

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059142.D
 Acq On : 8 Nov 2019 18:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/11/2019 10:35:24 AM

Quant Time: Nov 11 02:32:28 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	523957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	844037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	772909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	326588	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.57	113	255526	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.08	98	1009678	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	391082	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	239371	45.343	ug/l	100
3) Chloromethane	2.04	50	321375	44.784	ug/l	100
4) Vinyl Chloride	2.17	62	322493	46.353	ug/l	100
5) Bromomethane	2.53	94	174826m	43.666	ug/l	
6) Chloroethane	2.67	64	192226	46.707	ug/l	99
7) Trichlorofluoromethane	2.99	101	398625	47.902	ug/l	99
8) Diethyl Ether	3.39	74	173755	51.387	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	245832	48.995	ug/l	98
10) Methyl Iodide	3.92	142	305828	49.243	ug/l	99
11) Tert butyl alcohol	4.75	59	298552	243.225	ug/l	100
12) 1,1-Dichloroethene	3.71	96	243361	49.790	ug/l	100
13) Acrolein	3.58	56	141555	223.675	ug/l	99
14) Allyl chloride	4.29	41	478871	47.696	ug/l	99
15) Acrylonitrile	4.95	53	791757	259.188	ug/l	98
16) Acetone	3.79	43	765105	228.435	ug/l	98
17) Carbon Disulfide	4.02	76	678955	44.749	ug/l	100
18) Methyl Acetate	4.29	43	406092	51.081	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	884918	52.587	ug/l	99
20) Methylene Chloride	4.52	84	286595	49.116	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	258394	49.251	ug/l	96
22) Diisopropyl ether	5.92	45	953677	50.289	ug/l	99
23) Vinyl Acetate	5.86	43	3989163	271.418	ug/l	99
24) 1,1-Dichloroethane	5.82	63	527366	49.789	ug/l	99
25) 2-Butanone	6.81	43	1108473	251.114	ug/l	98
26) 2,2-Dichloropropane	6.80	77	443264	47.860	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	306242	50.313	ug/l	99
28) Bromochloromethane	7.17	49	151071	47.407	ug/l	98
29) Tetrahydrofuran	7.18	42	703277	250.741	ug/l	97
30) Chloroform	7.35	83	502259	49.432	ug/l	100
31) Cyclohexane	7.63	56	473556	47.227	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	436538	51.102	ug/l	100
36) 1,1-Dichloropropene	7.77	75	388047	49.187	ug/l	99
37) Ethyl Acetate	6.90	43	435834	49.659	ug/l	99
38) Carbon Tetrachloride	7.75	117	379889	48.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	468087	51.122	ug/l	98
40) Benzene	8.02	78	1164892	49.033	ug/l	100
41) Methacrylonitrile	7.15	41	198172m	51.926	ug/l	
42) 1,2-Dichloroethane	8.10	62	401480	49.273	ug/l	100
43) Isopropyl Acetate	8.14	43	703136	50.252	ug/l	99
44) Trichloroethene	8.82	130	291490	49.913	ug/l	99
45) 1,2-Dichloropropane	9.10	63	317572	49.214	ug/l	98
46) Dibromomethane	9.19	93	195695	48.667	ug/l	99
47) Bromodichloromethane	9.39	83	397981	49.565	ug/l	97
48) Methyl methacrylate	9.18	41	322393	51.512	ug/l	98
49) 1,4-Dioxane	9.18	88	102469	921.277	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	2169614	274.042	ug/l	99
52) Toluene	10.14	92	719569	50.533	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	482170	51.976	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	509963	51.105	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	285368	49.519	ug/l	99
56) Ethyl methacrylate	10.42	69	485015	50.443	ug/l	99
57) 1,3-Dichloropropane	10.70	76	505889	51.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	935340	291.640	ug/l	99
59) 2-Hexanone	10.74	43	1660919	273.325	ug/l	98
60) Dibromochloromethane	10.90	129	308495	50.631	ug/l	99
61) 1,2-Dibromoethane	11.00	107	297755	51.039	ug/l	99
64) Tetrachloroethene	10.62	164	252315	48.008	ug/l	99
65) Chlorobenzene	11.43	112	767227	50.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283928	50.235	ug/l	100
67) Ethyl Benzene	11.51	91	1418974	53.081	ug/l	98
68) m/p-Xylenes	11.62	106	1052003	105.057	ug/l	99
69) o-Xylene	11.94	106	511456	52.852	ug/l	98
70) Styrene	11.96	104	862770	56.688	ug/l	99
71) Bromoform	12.12	173	224735	51.119	ug/l #	99
73) Isopropylbenzene	12.25	105	1373365	50.241	ug/l	100
74) N-amyl acetate	12.07	43	628781	54.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	440362	47.305	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	414277m	48.422	ug/l	
77) Bromobenzene	12.53	156	336113	48.940	ug/l	97
78) n-propylbenzene	12.59	91	1615920	51.628	ug/l	100
79) 2-Chlorotoluene	12.67	91	956843	49.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1180376	50.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168448	52.003	ug/l	97
82) 4-Chlorotoluene	12.77	91	974150	50.022	ug/l	98
83) tert-Butylbenzene	12.99	119	975544	48.770	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1171764	52.288	ug/l	99
85) sec-Butylbenzene	13.17	105	1328615	51.072	ug/l	100
86) p-Isopropyltoluene	13.29	119	1219596	53.095	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	590510	50.211	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	590835	50.212	ug/l	99
89) n-Butylbenzene	13.62	91	1090908	54.262	ug/l	100
90) Hexachloroethane	13.88	117	215809	46.788	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	577430	49.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97943	52.734	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364035	51.750	ug/l	98
94) Hexachlorobutadiene	15.01	225	182661	45.791	ug/l	99
95) Naphthalene	15.13	128	1172443	59.585	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	359233	55.407	ug/l	98

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

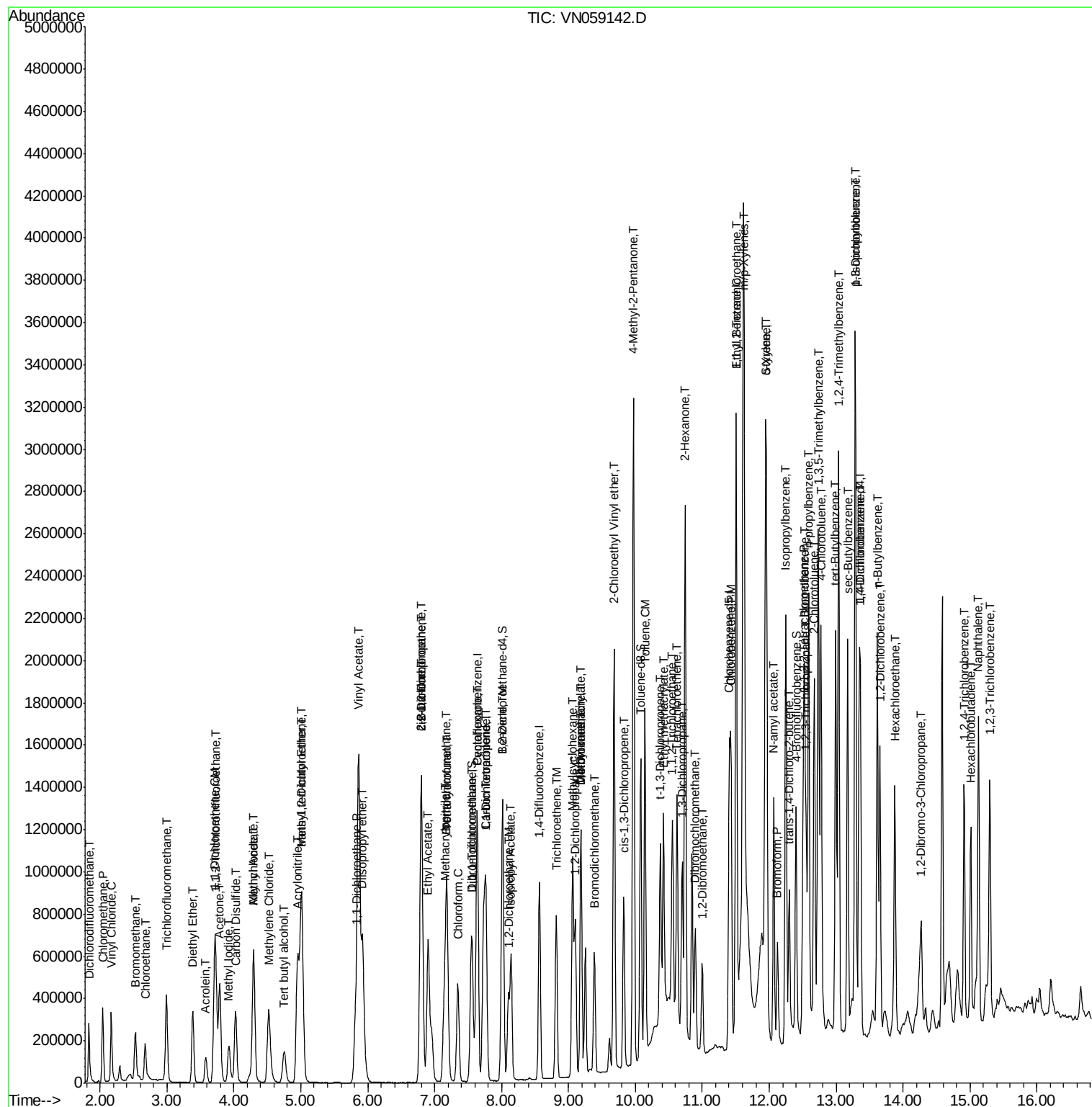
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
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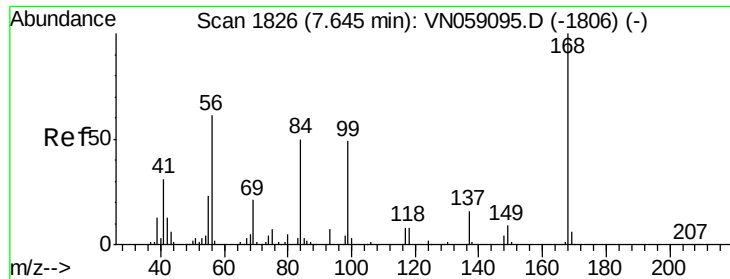
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 523957

Ion Ratio Lower Upper

168 100

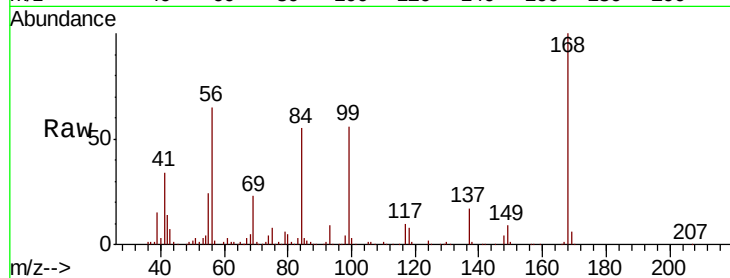
99 55.7 45.7 68.5

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

7.64

250000

200000

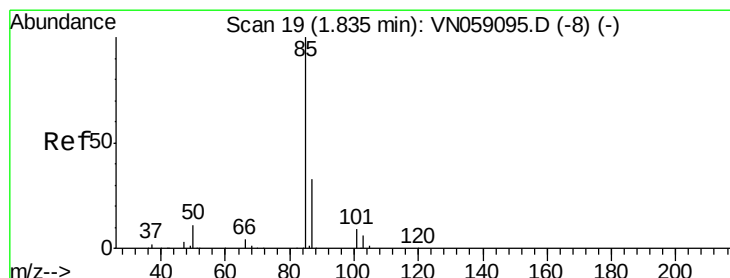
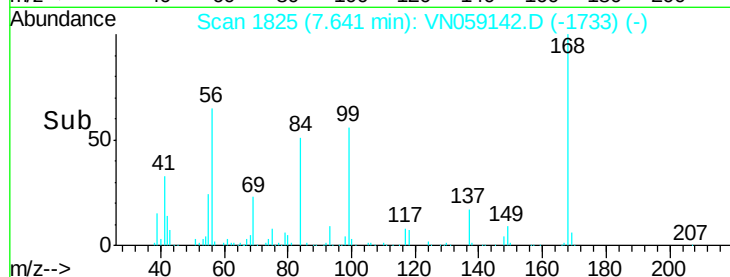
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.343 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059142.D

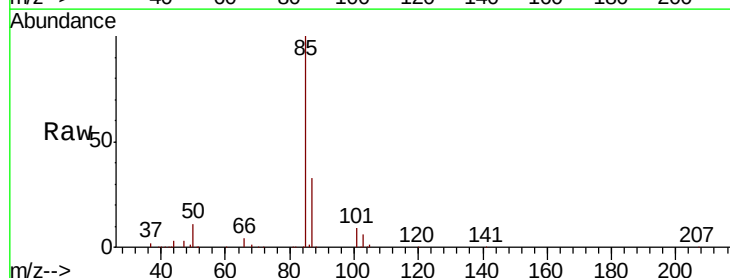
Acq: 8 Nov 2019 18:27

Tgt Ion: 85 Resp: 239371

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

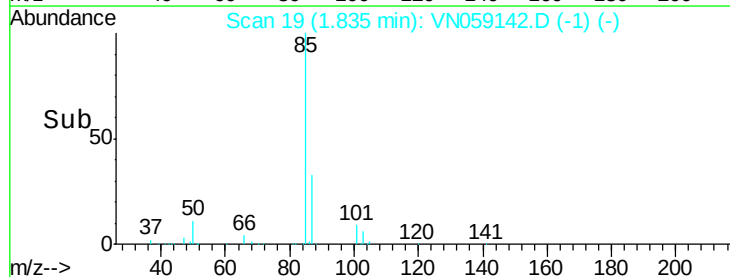
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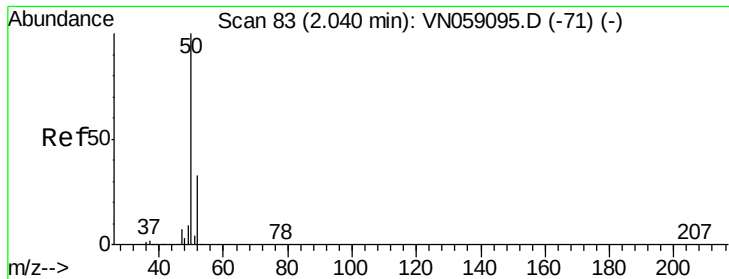
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 44.784 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 321375

Ion Ratio Lower Upper

50 100

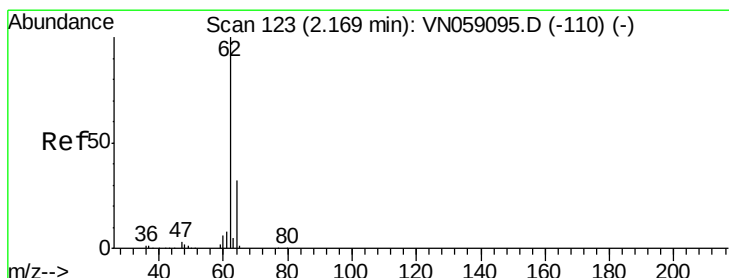
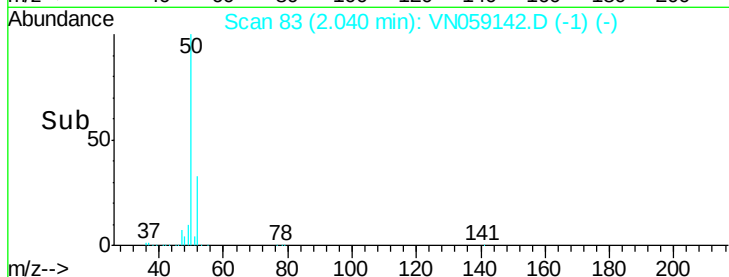
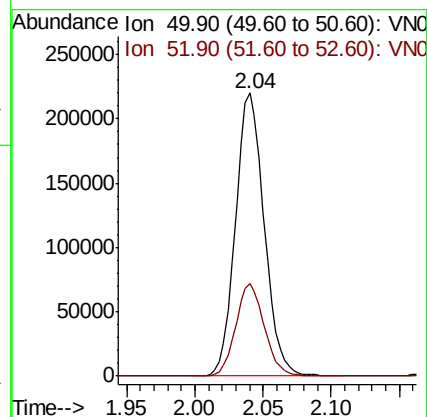
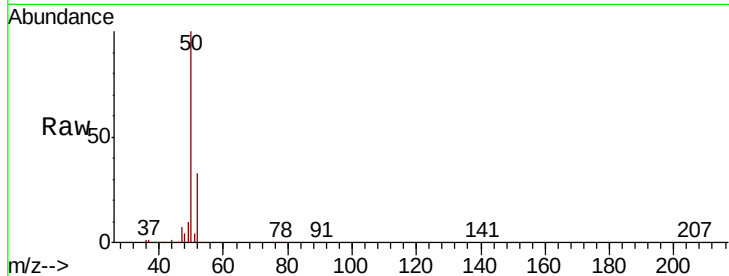
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.353 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059142.D

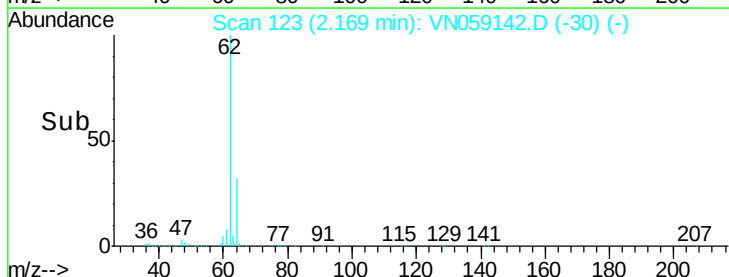
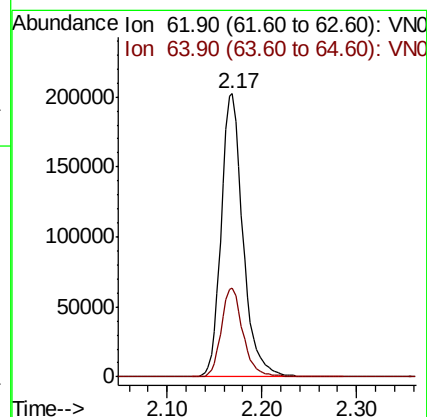
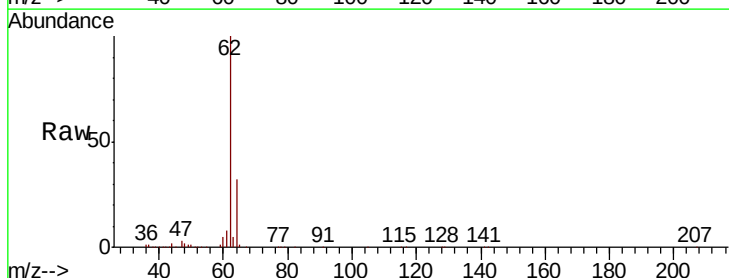
Acq: 8 Nov 2019 18:27

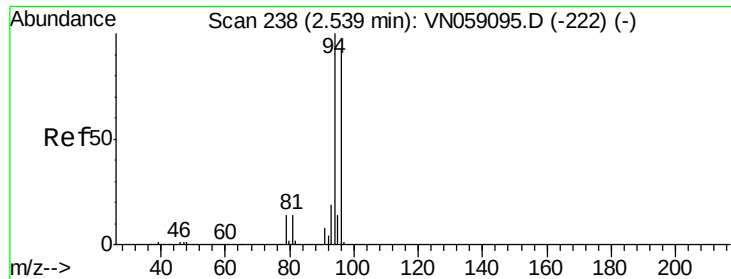
Tgt Ion: 62 Resp: 322493

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 43.666 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 174826

Ion Ratio Lower Upper

94 100

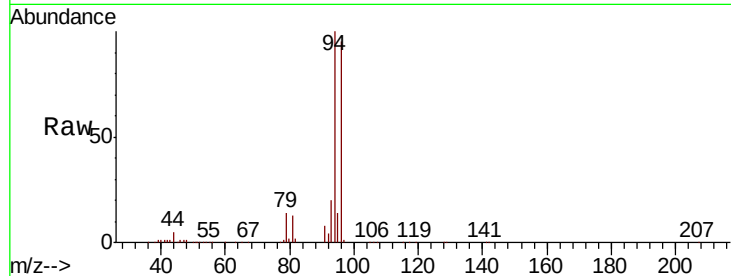
96 94.5 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059142.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059142.D (-145) (-)

2.53

80000

60000

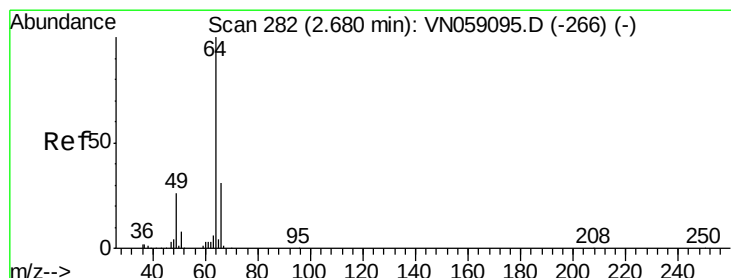
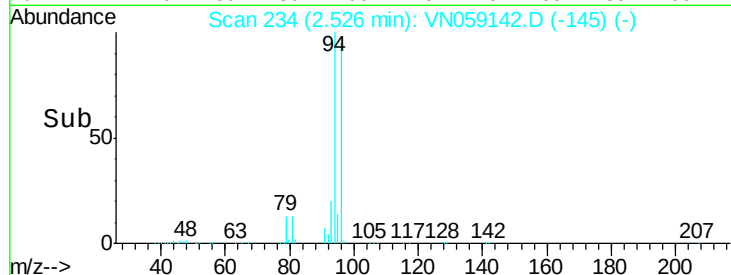
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 46.707 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059142.D

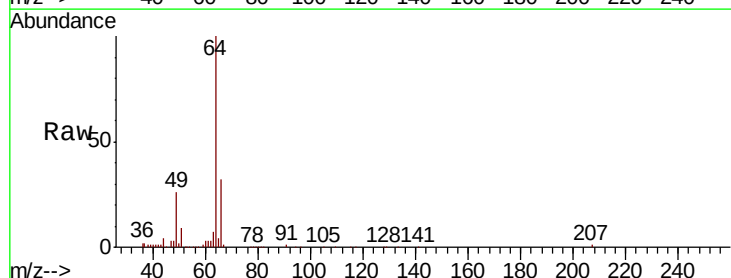
Acq: 8 Nov 2019 18:27

Tgt Ion: 64 Resp: 192226

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059142.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059142.D (-189) (-)

2.67

100000

80000

60000

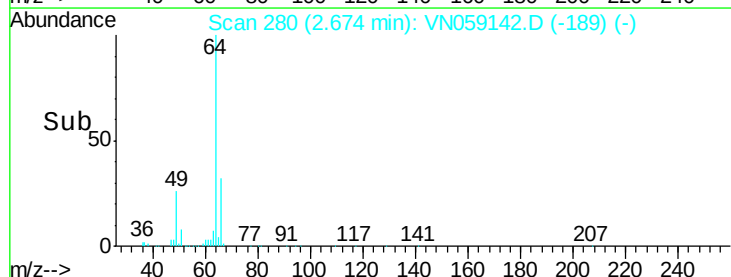
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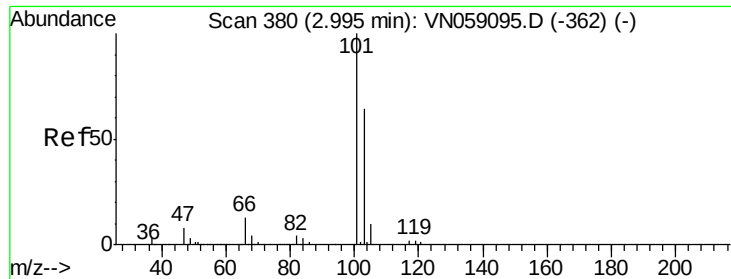
20000

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Time-->

2.60 2.70 2.80





#7

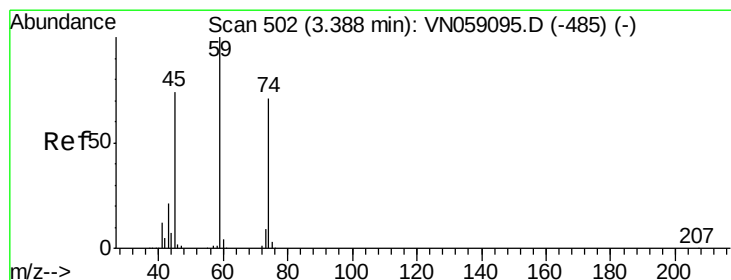
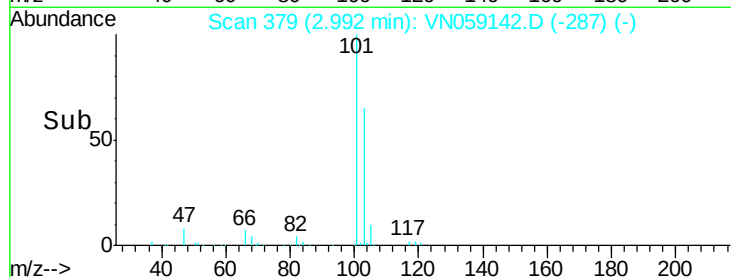
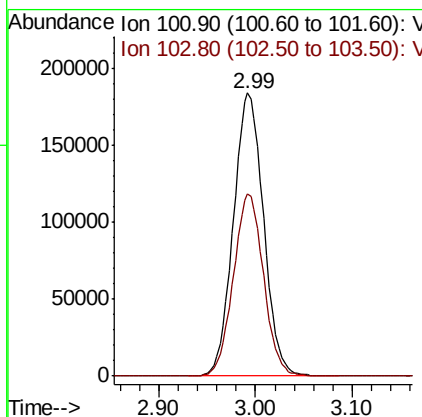
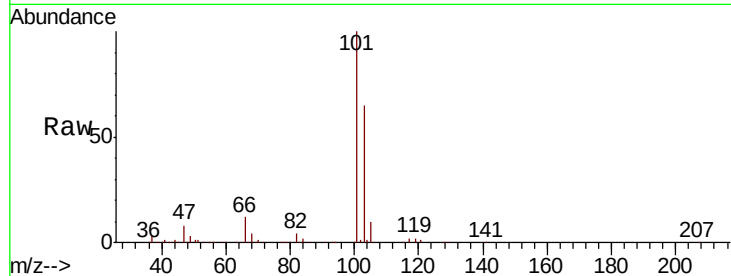
Trichlorofluoromethane
Concen: 47.902 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

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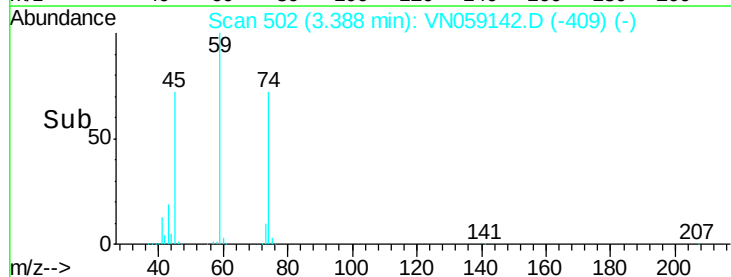
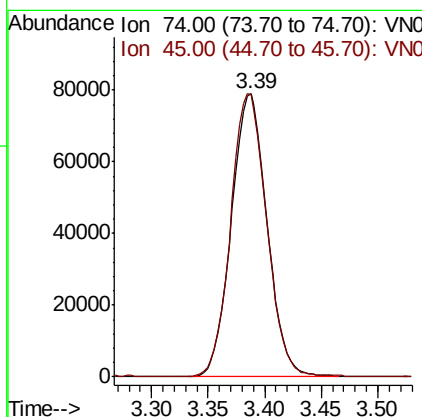
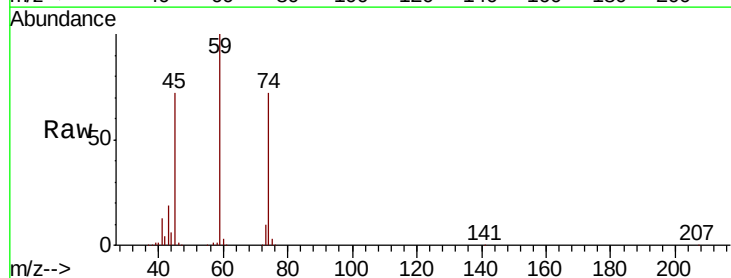
MMDadoda
11/11/2019 10:35:24 AM

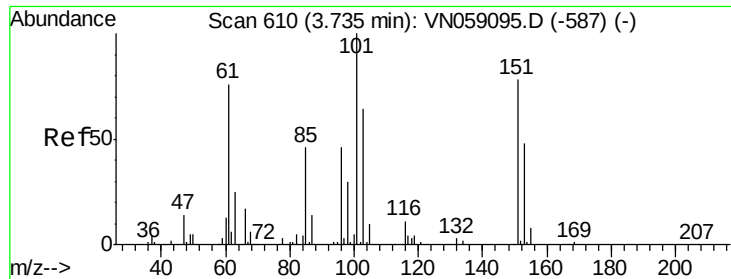


#8

Diethyl Ether
Concen: 51.387 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.995 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

