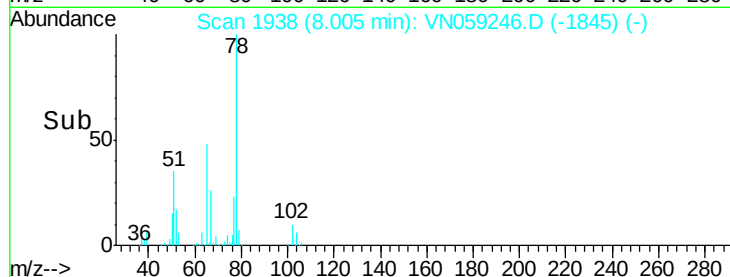
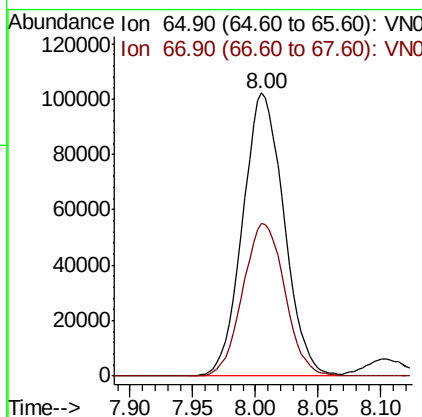
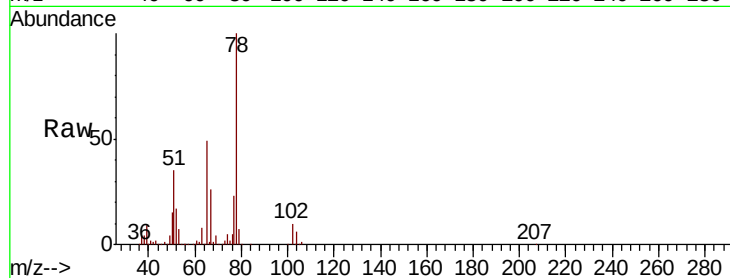
#33
 1,2-Dichloroethane-d4
 Concen: 48.014 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	107.4	

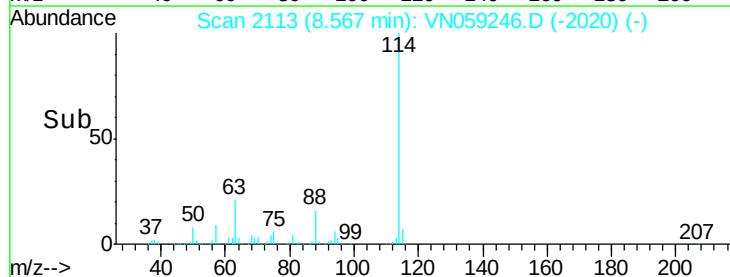
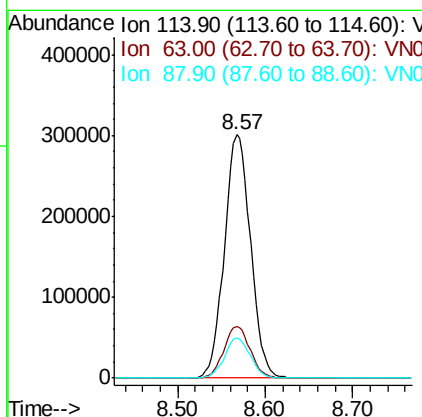
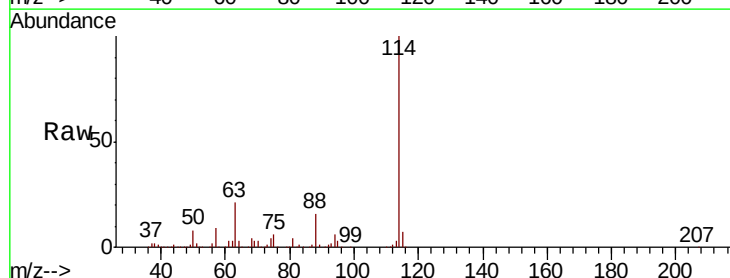
Manual Integrations
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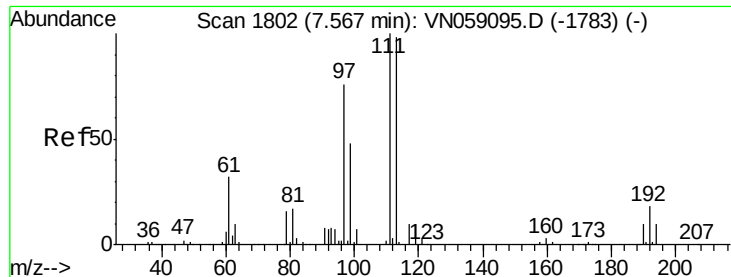
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	43.4	
88	16.2	0.0	32.2	





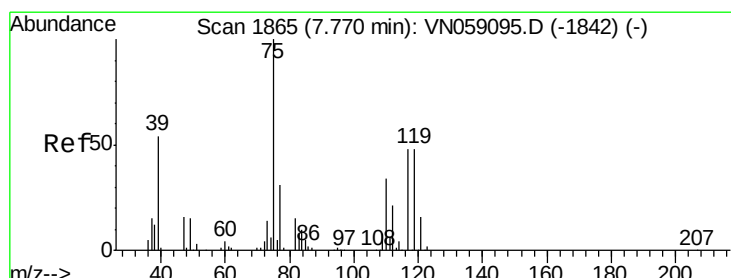
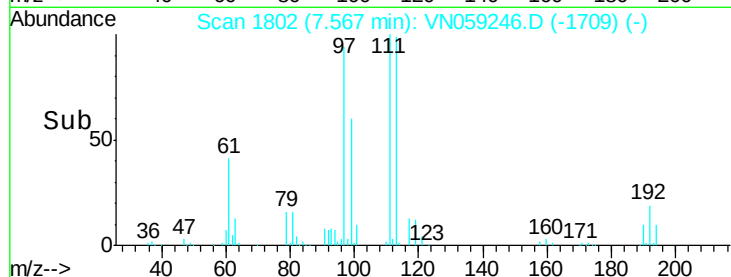
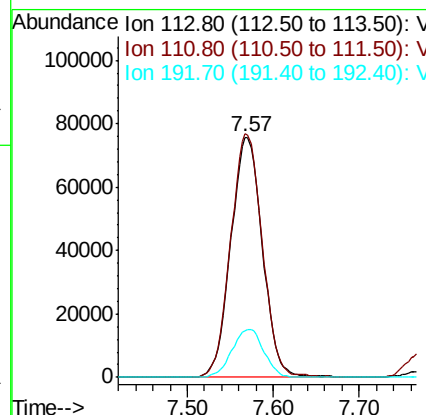
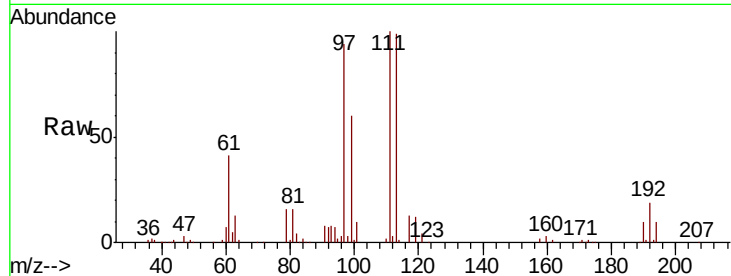
#35
 Dibromofluoromethane
 Concen: 51.664 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192735		
111	101.6	82.8	124.2	
192	20.1	16.1	24.1	

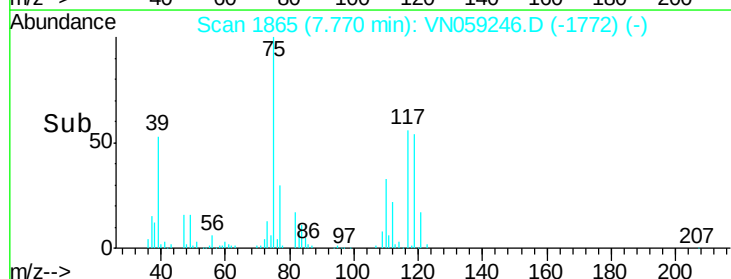
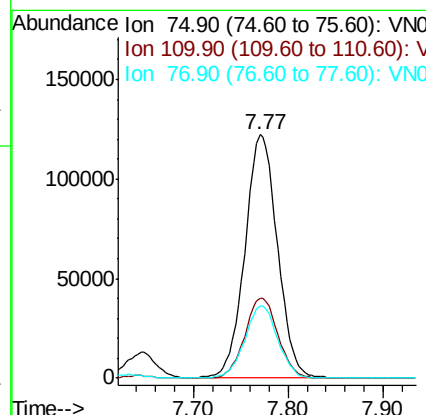
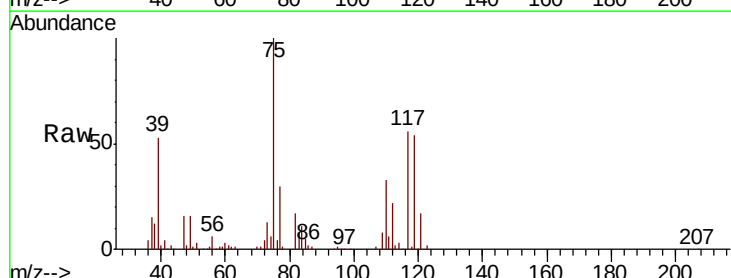
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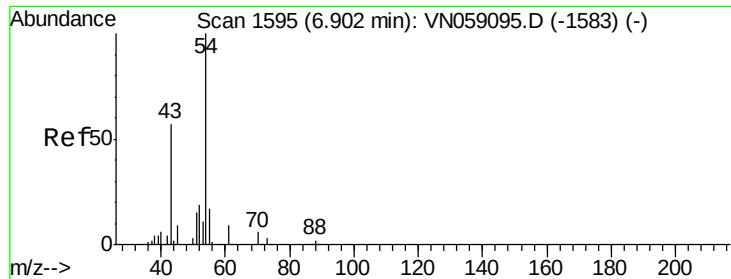
MMDadoda
 11/15/2019 11:39:53 AM



#36
 1,1-Dichloropropene
 Concen: 49.824 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290965		
110	33.5	17.1	51.2	
77	30.3	24.8	37.2	





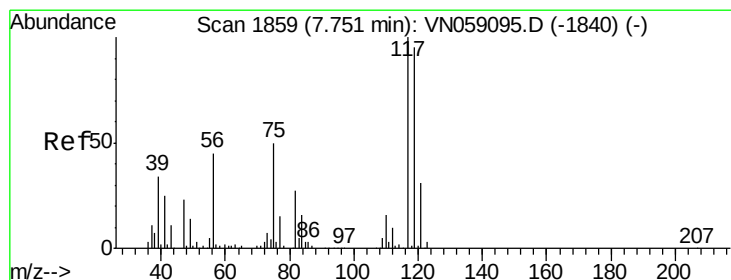
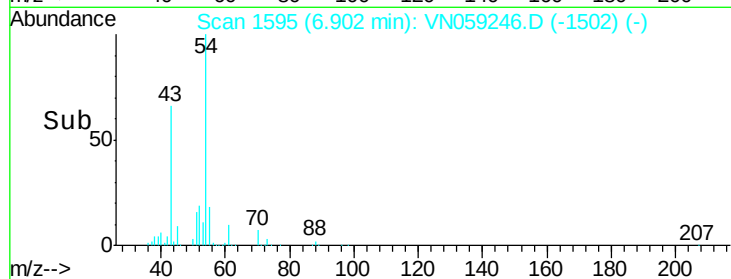
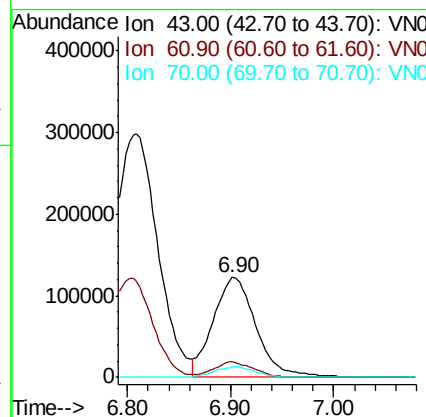
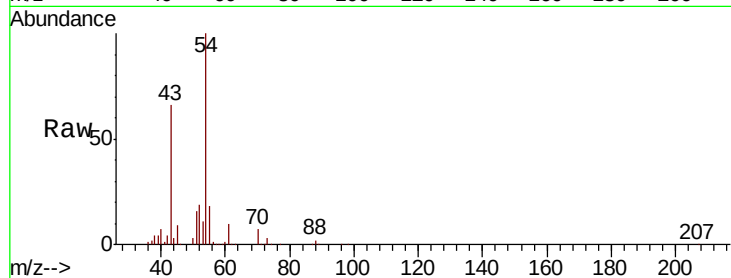
#37
Ethyl Acetate
Concen: 53.532 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	10.1	7.8	11.8

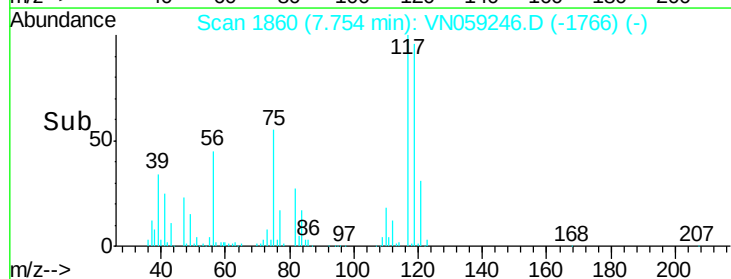
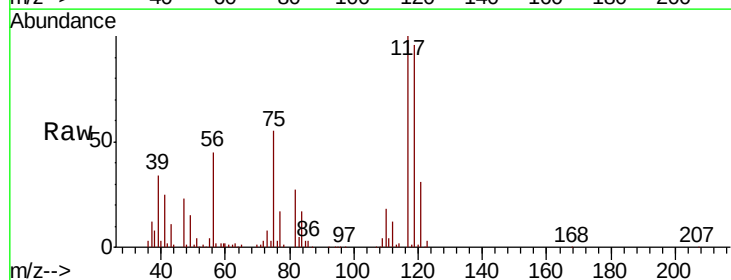
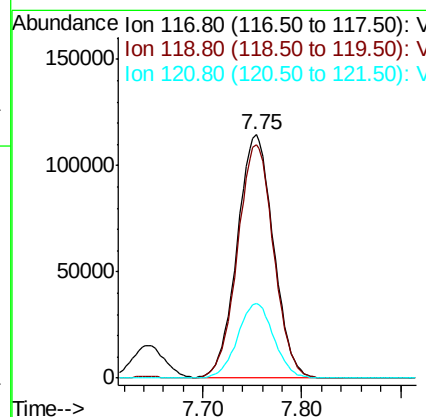
Manual Integrations
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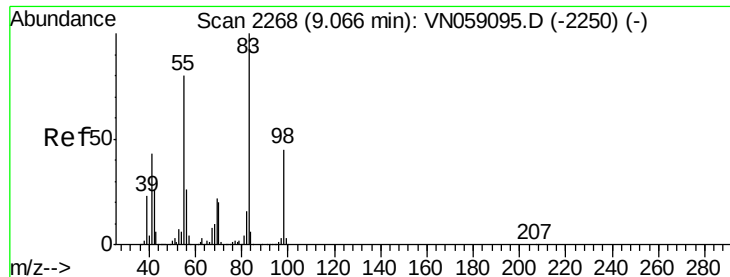
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.446 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.6	113.4
121	30.7	24.6	36.8





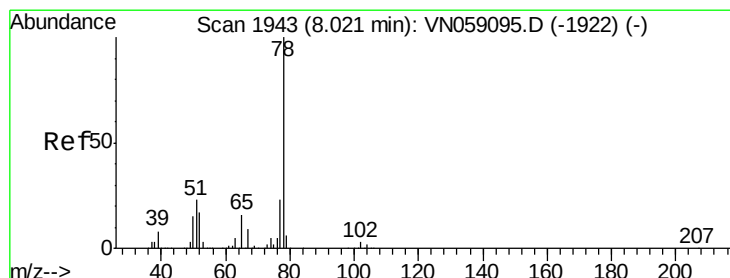
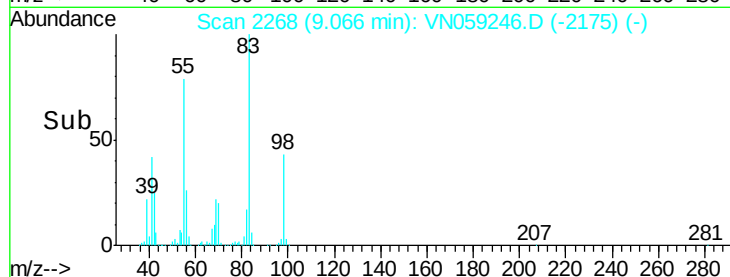
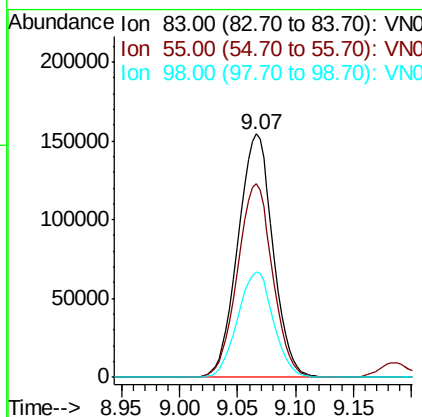
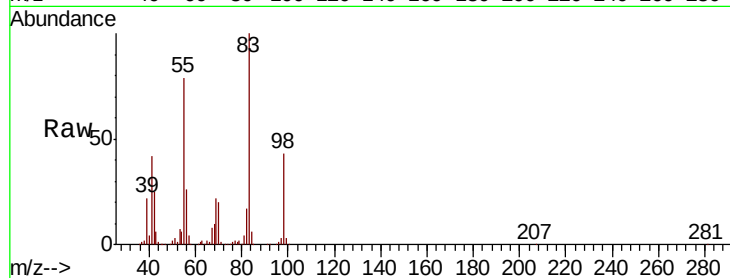
#39
Methylvlcyclohexane
Concen: 47.875 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.9	95.9
98	43.3	35.6	53.4

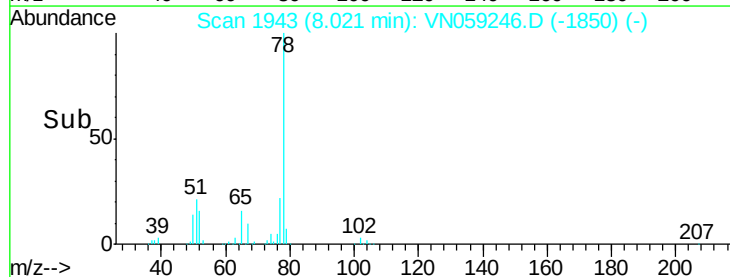
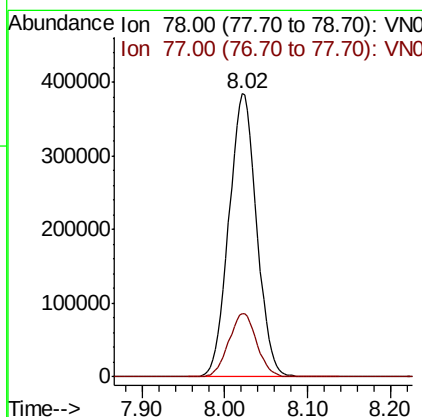
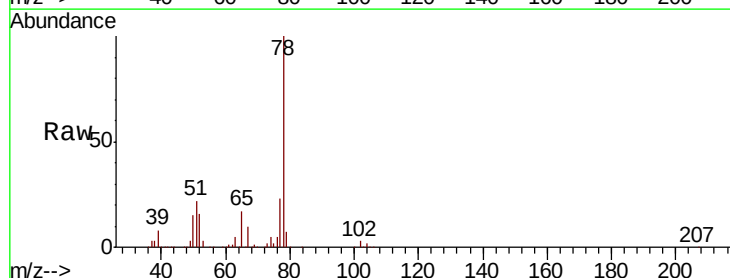
Manual Integrations
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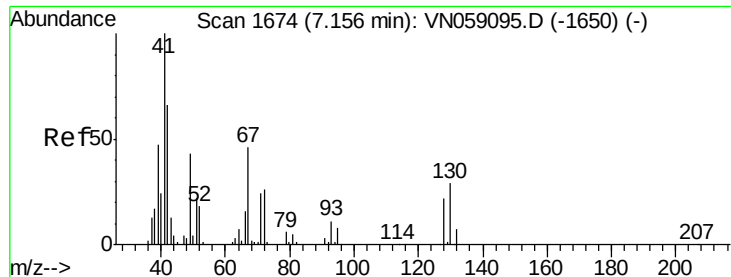
MMDadoda
11/15/2019 11:39:53 AM



#40
Benzene
Concen: 50.993 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2





#41

Methacrylonitrile

Concen: 46.516 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 131410

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

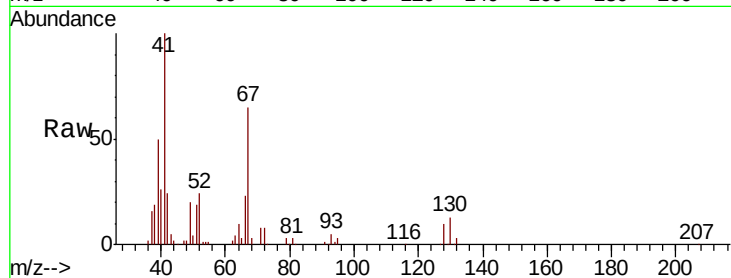
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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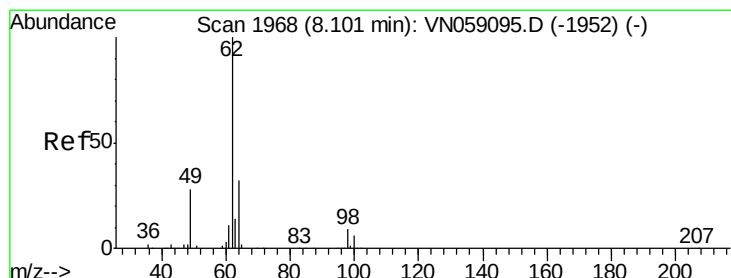
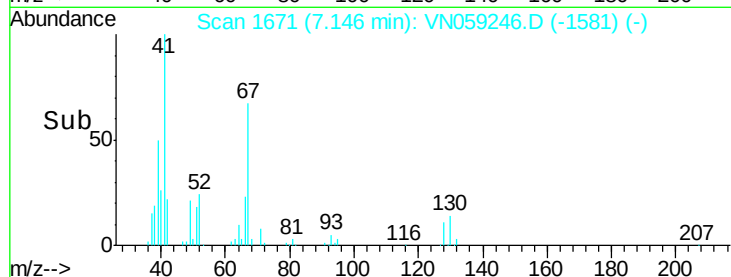
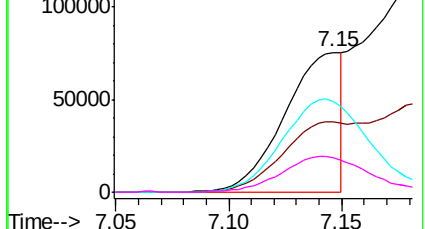


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 50.678 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059246.D

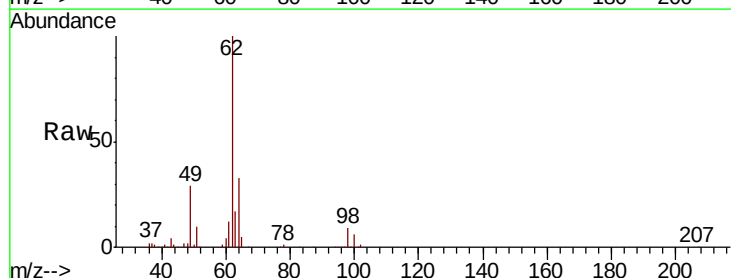
Acq: 14 Nov 2019 19:46

Tgt Ion: 62 Resp: 305664

Ion Ratio Lower Upper

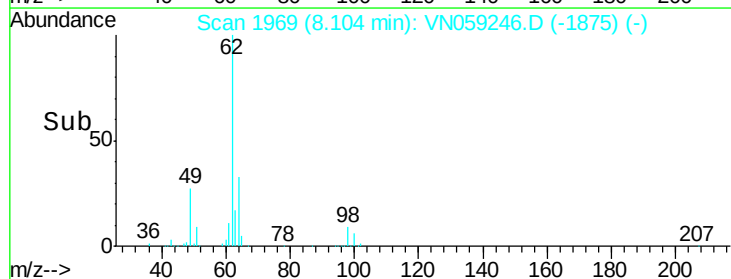
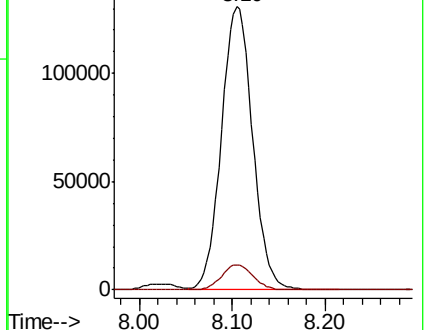
62 100

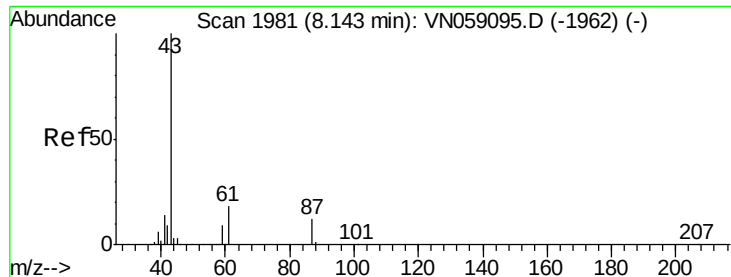
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)





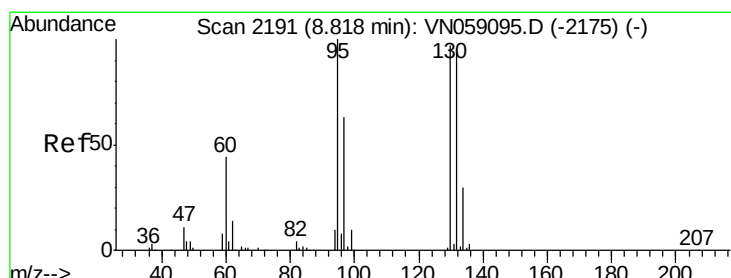
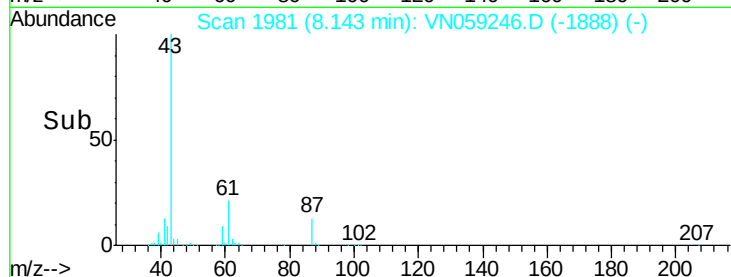
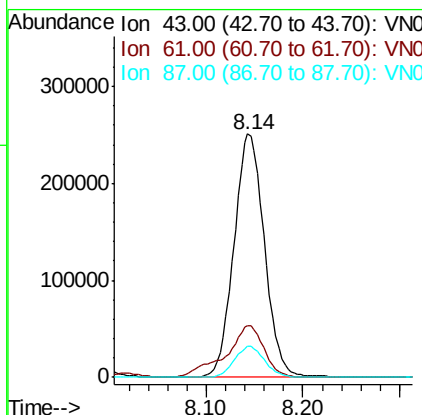
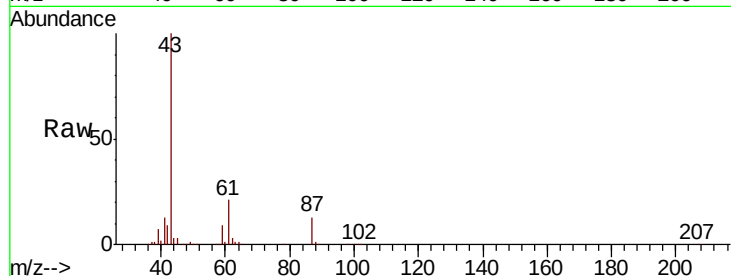
#43
Isopropyl Acetate
Concen: 52.872 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.8	9.8	14.6

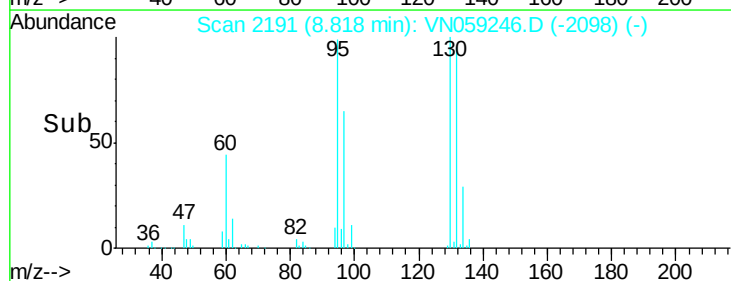
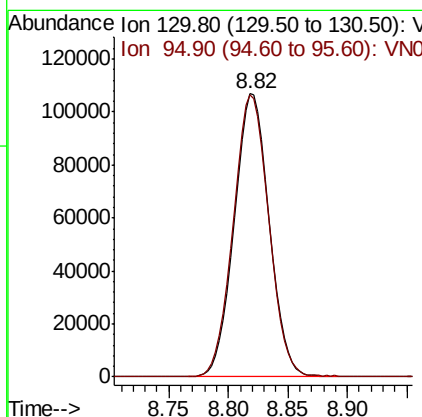
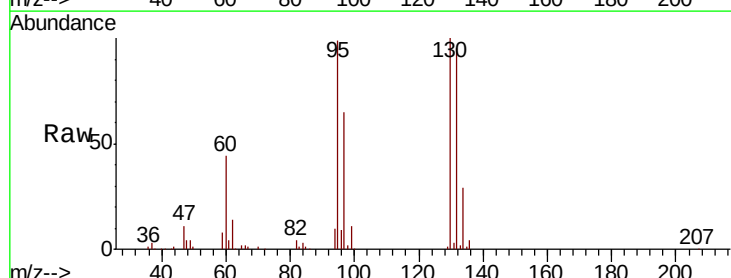
Manual Integrations
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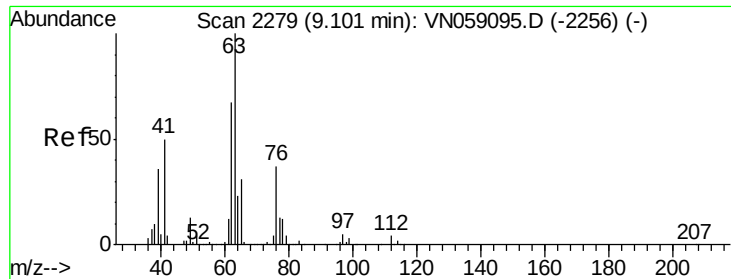
MMDadoda
11/15/2019 11:39:53 AM



#44
Trichloroethene
Concen: 50.423 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	206.4





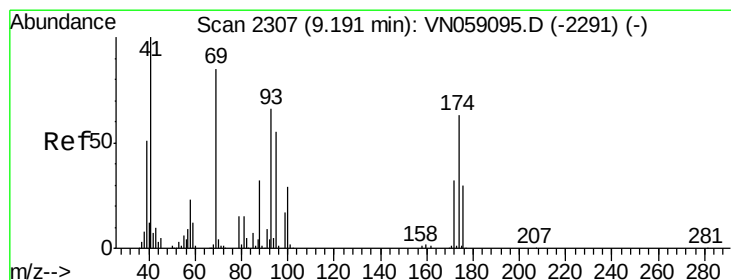
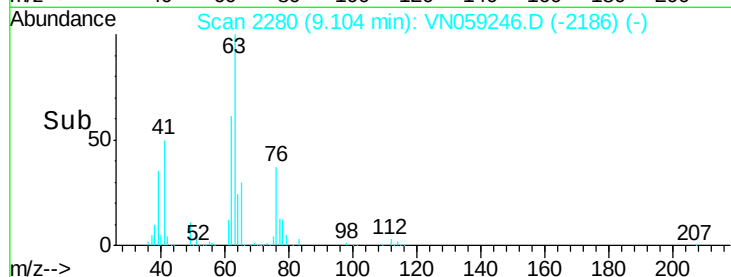
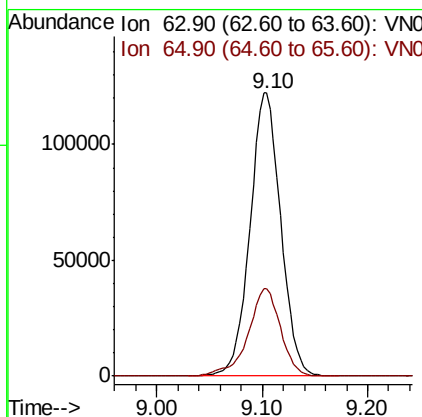
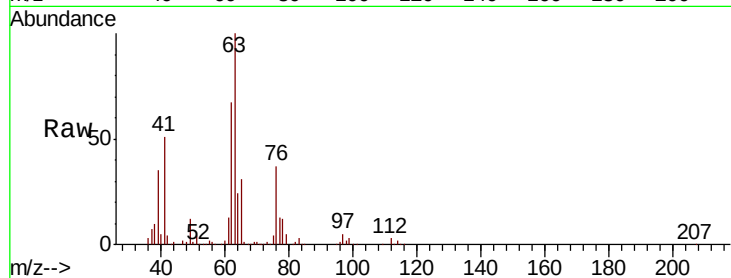
#45
 1,2-Dichloropropane
 Concen: 52.073 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 248733
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

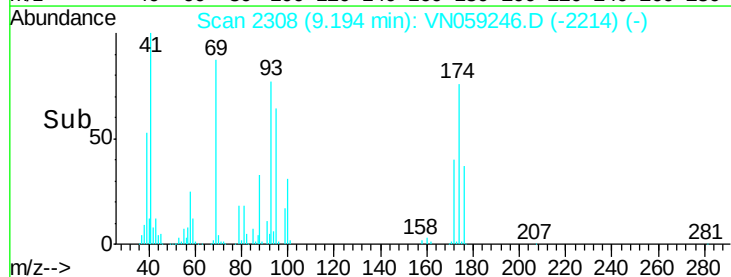
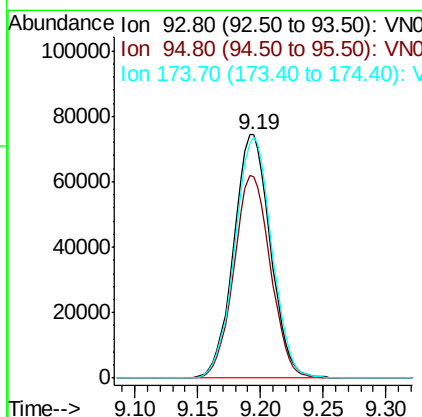
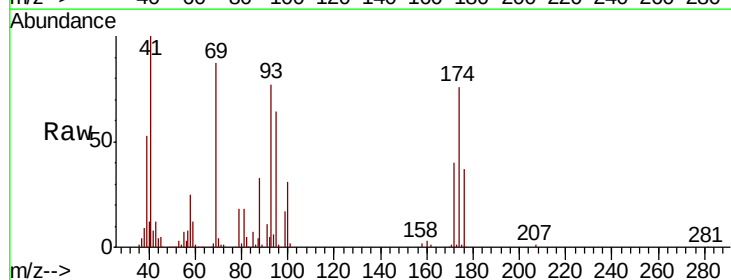
Manual Integrations
 APPROVED

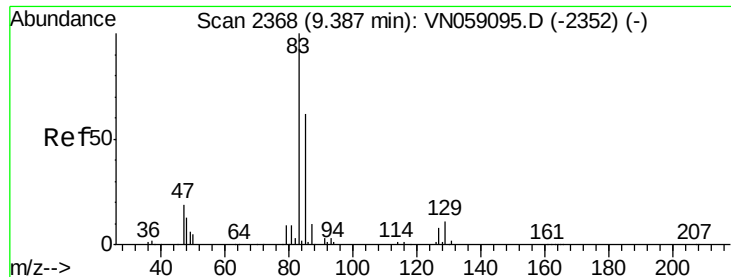
MMDadoda
 11/15/2019 11:39:53 AM



#46
 Dibromomethane
 Concen: 50.858 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 93 Resp: 151380
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 99.8 78.2 117.2





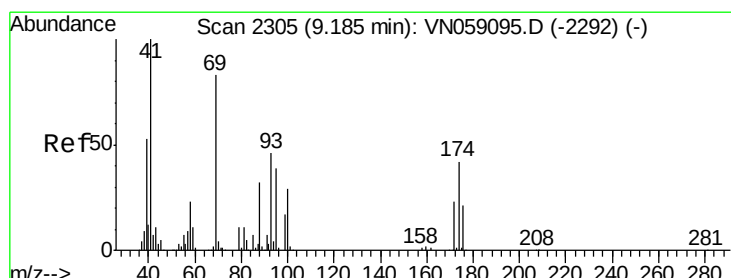
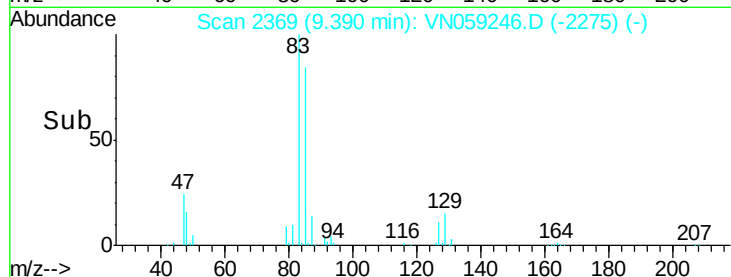
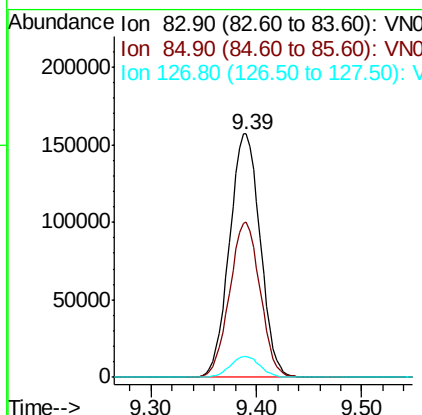
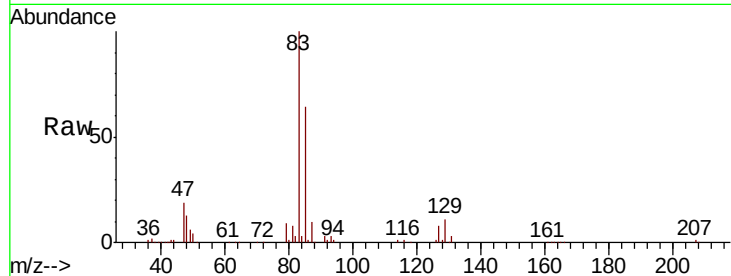
#47
Bromodichloromethane
Concen: 53.212 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	49.7	74.5	
127	8.5	6.4	9.6	

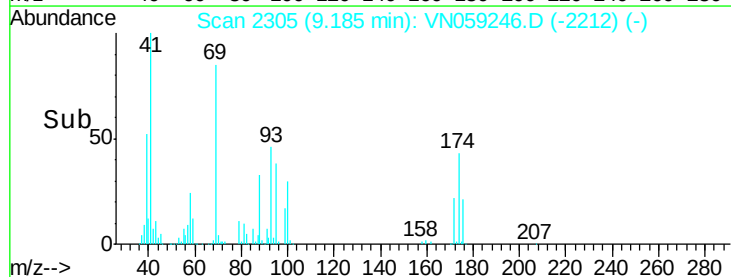
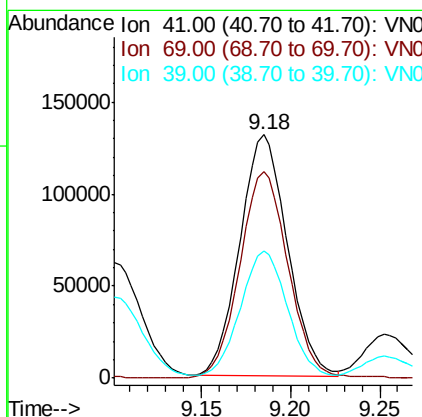
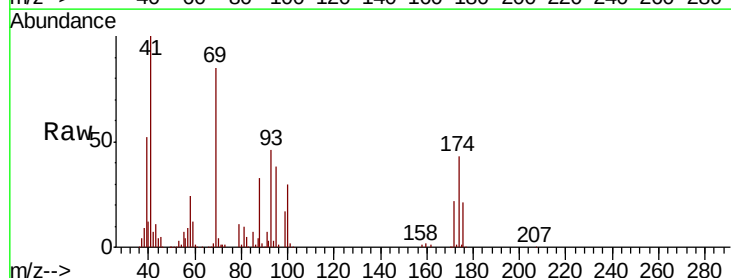
Manual Integrations
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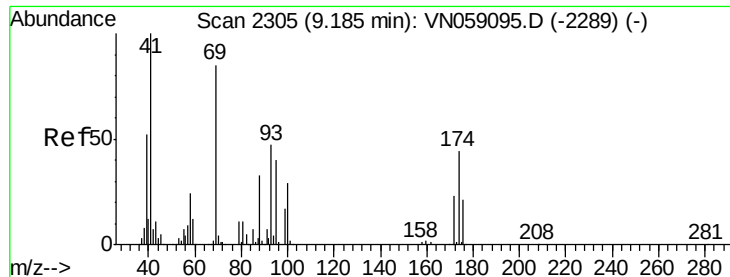
MMDadoda
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#48
Methyl methacrylate
Concen: 52.612 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.8	67.3	100.9	
39	53.0	43.3	64.9	