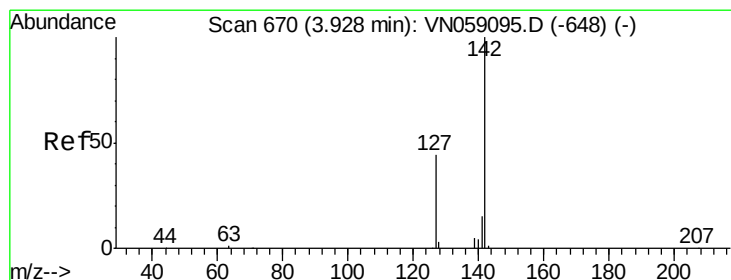
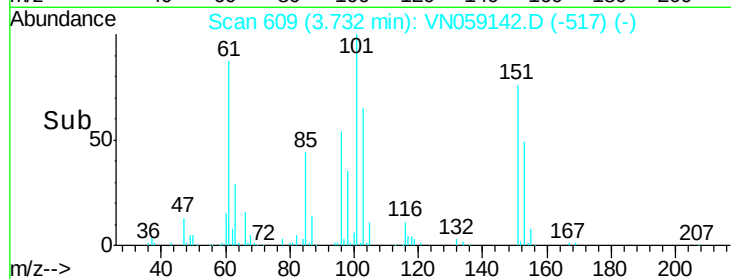
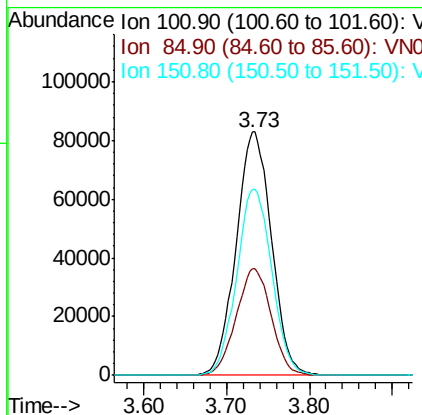
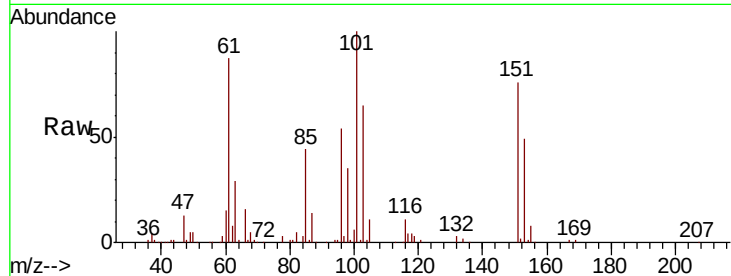
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	245832
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	76.1	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.243 ug/l

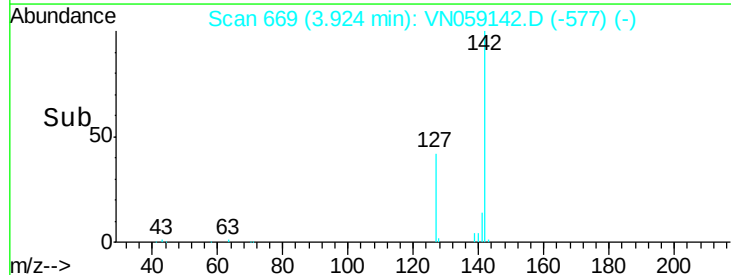
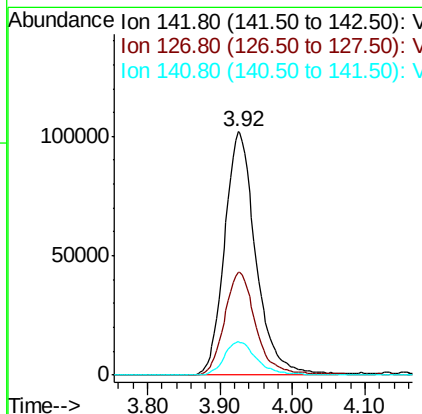
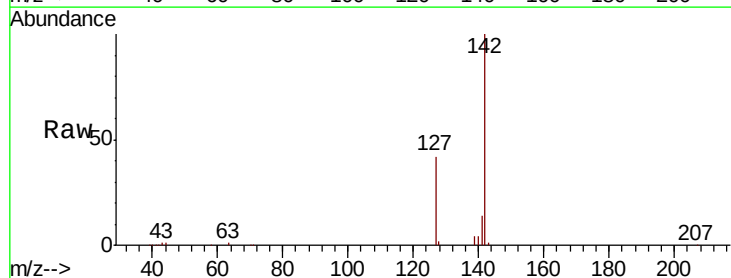
RT: 3.92 min Scan# 669

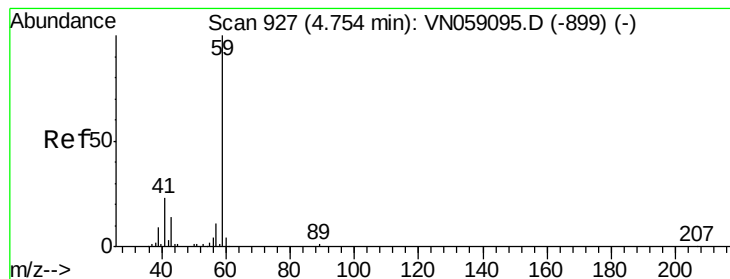
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	142	Resp:	305828
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.2	51.2
141	14.4	11.4	17.0





#11

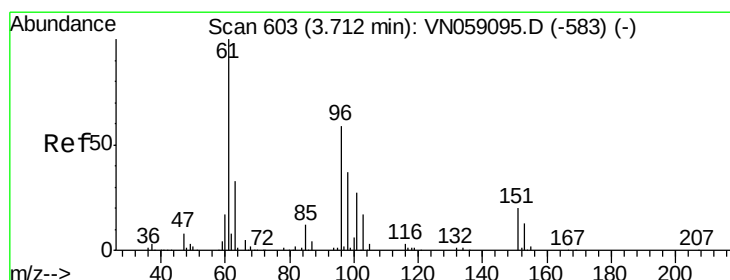
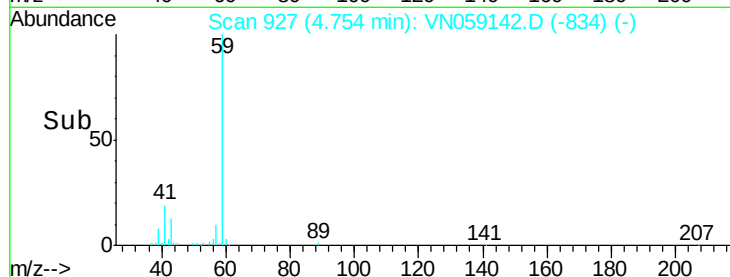
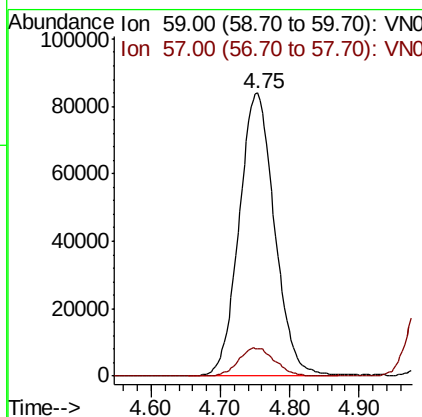
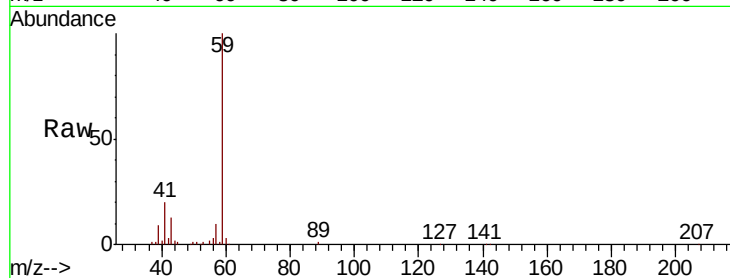
Tert butyl alcohol
Concen: 243.225 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	298552
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

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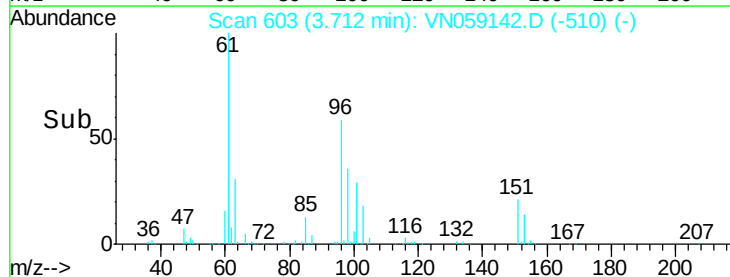
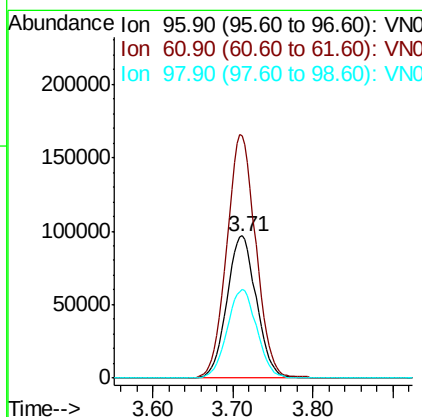
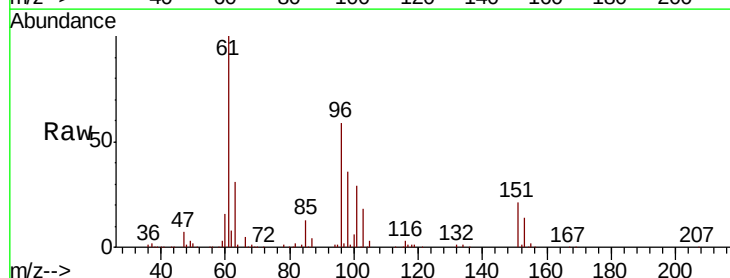
MMDadoda
11/11/2019 10:35:24 AM

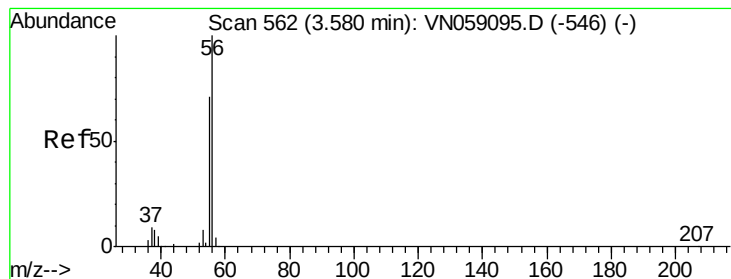


#12

1,1-Dichloroethene
Concen: 49.790 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	96	Resp	243361
Ion Ratio	100	Lower	Upper
61	170.6	136.5	204.7
98	62.2	50.2	75.4





#13

Acrolein

Concen: 223.675 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 141555

Ion Ratio Lower Upper

56 100

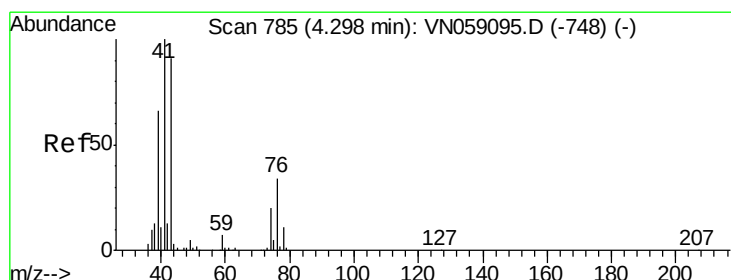
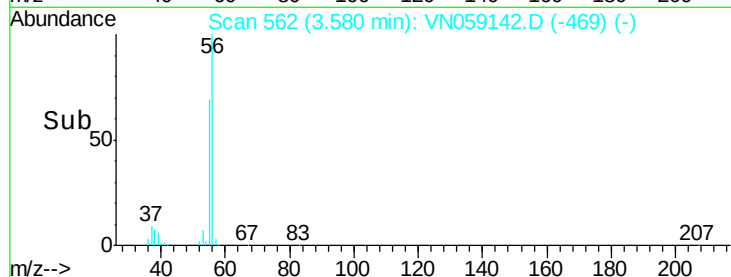
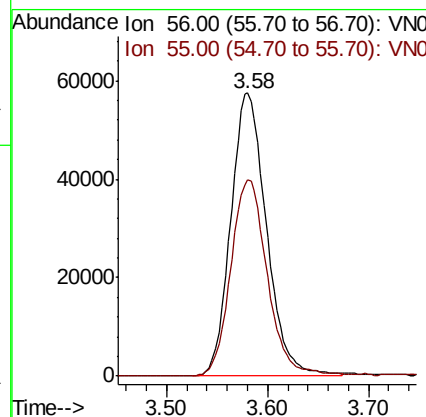
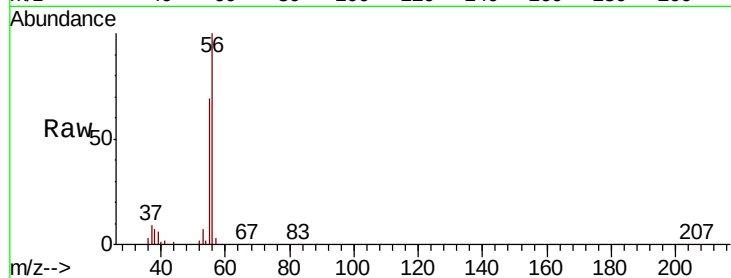
55 71.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.696 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

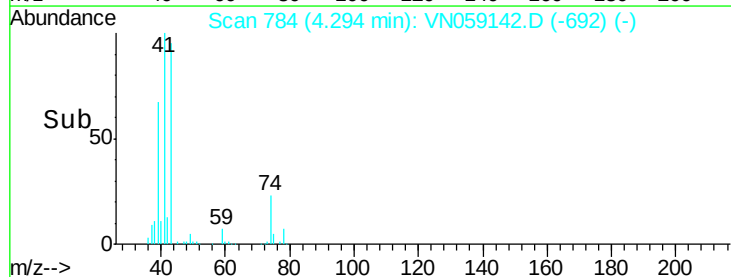
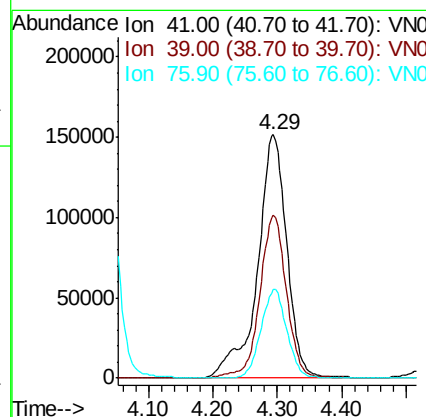
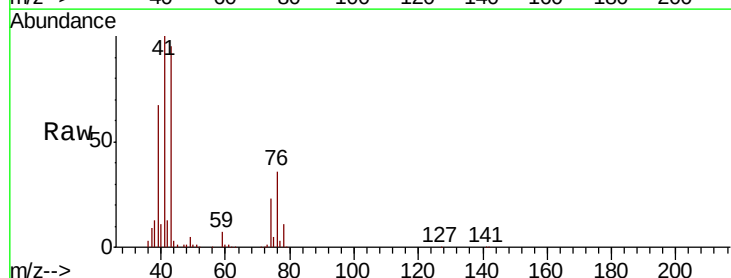
Tgt Ion: 41 Resp: 478871

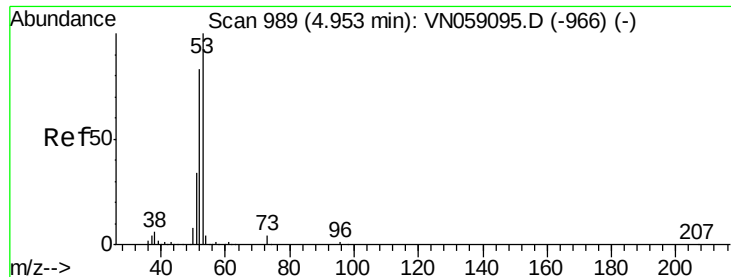
Ion Ratio Lower Upper

41 100

39 60.9 49.1 73.7

76 32.2 24.9 37.3





#15

Acrylonitrile

Concen: 259.188 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

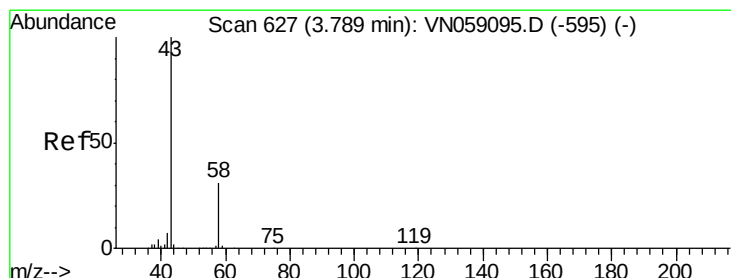
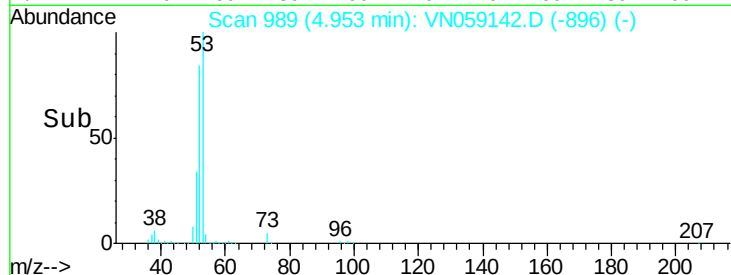
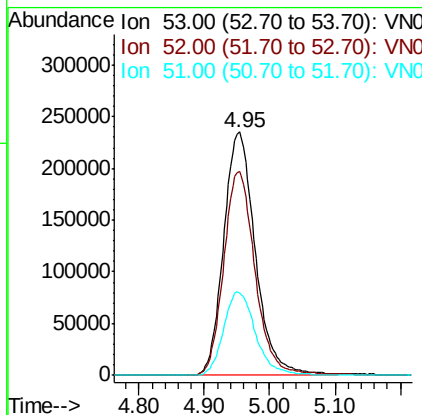
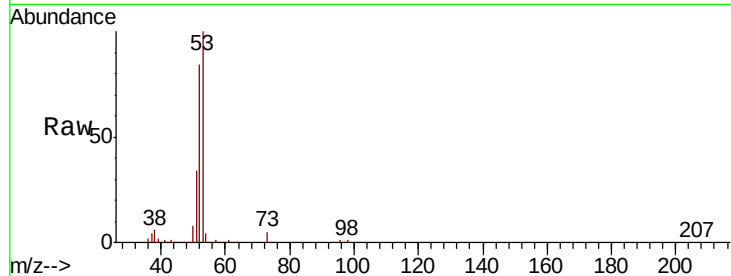
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	791757
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.0	97.6
51	34.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 228.435 ug/l

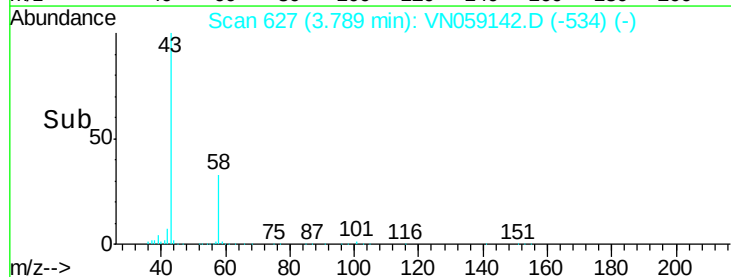
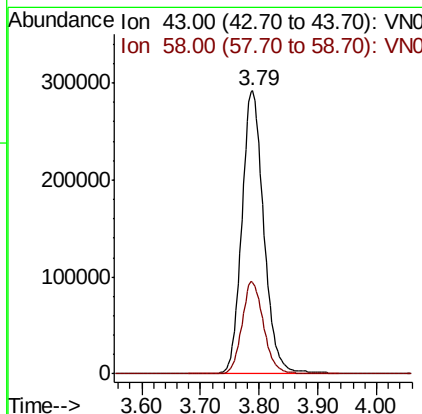
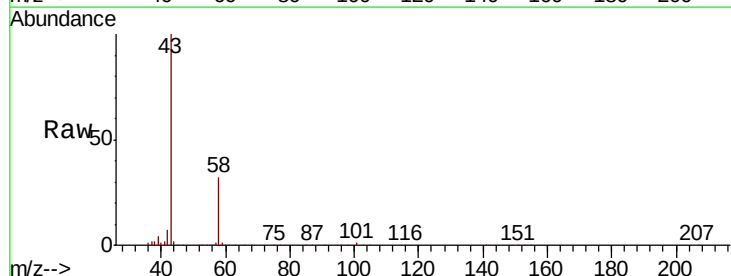
RT: 3.79 min Scan# 627

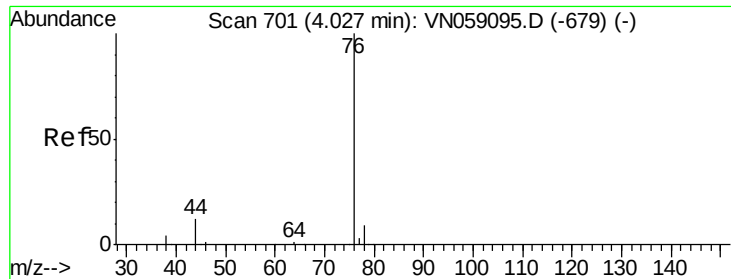
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	43	Resp:	765105
Ion Ratio	Lower	Upper	
43	100		
58	32.4	24.9	37.3





#17

Carbon Disulfide

Concen: 44.749 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 678955

Ion Ratio Lower Upper

76 100

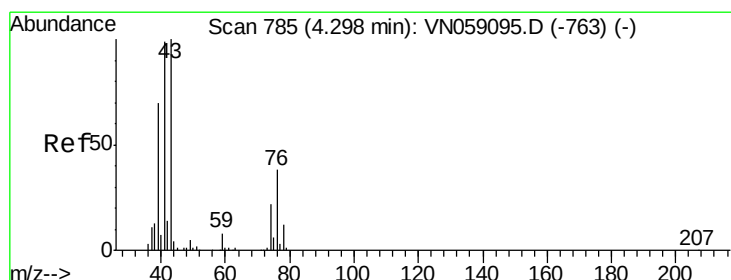
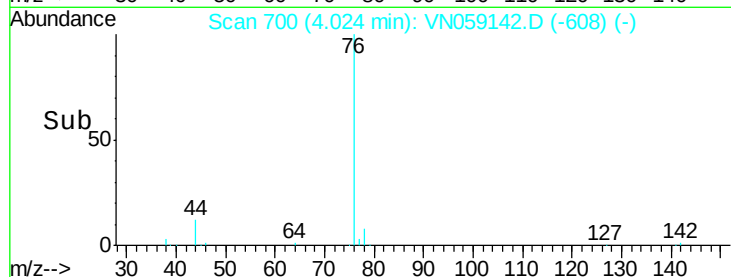
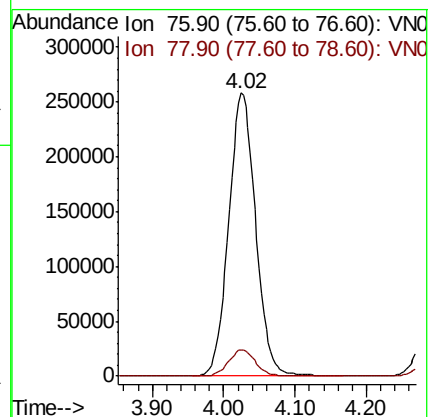
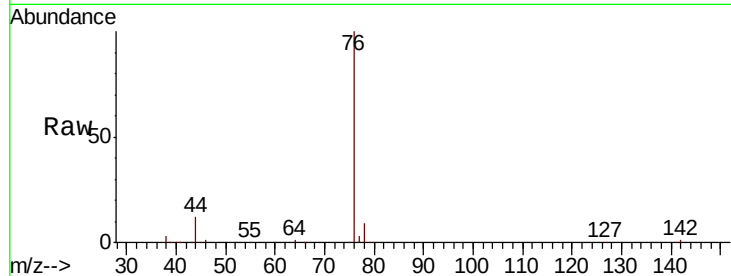
78 9.2 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 51.081 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059142.D

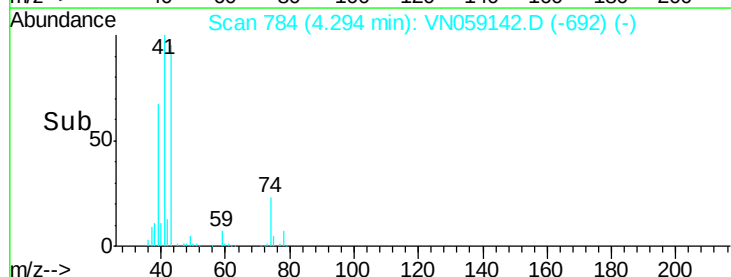
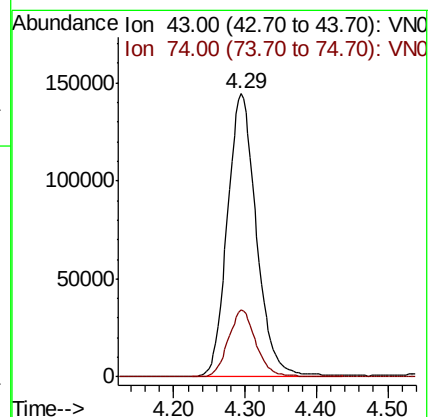
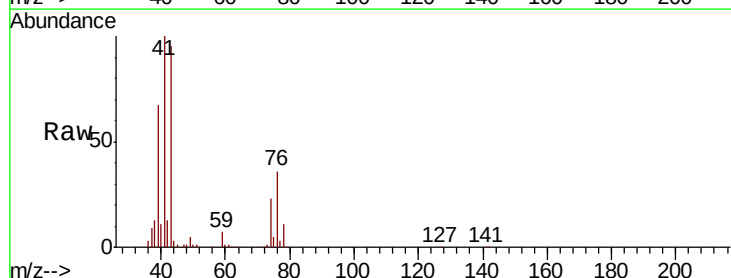
Acq: 8 Nov 2019 18:27

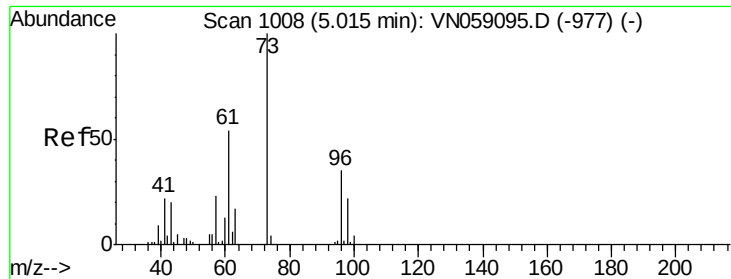
Tgt Ion: 43 Resp: 406092

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.8





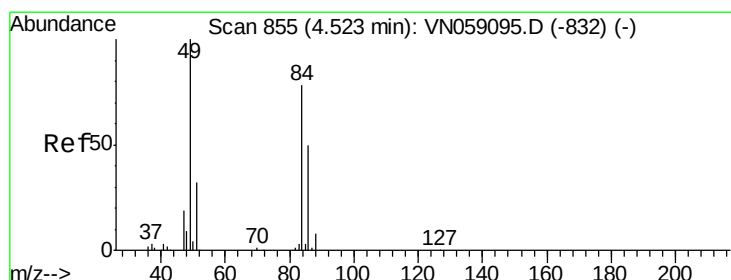
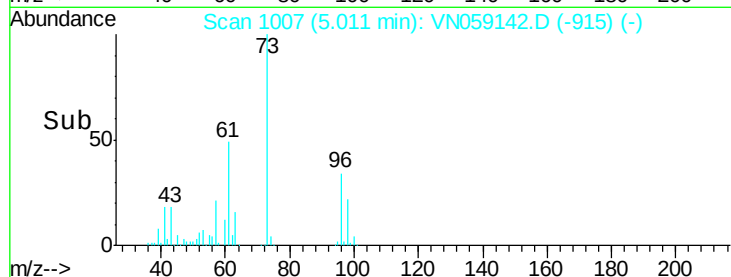
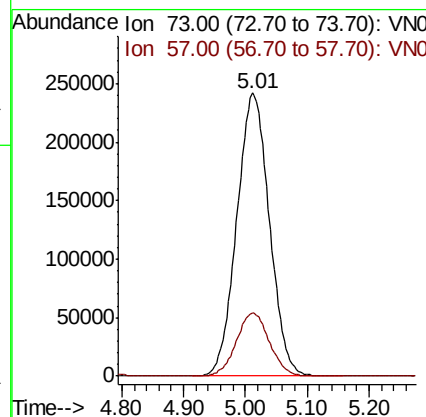
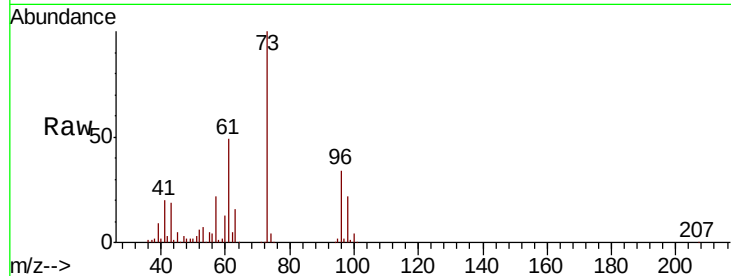
#19
Methyl tert-butyl Ether
Concen: 52.587 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 884918
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