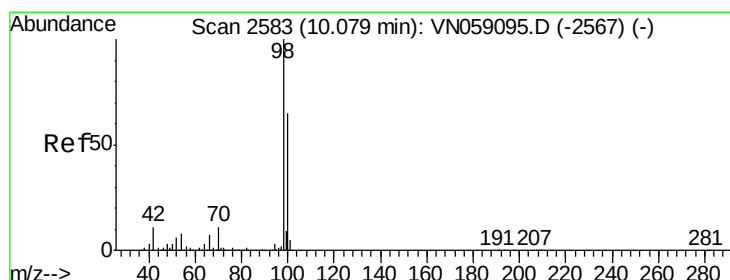
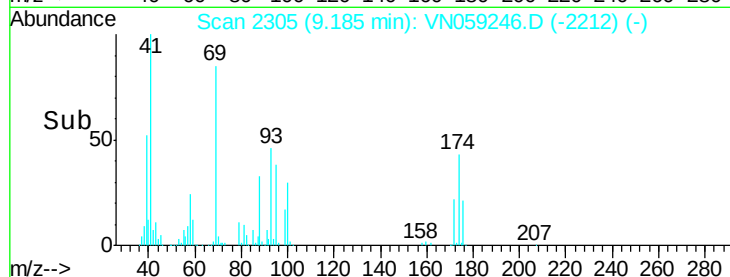
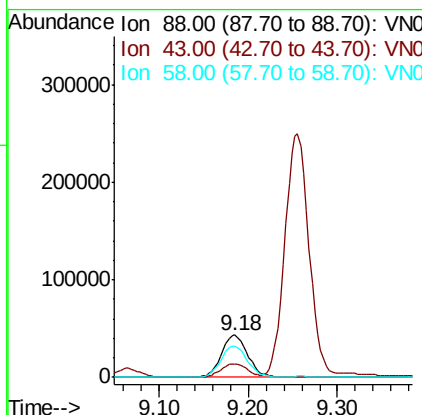
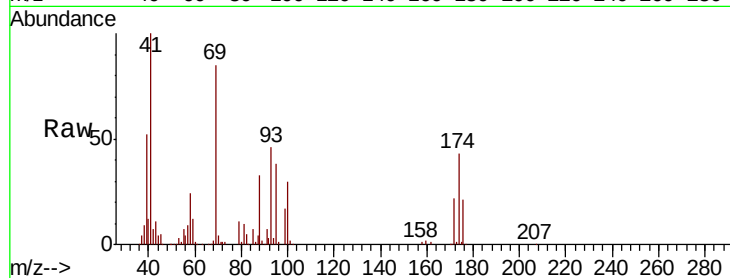
#49
1,4-Dioxane
Concen: 1081.636 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	89053
Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.3	39.5
58	73.9	60.6	90.8

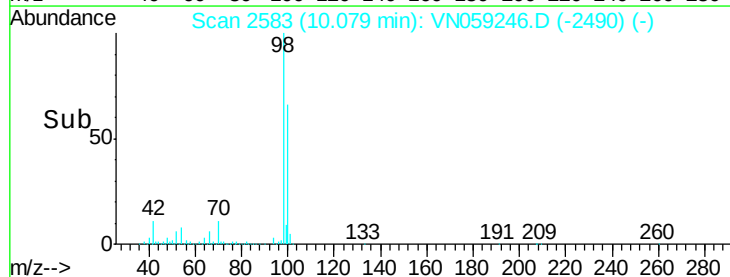
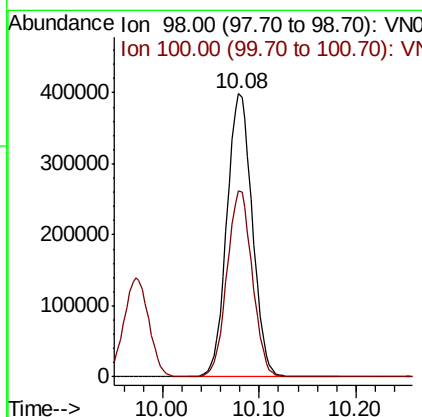
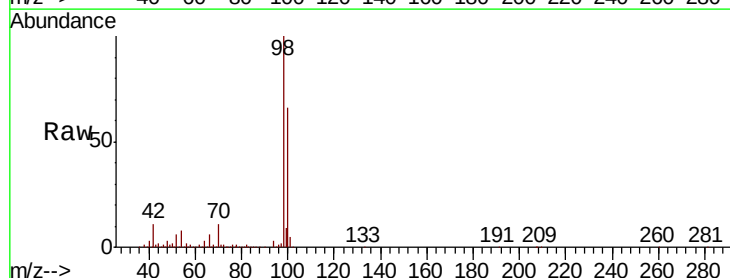
Manual Integrations
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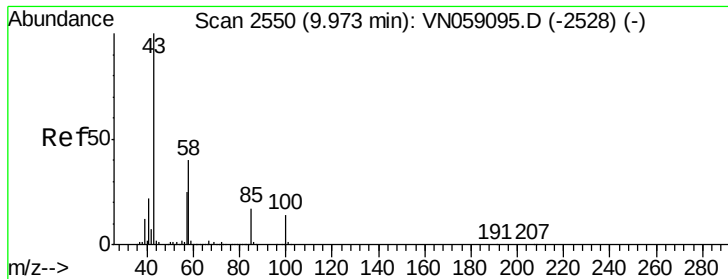
MMDadoda
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#50
Toluene-d8
Concen: 49.577 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	98	Resp	728503
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





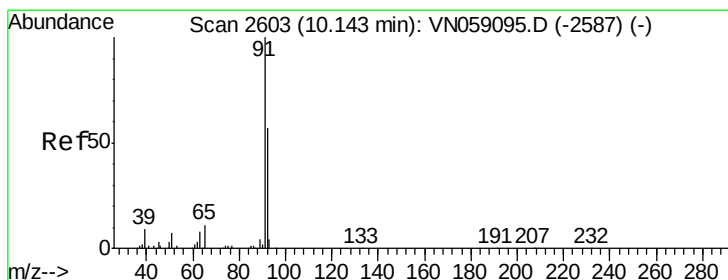
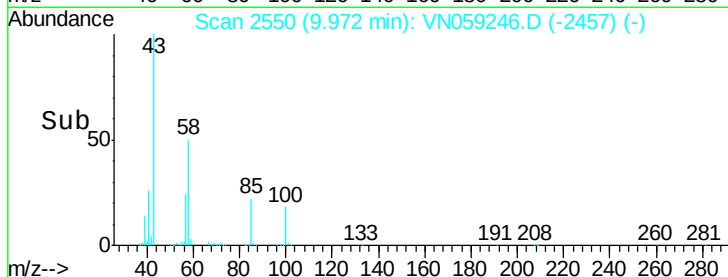
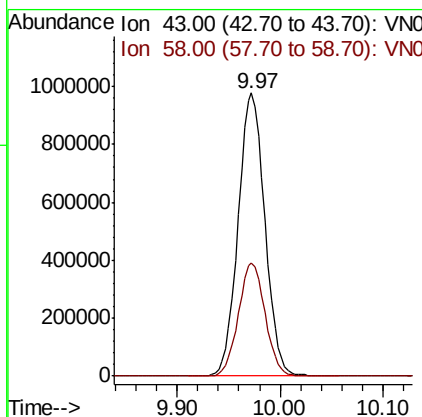
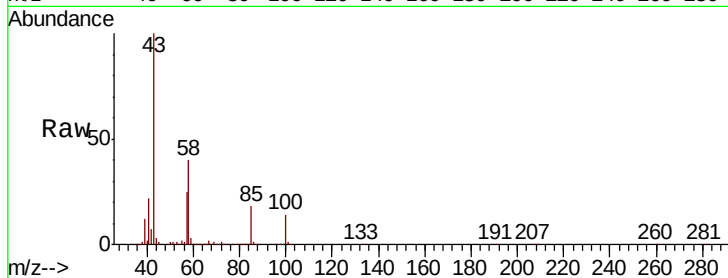
#51
4-Methyl-2-Pentanone
Concen: 301.121 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1764700
Ion Ratio Lower Upper
43 100
58 40.0 31.5 47.3

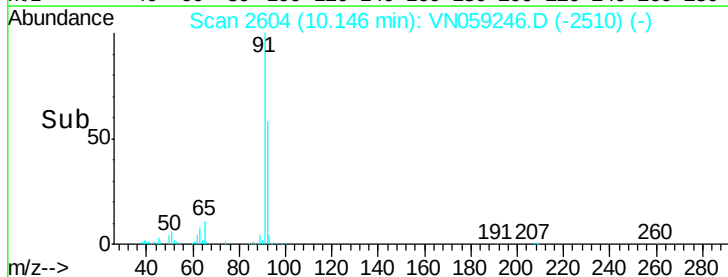
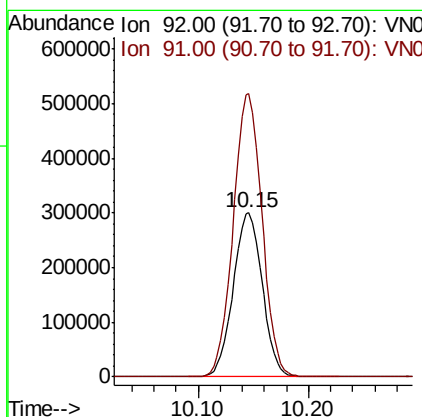
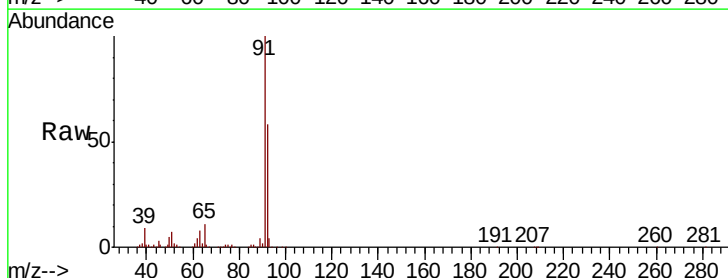
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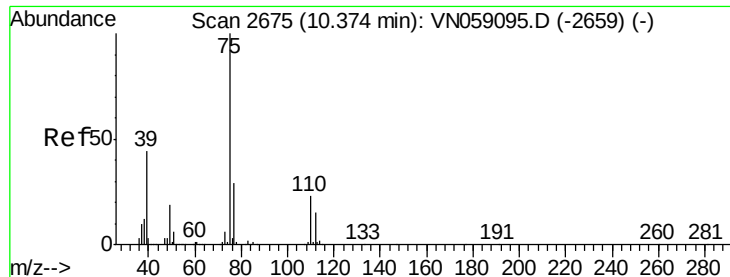
MMDadoda
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#52
Toluene
Concen: 51.940 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 92 Resp: 547467
Ion Ratio Lower Upper
92 100
91 172.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.723 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 355180

Ion Ratio Lower Upper

75 100

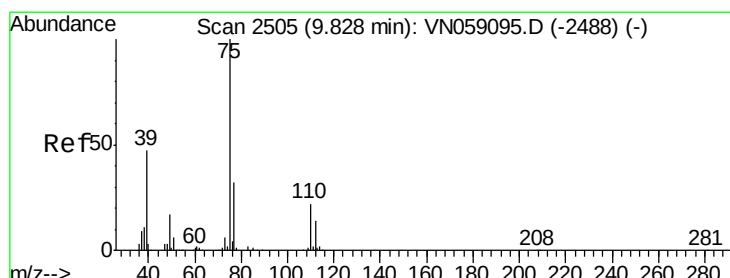
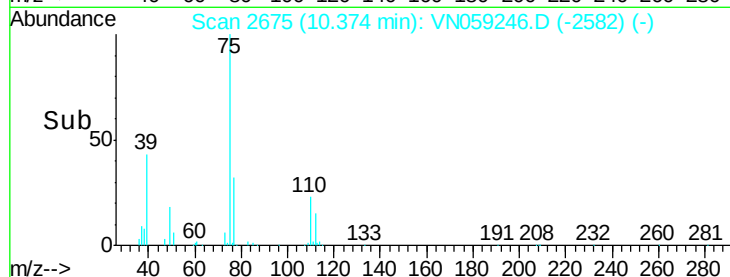
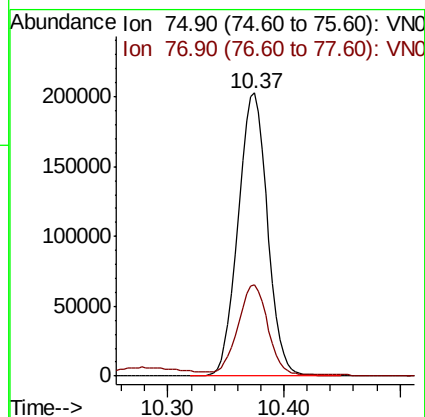
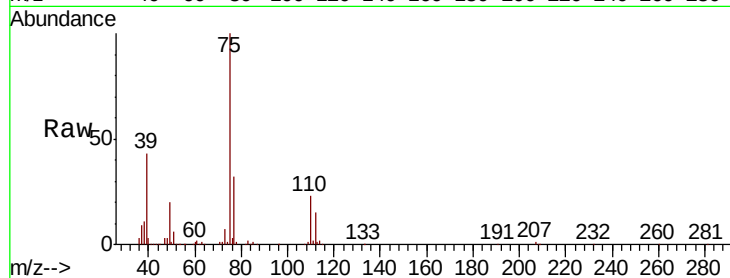
77 31.6 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.974 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

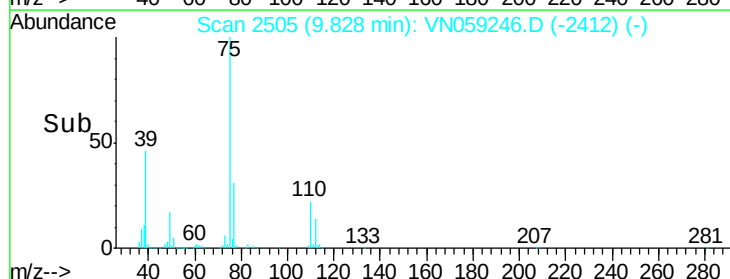
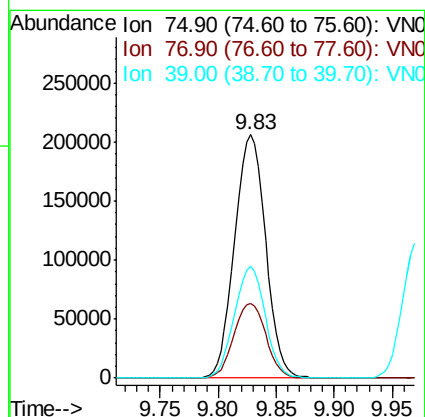
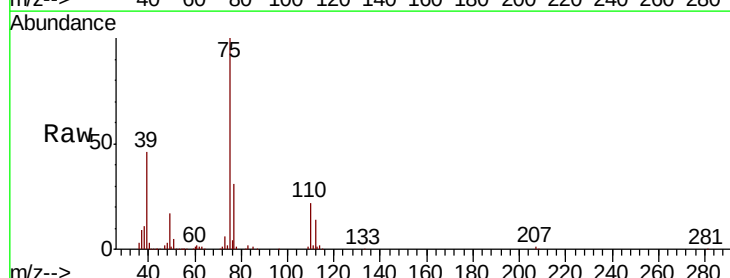
Tgt Ion: 75 Resp: 383911

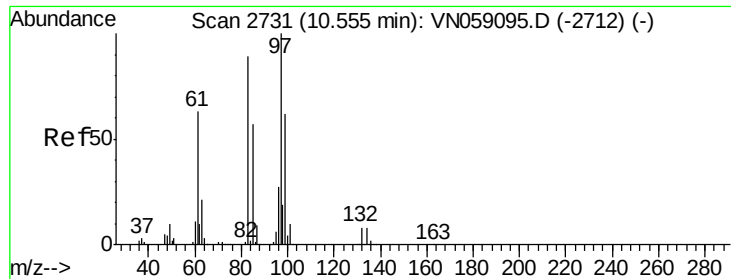
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 45.8 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 53.008 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 226122

Ion Ratio Lower Upper

97 100

83 89.4 71.0 106.4

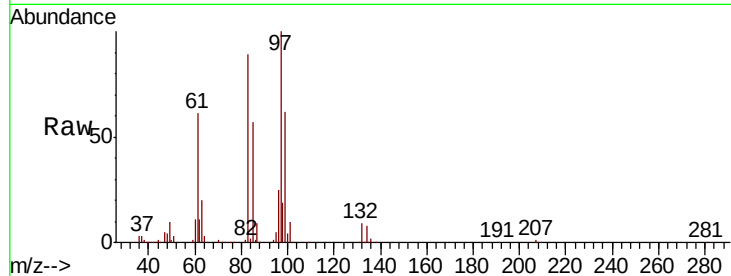
85 57.4 45.8 68.8

99 62.4 49.4 74.0

Manual Integrations
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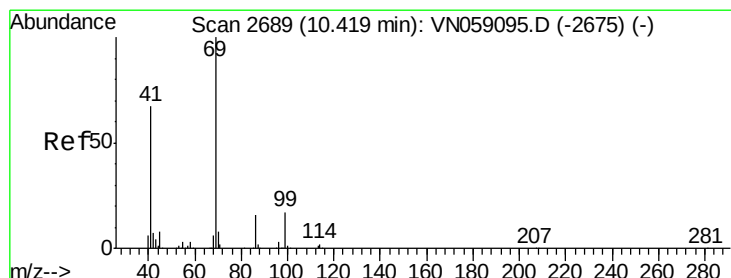
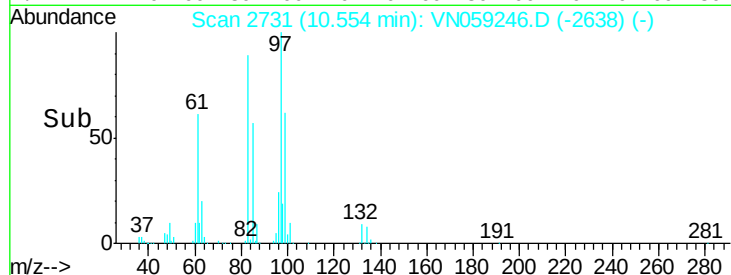
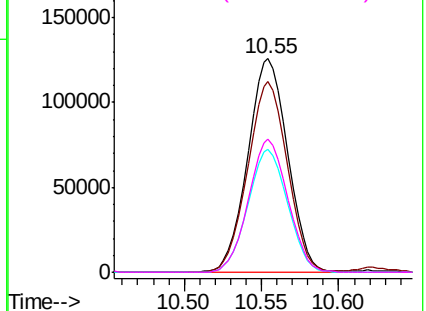
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.906 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

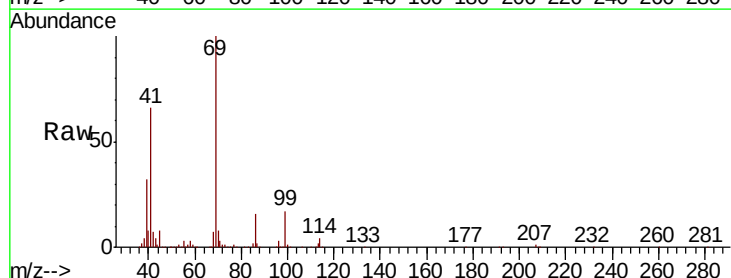
Tgt Ion: 69 Resp: 362445

Ion Ratio Lower Upper

69 100

41 65.2 53.6 80.4

39 31.5 26.2 39.4

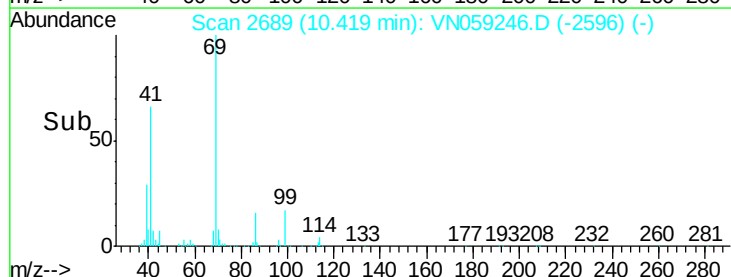
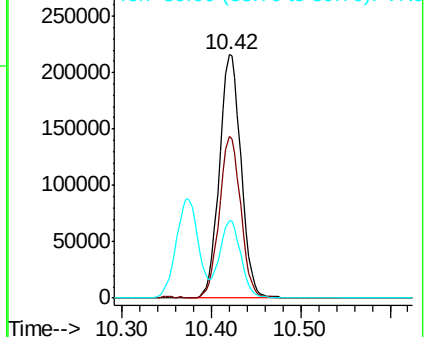