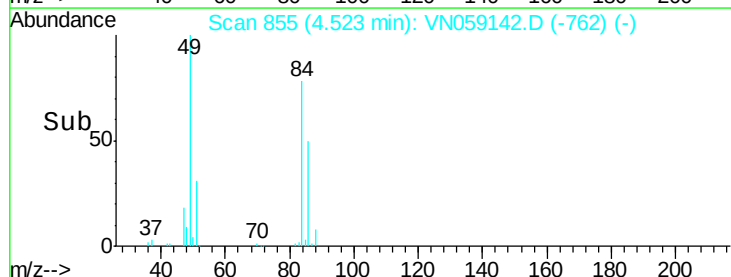
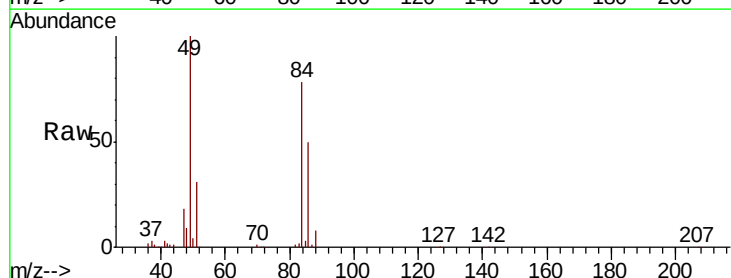
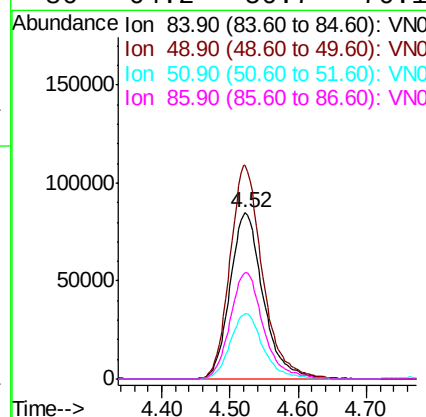
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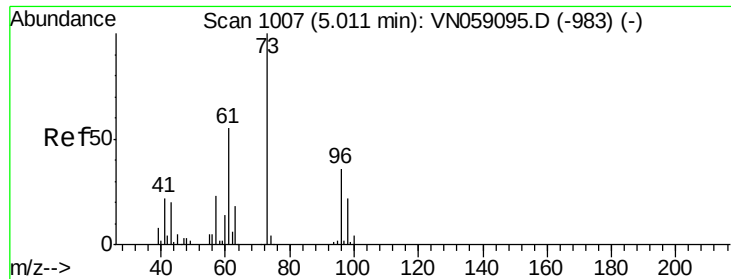
MMDadoda
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#20
Methylene Chloride
Concen: 49.116 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 84 Resp: 286595
Ion Ratio Lower Upper
84 100
49 128.2 102.0 153.0
51 39.4 32.2 48.2
86 64.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.251 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

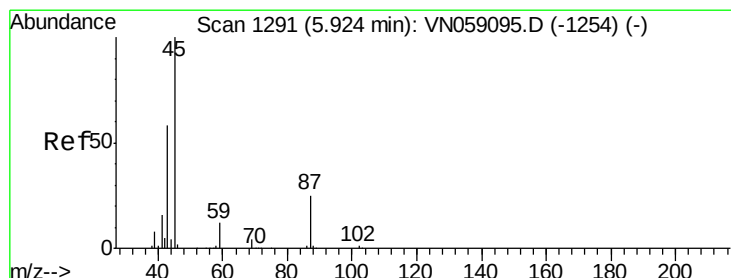
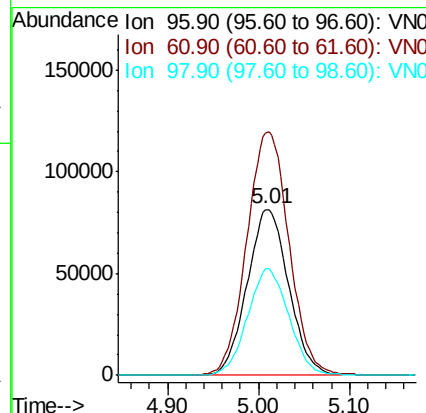
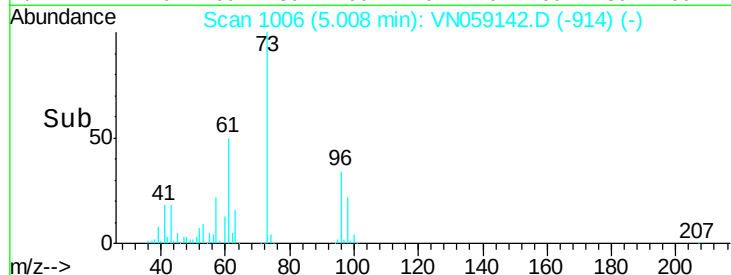
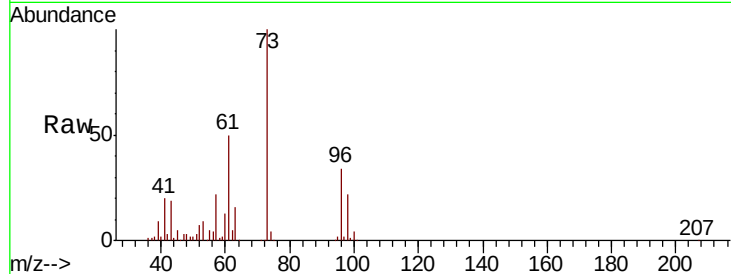
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	258394
Ion	Ratio	Lower	Upper
96	100		
61	146.4	122.6	183.8
98	64.2	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.289 ug/l

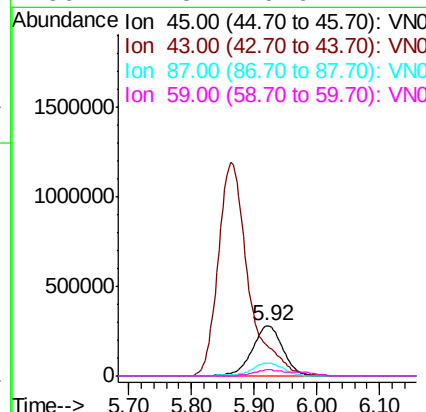
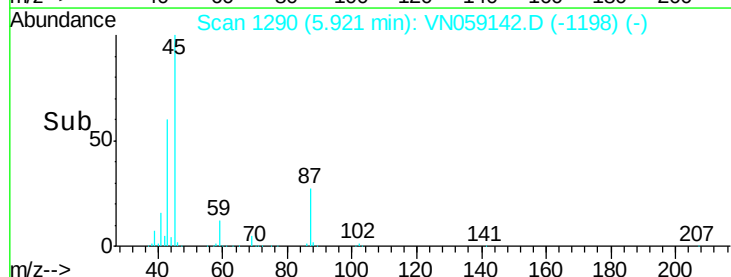
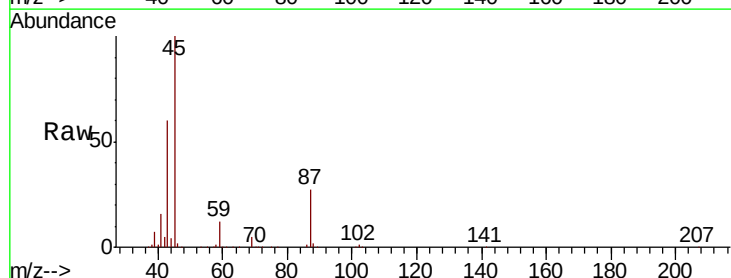
RT: 5.92 min Scan# 1290

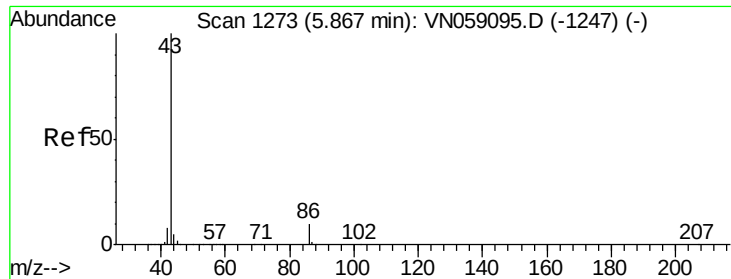
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	45	Resp:	953677
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.7	70.1
87	26.6	20.5	30.7
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 271.418 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3989163

Ion Ratio Lower Upper

43 100

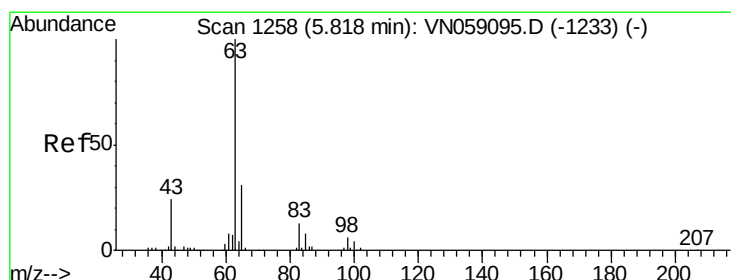
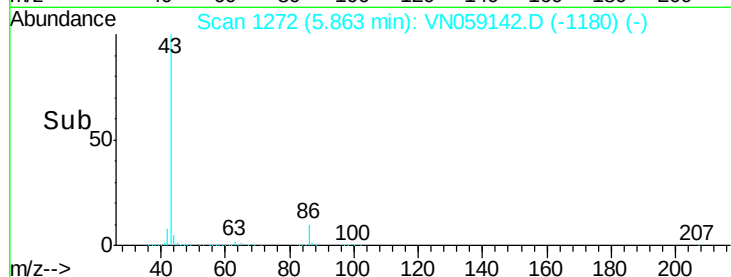
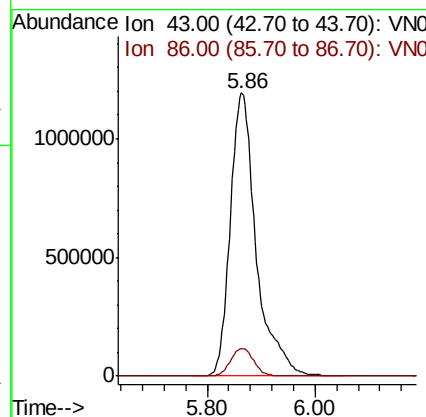
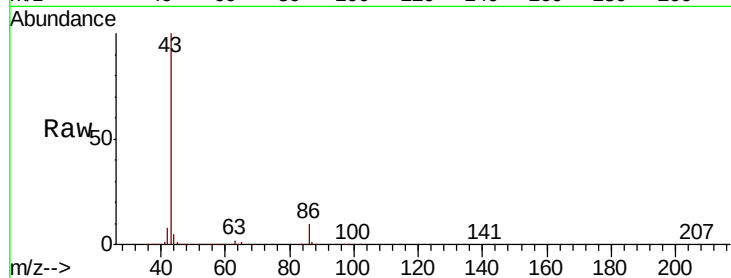
86 9.9 7.7 11.5

Manual Integrations

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MMDadoda

11/11/2019 10:35:24 AM



#24

1,1-Dichloroethane

Concen: 49.789 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

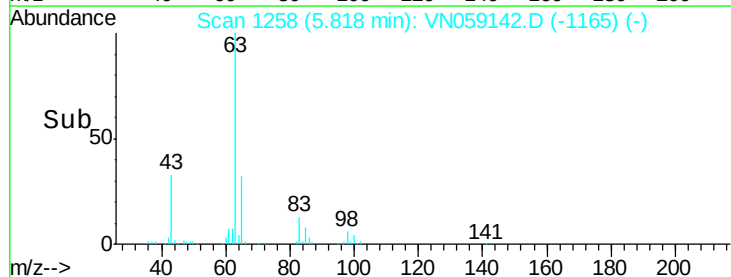
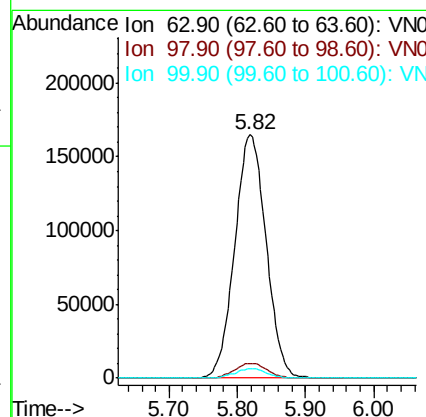
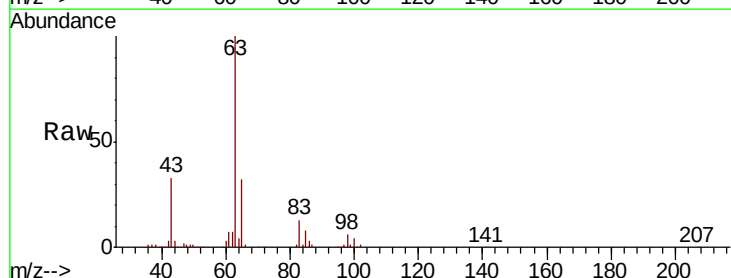
Tgt Ion: 63 Resp: 527366

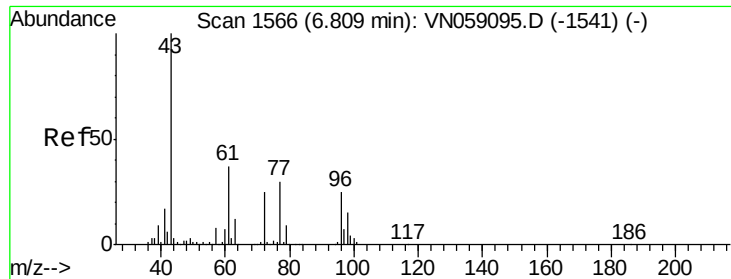
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.8 1.9 5.7





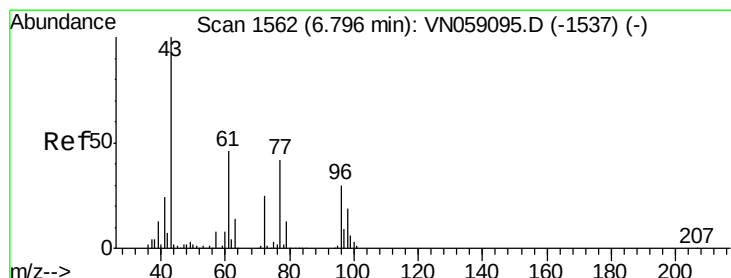
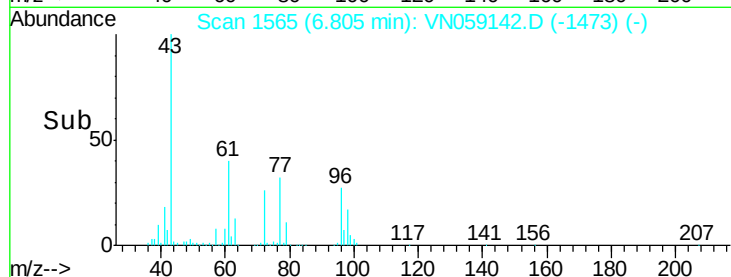
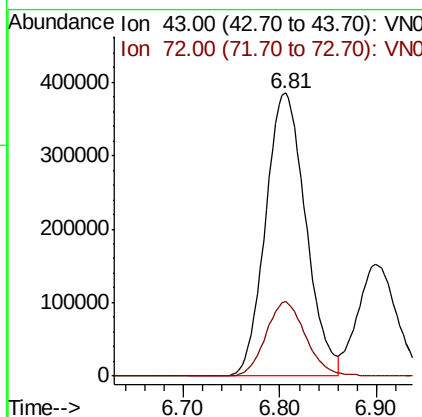
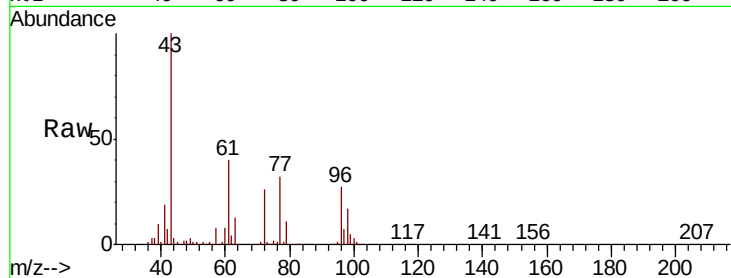
#25
2-Butanone
Concen: 251.114 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1108473
Ion Ratio Lower Upper
43 100
72 26.4 20.3 30.5

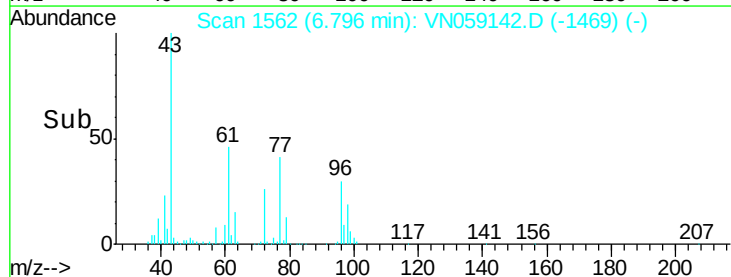
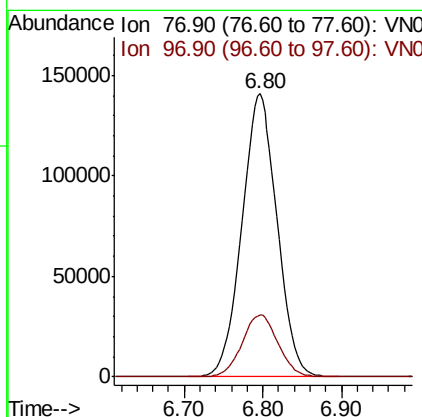
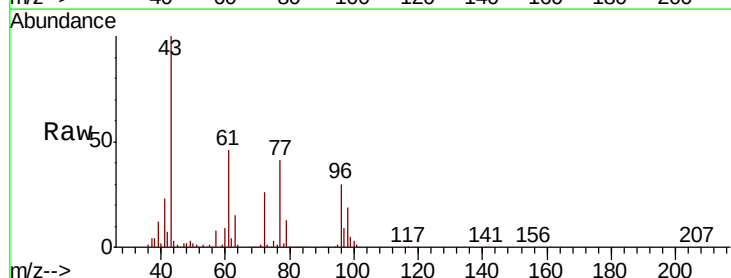
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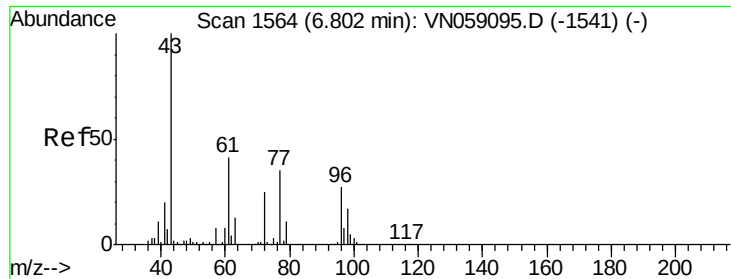
MMDadoda
11/11/2019 10:35:24 AM



#26
2,2-Dichloropropane
Concen: 47.860 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 77 Resp: 443264
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.313 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

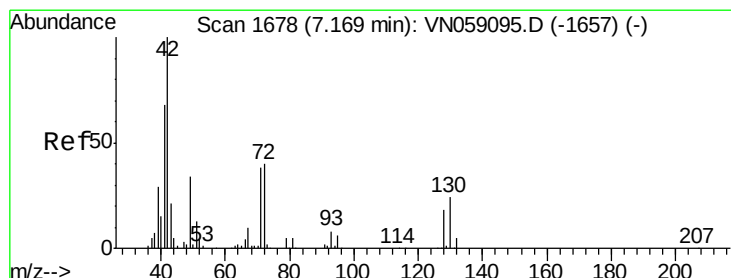
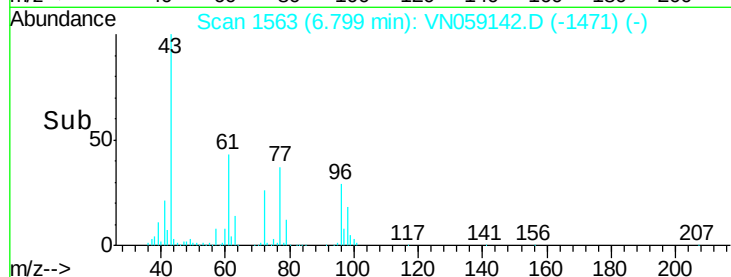
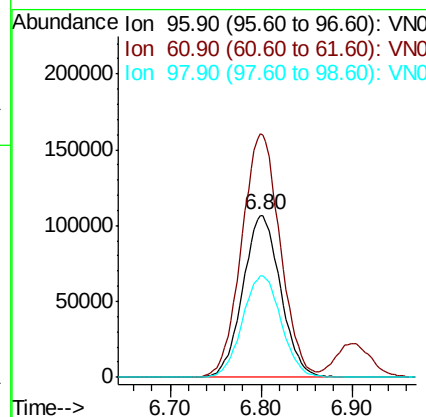
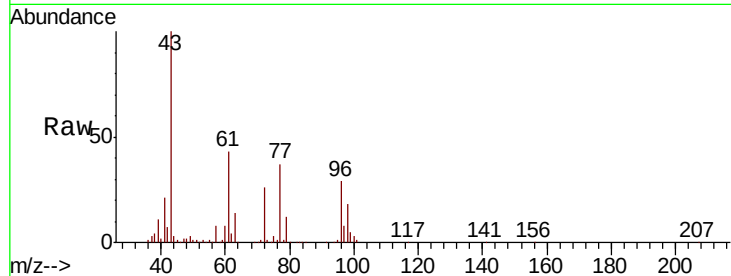
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	306242
Ion Ratio	Lower	Upper	
96	100		
61	153.8	0.0	311.6
98	64.6	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.407 ug/l

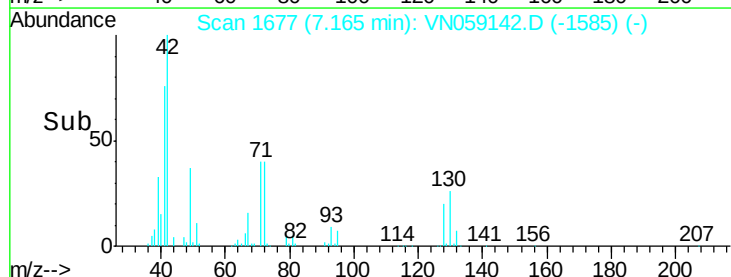
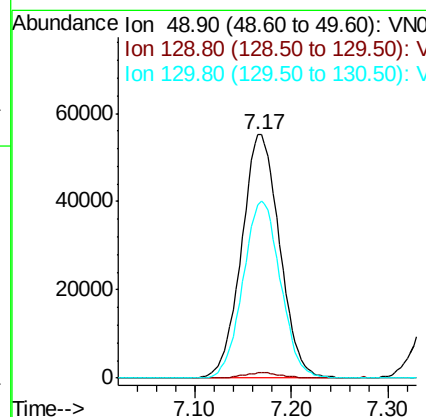
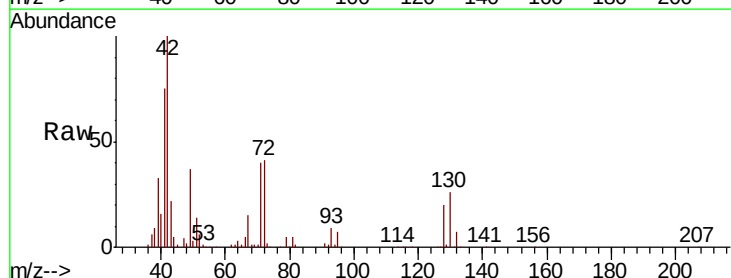
RT: 7.17 min Scan# 1677

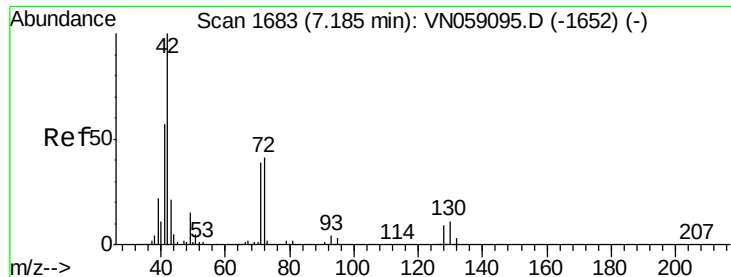
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	49	Resp:	151071
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	71.6	55.6	83.4





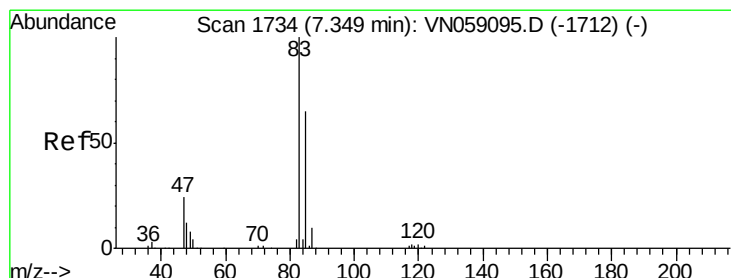
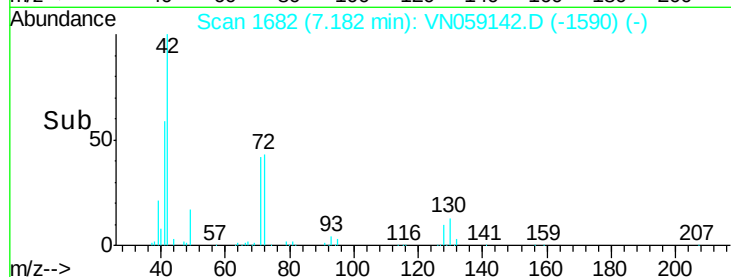
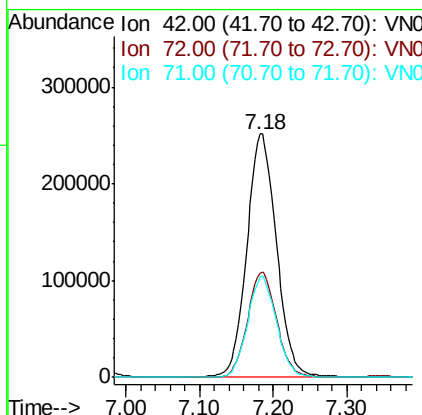
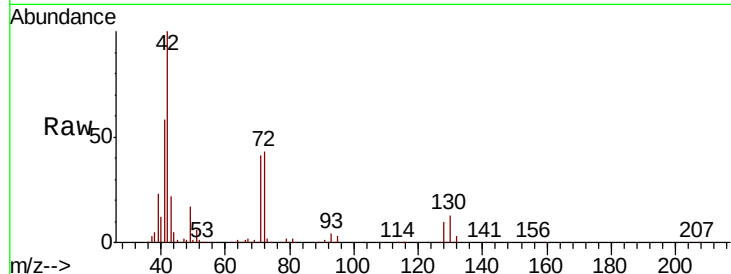
#29
Tetrahydrofuran
Concen: 250.741 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.1	49.7
71	40.8	30.9	46.3

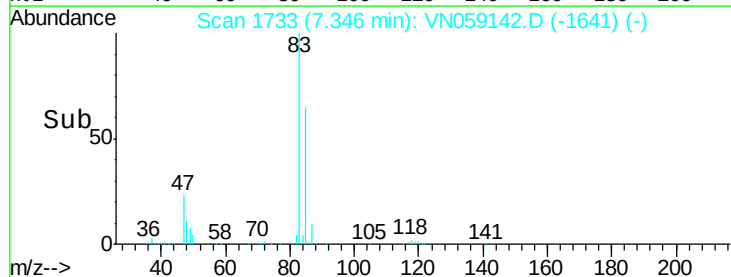
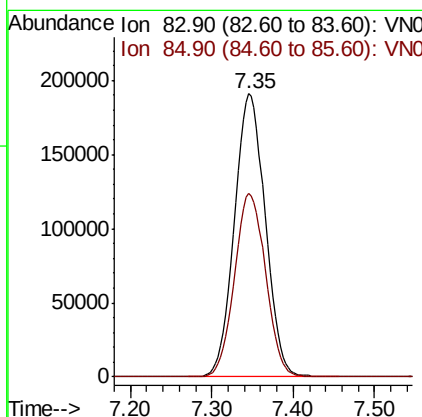
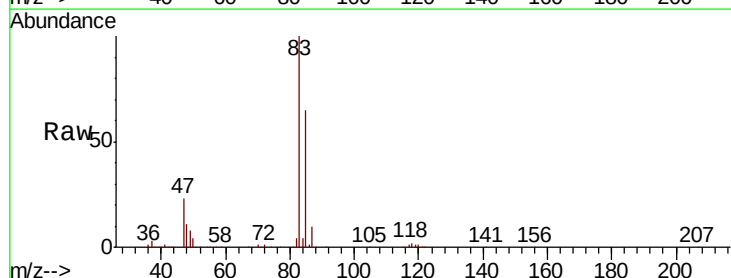
Manual Integrations
APPROVED

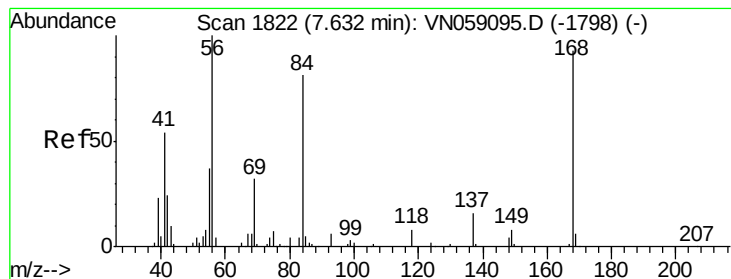
MMDadoda
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#30
Chloroform
Concen: 49.432 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





#31

Cyclohexane

Concen: 47.227 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

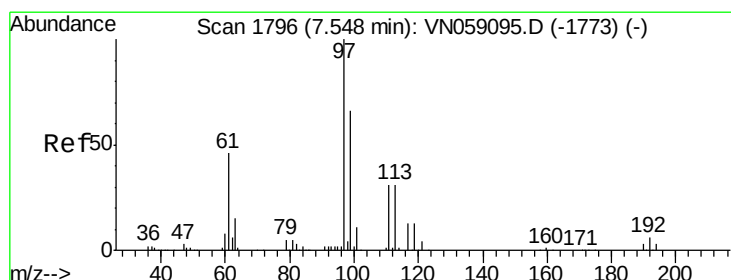
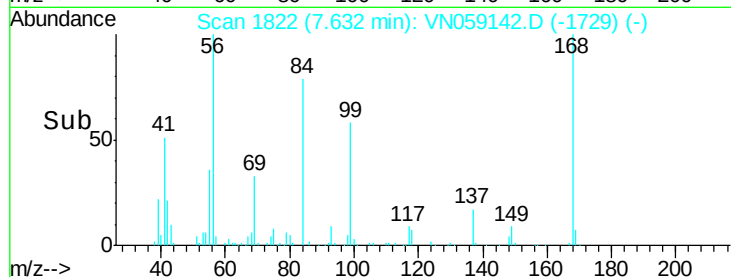
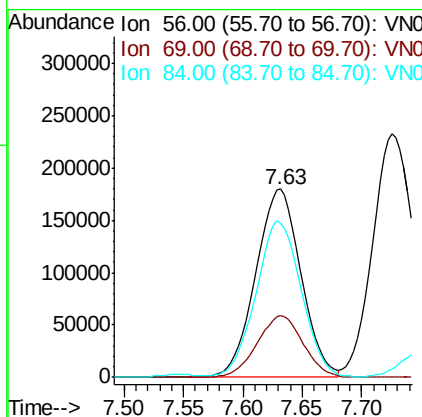
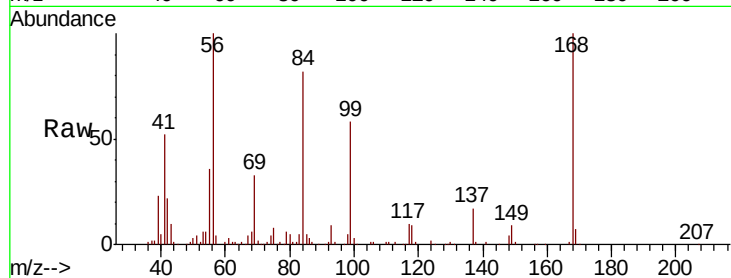
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	473556
Ion Ratio	Lower	Upper	
56	100		
69	32.9	25.8	38.8
84	80.7	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.102 ug/l

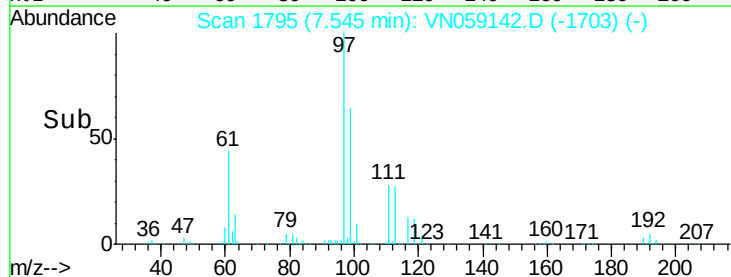
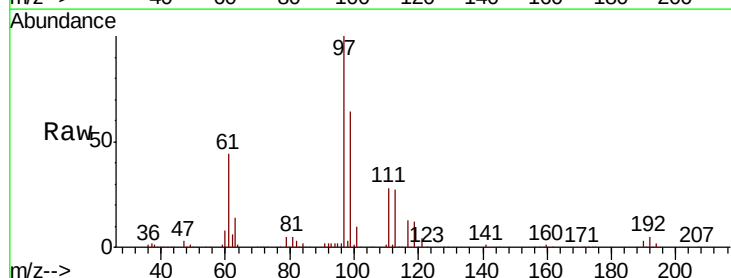
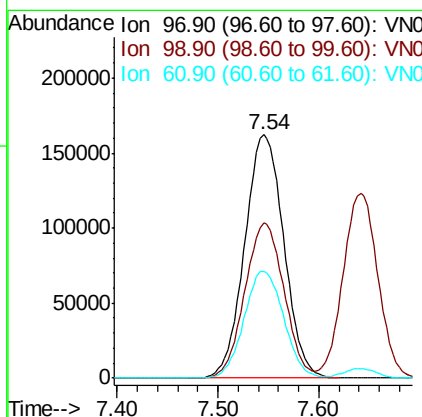
RT: 7.54 min Scan# 1795

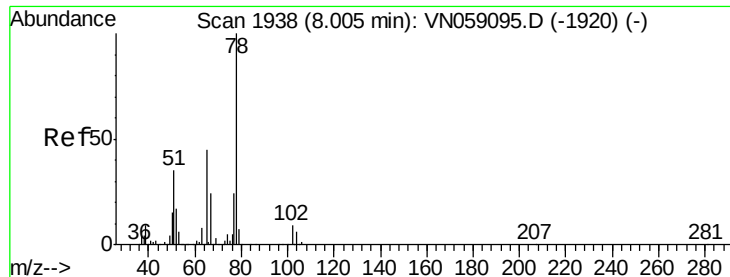
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	97	Resp:	436538
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.6
61	44.5	35.8	53.8





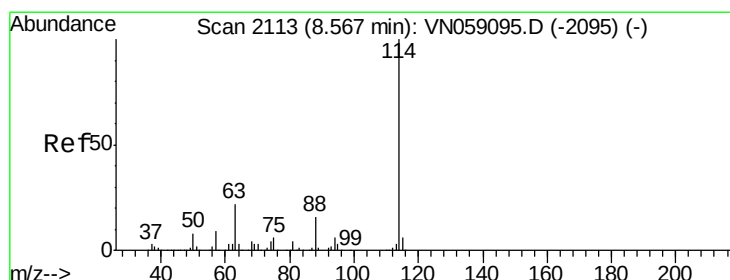
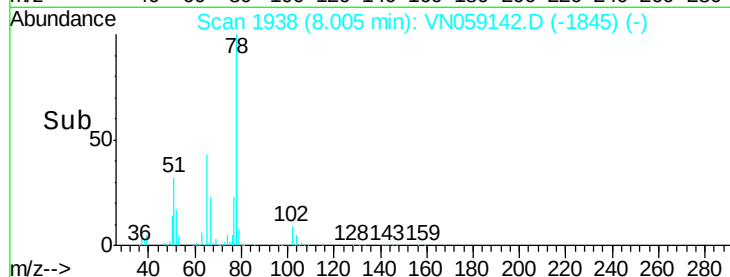
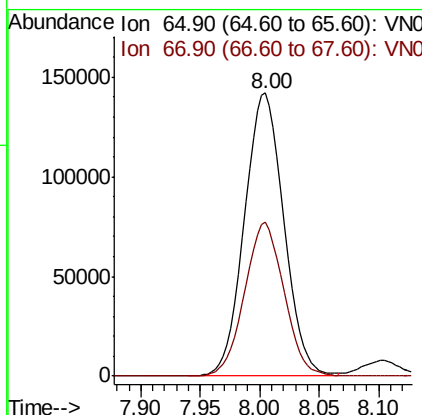
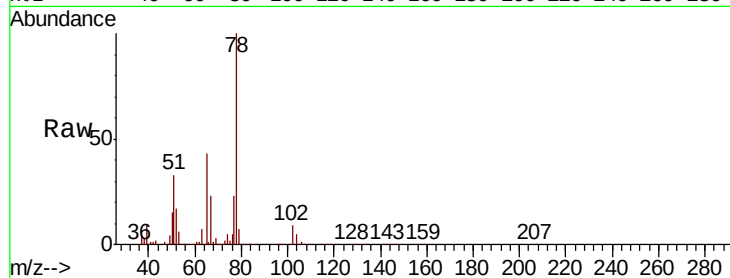
#33
 1,2-Dichloroethane-d4
 Concen: 50.706 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.4

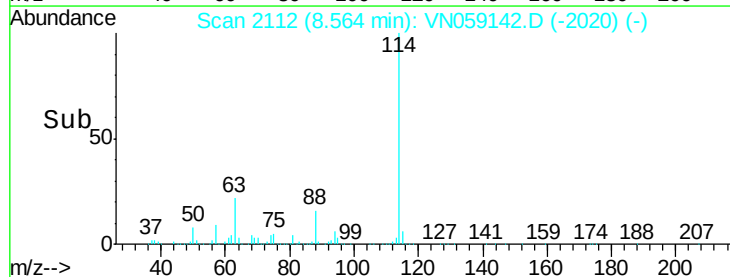
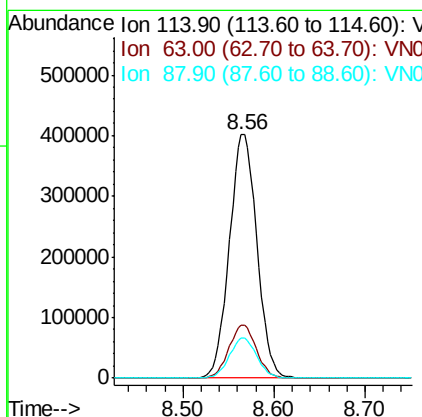
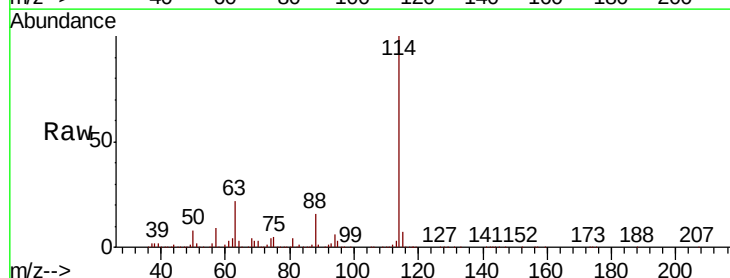
Manual Integrations
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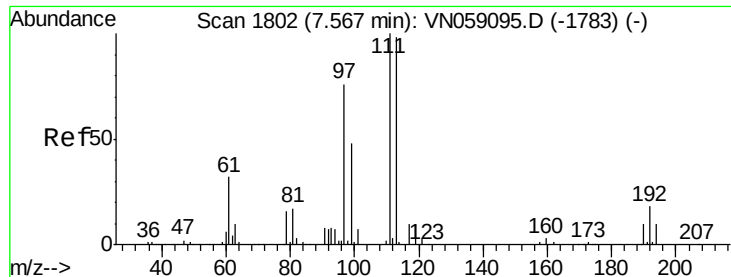
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 11/11/2019 10:35:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.4	0.0	32.2





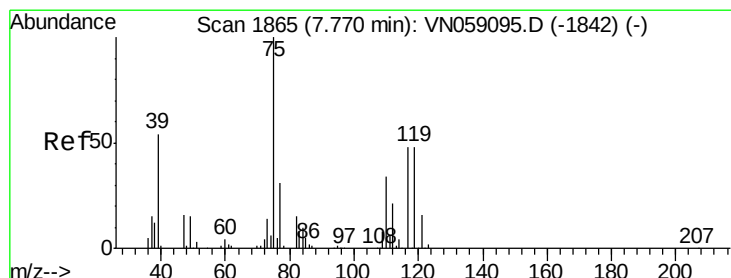
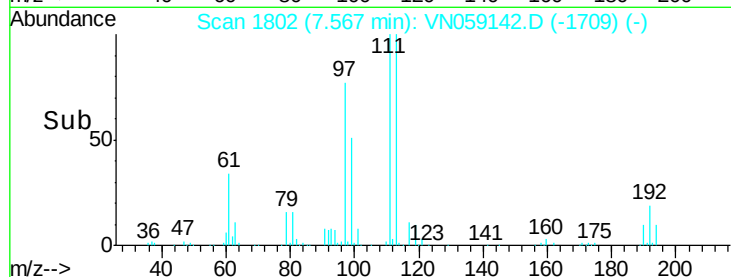
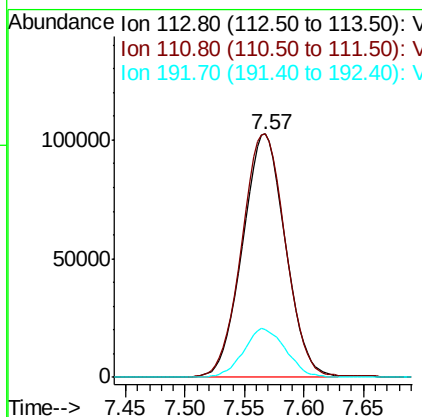
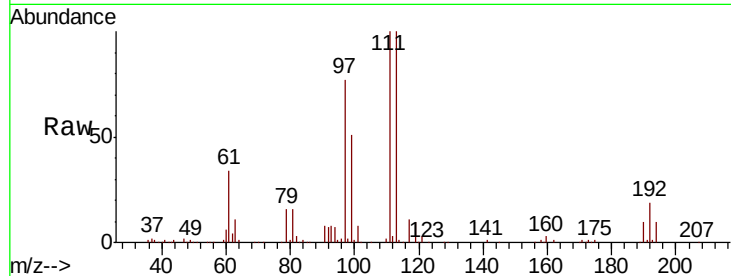
#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255526		
111	102.7		82.8	124.2
192	19.8		16.1	24.1

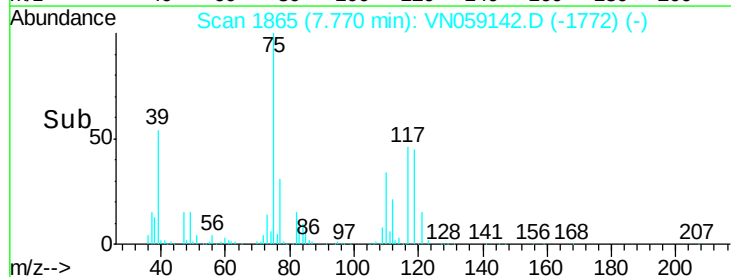
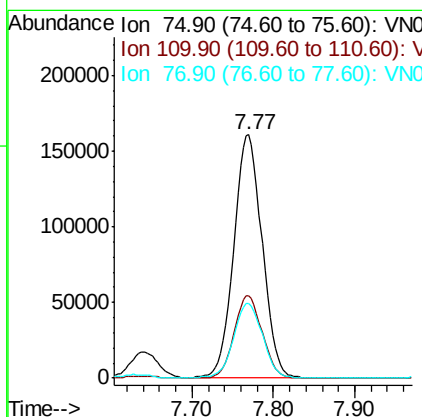
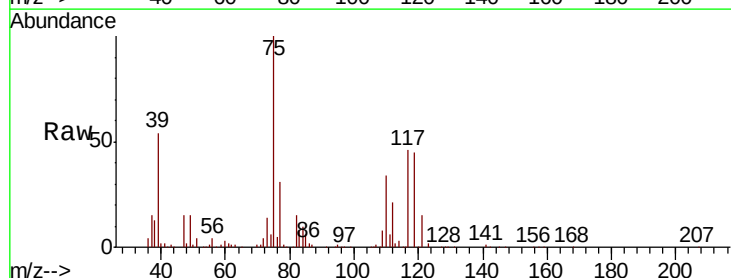
Manual Integrations
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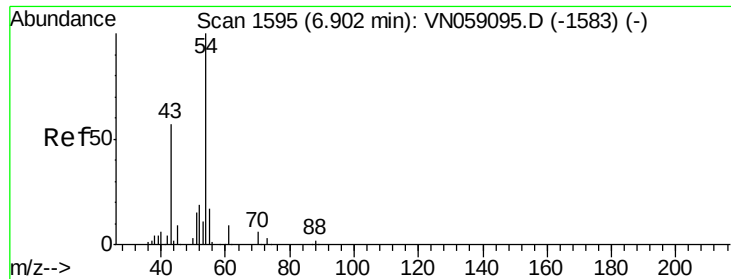
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#36
1,1-Dichloropropene
Concen: 49.187 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	388047		
110	33.5		17.1	51.2
77	31.3		24.8	37.2





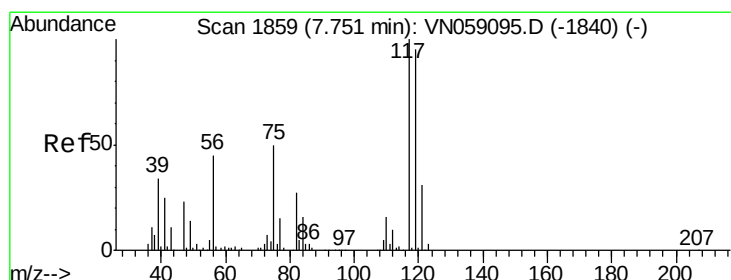
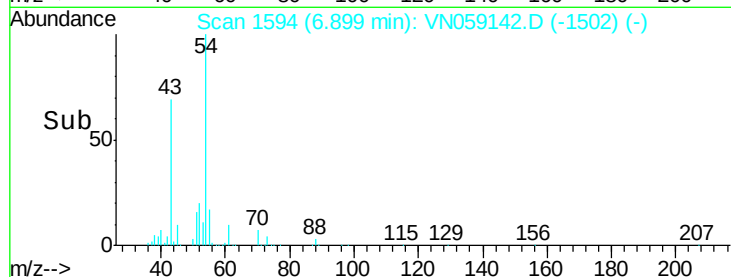
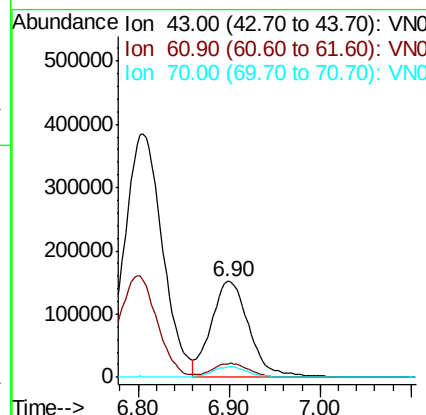
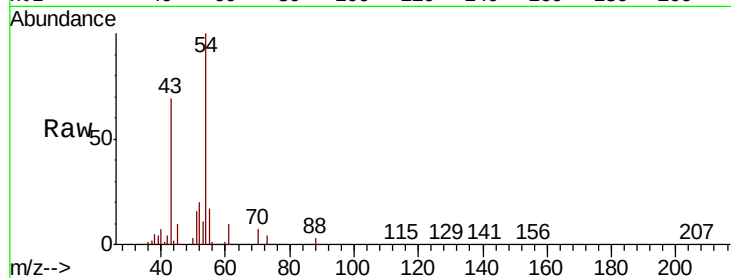
#37
Ethyl Acetate
Concen: 49.659 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	10.5	7.8	11.8

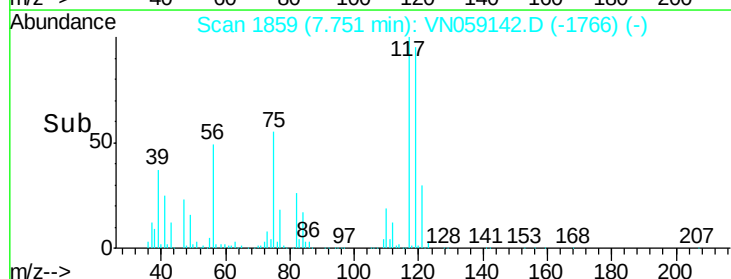
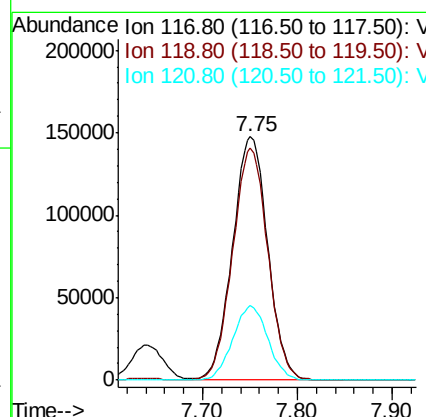
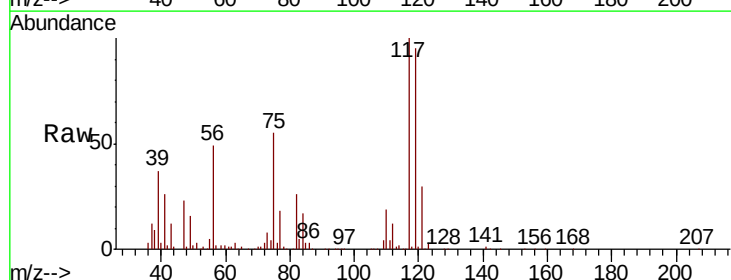
Manual Integrations
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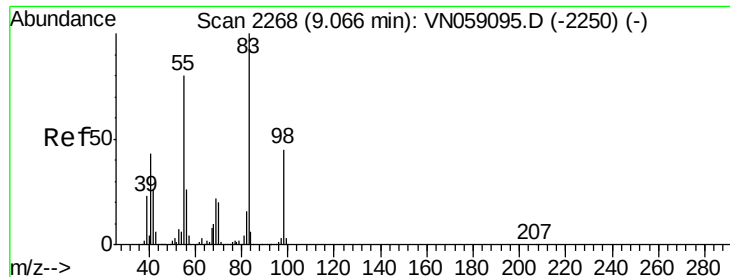
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#38
Carbon Tetrachloride
Concen: 48.379 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	30.5	24.6	36.8





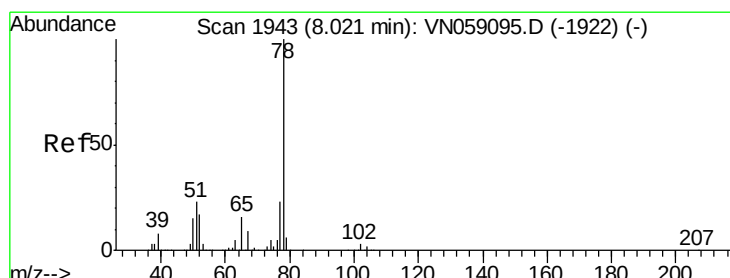
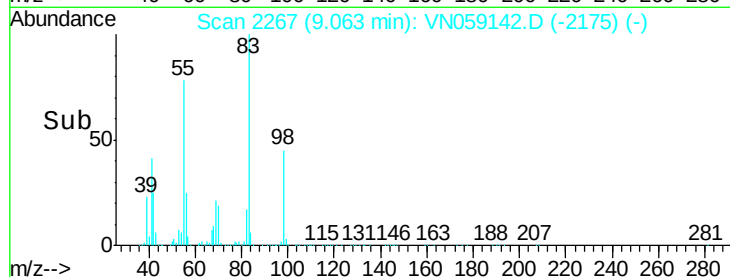
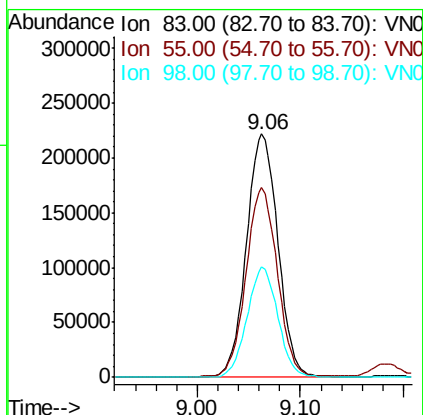
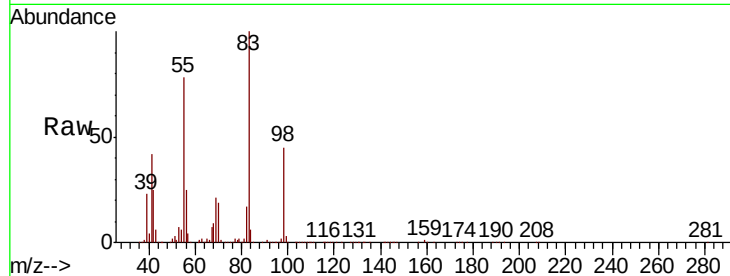
#39
Methylvlcyclohexane
Concen: 51.122 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	63.9	95.9
98	45.4	35.6	53.4

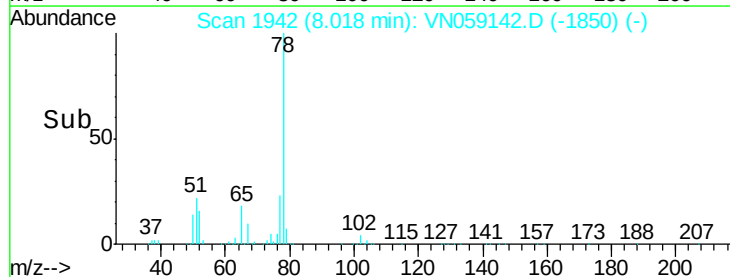
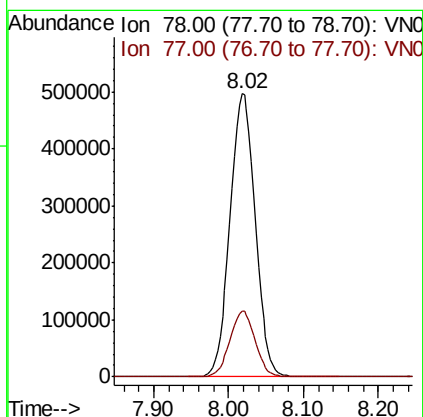
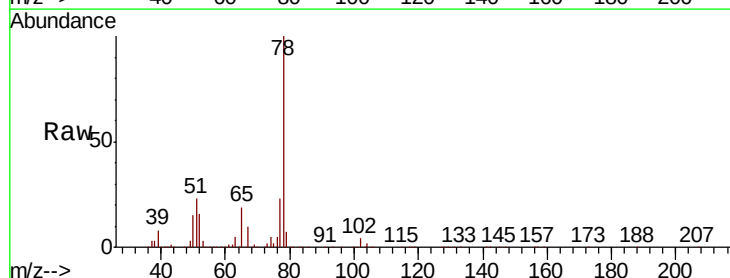
Manual Integrations
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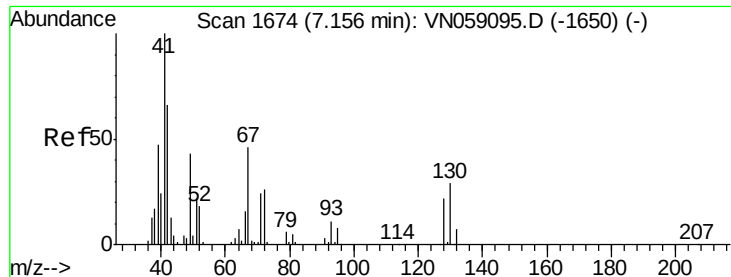
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#40
Benzene
Concen: 49.033 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





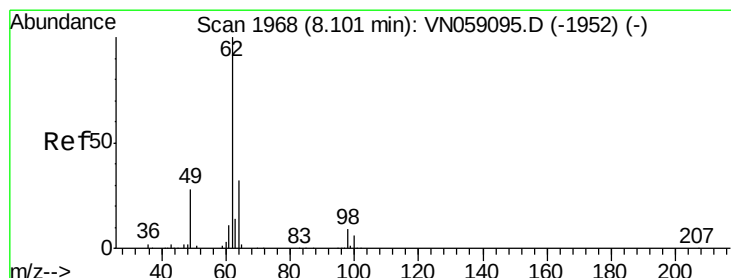
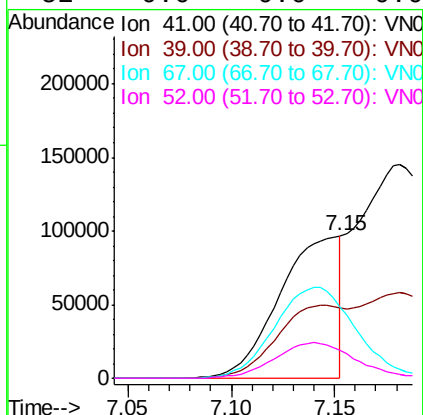
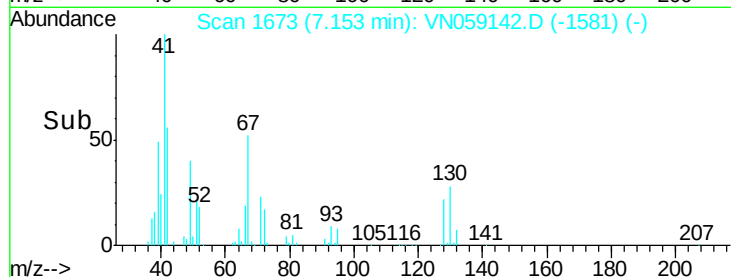
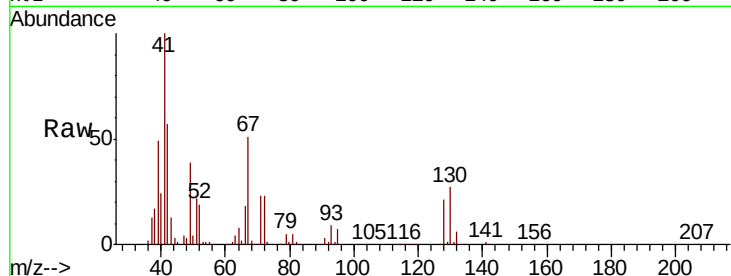
#41
Methacrylonitrile
Concen: 51.926 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot 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

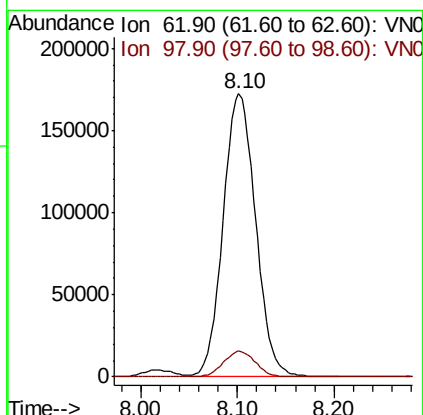
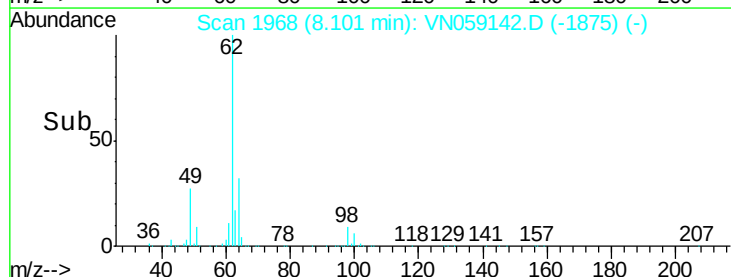
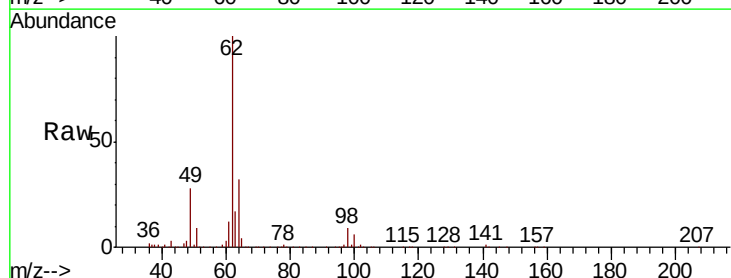
Manual Integrations
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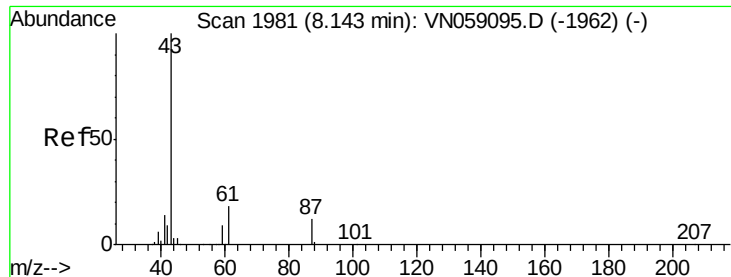
MMDadoda
11/11/2019 10:35:24 AM