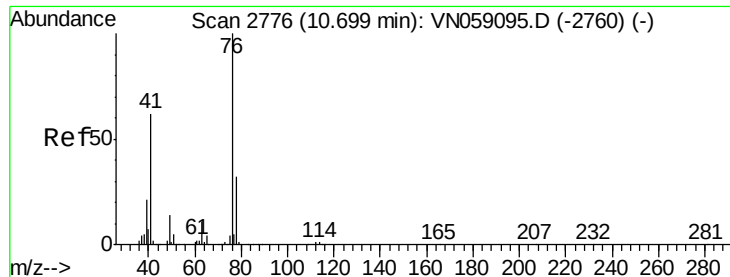
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





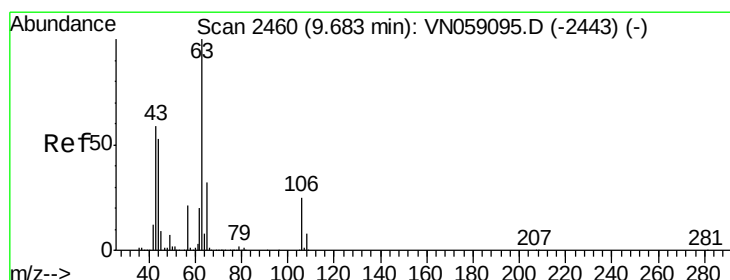
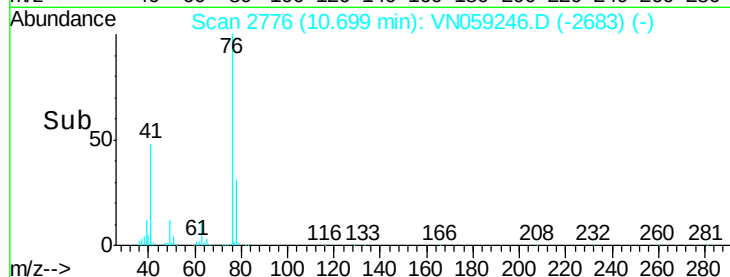
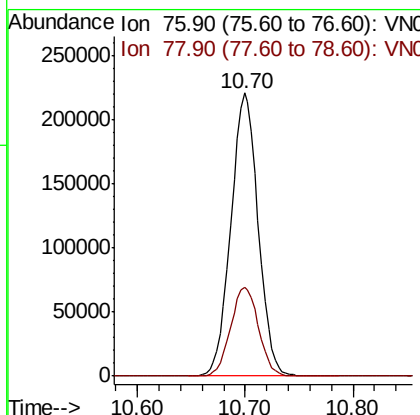
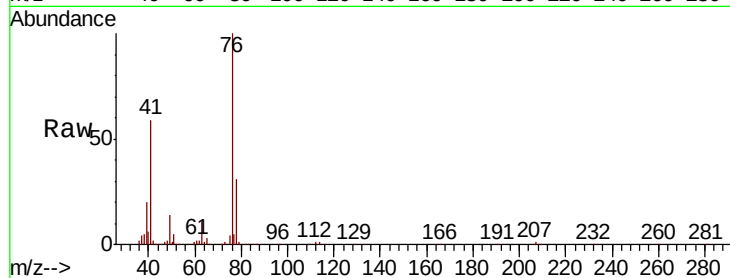
#57
 1,3-Dichloropropane
 Concen: 52.855 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

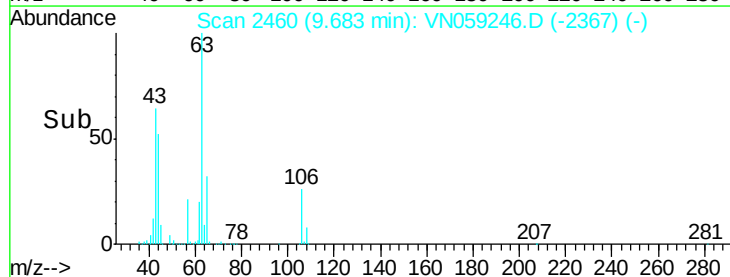
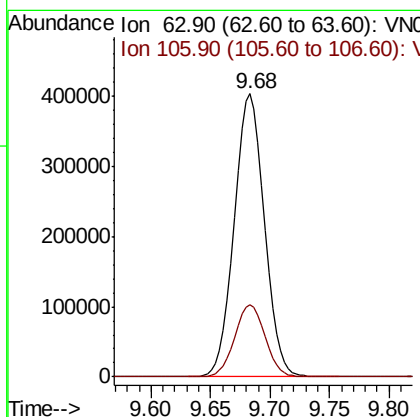
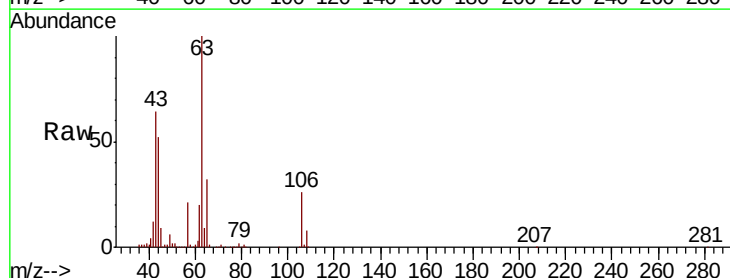
Manual Integrations
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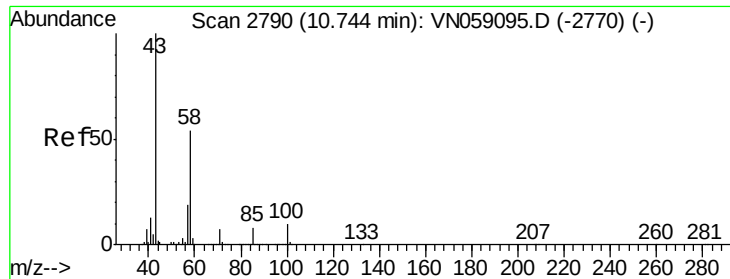
MMDadoda
 11/15/2019 11:39:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.197 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.2	30.2





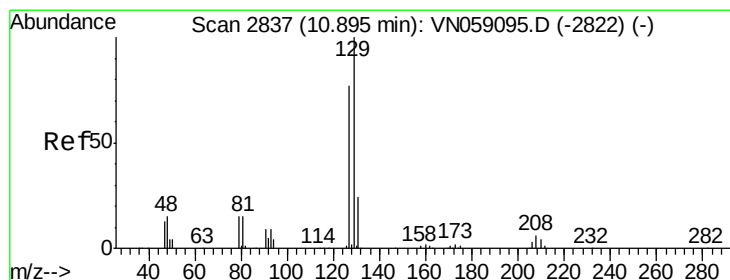
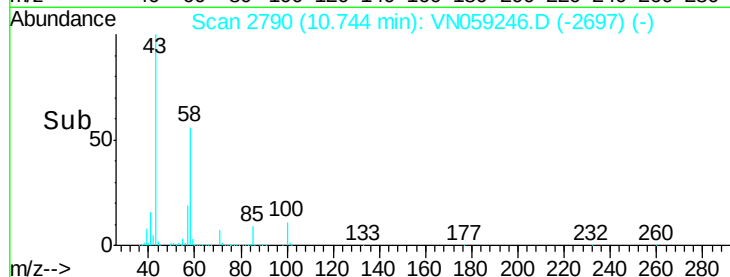
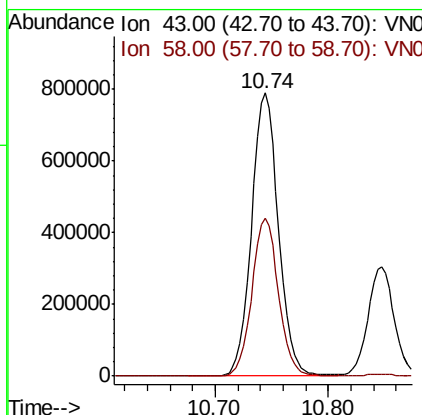
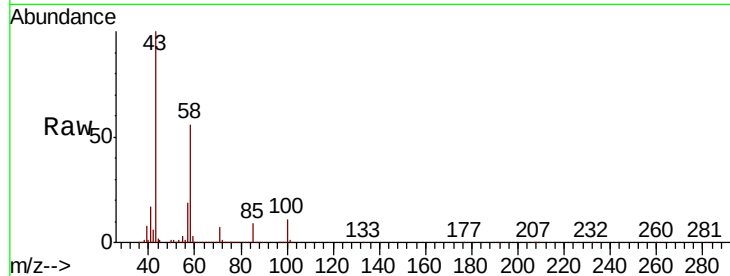
#59
2-Hexanone
Concen: 289.058 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1300228
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8

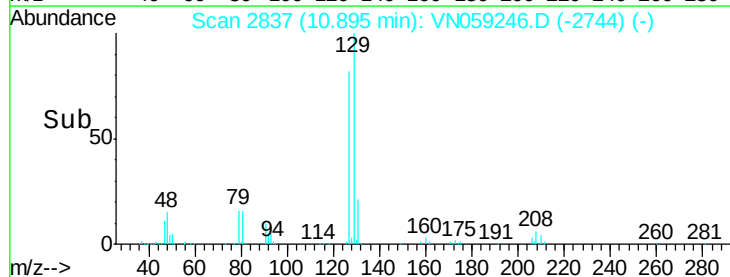
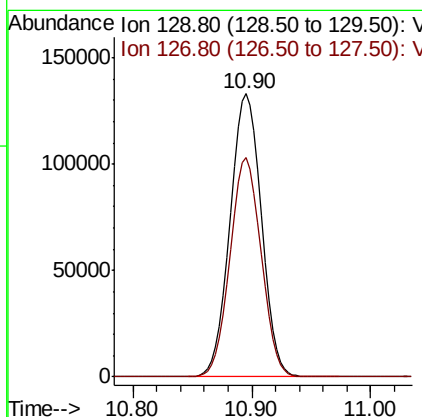
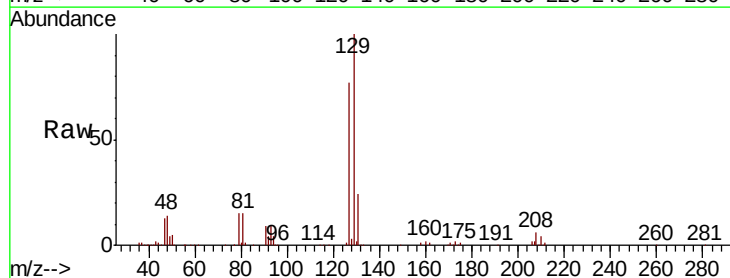
Manual Integrations
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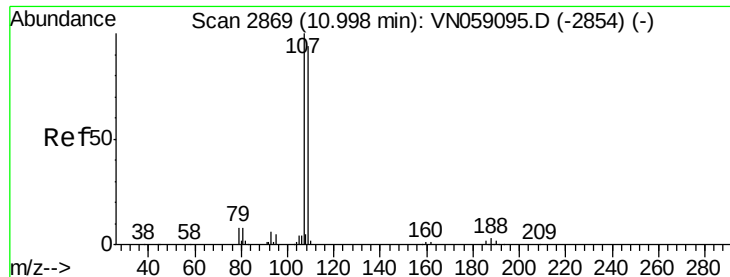
MMDadoda
11/15/2019 11:39:53 AM



#60
Dibromochloromethane
Concen: 53.960 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion: 129 Resp: 243371
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.312 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 230219

Ion Ratio Lower Upper

107 100

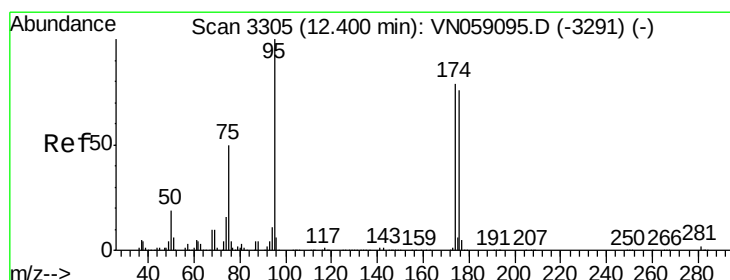
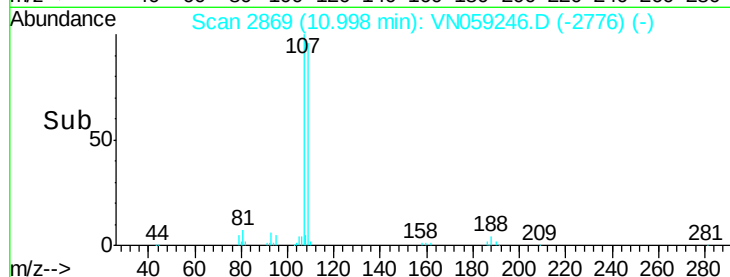
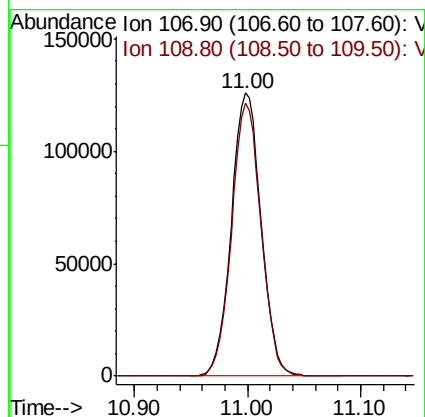
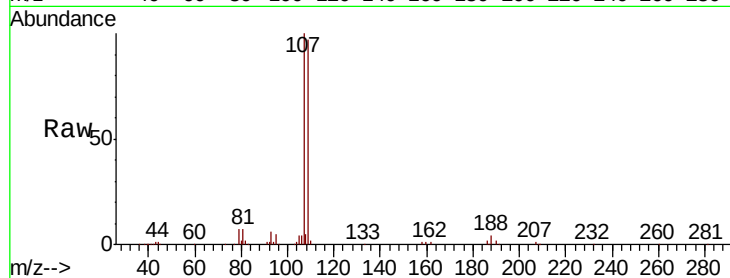
109 95.3 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 51.747 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

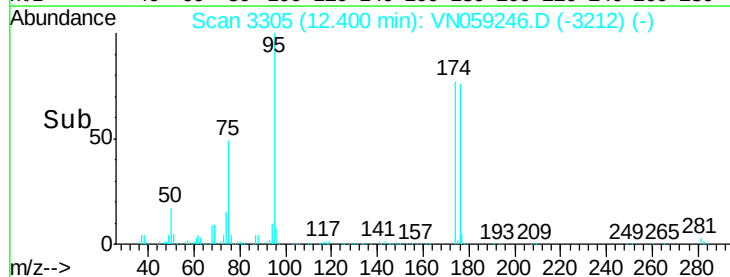
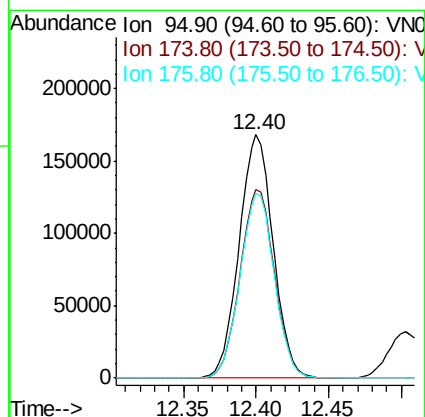
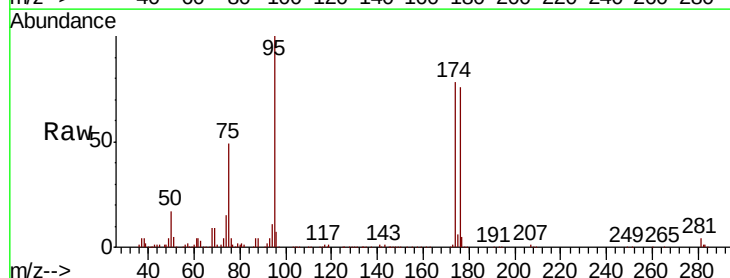
Tgt Ion: 95 Resp: 274163

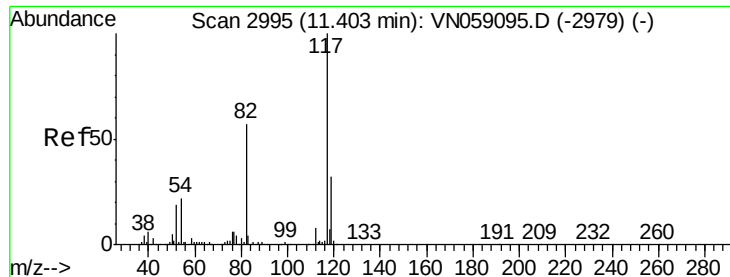
Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.2

176 76.8 0.0 151.8





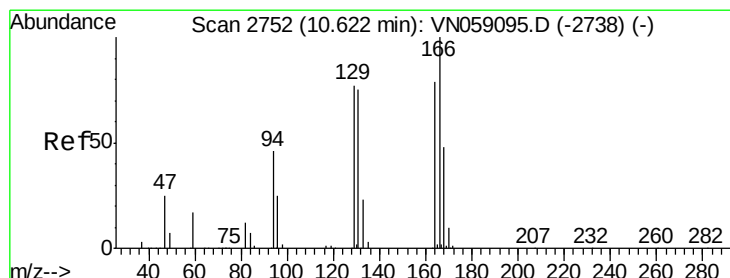
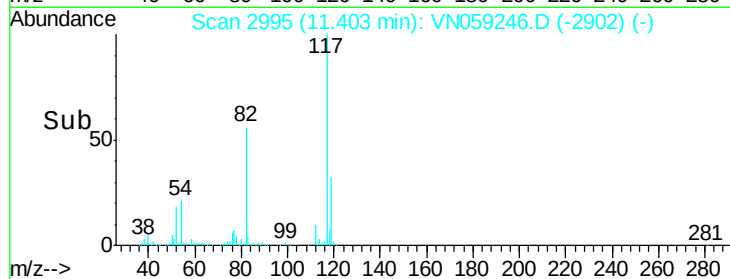
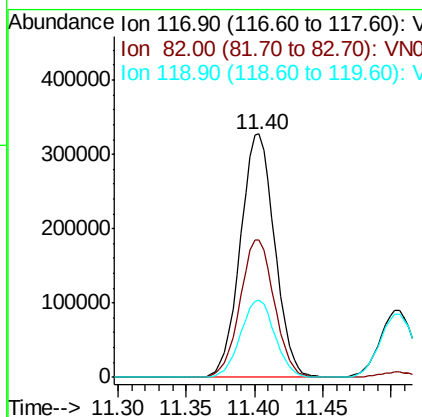
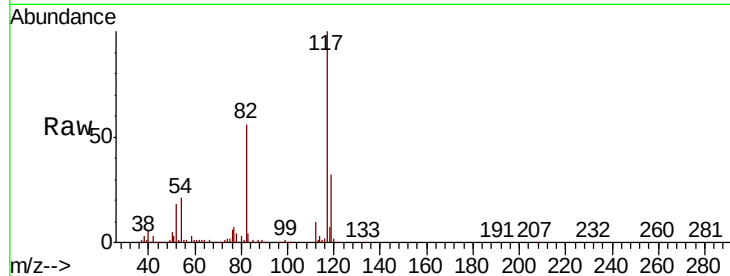
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.8
119	31.8	25.8	38.6

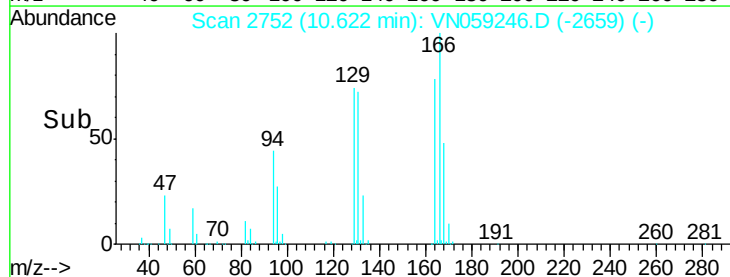
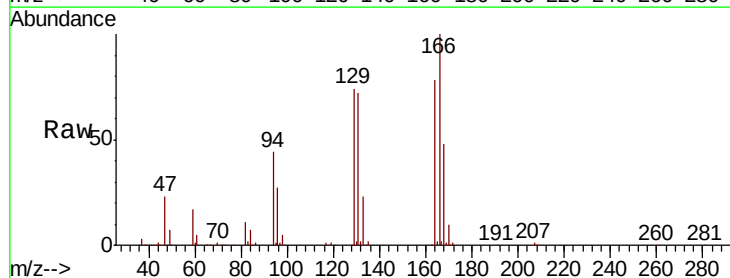
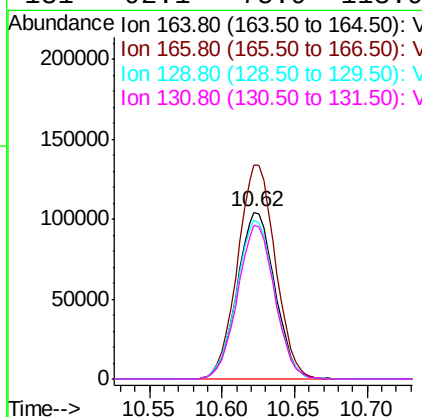
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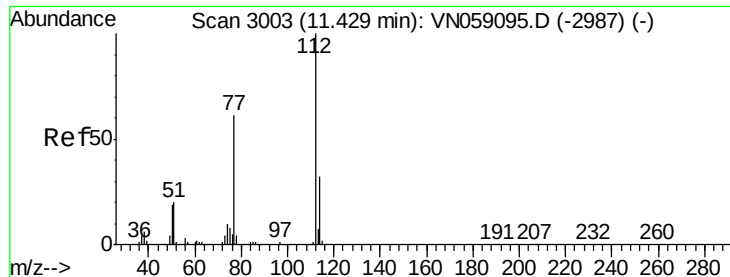
MMDadoda
11/15/2019 11:39:53 AM