#42
1,2-Dichloroethane
Concen: 49.273 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





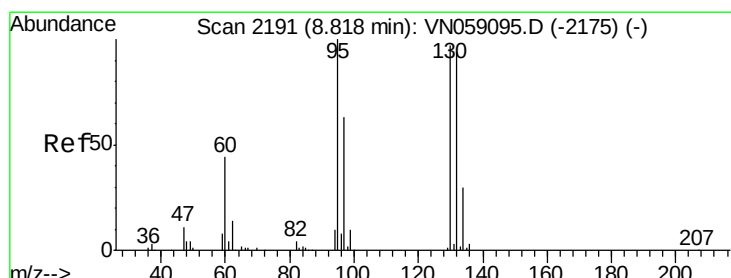
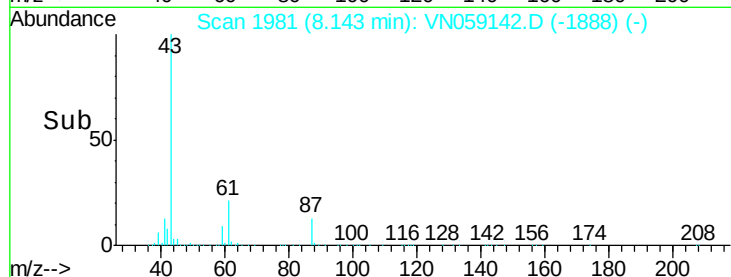
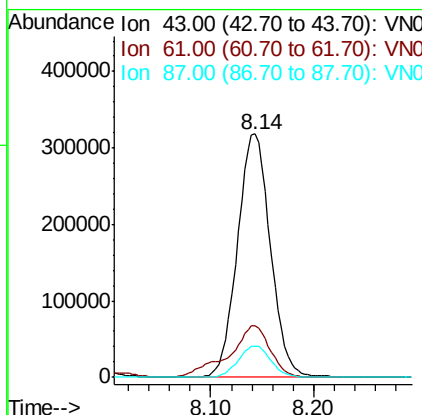
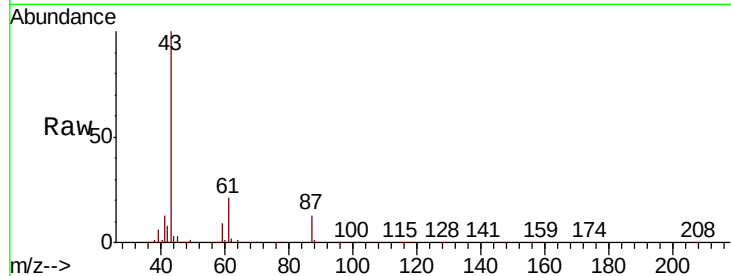
#43
Isopropyl Acetate
Concen: 50.252 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.9	9.8	14.6

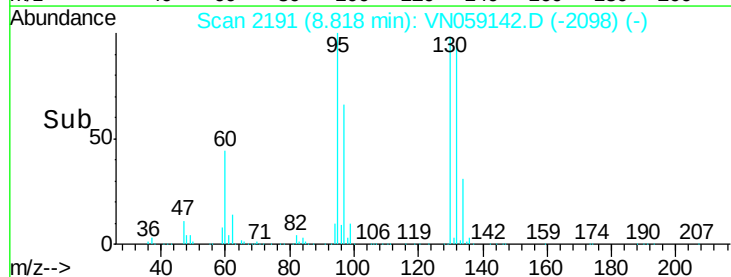
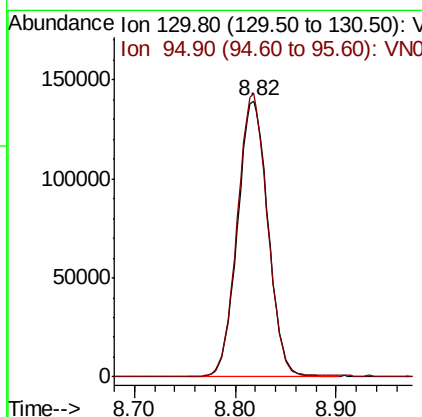
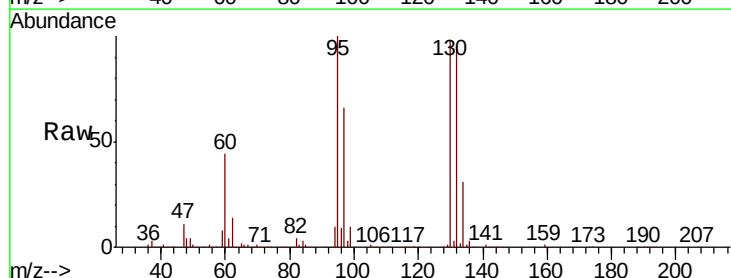
Manual Integrations
APPROVED

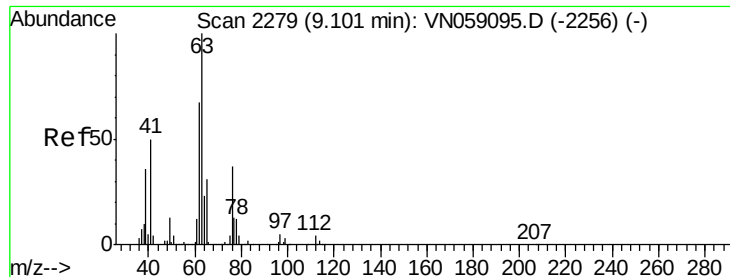
MMDadoda
11/11/2019 10:35:24 AM



#44
Trichloroethene
Concen: 49.913 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 49.214 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 317572

Ion Ratio Lower Upper

63 100

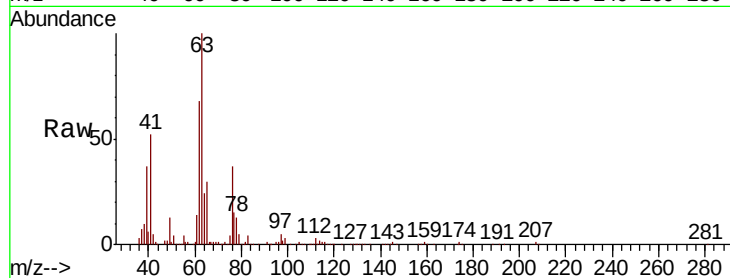
65 29.7 24.6 37.0

Manual Integrations

APPROVED

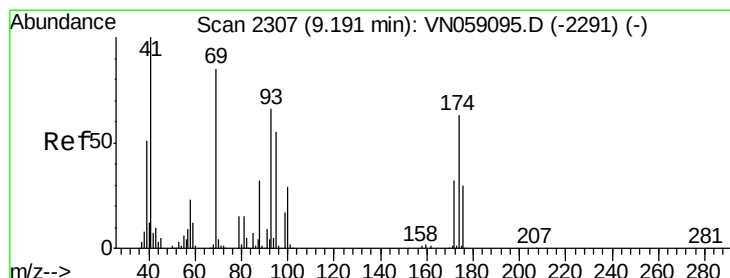
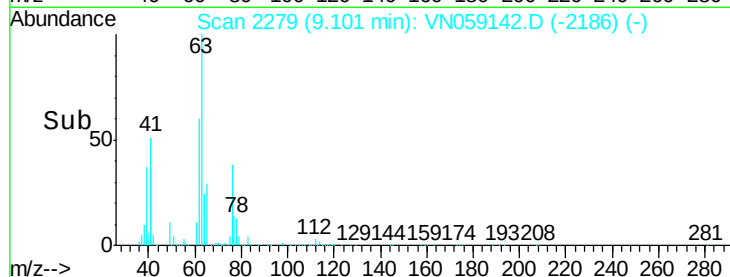
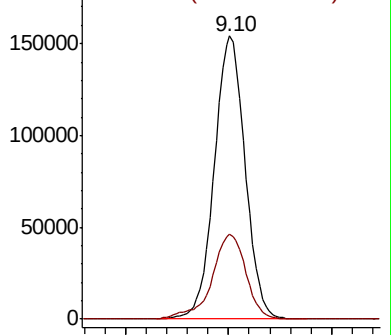
MMDadoda

11/11/2019 10:35:24 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.667 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

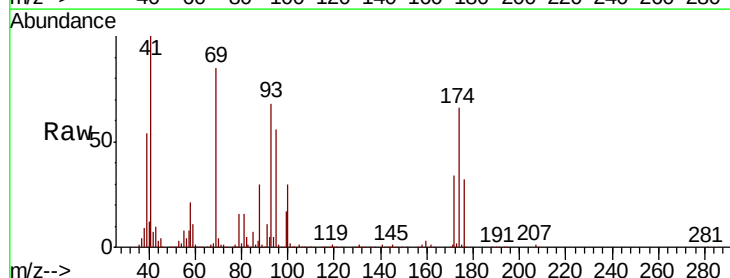
Tgt Ion: 93 Resp: 195695

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

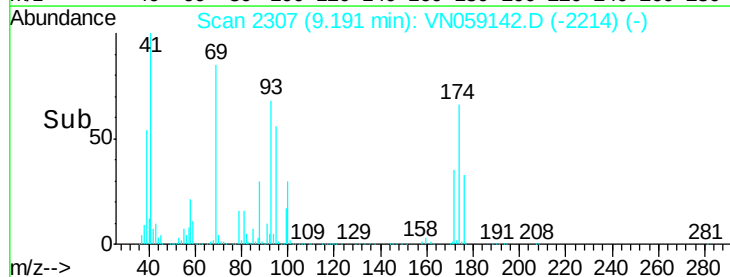
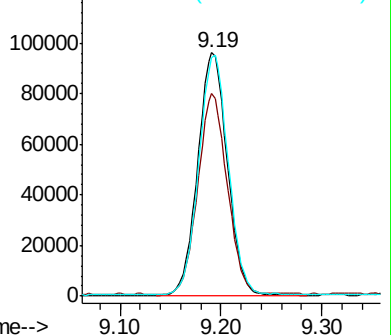
174 98.4 78.2 117.2

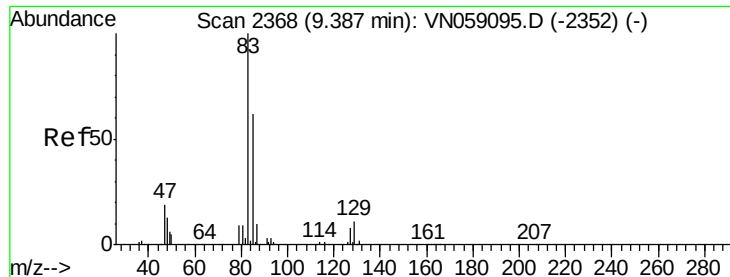


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 49.565 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

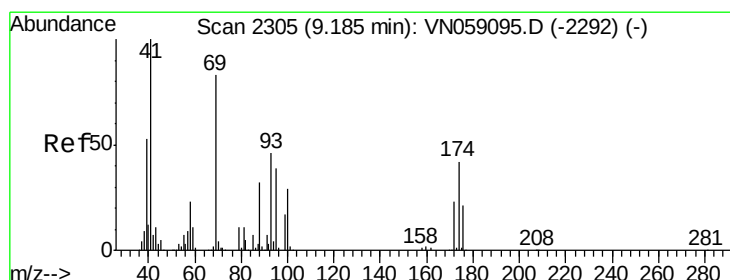
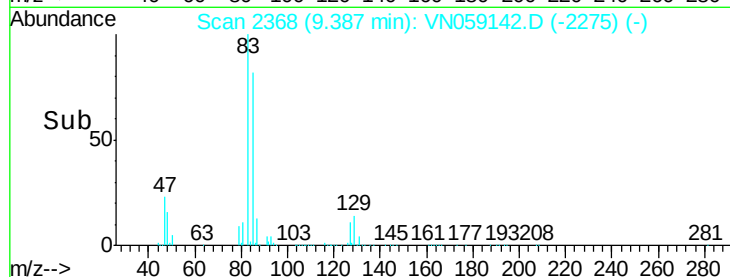
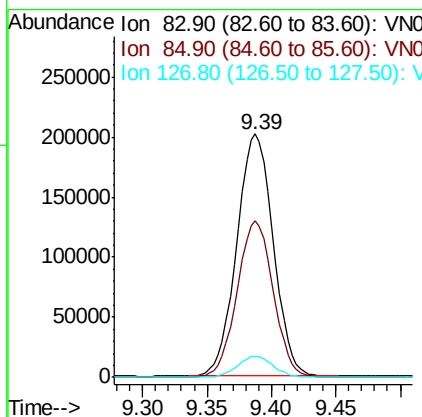
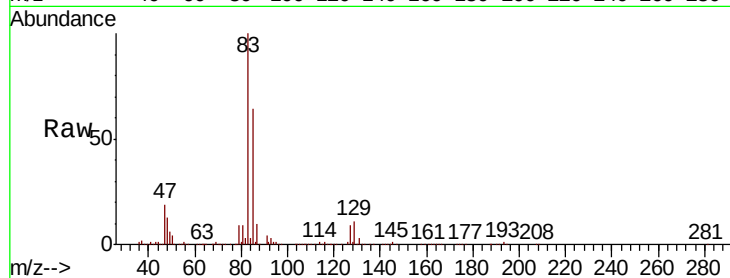
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	397981
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.7	74.5
127	8.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.512 ug/l

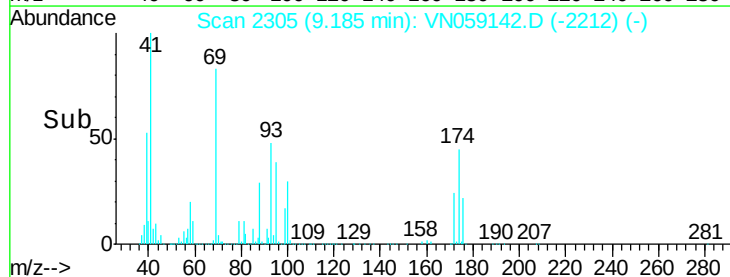
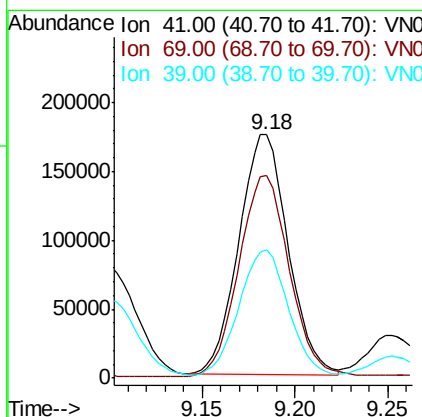
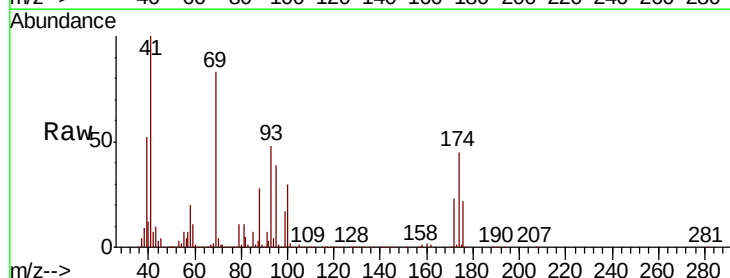
RT: 9.18 min Scan# 2305

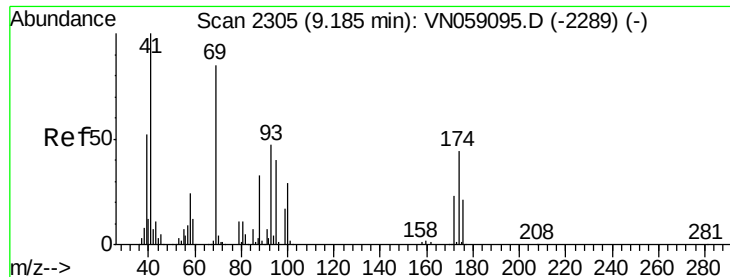
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	41	Resp:	322393
Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.3	100.9
39	53.9	43.3	64.9





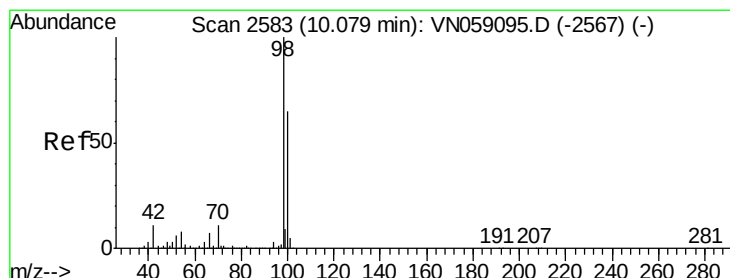
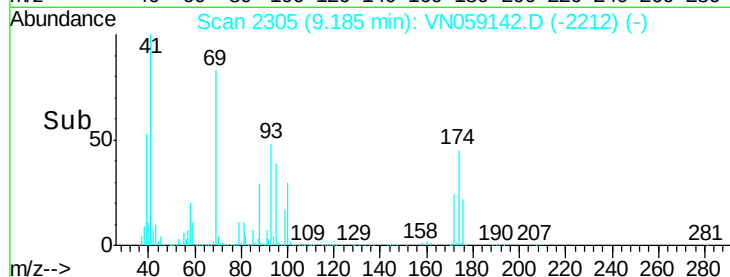
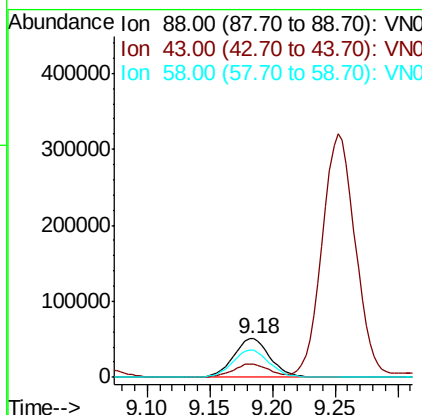
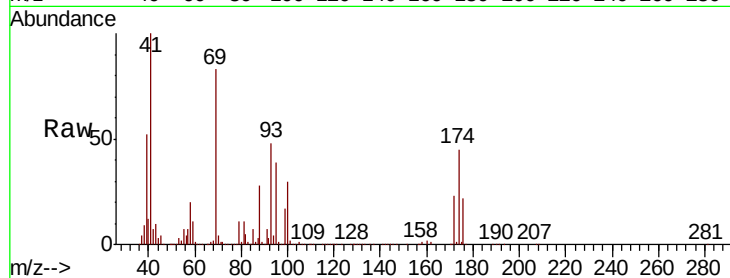
#49
1,4-Dioxane
Concen: 921.277 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	102469
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.3	39.5
58	71.5	60.6	90.8

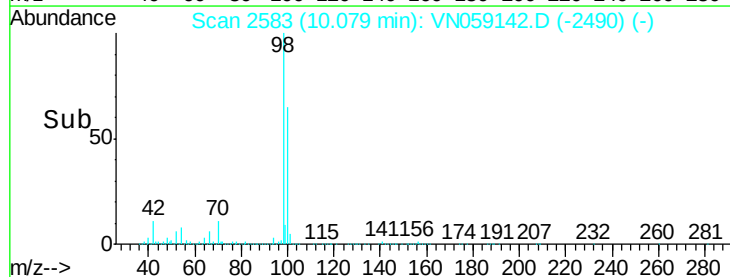
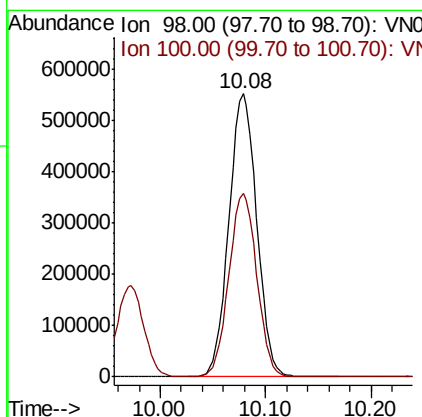
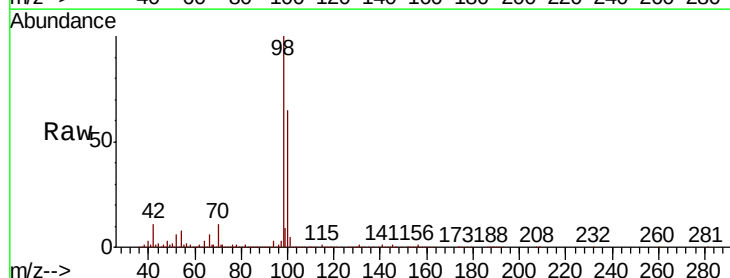
Manual Integrations
APPROVED

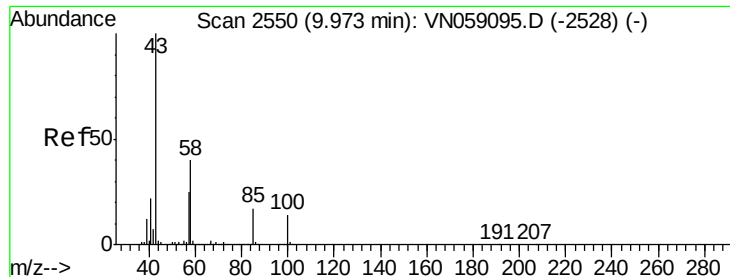
MMDadoda
11/11/2019 10:35:24 AM



#50
Toluene-d8
Concen: 50.863 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	98	Resp	1009678
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 274.042 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2169614

Ion Ratio Lower Upper

43 100

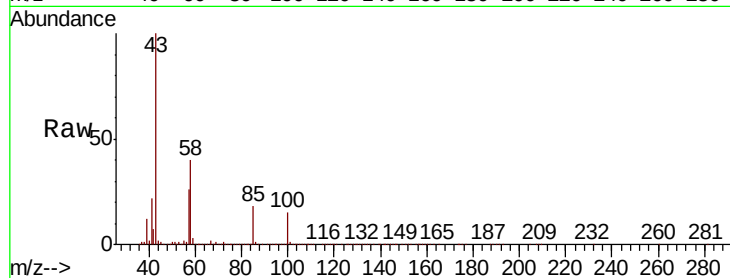
58 40.1 31.5 47.3

Manual Integrations

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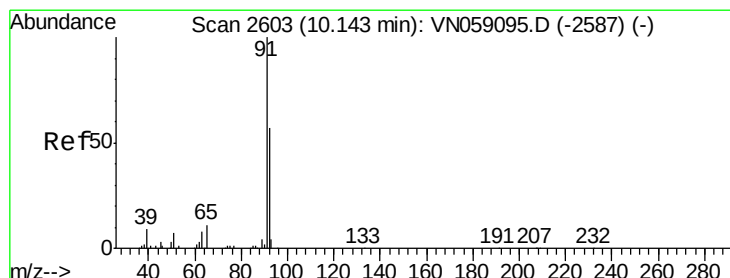
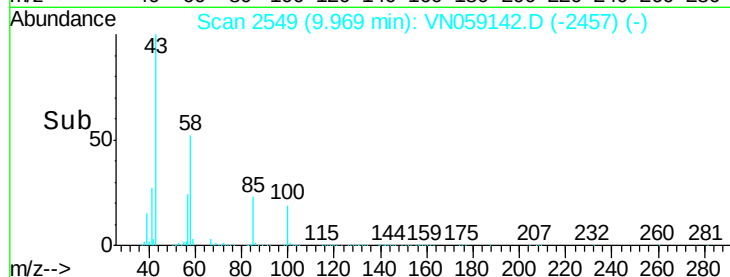
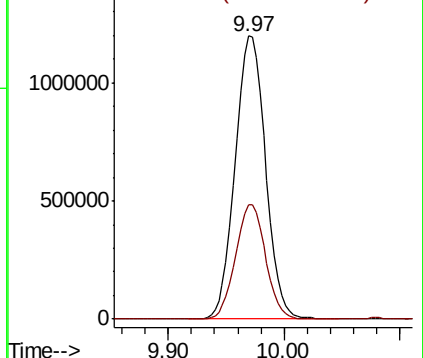
MMDadoda

11/11/2019 10:35:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.533 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059142.D

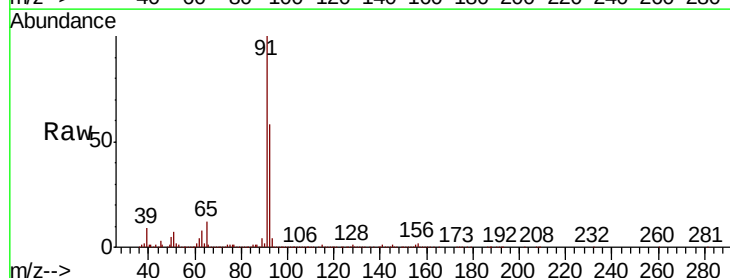
Acq: 8 Nov 2019 18:27

Tgt Ion: 92 Resp: 719569

Ion Ratio Lower Upper

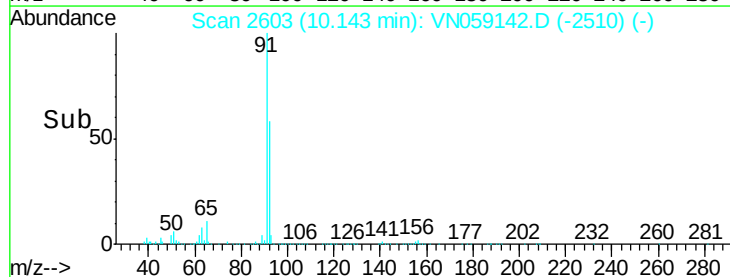
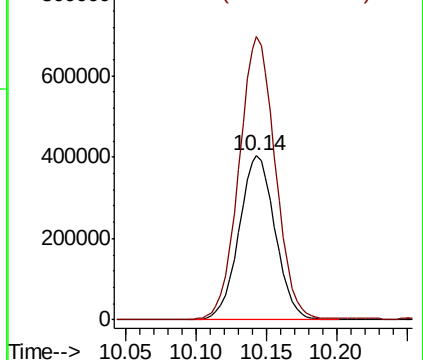
92 100

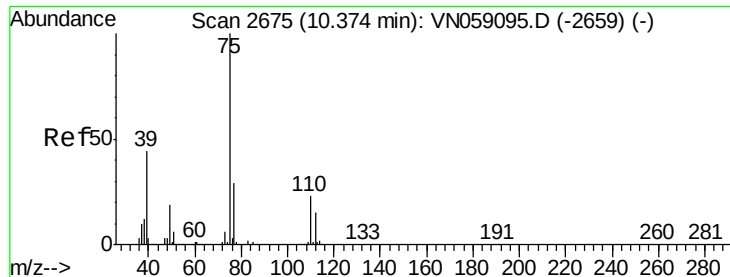
91 172.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





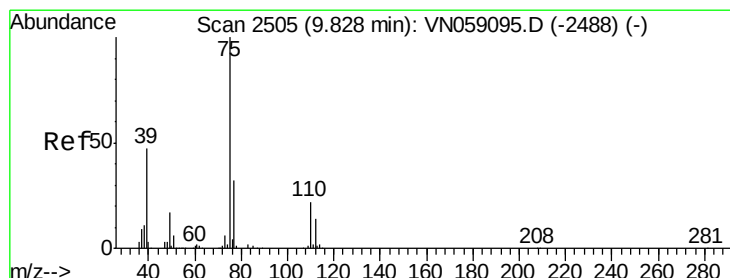
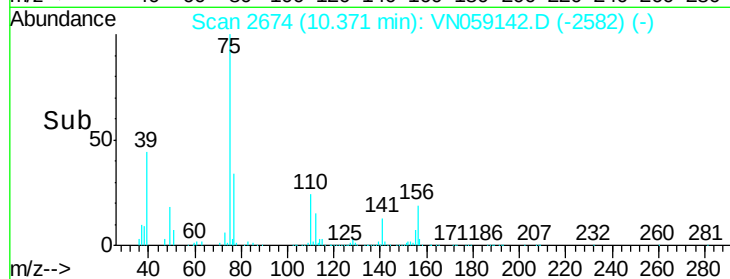
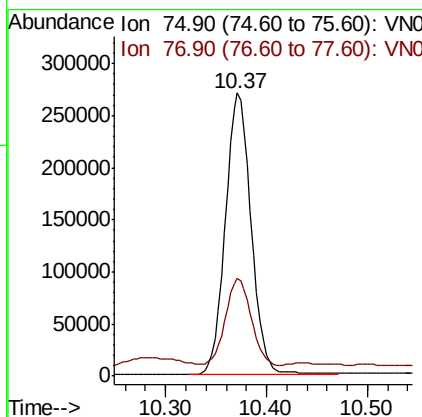
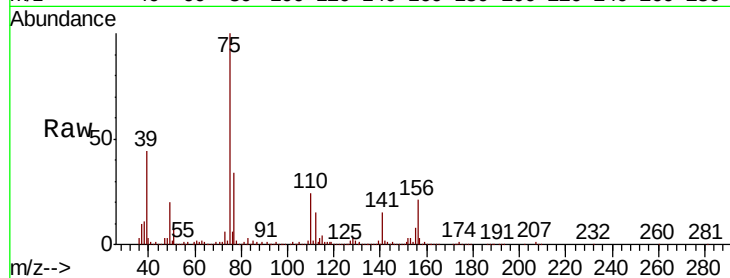
#53
t-1,3-Dichloropropene
Concen: 51.976 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	482170
Ion Ratio	Lower	Upper	
75	100		
77	30.5	25.3	37.9