#64
Tetrachloroethene
Concen: 48.333 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.5	152.3
129	95.1	78.3	117.5
131	92.1	75.9	113.9





#65

Chlorobenzene

Concen: 51.974 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 580135

Ion Ratio Lower Upper

112 100

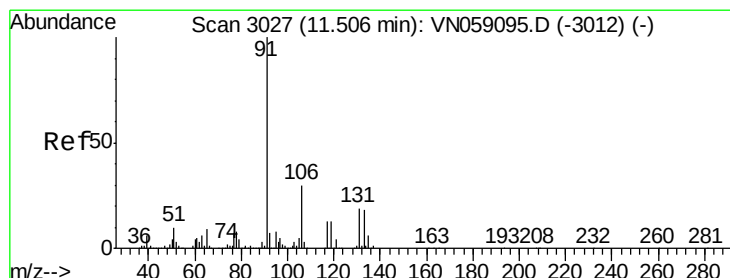
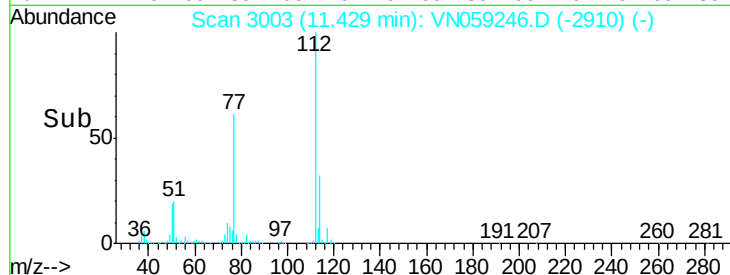
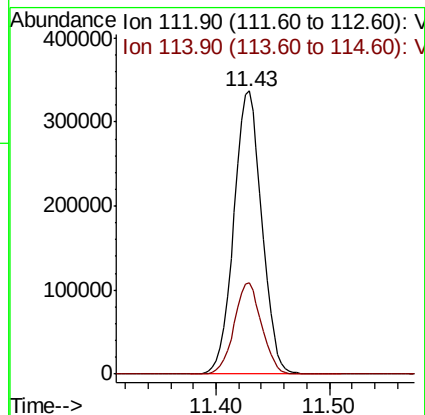
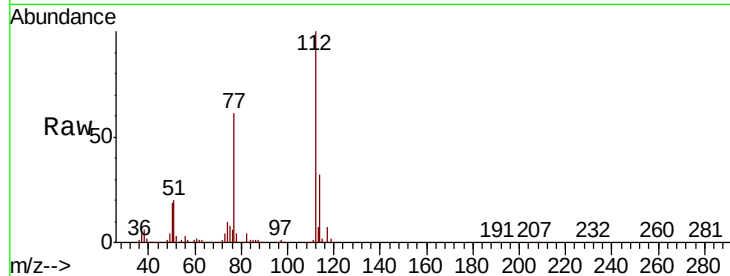
114 32.1 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.295 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

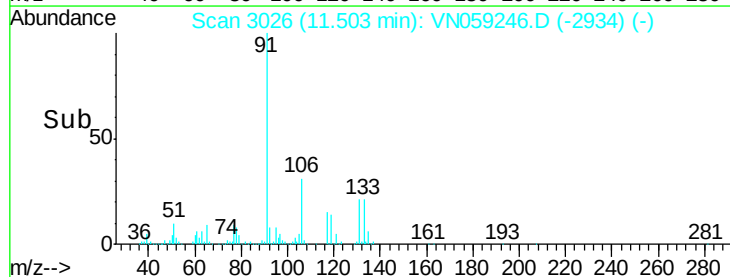
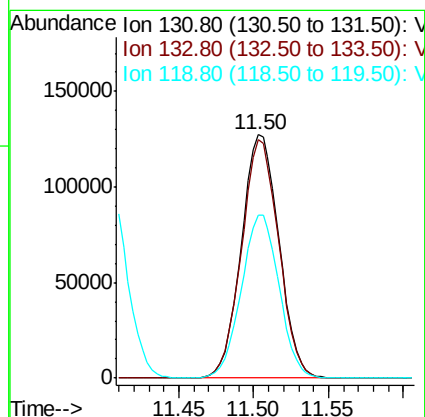
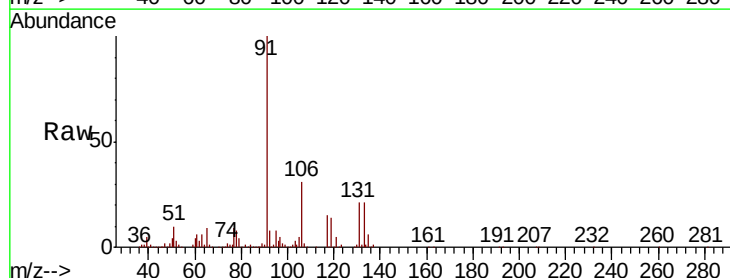
Tgt Ion:131 Resp: 223154

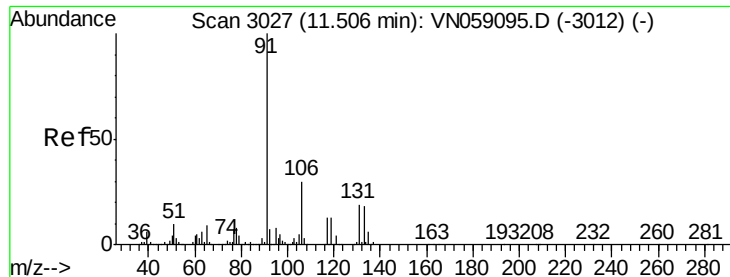
Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.1 33.2 99.6





#67

Ethyl Benzene

Concen: 53.218 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1053933

Ion Ratio Lower Upper

91 100

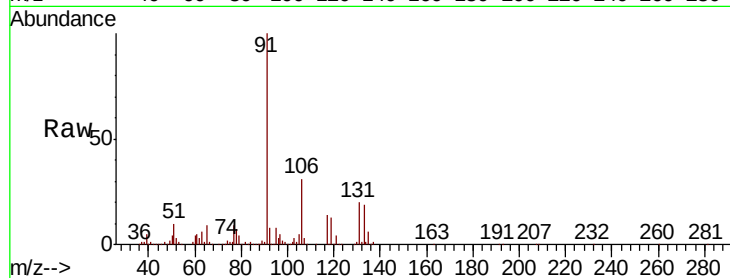
106 30.7 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059095.D (-3012) (-)

800000

600000

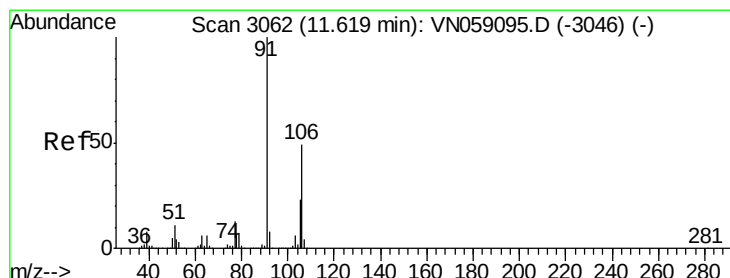
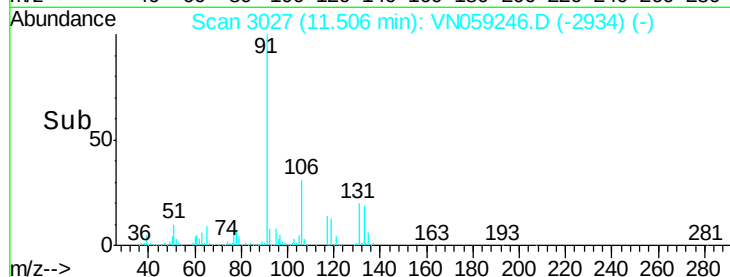
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 106.141 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059246.D

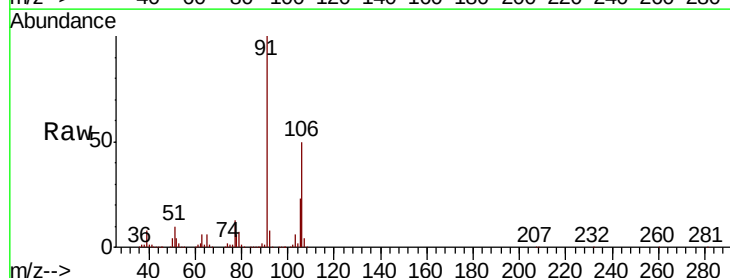
Acq: 14 Nov 2019 19:46

Tgt Ion: 106 Resp: 787387

Ion Ratio Lower Upper

106 100

91 203.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-3046) (-)

800000

600000

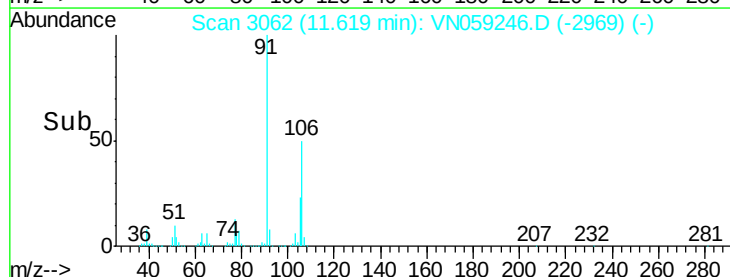
400000

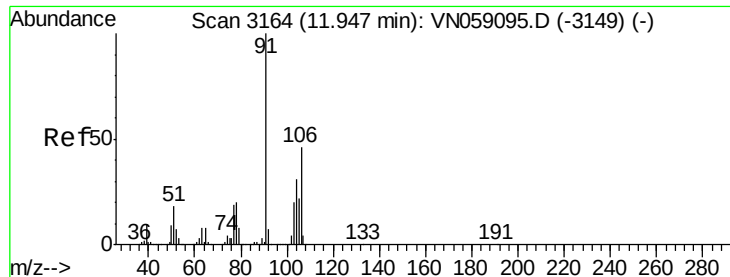
200000

0

11.50 11.60 11.70

Time-->





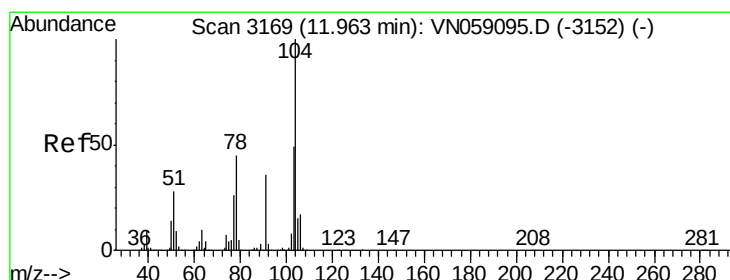
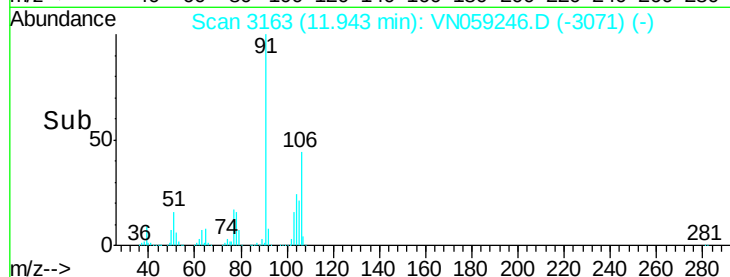
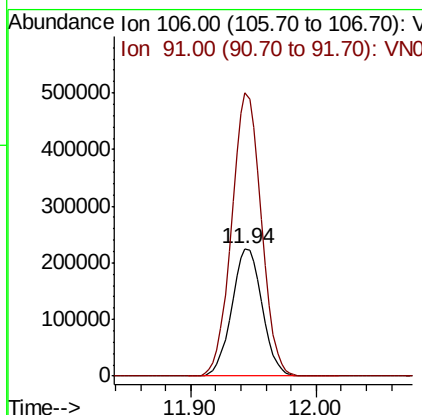
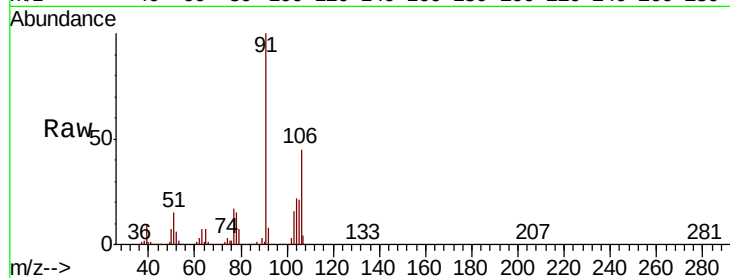
#69
o-Xylene
Concen: 52.506 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
376421	106	100		
	91	217.8	110.1	330.3

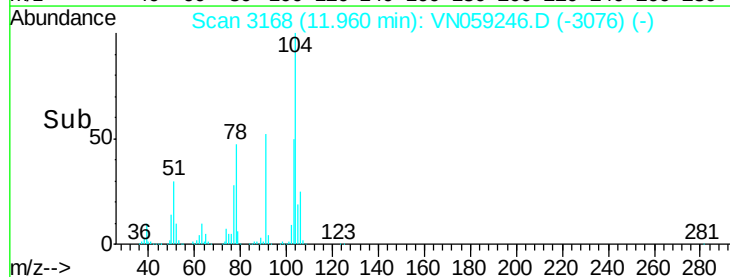
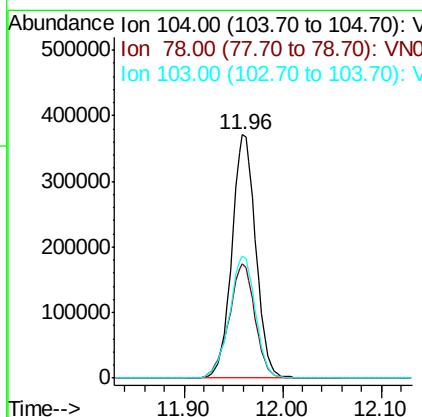
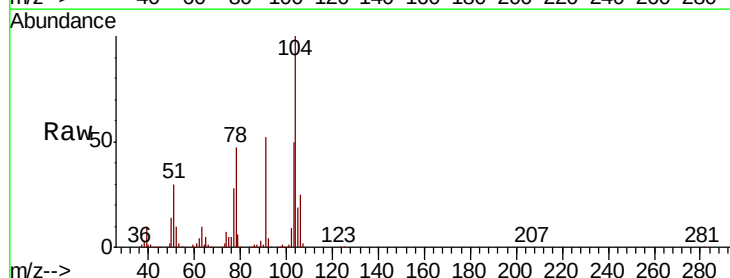
Manual Integrations
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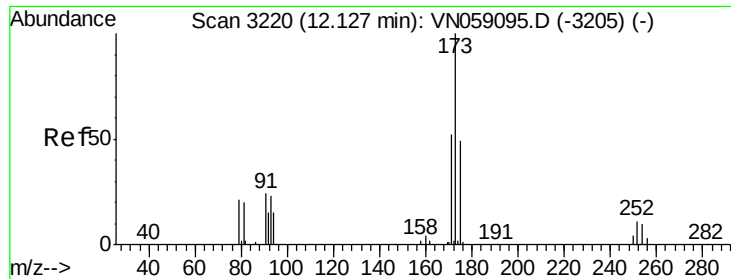
MMDadoda
11/15/2019 11:39:53 AM



#70
Styrene
Concen: 55.482 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
625563	104	100		
	78	51.0	41.2	61.8
	103	54.6	43.8	65.6





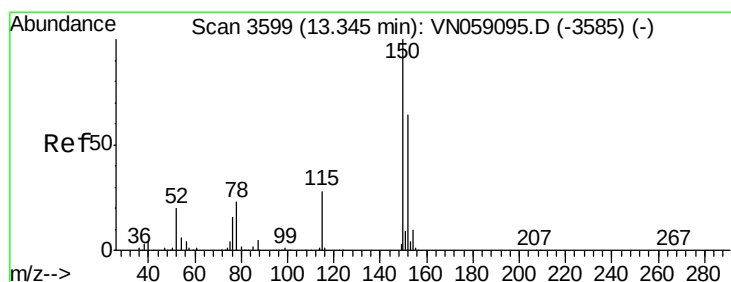
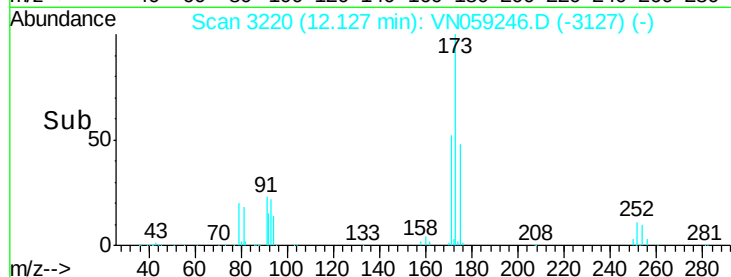
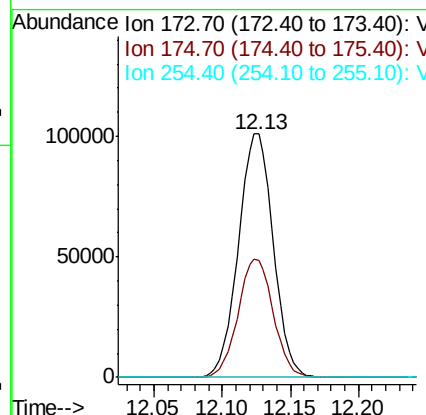
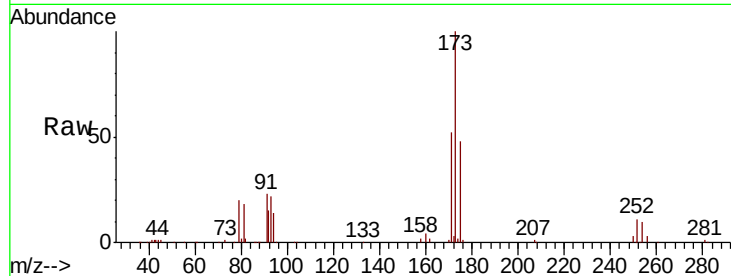
#71
Bromoform
Concen: 54.841 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1#

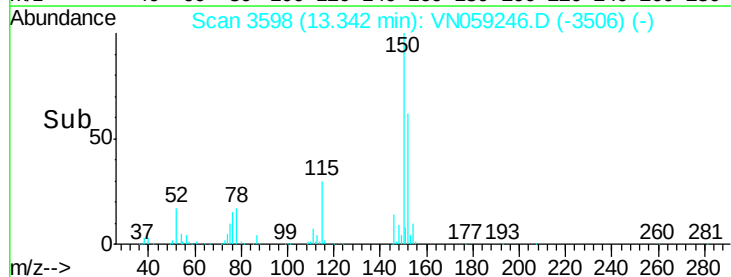
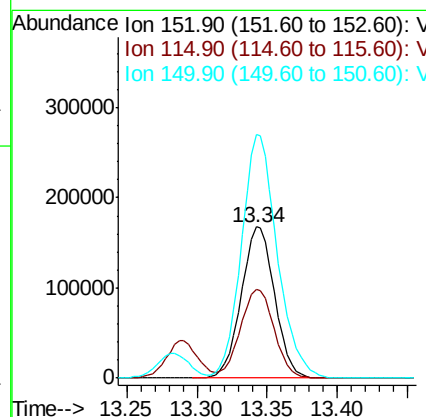
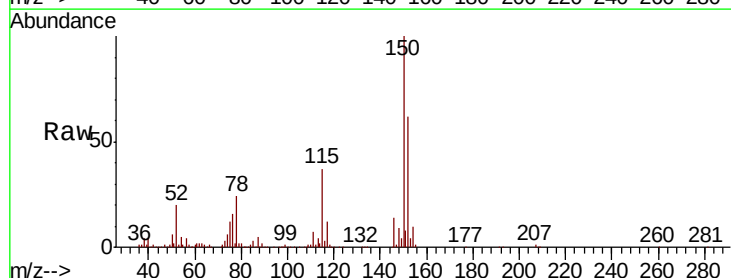
Manual Integrations
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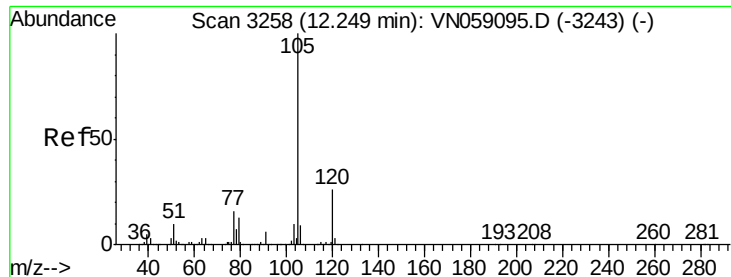
MMDadoda
11/15/2019 11:39:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.2
150	173.0	0.0	345.8





#73

Isopropylbenzene

Concen: 51.242 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1032949

Ion Ratio Lower Upper

105 100

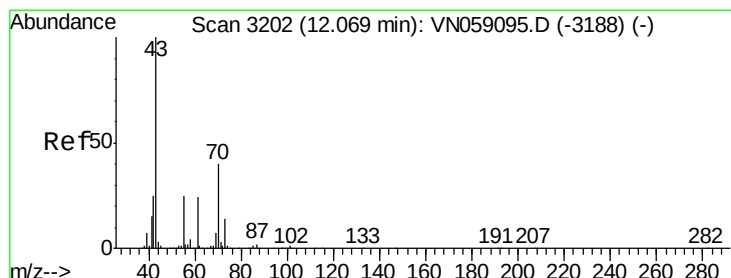
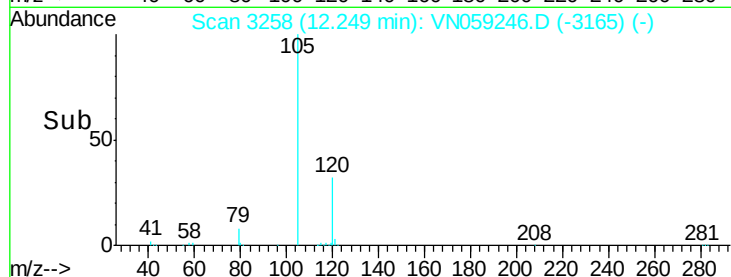
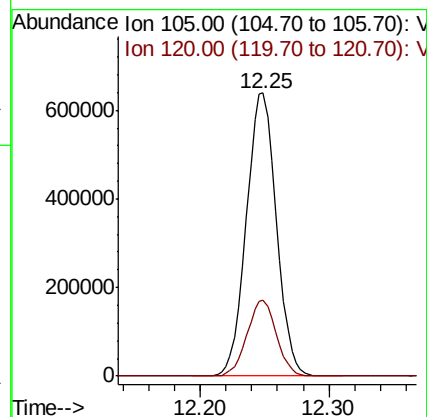
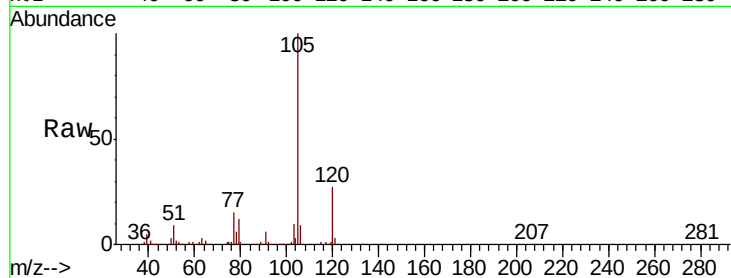
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.342 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion: 43 Resp: 455640

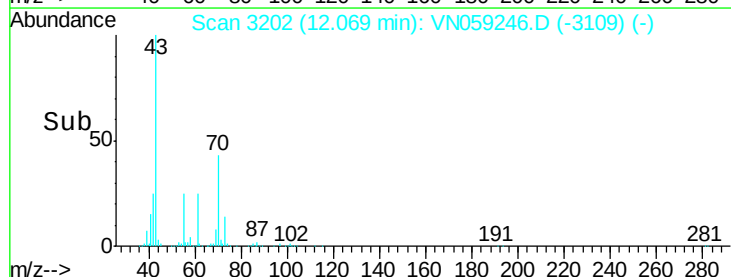
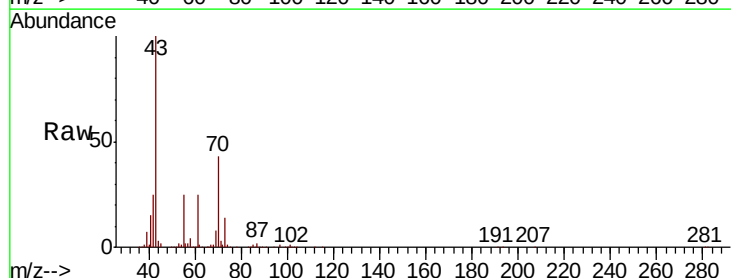
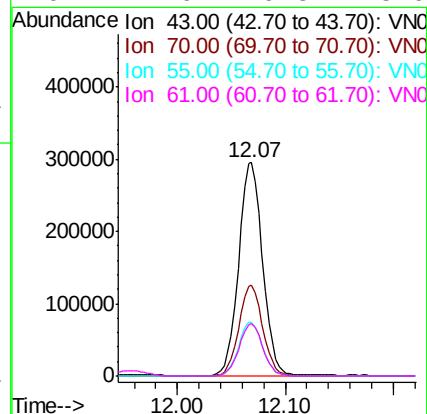
Ion Ratio Lower Upper

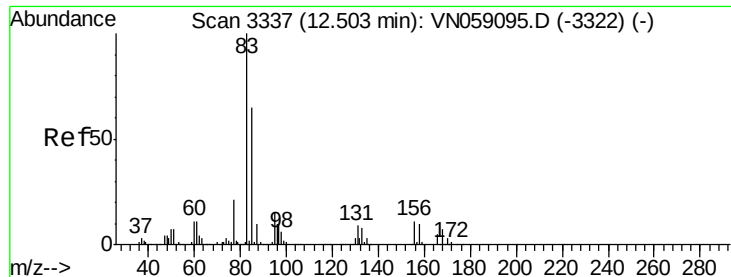
43 100

70 42.7 32.2 48.4

55 25.8 20.4 30.6

61 24.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.919 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

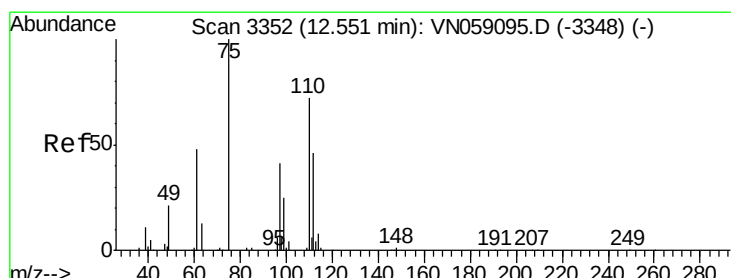
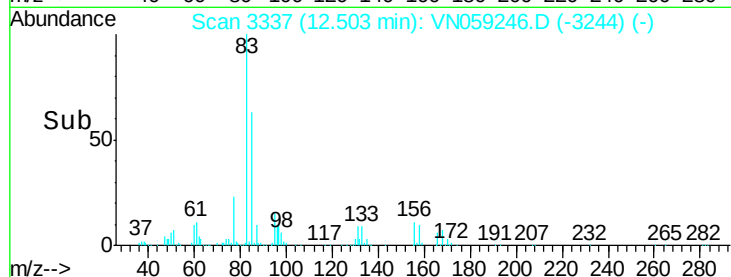
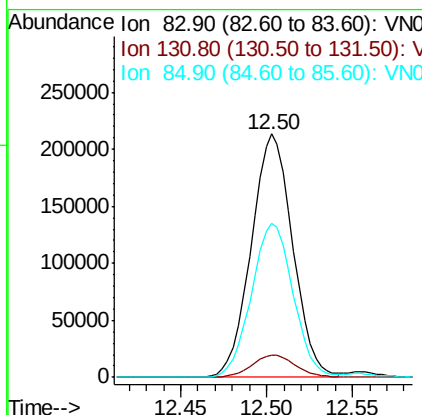
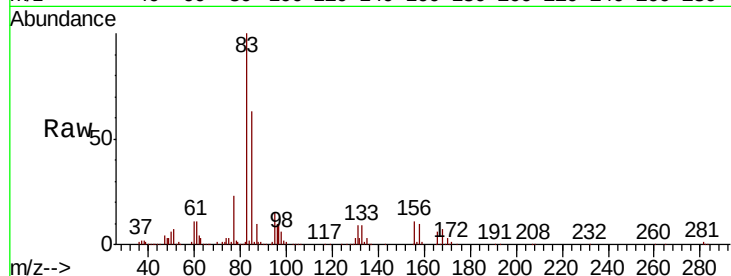
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	356416
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 51.354 ug/l m

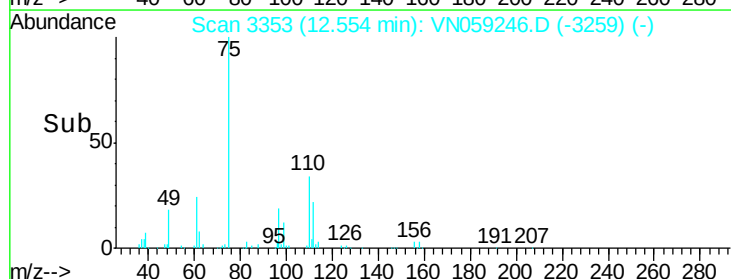
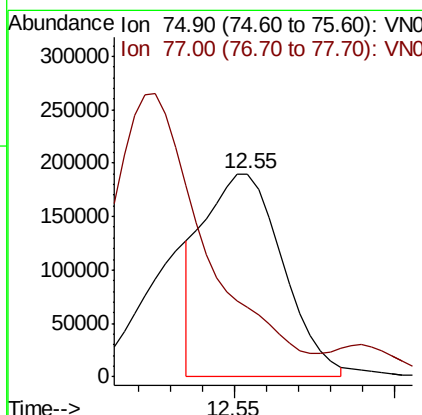
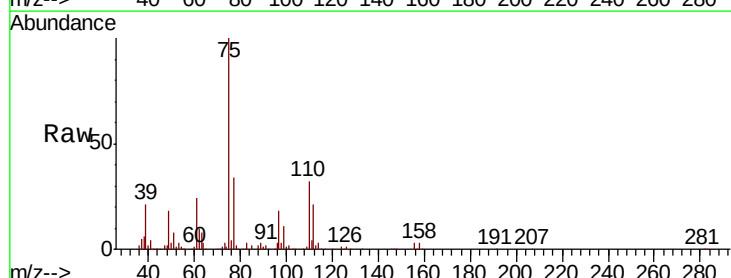
RT: 12.55 min Scan# 3353

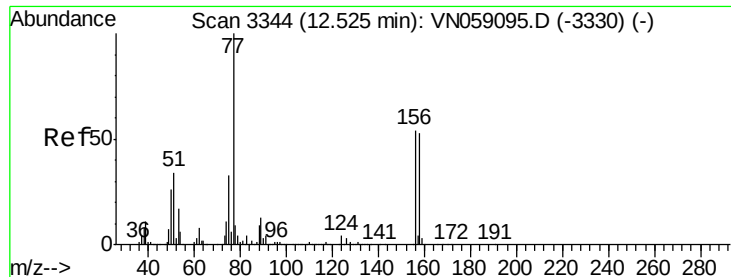
Delta R.T. 0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	75	Resp:	324003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

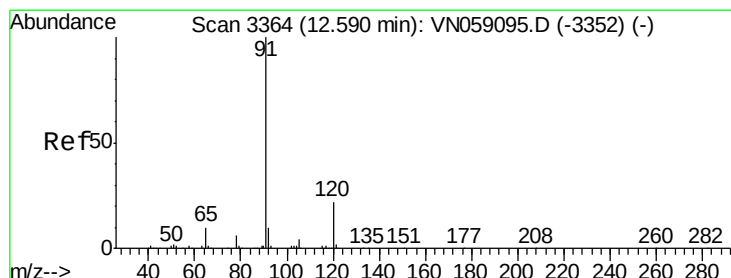
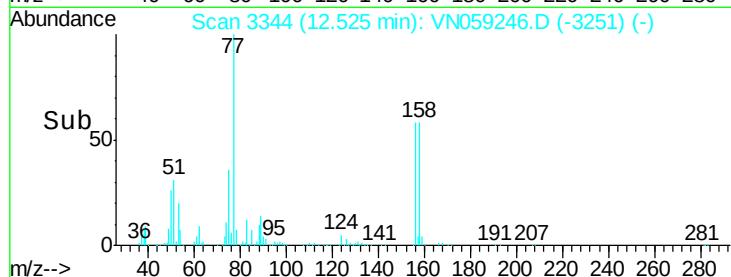
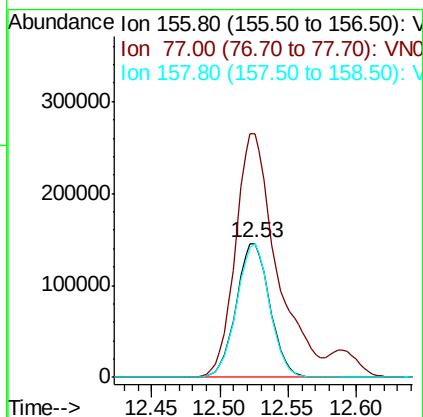
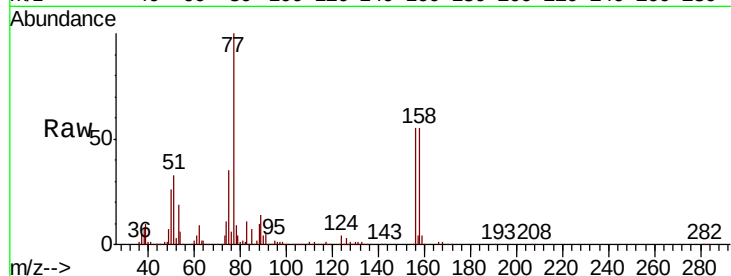
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	248175
Ion Ratio	Lower	Upper	
156	100		
77	224.9	112.8	338.3
158	97.9	48.4	145.3

Manual Integrations
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11/15/2019 11:39:53 AM



#78

n-propylbenzene

Concen: 51.976 ug/l

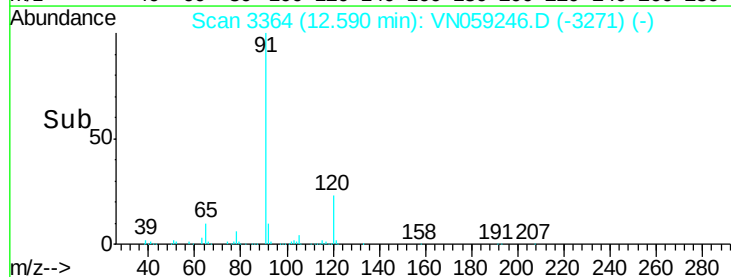
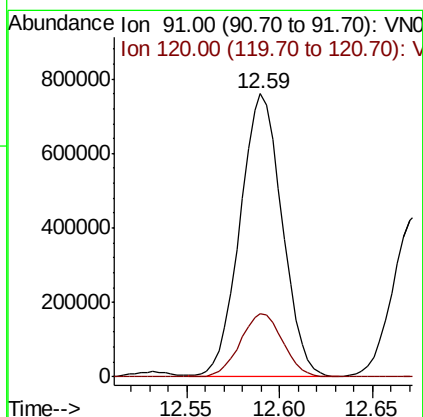
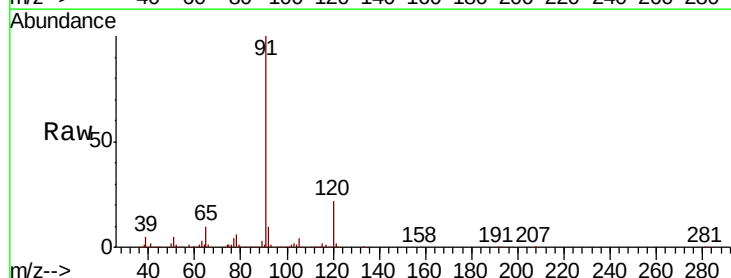
RT: 12.59 min Scan# 3364

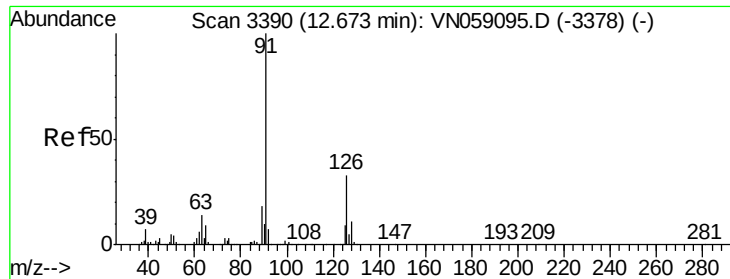
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	91	Resp:	1199671
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





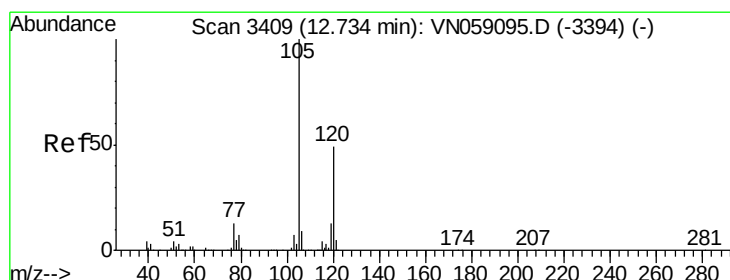
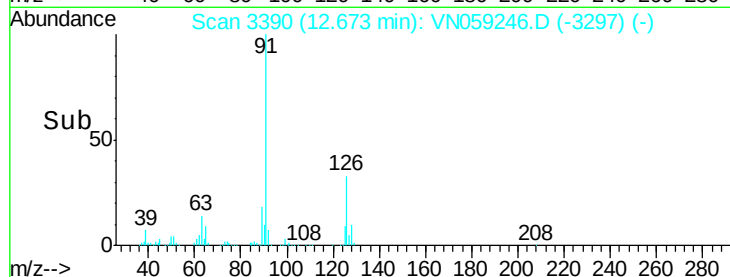
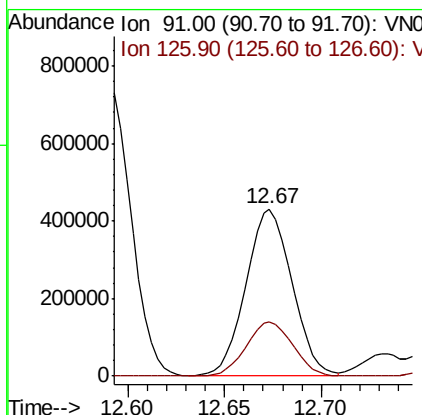
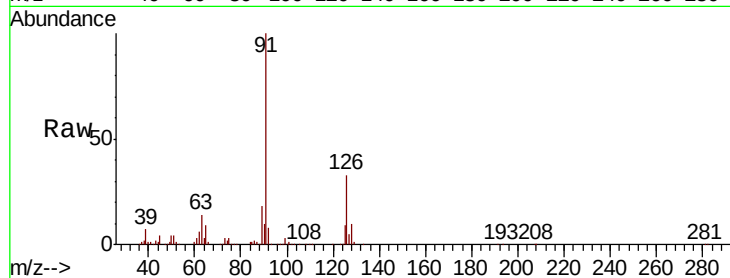
#79
 2-Chlorotoluene
 Concen: 50.105 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 717424
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.1

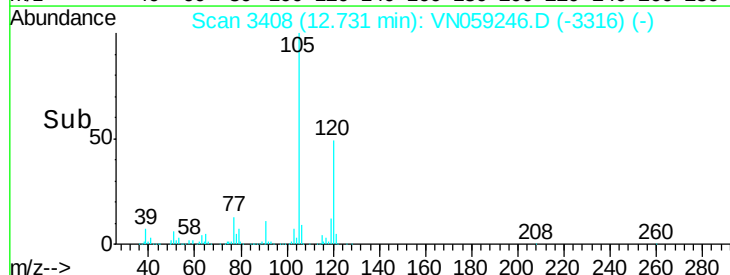
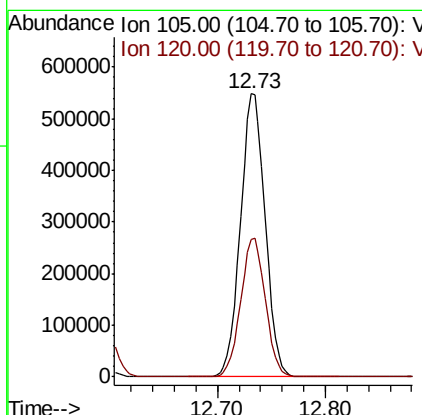
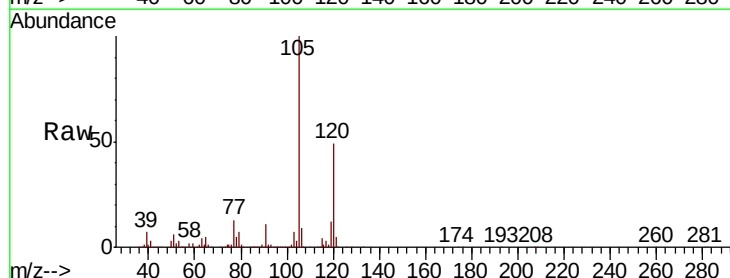
Manual Integrations
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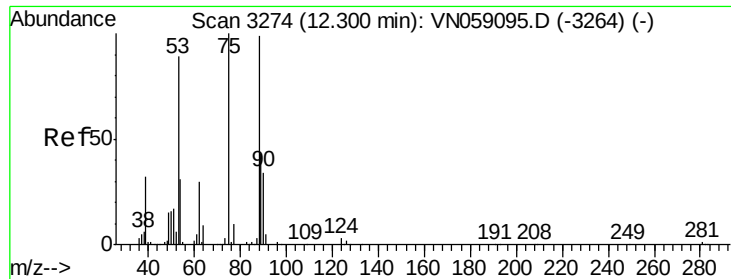
MMDadoda
 11/15/2019 11:39:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.108 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion: 105 Resp: 872982
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.0 72.0