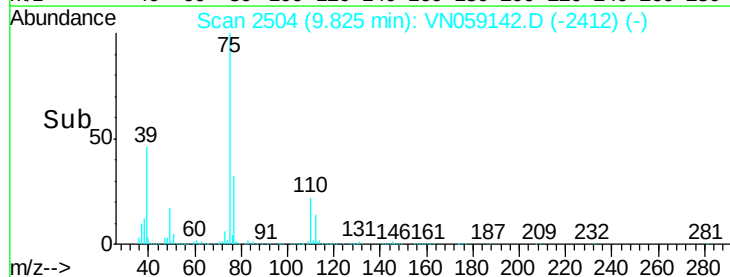
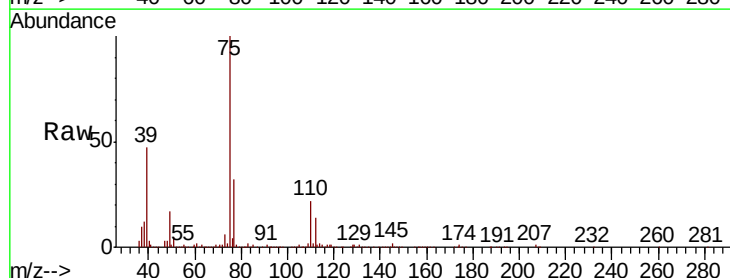
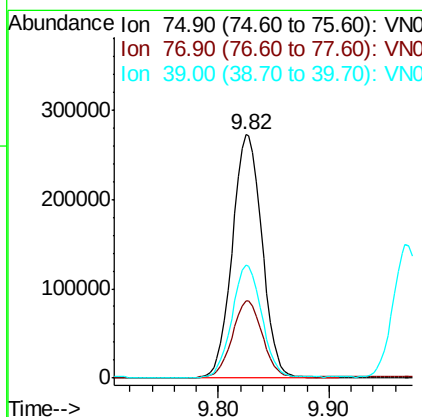
Manual Integrations
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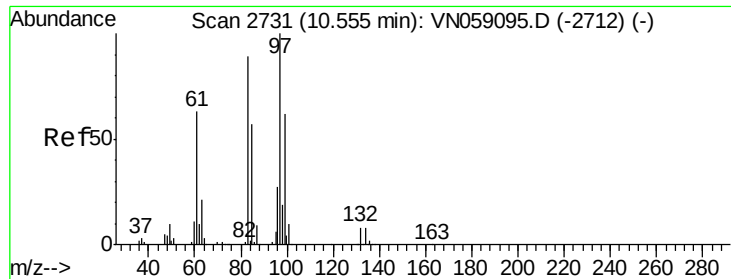
MMDadoda
11/11/2019 10:35:24 AM



#54
cis-1,3-Dichloropropene
Concen: 51.105 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	75	Resp	509963
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.5	38.3
39	46.2	37.3	55.9





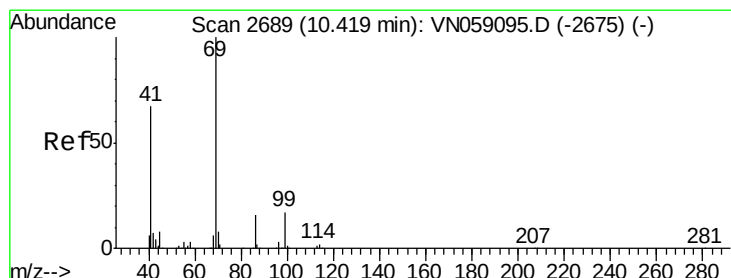
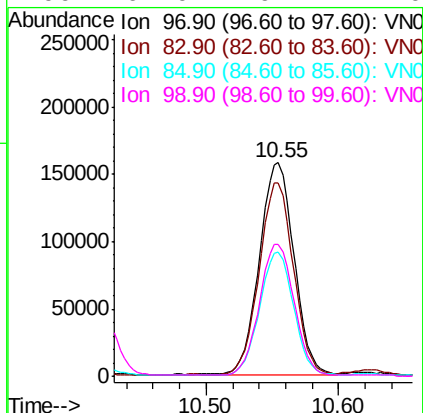
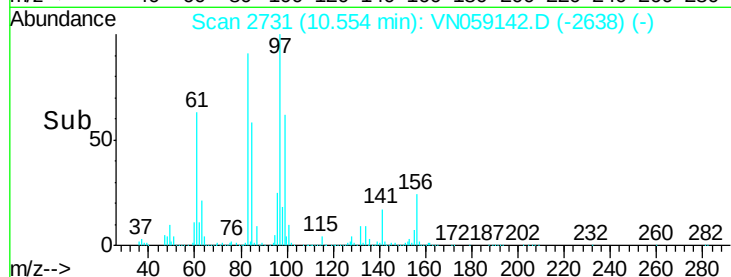
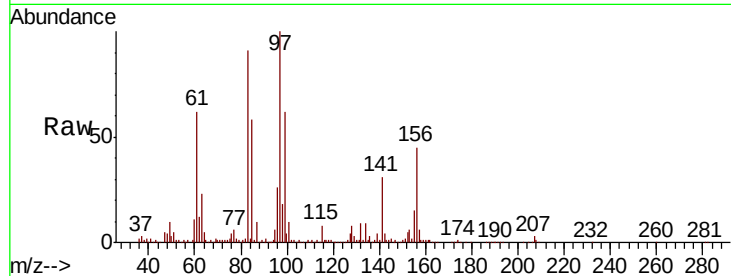
#55
 1,1,2-Trichloroethane
 Concen: 49.519 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		285368		
83	90.6	71.0	106.4		
85	58.1	45.8	68.8		
99	62.0	49.4	74.0		

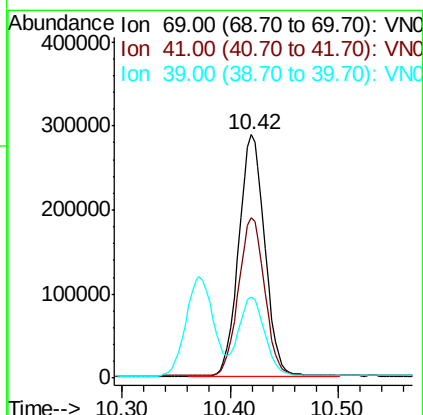
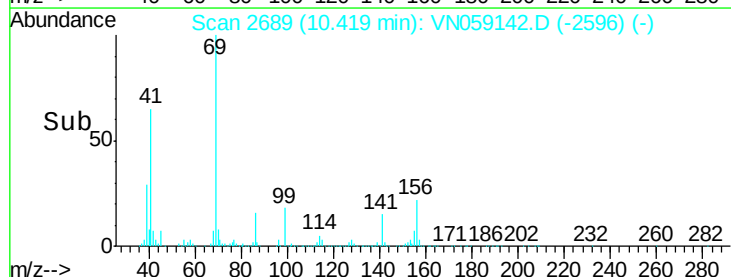
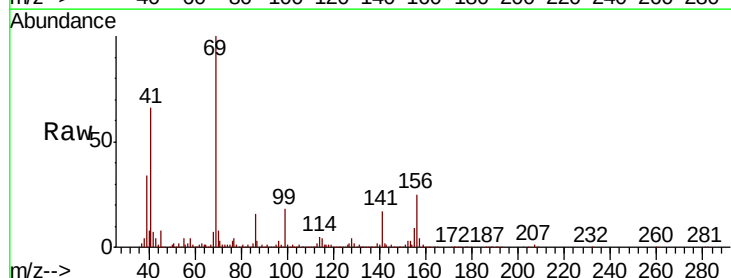
Manual Integrations
 APPROVED

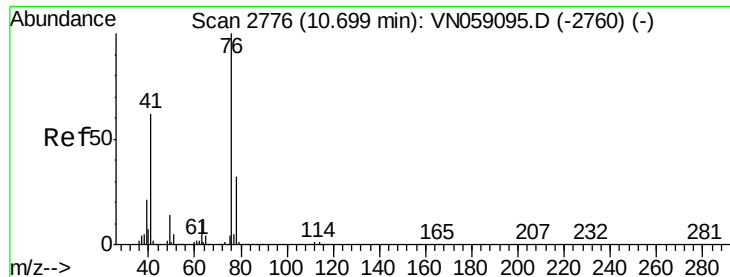
MMDadoda
 11/11/2019 10:35:24 AM



#56
 Ethyl methacrylate
 Concen: 50.443 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		485015		
41	65.6	53.6	80.4		
39	32.6	26.2	39.4		





#57

1,3-Dichloropropane

Concen: 51.005 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 505889

Ion Ratio Lower Upper

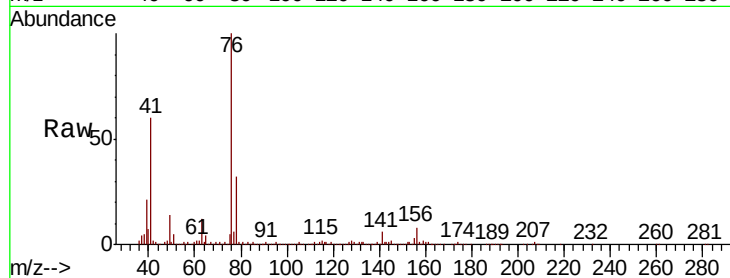
76 100

78 32.6 25.8 38.8

Manual Integrations
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MMDadoda

11/11/2019 10:35:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

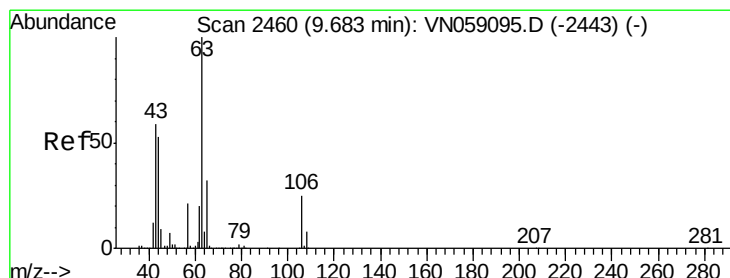
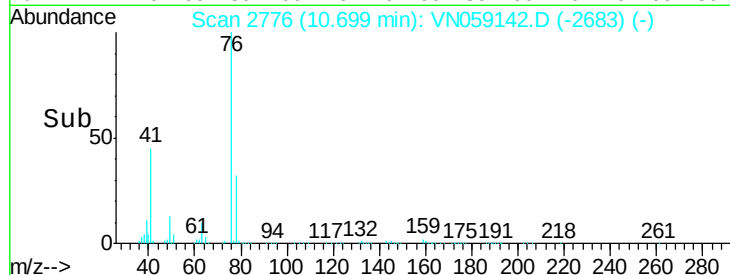
300000

200000

100000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 291.640 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059142.D

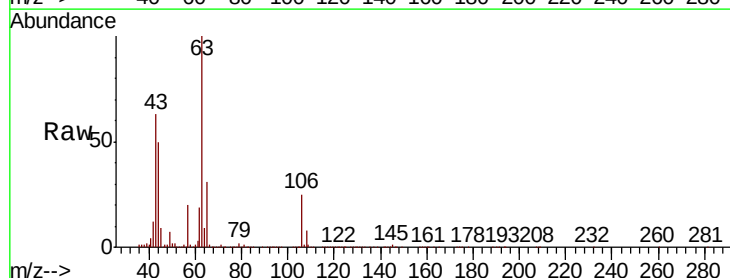
Acq: 8 Nov 2019 18:27

Tgt Ion: 63 Resp: 935340

Ion Ratio Lower Upper

63 100

106 25.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

600000

500000

400000

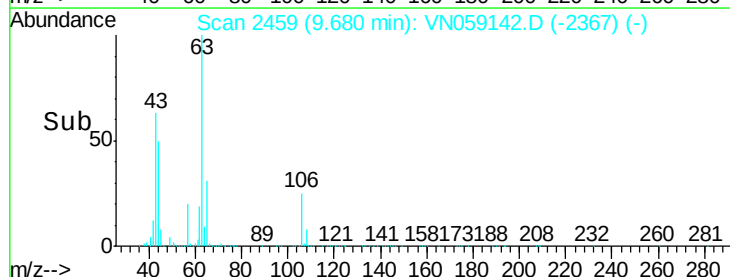
300000

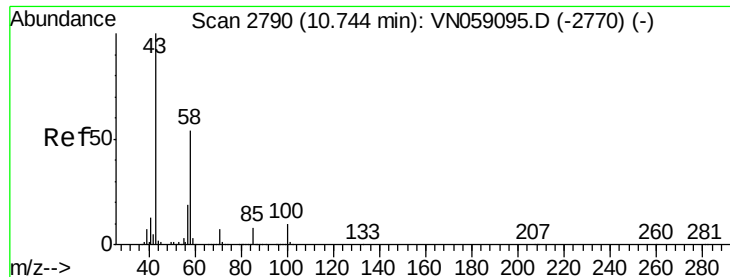
200000

100000

0

Time--> 9.60 9.70 9.80





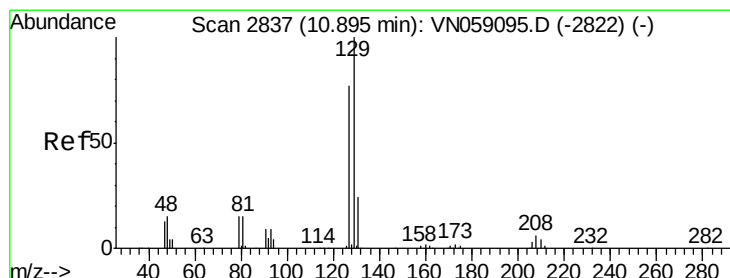
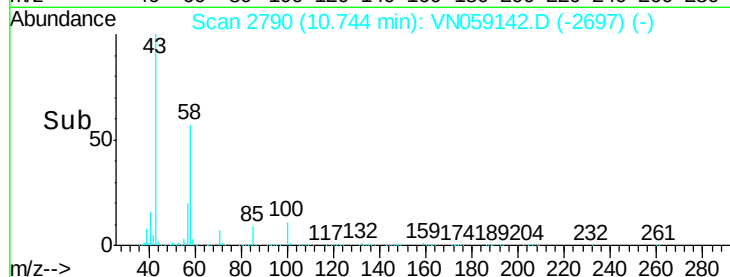
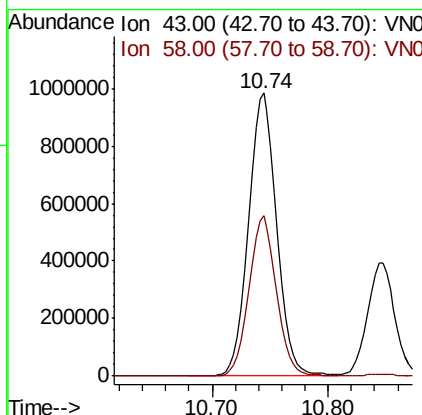
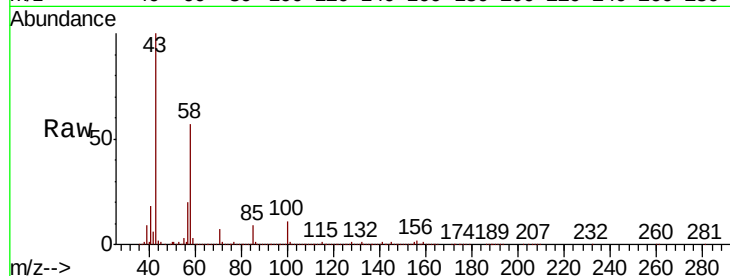
#59
2-Hexanone
Concen: 273.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1660919
Ion Ratio Lower Upper
43 100
58 55.7 27.3 81.8

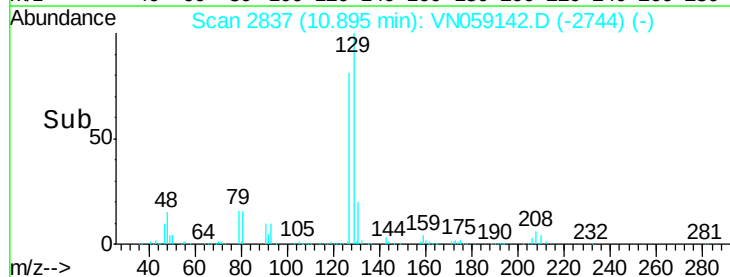
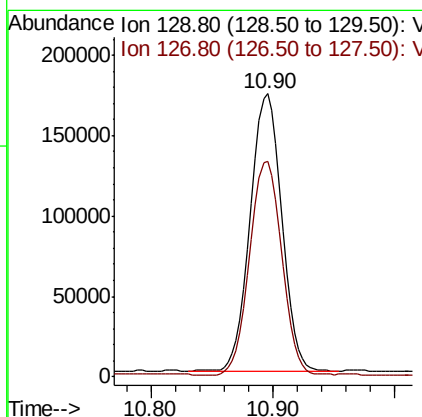
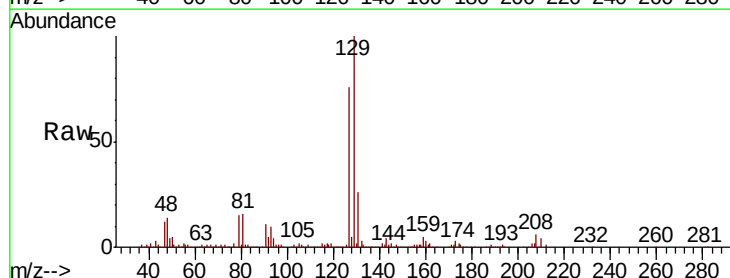
Manual Integrations
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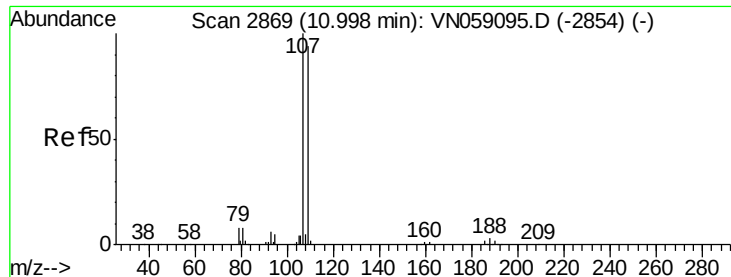
MMDadoda
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#60
Dibromochloromethane
Concen: 50.631 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 129 Resp: 308495
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





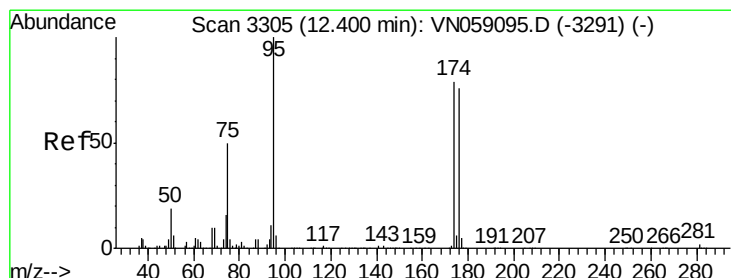
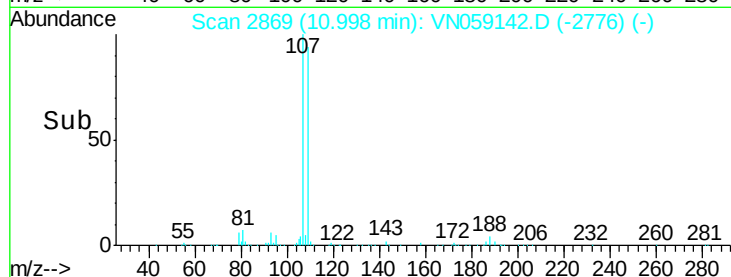
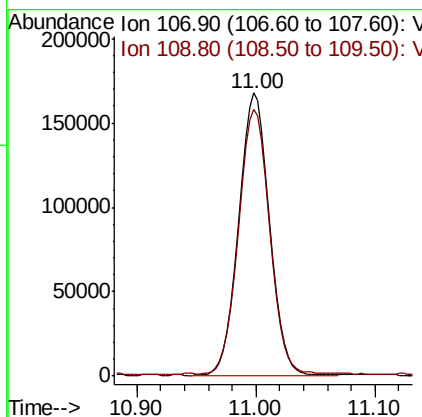
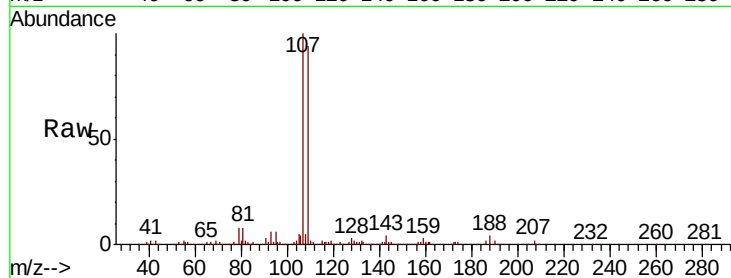
#61
 1,2-Dibromoethane
 Concen: 51.039 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.5	113.3

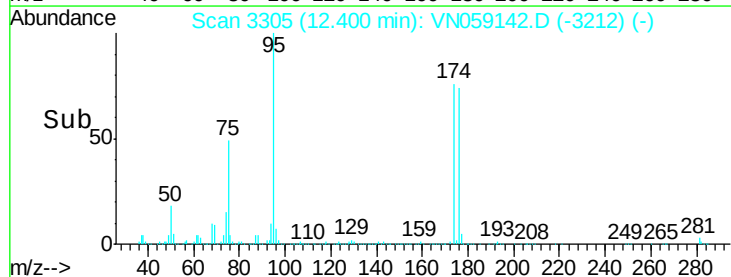
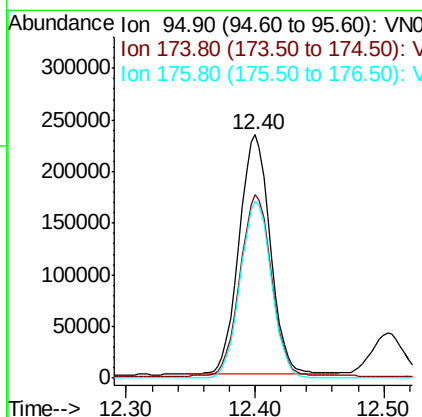
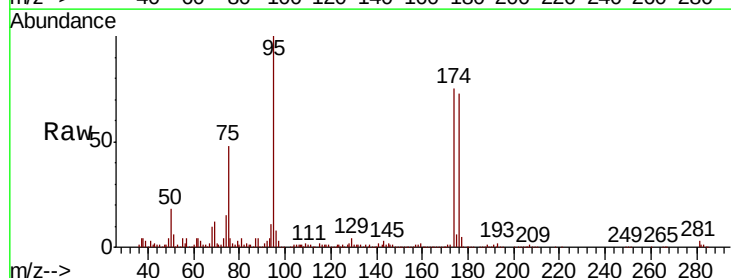
Manual Integrations
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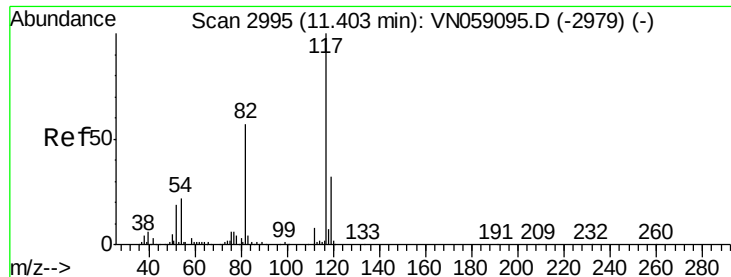
MMDadoda
 11/11/2019 10:35:24 AM



#62
 4-Bromofluorobenzene
 Concen: 54.639 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	158.2
176	74.3	0.0	151.8





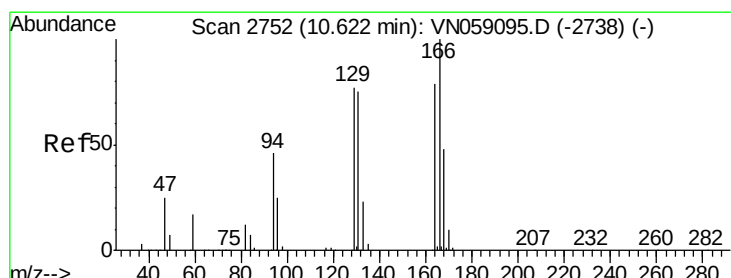
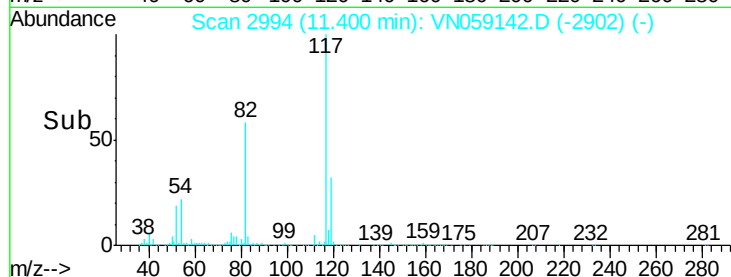
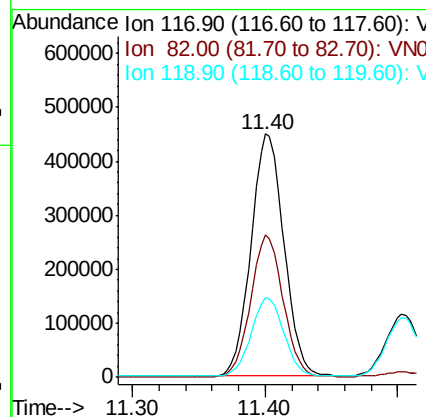
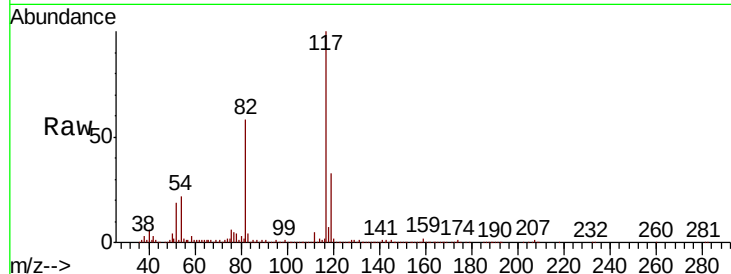
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.8	68.8
119	32.2	25.8	38.6

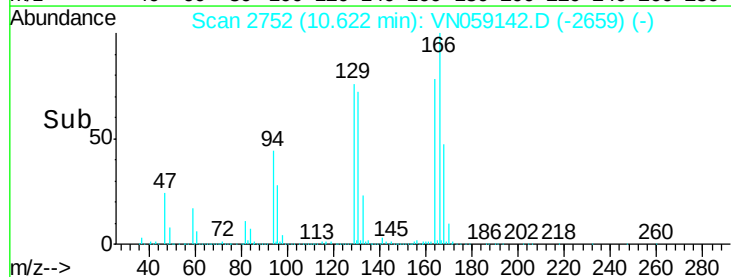
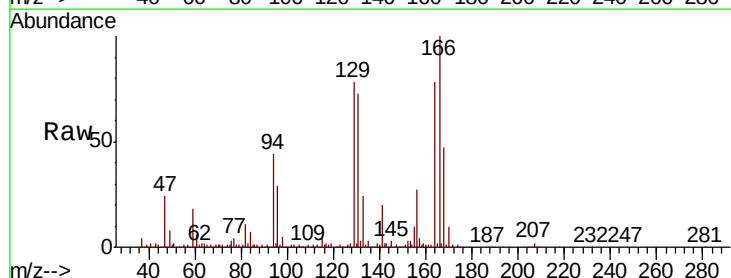
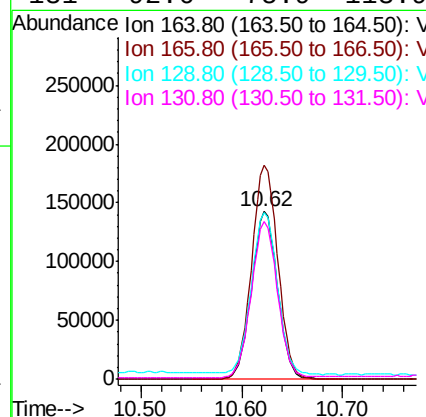
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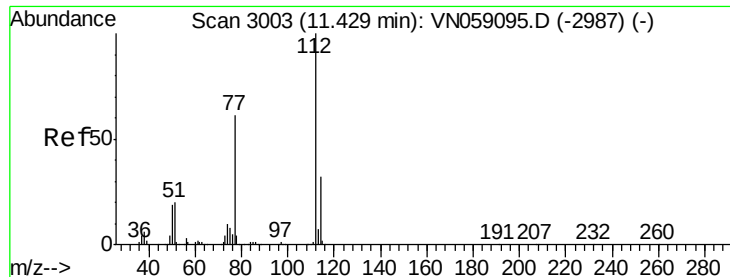
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#64
Tetrachloroethene
Concen: 48.008 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.5	152.3
129	96.9	78.3	117.5
131	92.6	75.9	113.9





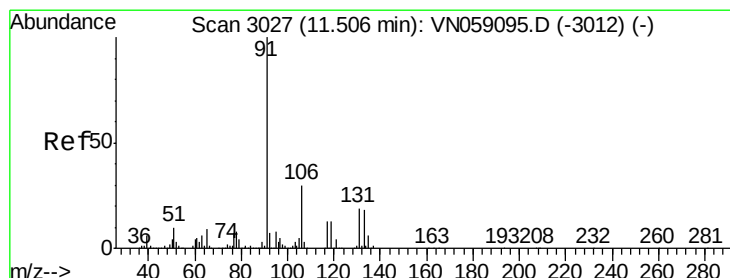
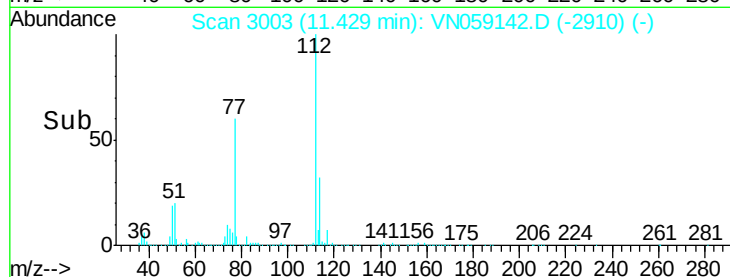
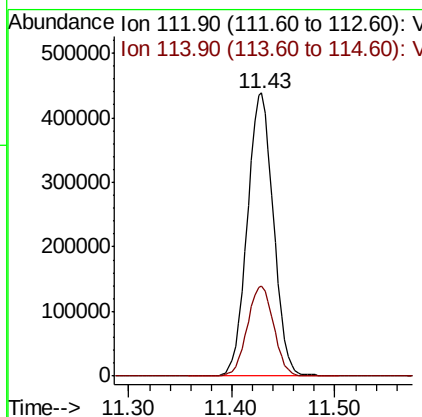
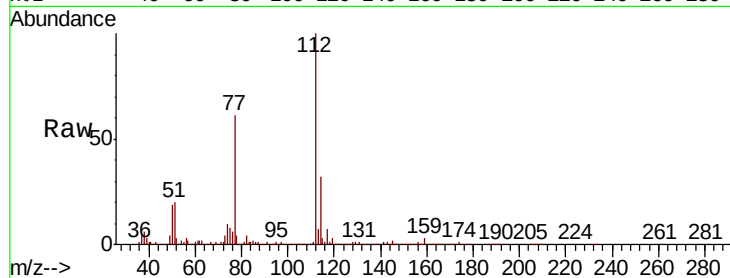
#65
Chlorobenzene
Concen: 50.921 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 767227
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

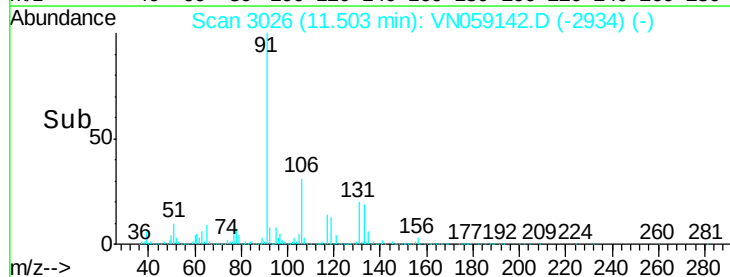
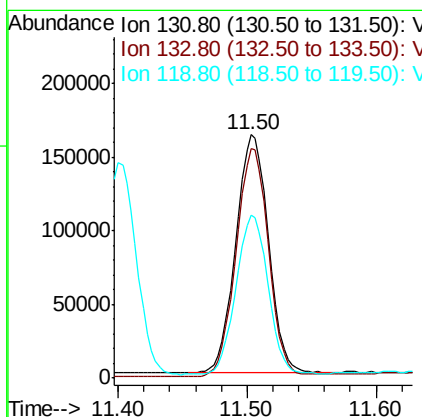
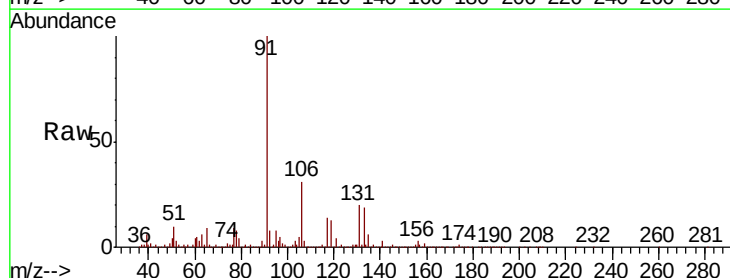
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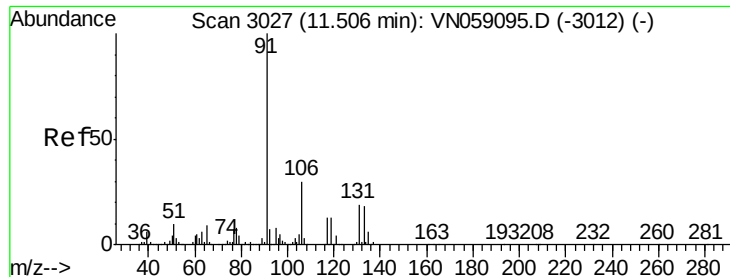
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.235 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:131 Resp: 283928
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 66.2 33.2 99.6





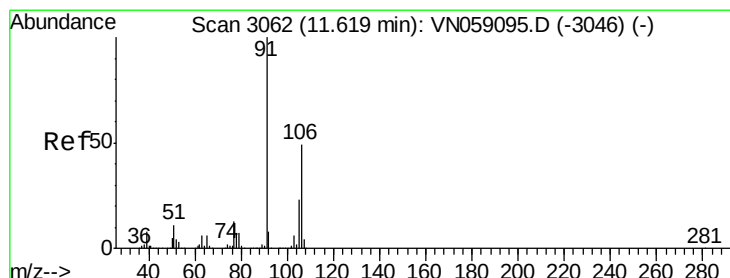
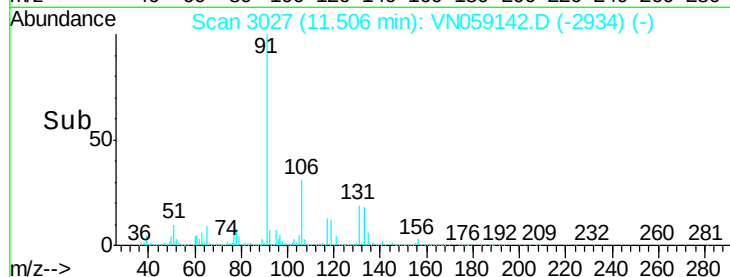
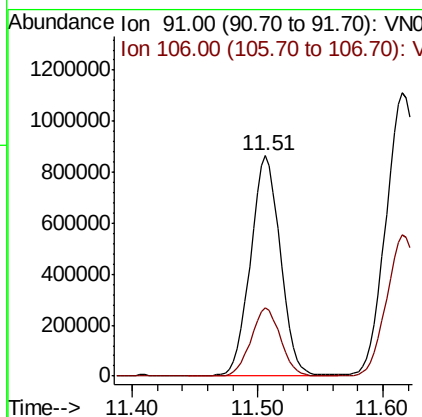
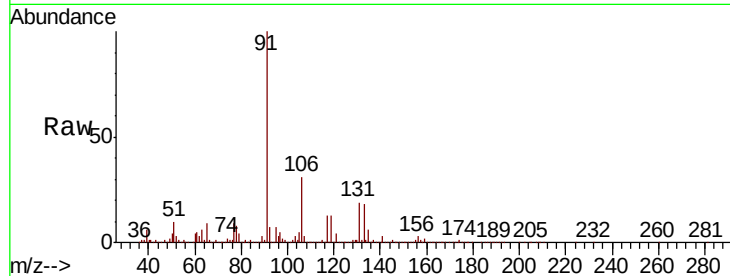
#67
Ethyl Benzene
Concen: 53.081 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1418974
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

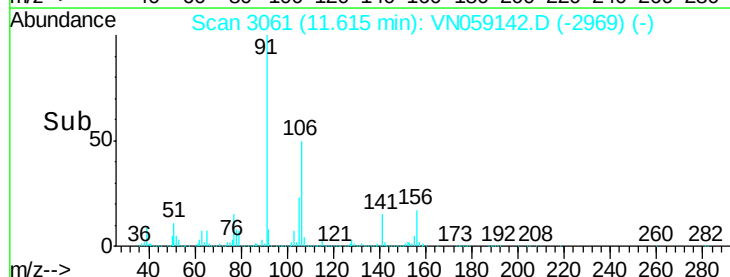
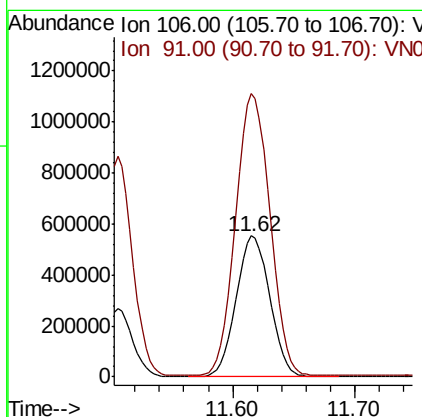
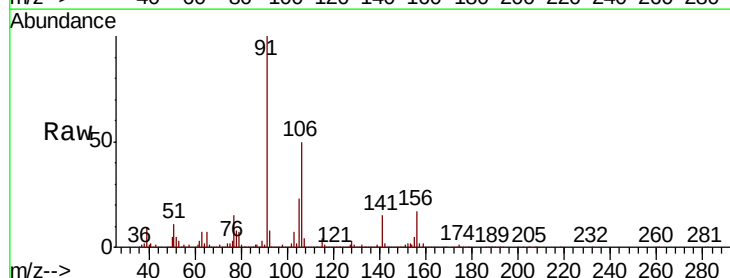
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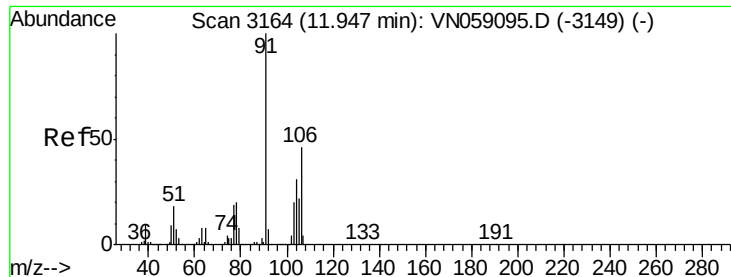
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11/11/2019 10:35:24 AM



#68
m/p-Xylenes
Concen: 105.057 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 106 Resp: 1052003
Ion Ratio Lower Upper
106 100
91 204.3 164.7 247.1





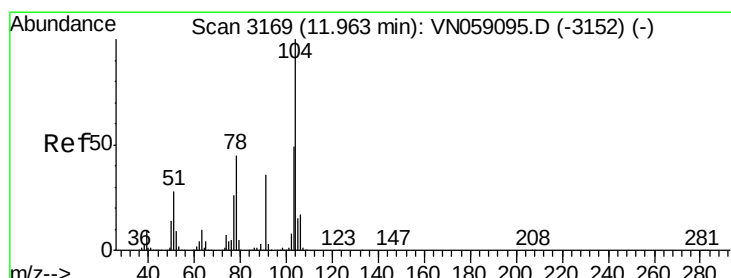
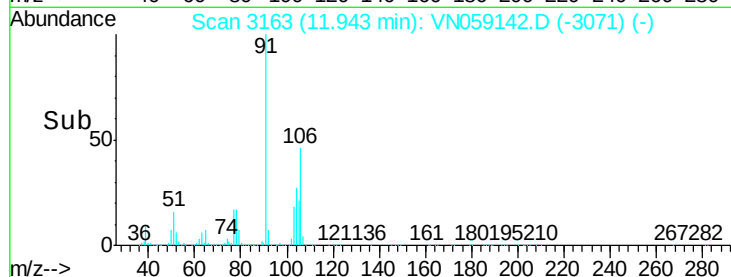
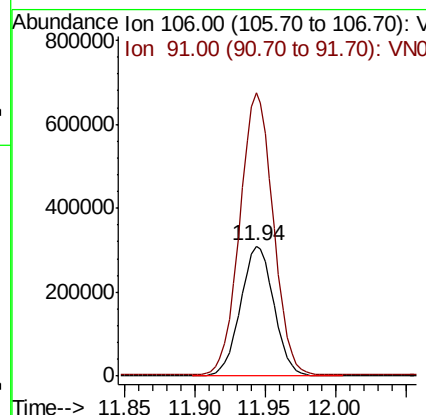
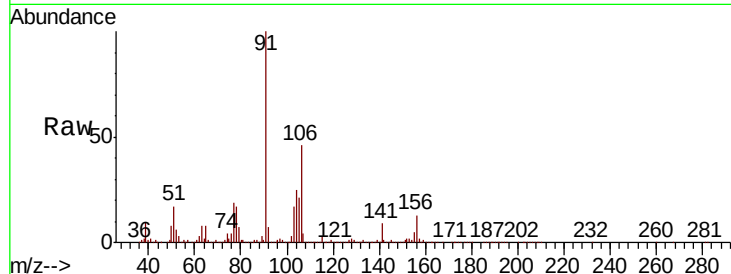
#69
o-Xylene
Concen: 52.852 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.3	110.1	330.3

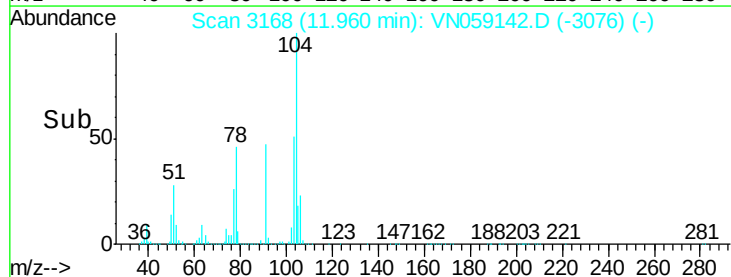
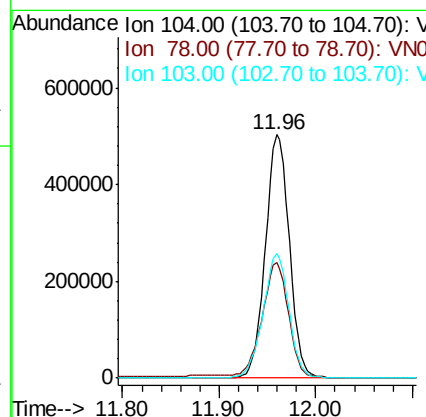
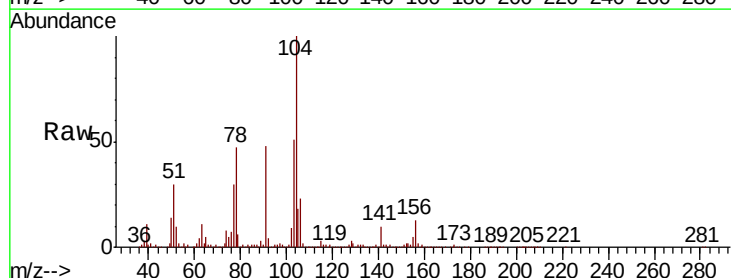
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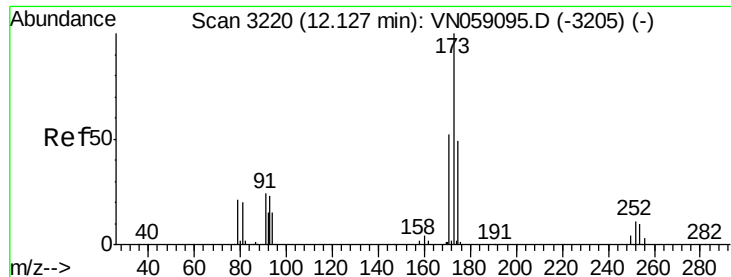
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#70
Styrene
Concen: 56.688 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.2	61.8
103	54.7	43.8	65.6





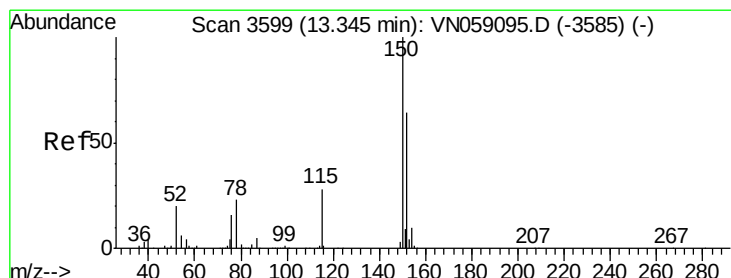
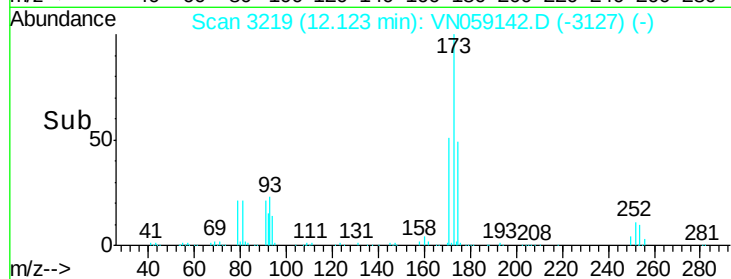
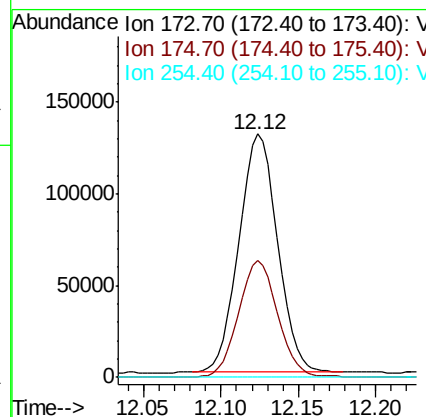
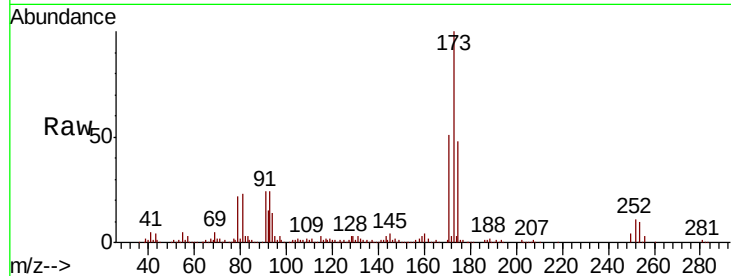
#71
Bromoform
Concen: 51.119 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.1	0.1	0.1#

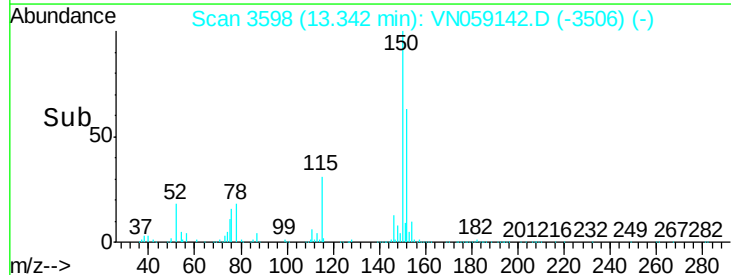
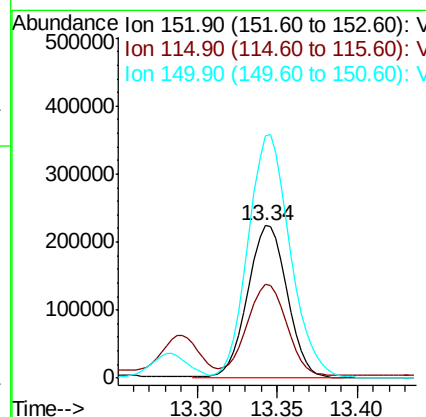
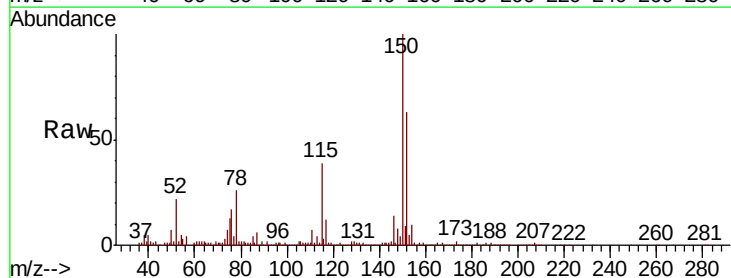
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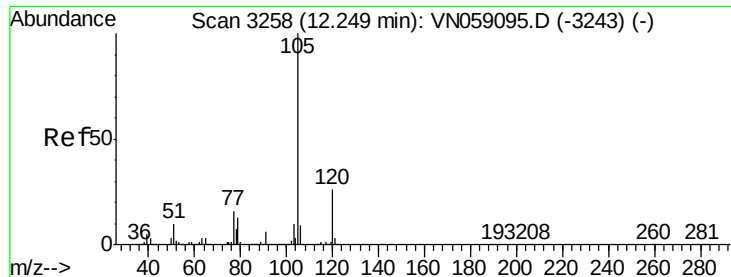
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.4	88.2
150	171.1	0.0	345.8





#73

Isopropylbenzene

Concen: 50.241 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1373365

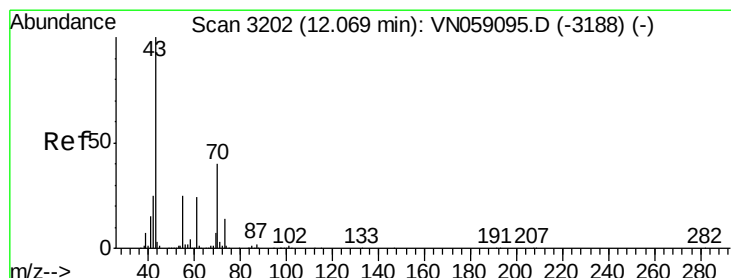
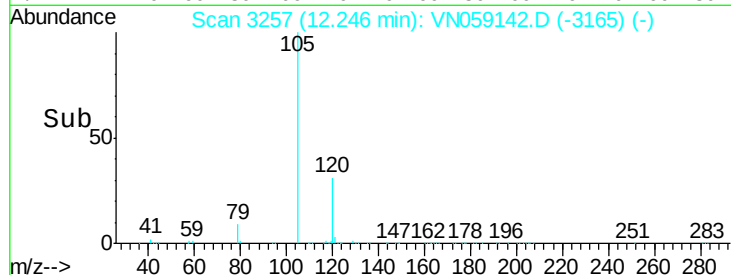
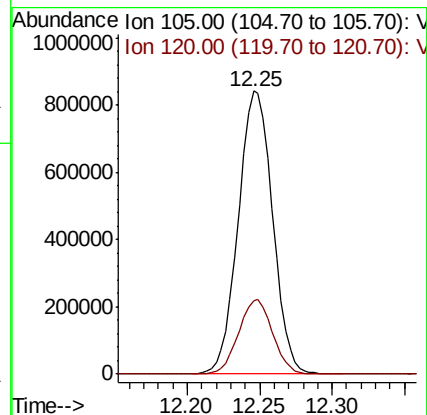
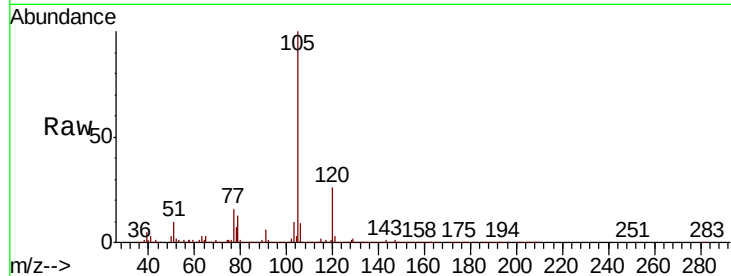
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.284 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion: 43 Resp: 628781

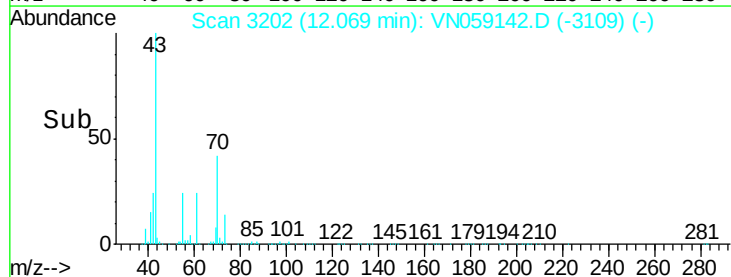
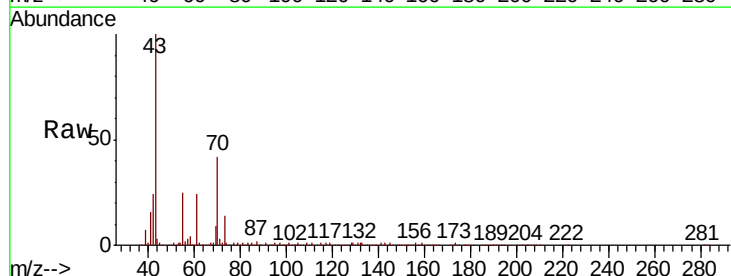
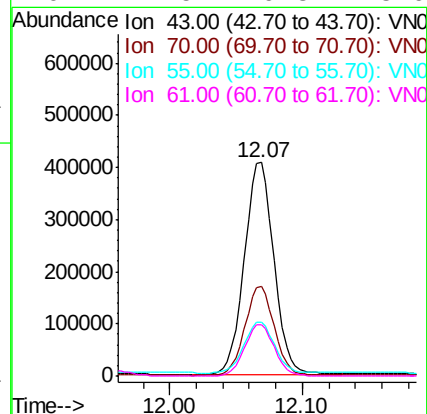
Ion Ratio Lower Upper

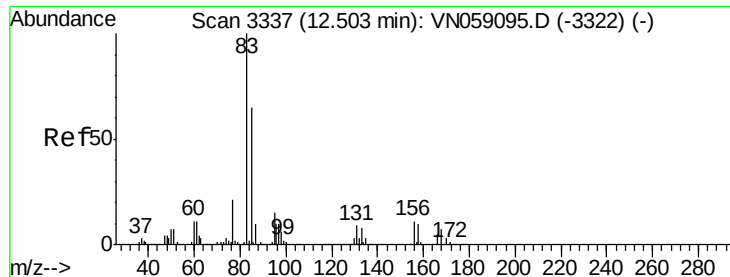
43 100

70 41.7 32.2 48.4

55 25.1 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.305 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

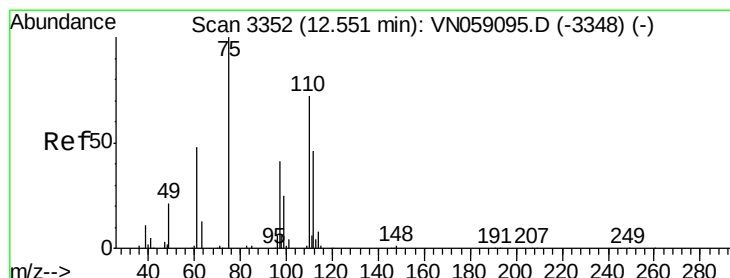
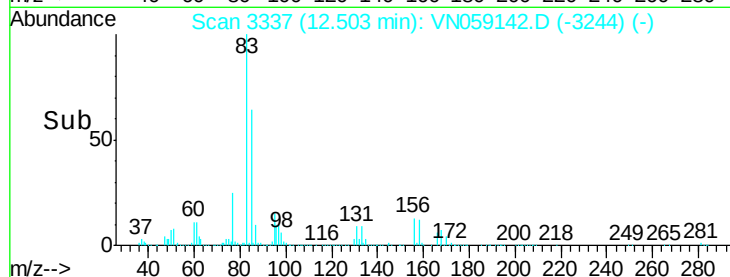
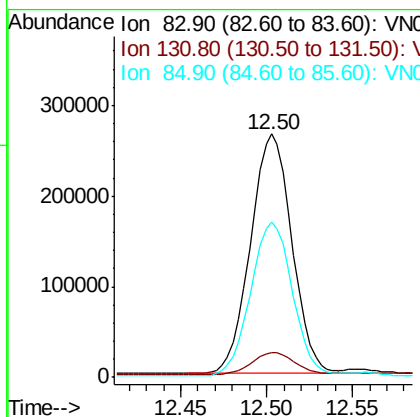
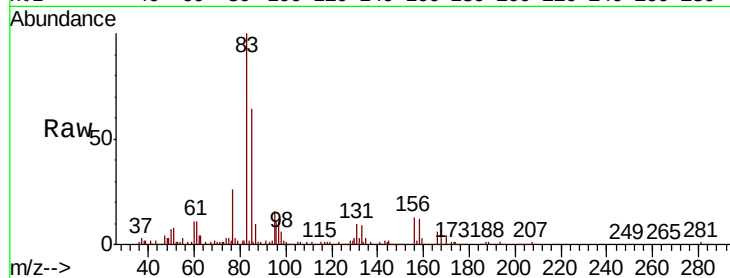
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	440362
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.6
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.422 ug/l m

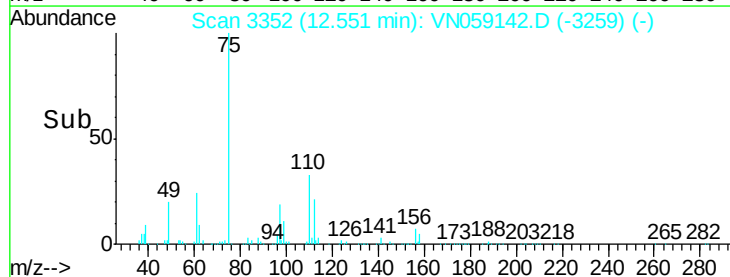
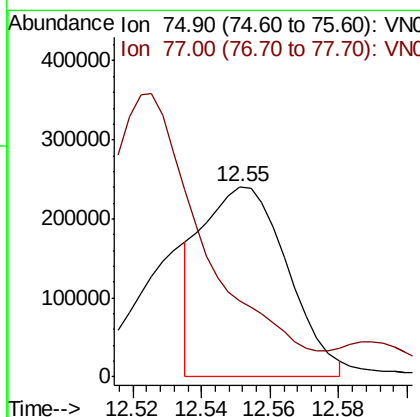
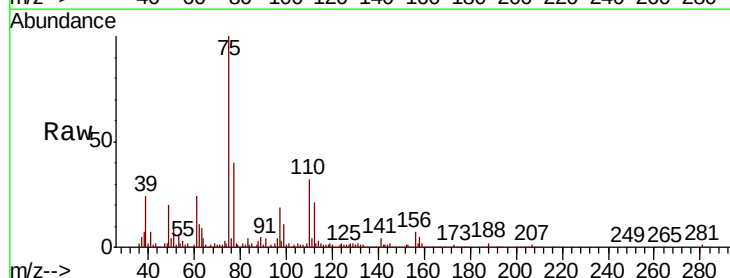
RT: 12.55 min Scan# 3352