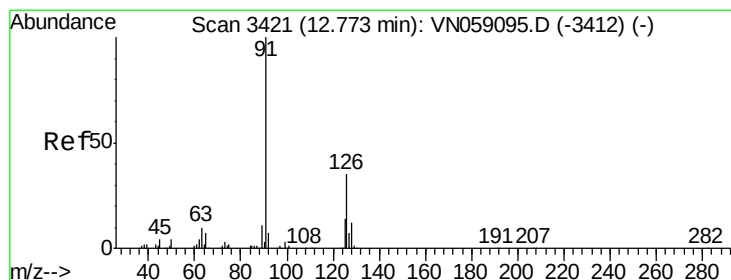
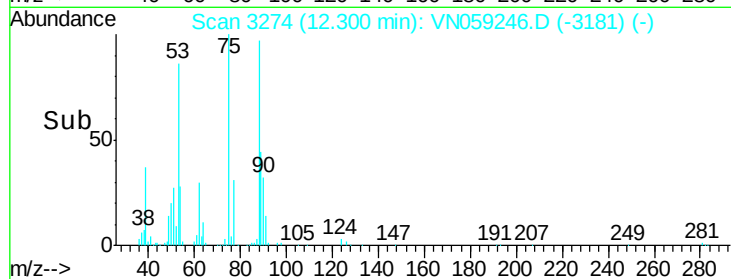
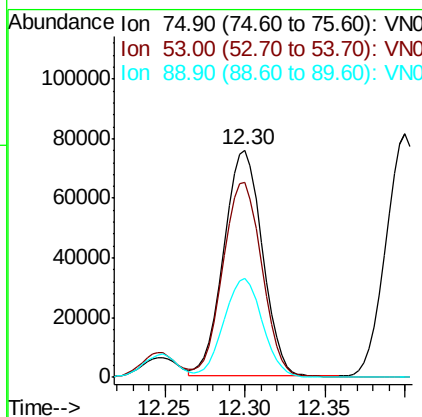
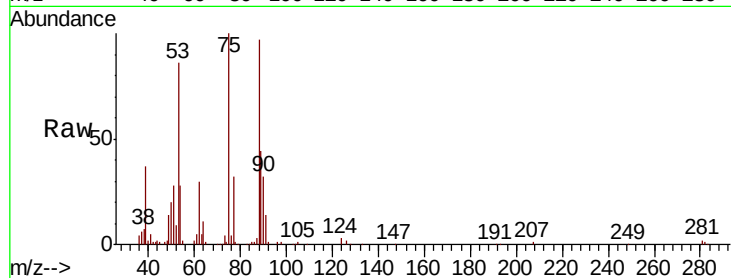
#81
trans-1,4-Dichloro-2-butene
Concen: 52.303 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	72.2	108.2
89	43.8	35.8	53.8

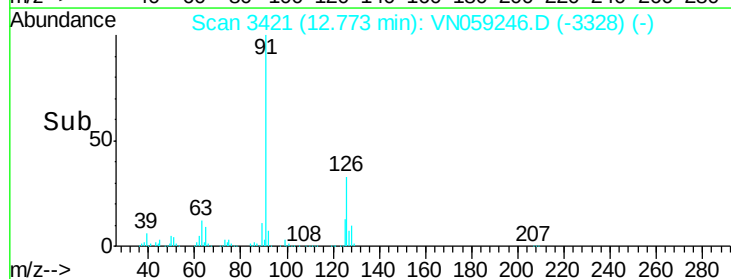
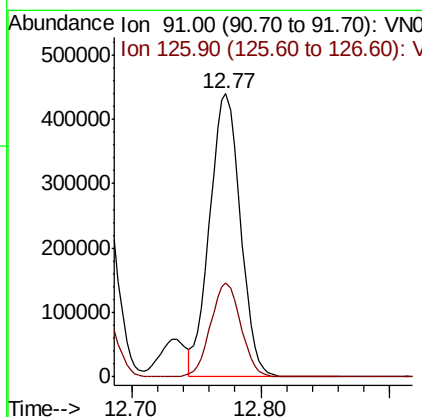
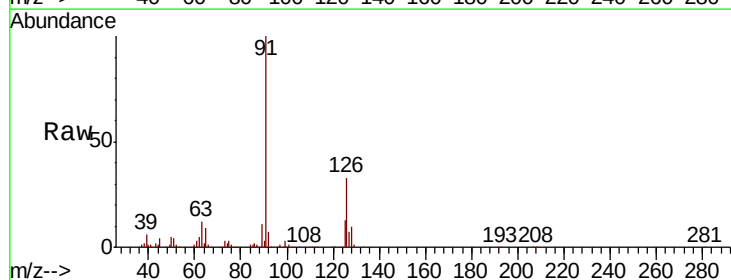
Manual Integrations
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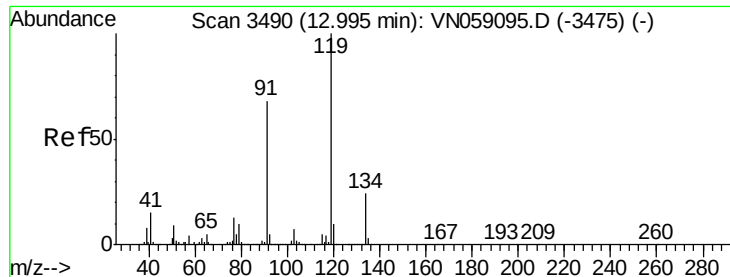
MMDadoda
11/15/2019 11:39:53 AM



#82
4-Chlorotoluene
Concen: 50.562 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059246.D
Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





#83

tert-Butylbenzene

Concen: 50.791 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

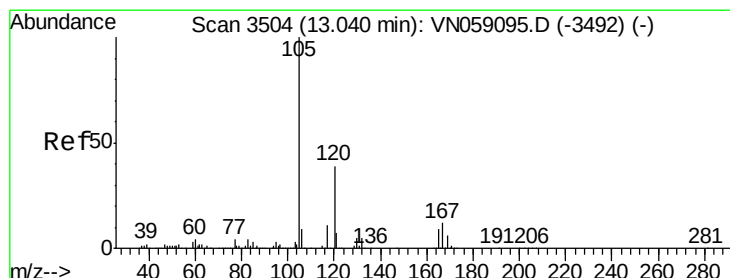
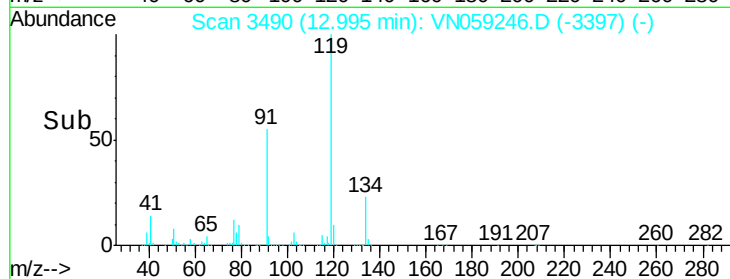
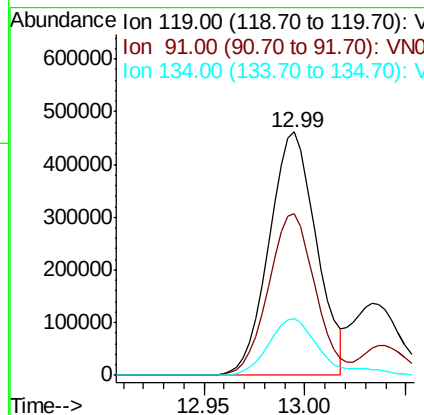
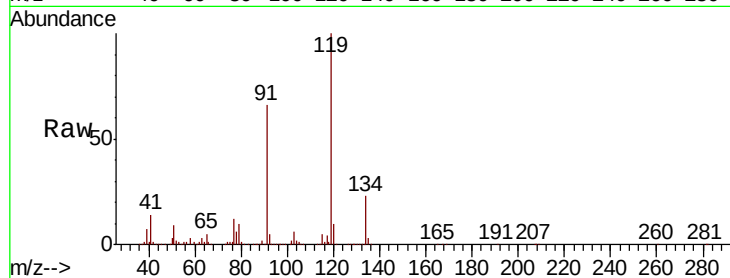
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	749216
Ion Ratio	Lower	Upper	
119	100		
91	65.5	33.2	99.6
134	23.9	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 53.202 ug/l

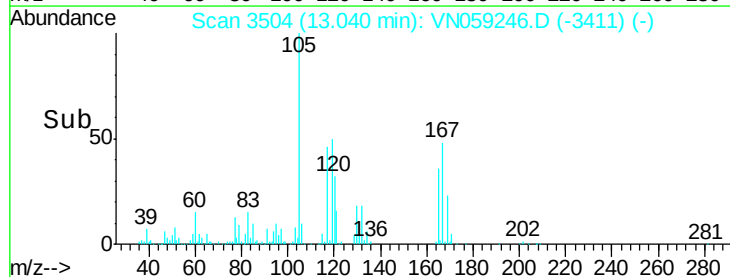
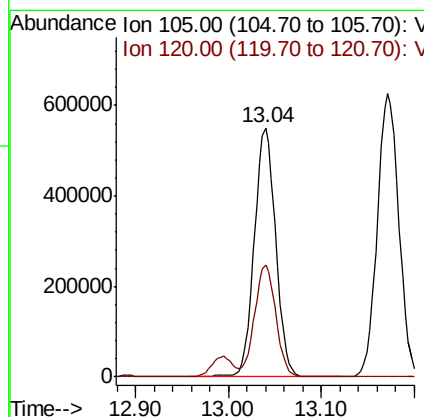
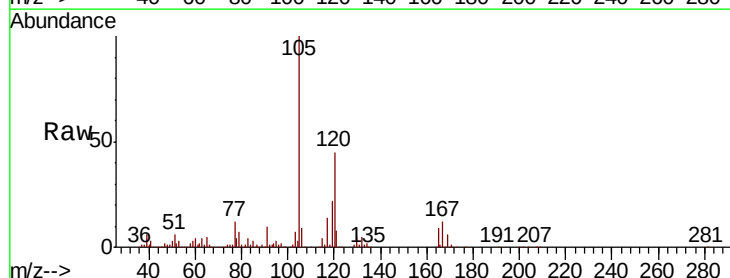
RT: 13.04 min Scan# 3504

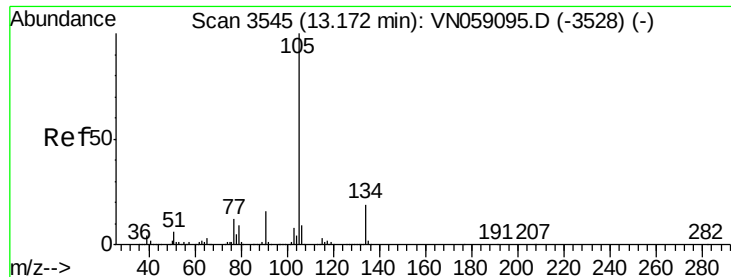
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	105	Resp:	879218
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 52.331 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1003941

Ion Ratio Lower Upper

105 100

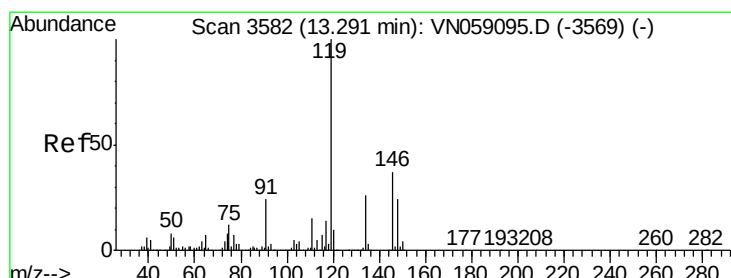
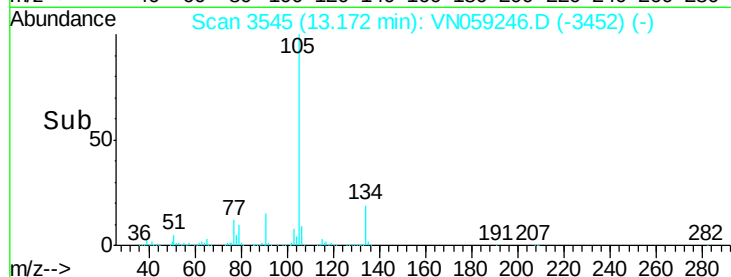
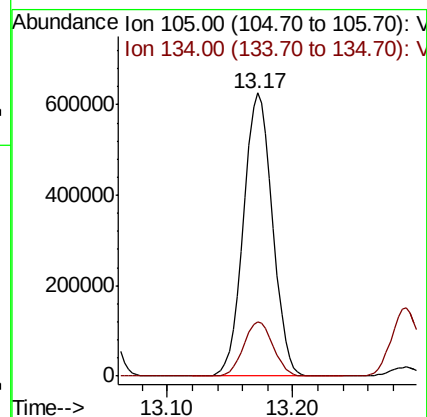
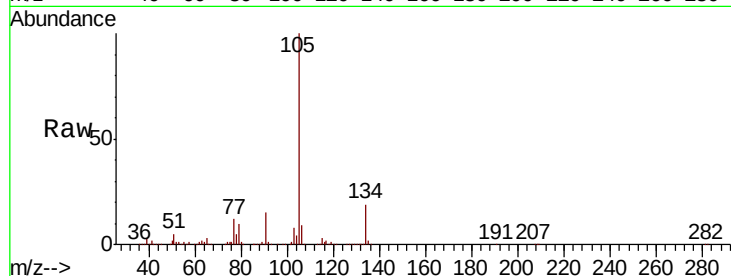
134 19.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 53.245 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

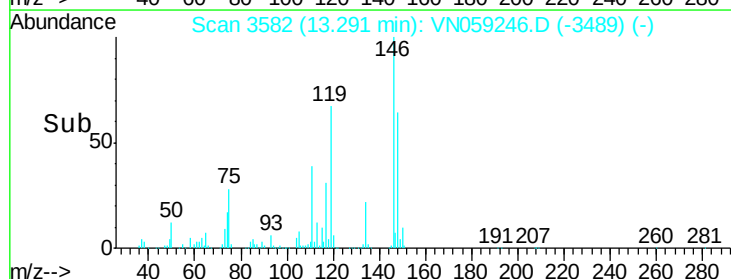
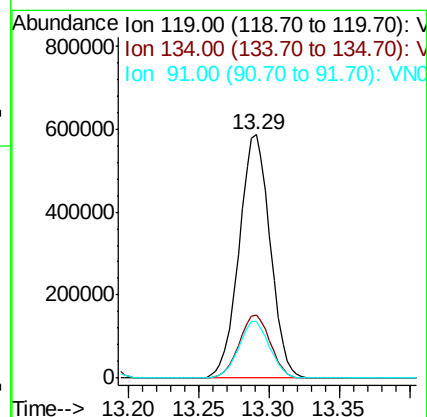
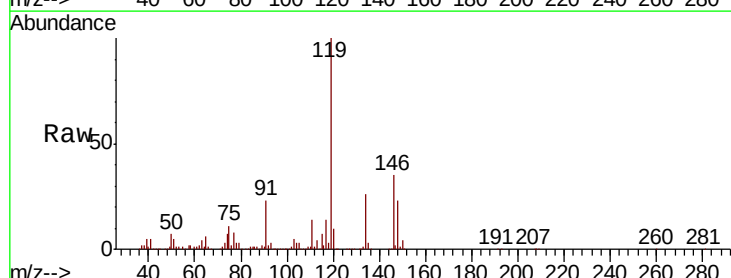
Tgt Ion:119 Resp: 901924

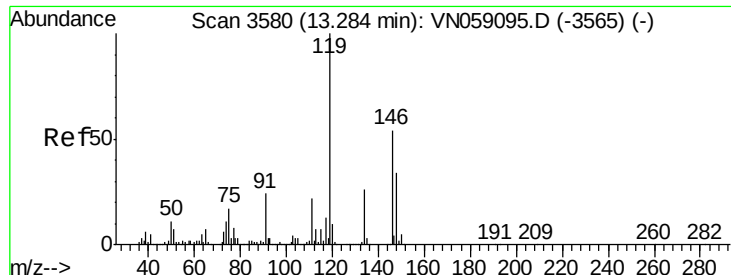
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.3 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 50.808 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059246.D

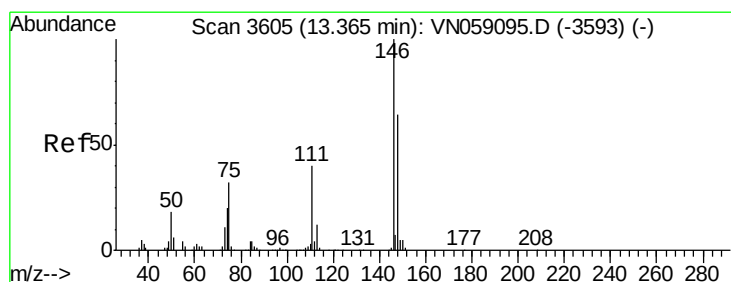
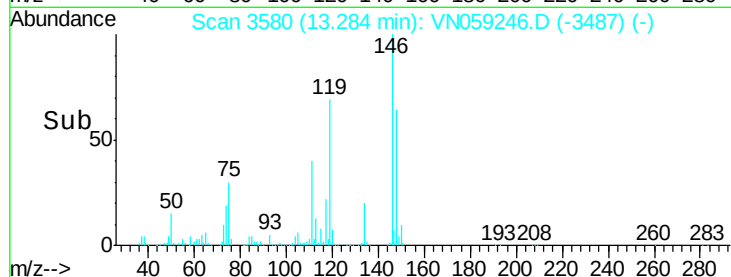
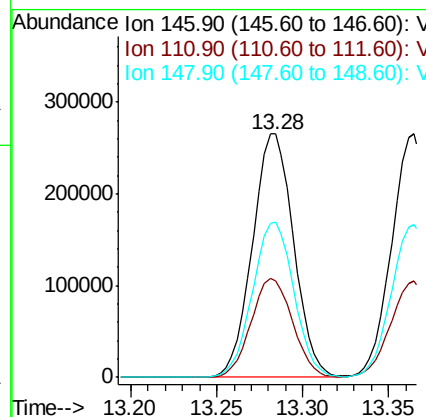
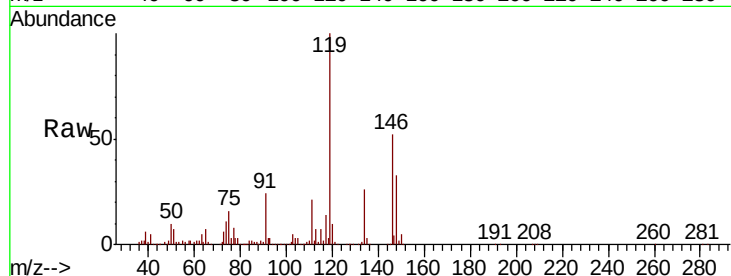
Acq: 14 Nov 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	64.1	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.096 ug/l

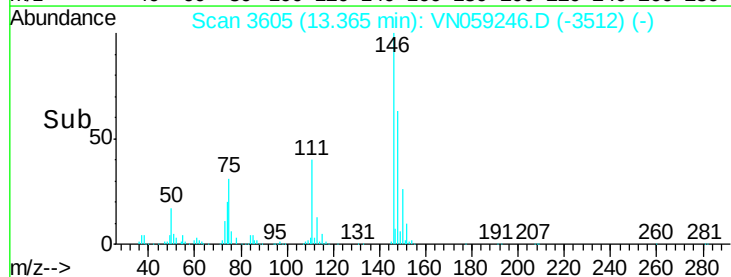
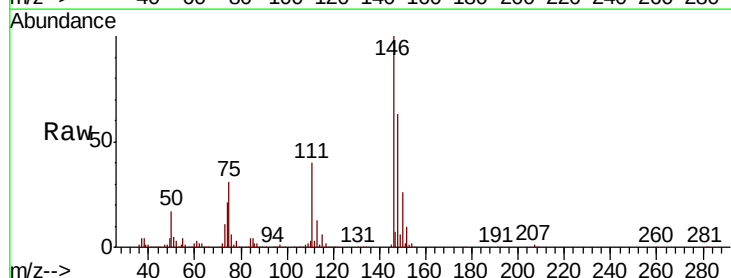
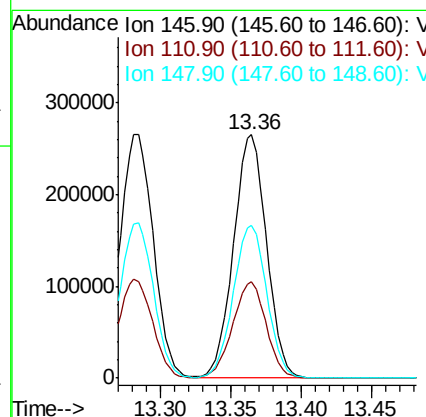
RT: 13.36 min Scan# 3605

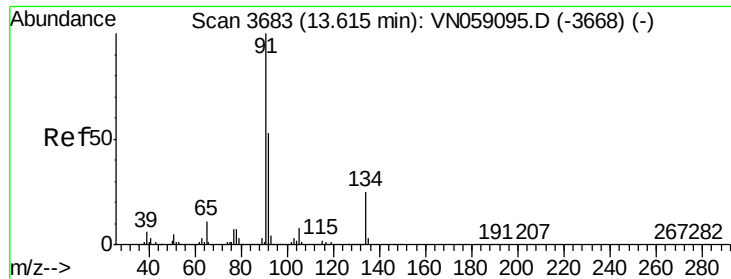
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	64.1	31.9	95.7





#89

n-Butylbenzene

Concen: 51.618 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

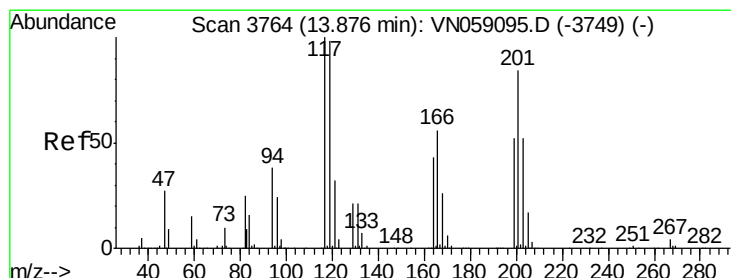
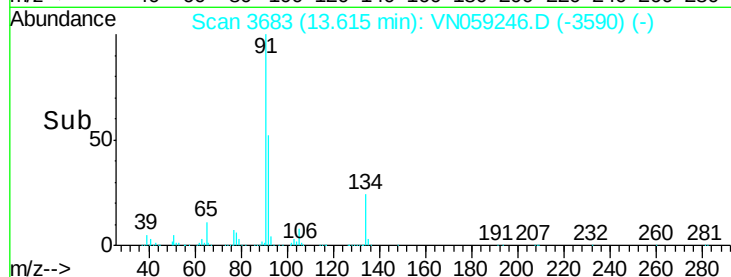
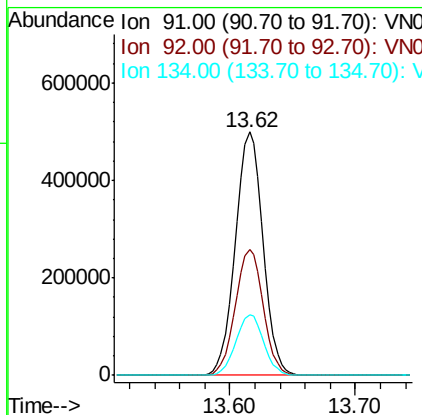
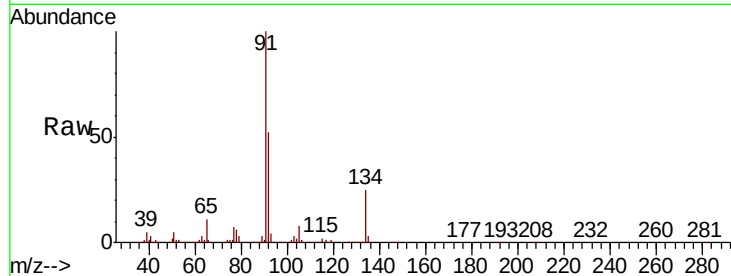
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	765279
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.1	78.3
134	25.1	12.6	37.8

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#90

Hexachloroethane

Concen: 49.433 ug/l

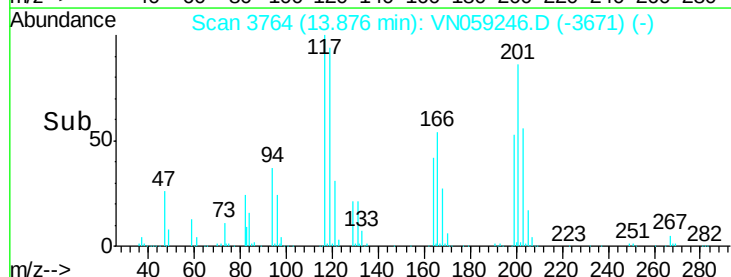
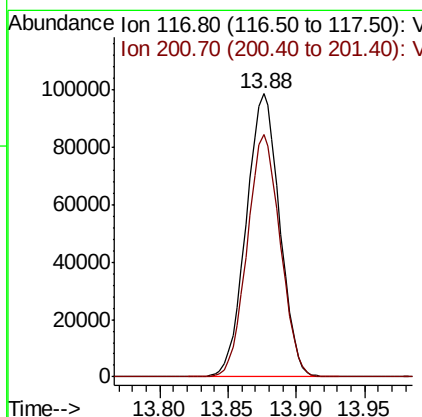
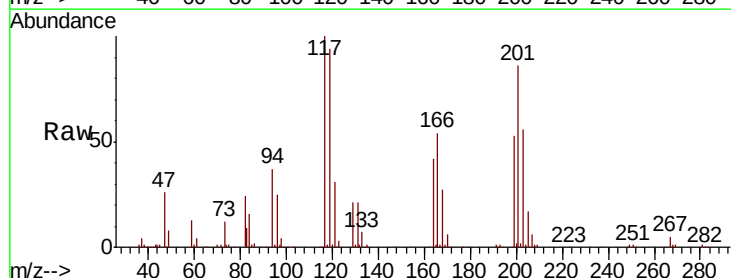
RT: 13.88 min Scan# 3764

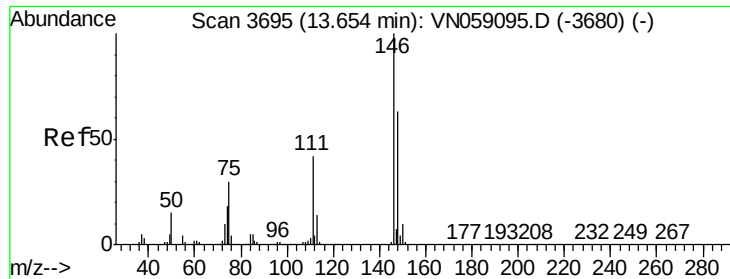
Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	117	Resp:	168141
Ion Ratio	Lower	Upper	
117	100		
201	84.5	41.8	125.3





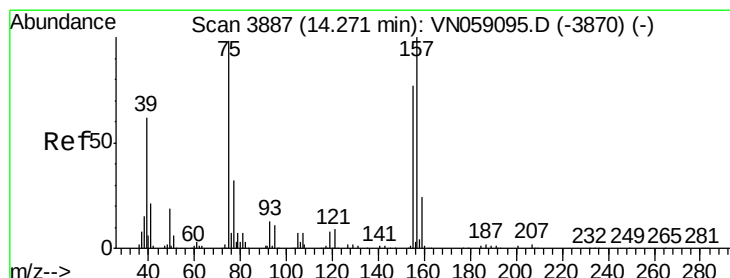
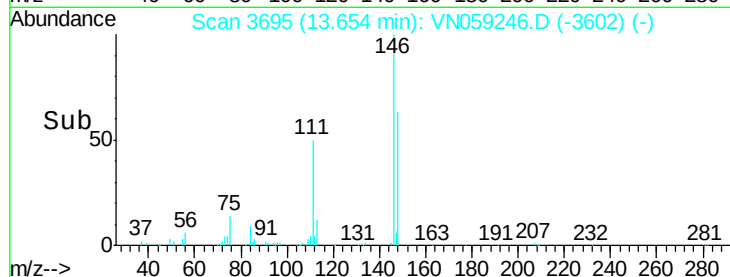
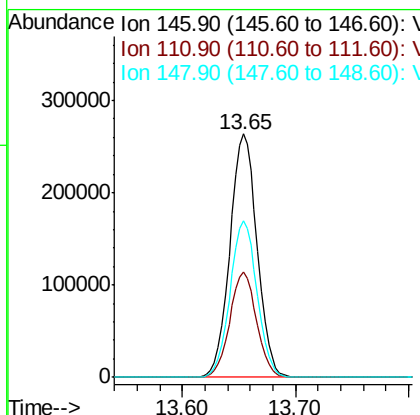
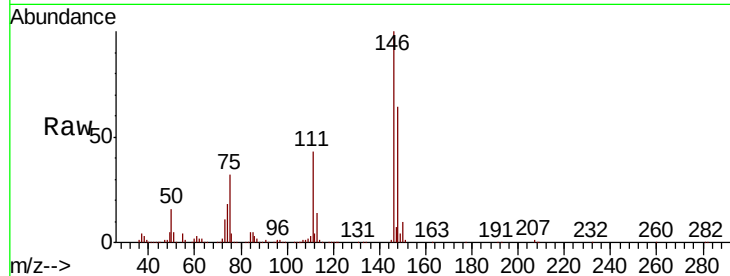
#91
 1,2-Dichlorobenzene
 Concen: 51.573 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	63.9	31.6	94.7

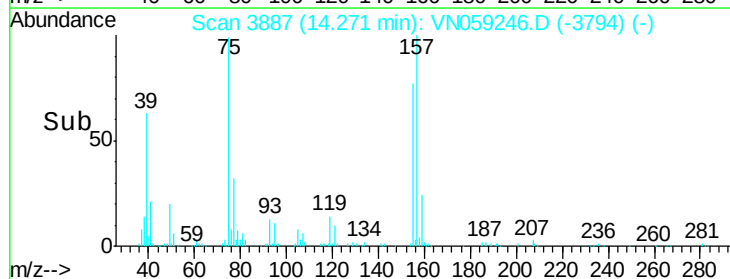
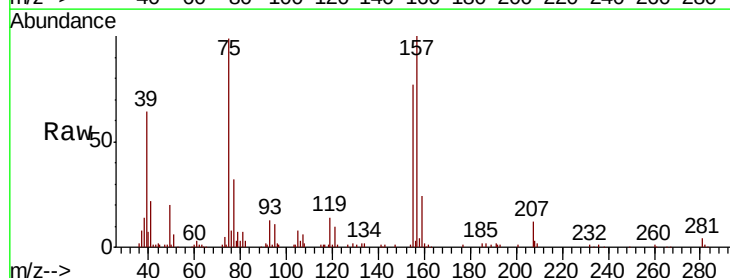
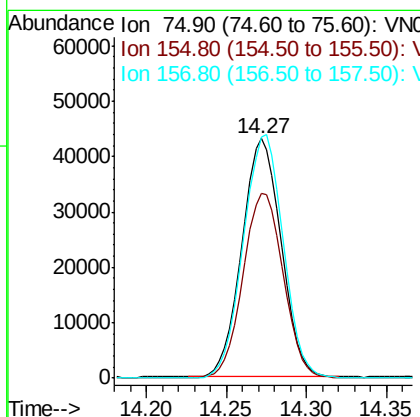
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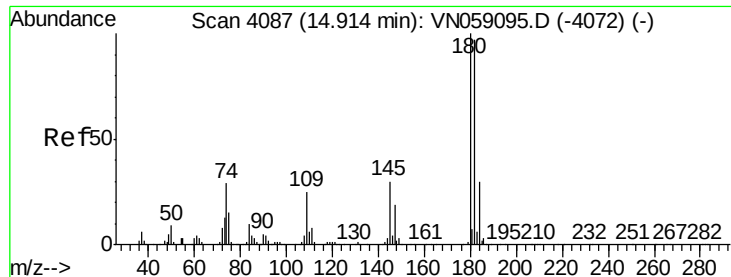
MMDadoda
 11/15/2019 11:39:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.372 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.2	120.6
157	104.4	51.8	155.5





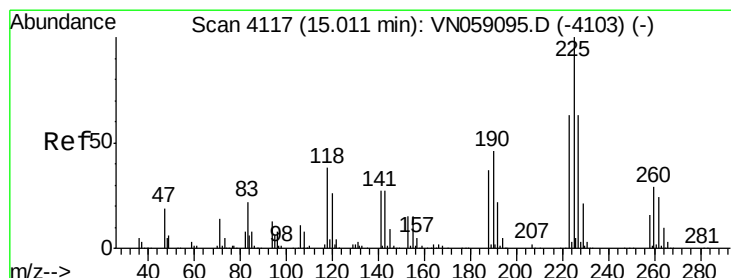
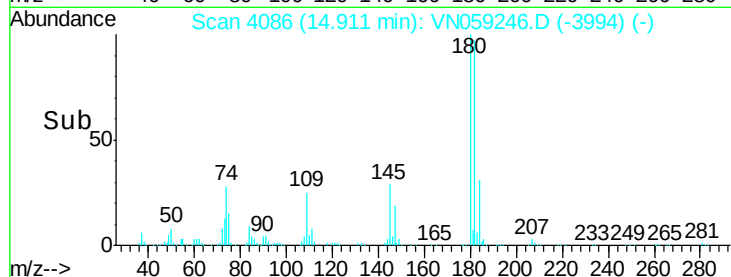
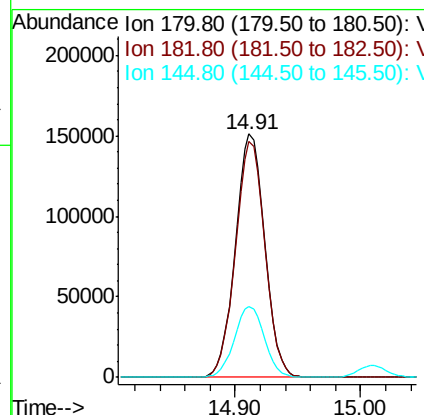
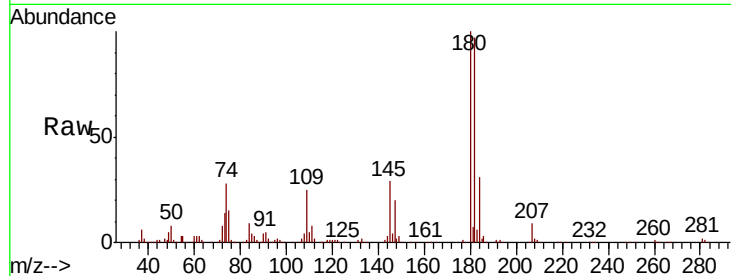
#93
 1,2,4-Trichlorobenzene
 Concen: 47.571 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245418		
182	97.1	48.1	144.3	
145	29.8	15.1	45.3	

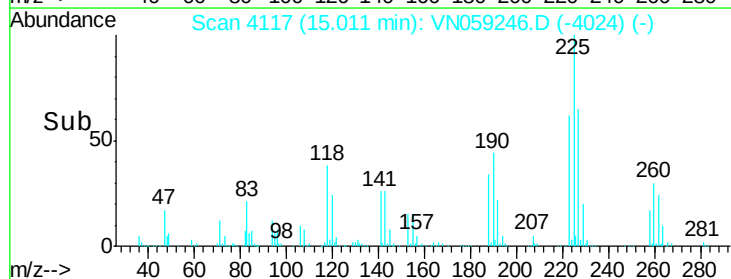
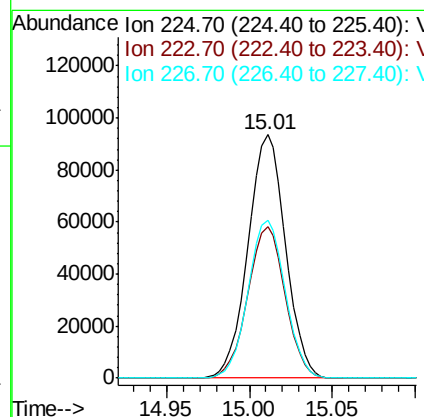
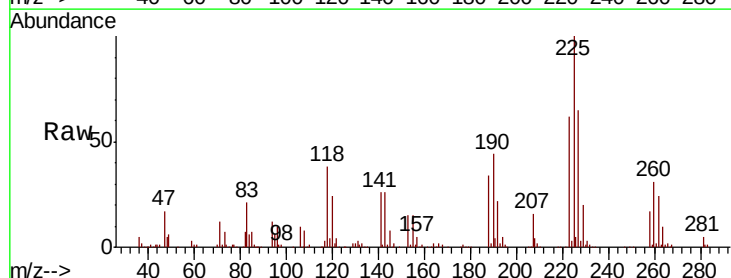
Manual Integrations
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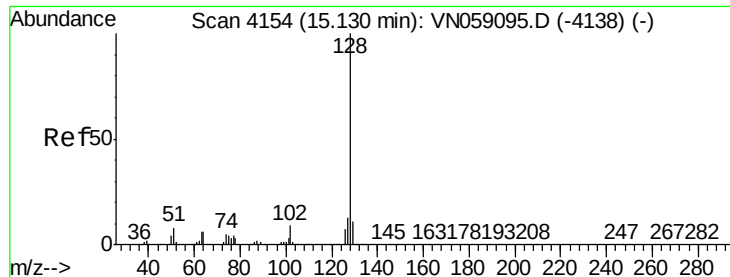
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 11/15/2019 11:39:53 AM



#94
 Hexachlorobutadiene
 Concen: 50.046 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059246.D
 Acq: 14 Nov 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147219		
223	62.0	31.3	93.9	
227	64.2	31.5	94.5	





#95

Naphthalene

Concen: 47.443 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Instrument :

MSVOA_N

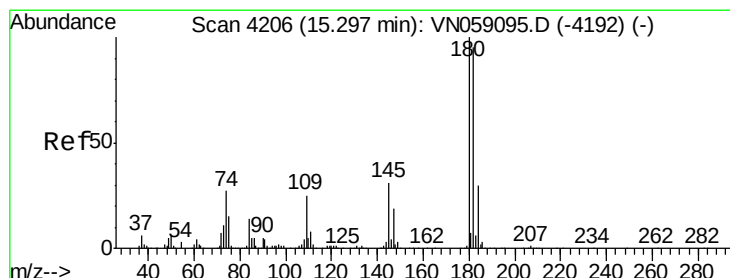
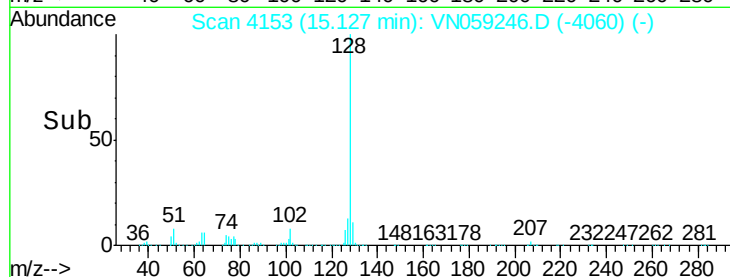
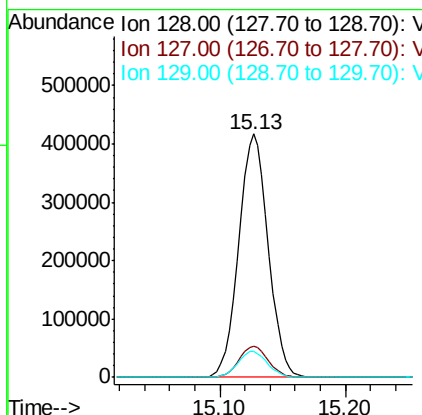
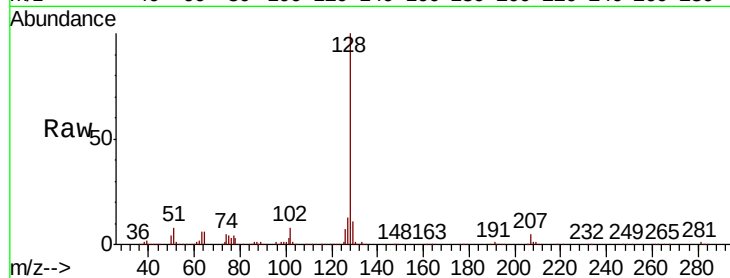
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	678927
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/15/2019 11:39:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.602 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059246.D

Acq: 14 Nov 2019 19:46

Tgt Ion:	180	Resp:	246718
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.3	141.8
145	31.6	15.8	47.3