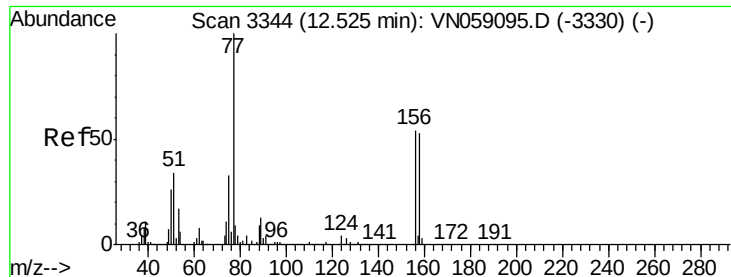
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	75	Resp:	414277
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.940 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

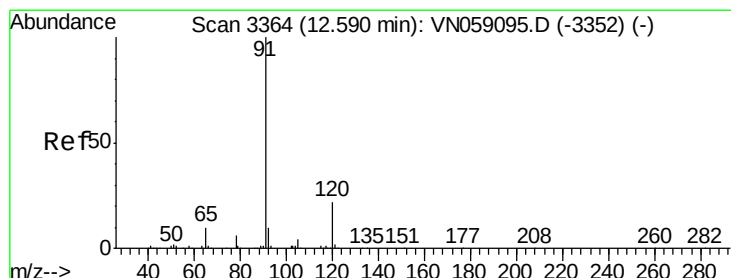
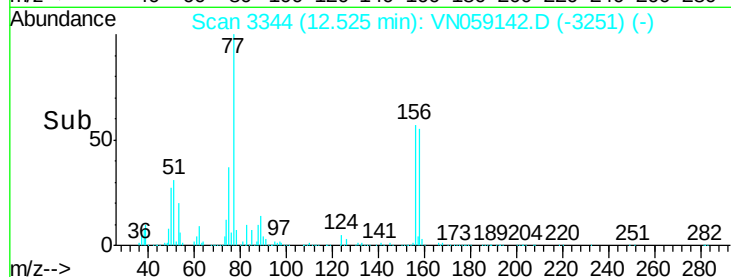
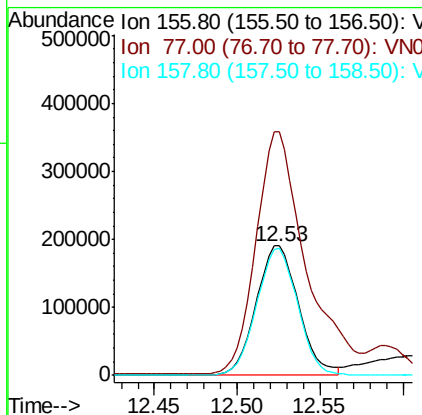
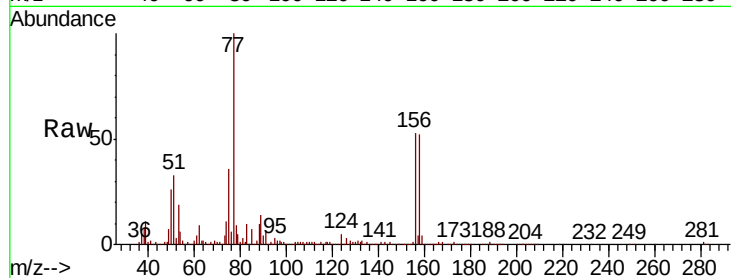
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	336113
Ion Ratio	Lower	Upper	
156	100		
77	220.0	112.8	338.3
158	94.0	48.4	145.3

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#78

n-propylbenzene

Concen: 51.628 ug/l

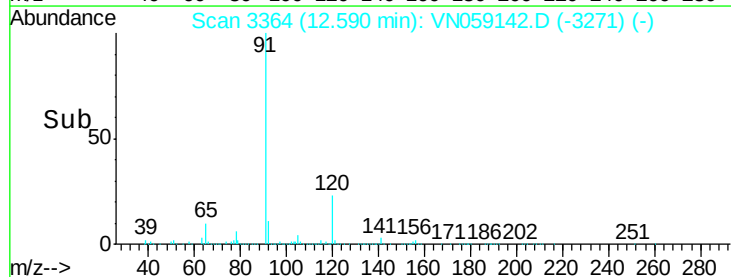
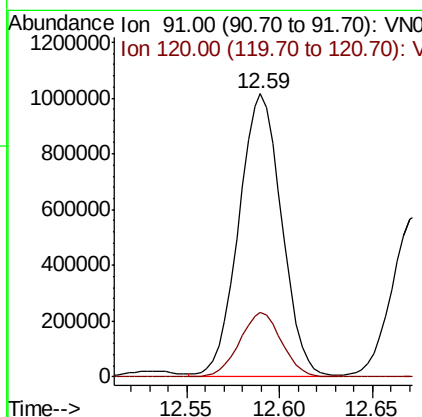
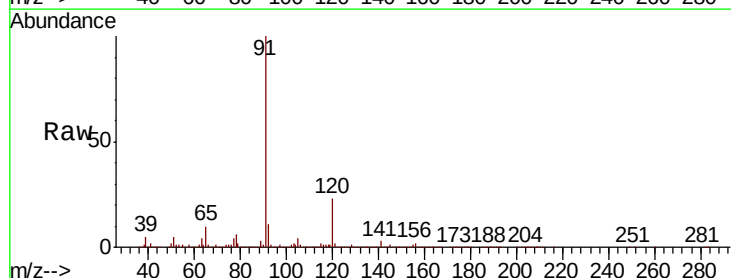
RT: 12.59 min Scan# 3364

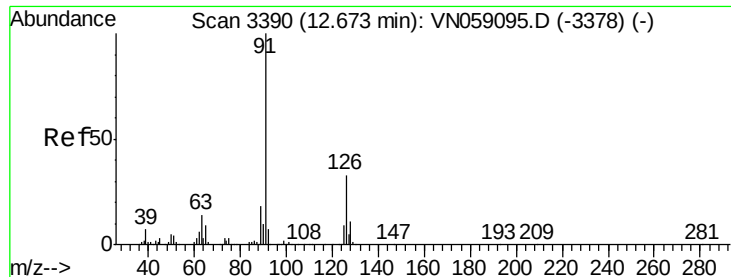
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	91	Resp:	1615920
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 49.280 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 956843

Ion Ratio Lower Upper

91 100

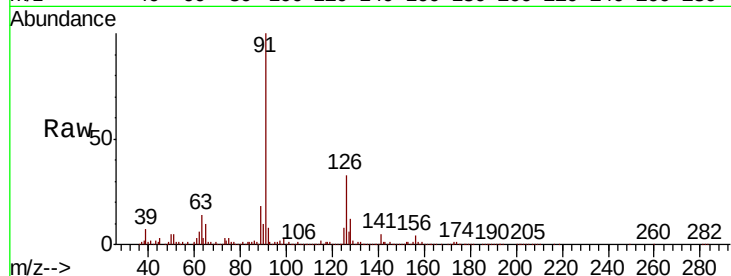
126 32.6 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059142.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059142.D (-3297) (-)

1000000

800000

600000

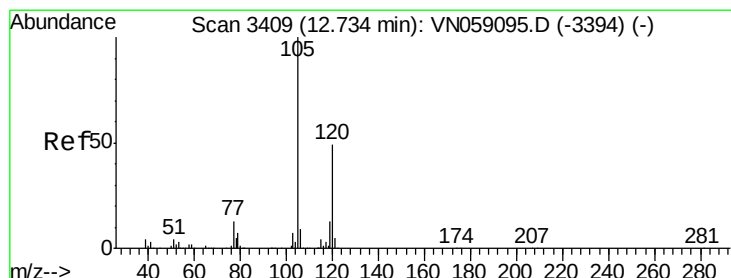
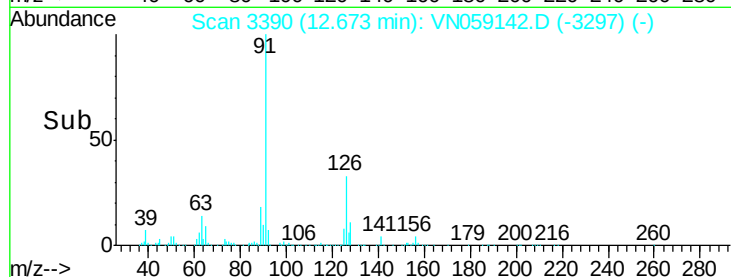
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.960 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059142.D

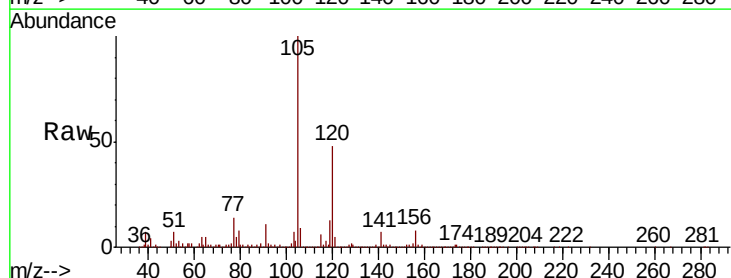
Acq: 8 Nov 2019 18:27

Tgt Ion:105 Resp: 1180376

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059142.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059142.D (-3316) (-)

800000

600000

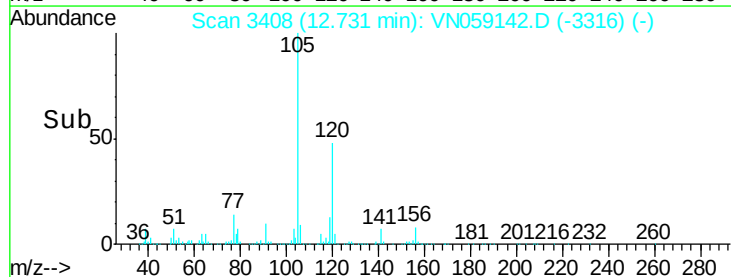
400000

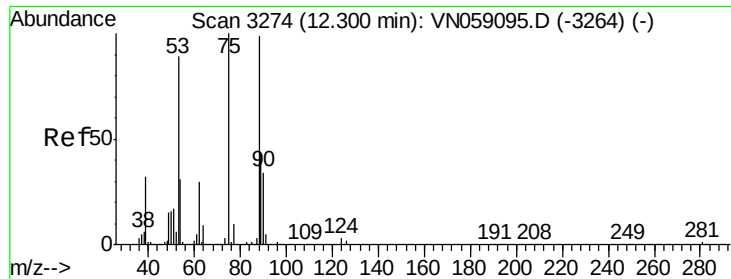
200000

0

12.65 12.70 12.75 12.80

Time-->





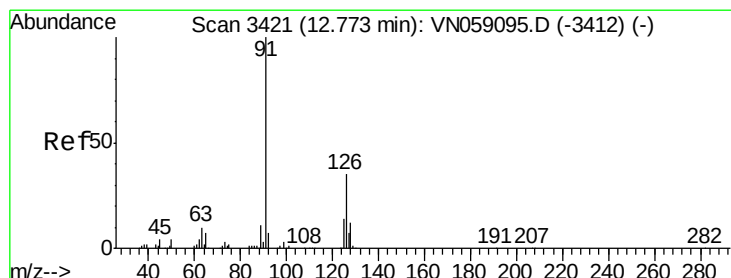
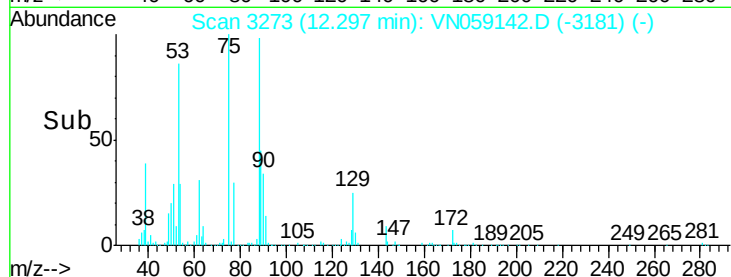
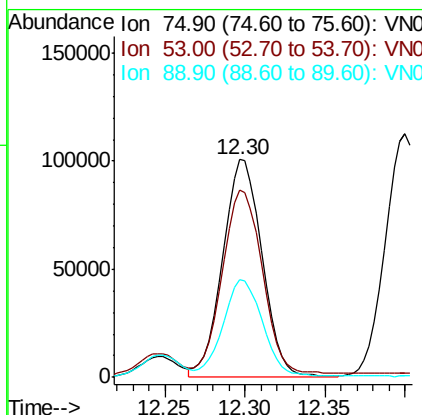
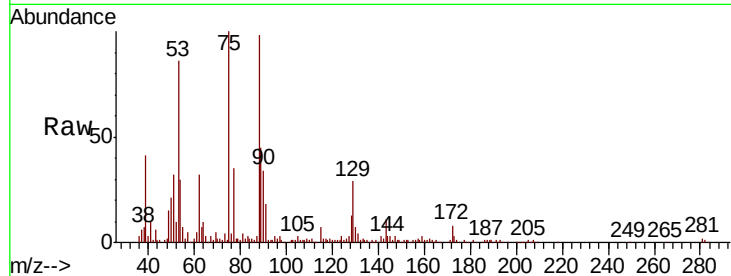
#81
trans-1,4-Dichloro-2-butene
Concen: 52.003 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.9	72.2	108.2
89	44.2	35.8	53.8

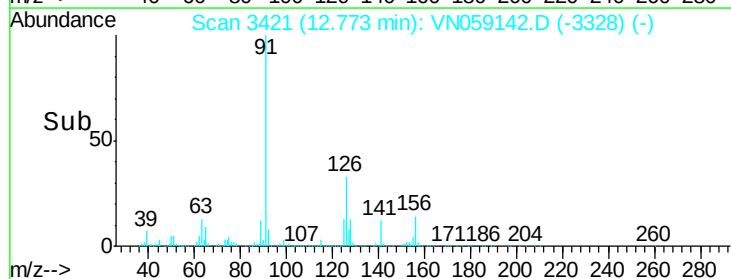
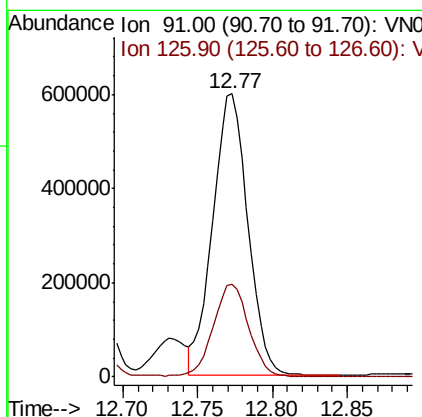
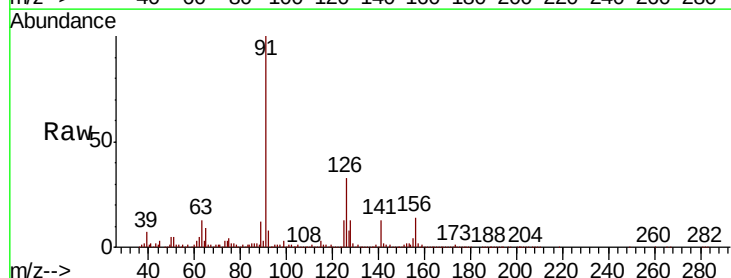
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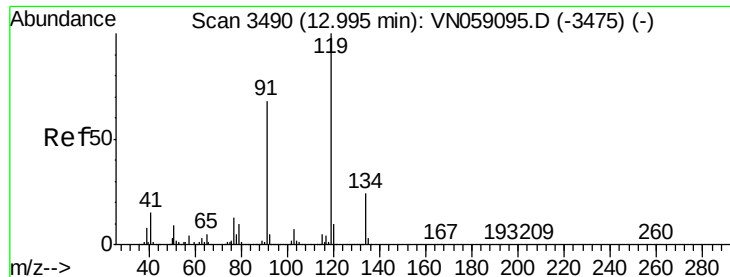
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.022 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.2





#83

tert-Butylbenzene

Concen: 48.770 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

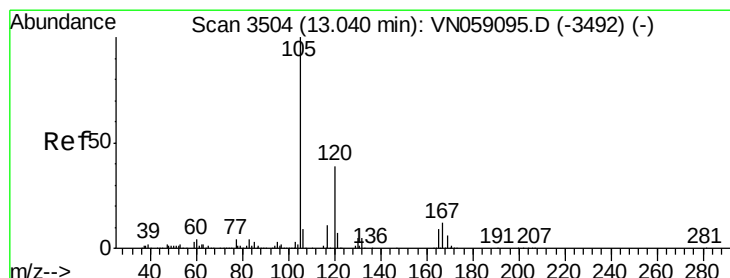
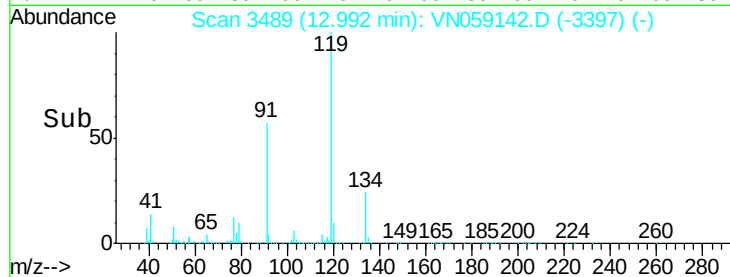
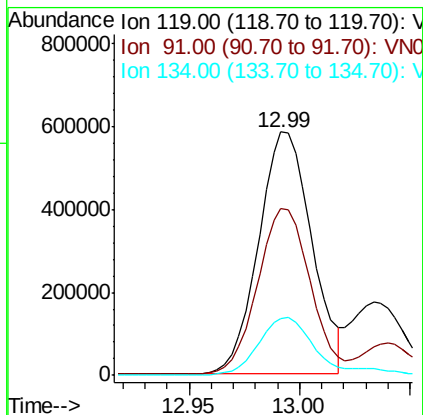
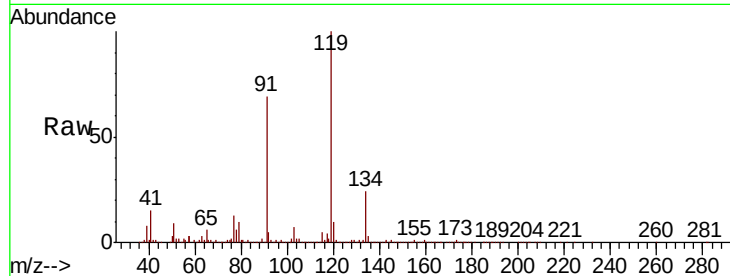
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	975544
Ion Ratio	Lower	Upper	
119	100		
91	67.0	33.2	99.6
134	24.2	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 52.288 ug/l

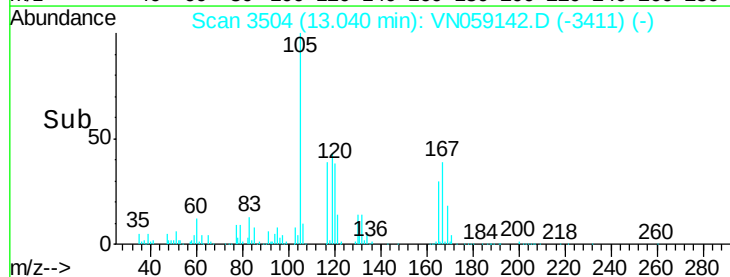
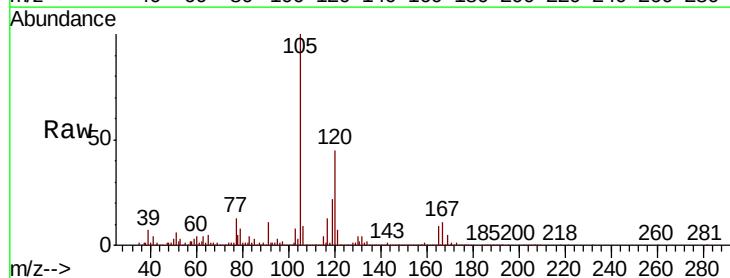
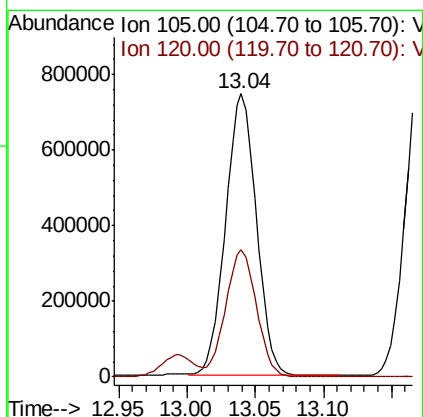
RT: 13.04 min Scan# 3504

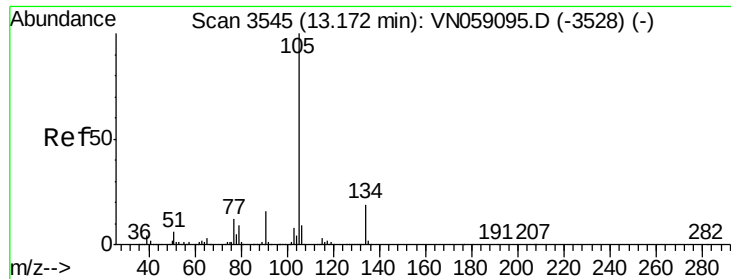
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	105	Resp:	1171764
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 51.072 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1328615

Ion Ratio Lower Upper

105 100

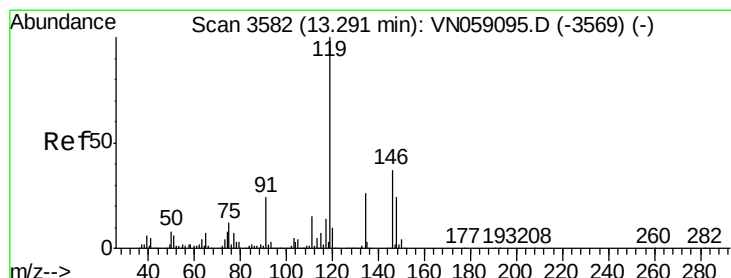
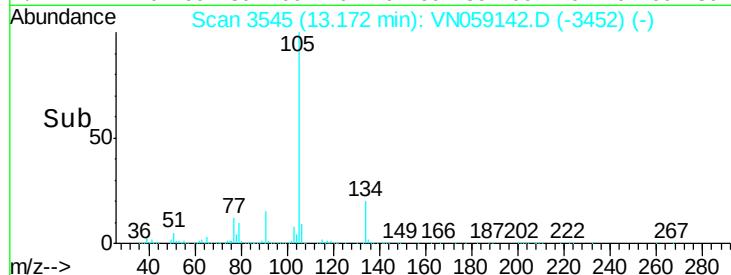
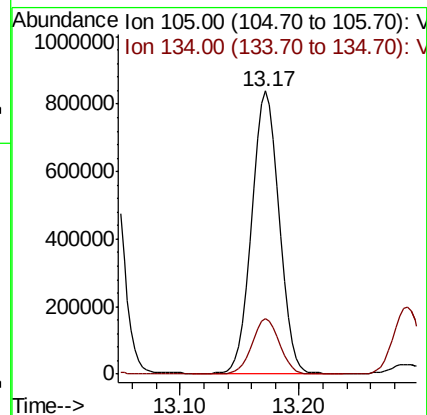
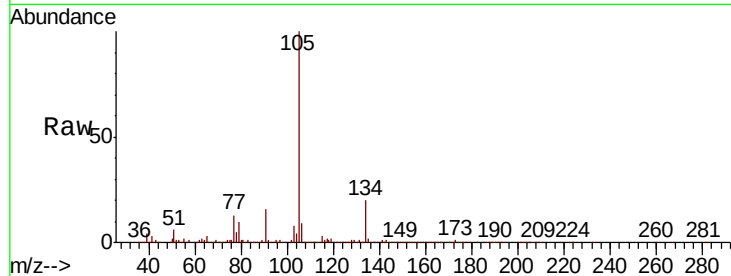
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 53.095 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

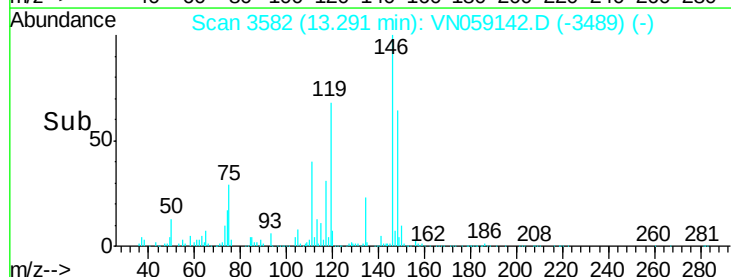
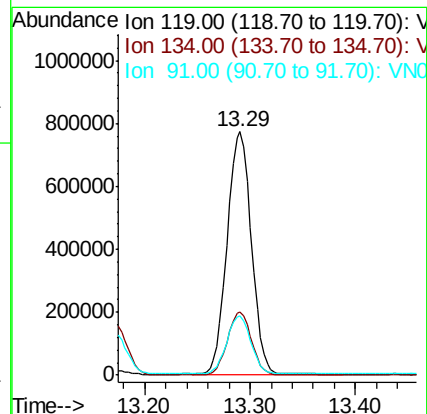
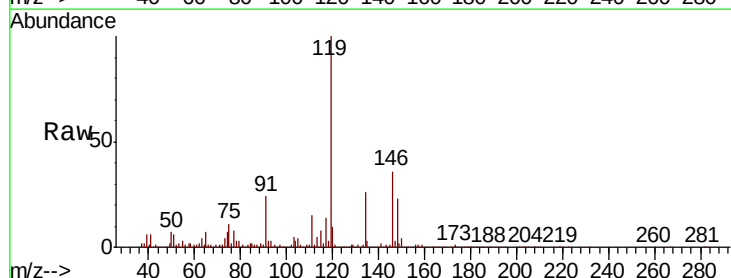
Tgt Ion:119 Resp: 1219596

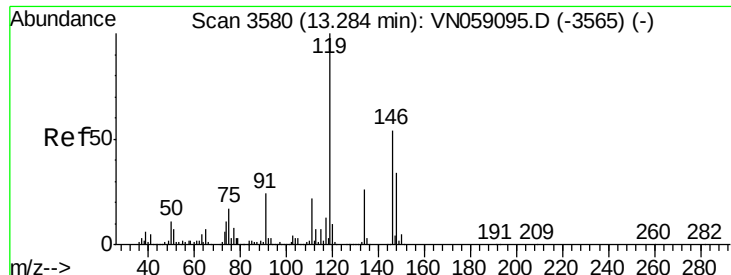
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 23.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 50.211 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059142.D

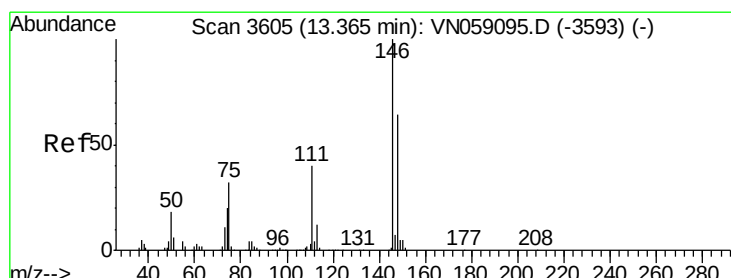
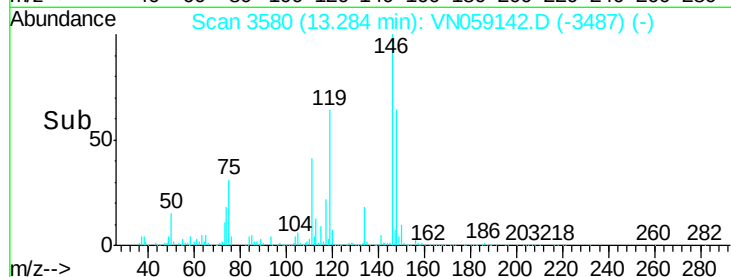
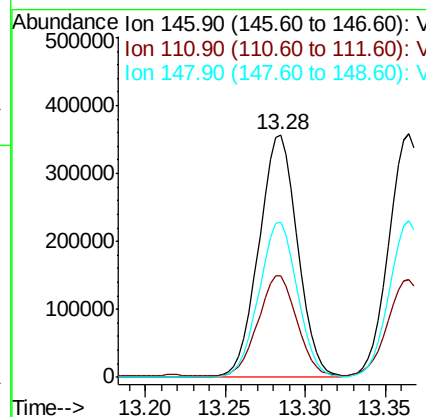
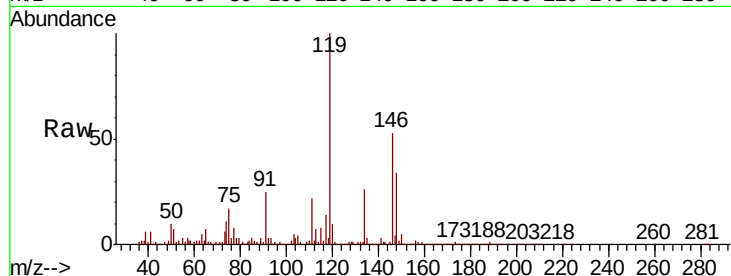
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	590510		
111	41.4	20.4	61.3	
148	63.9	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 50.212 ug/l

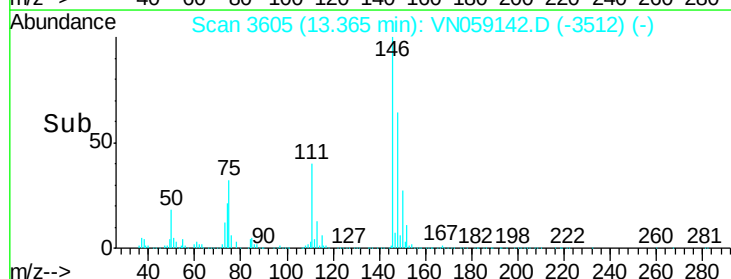
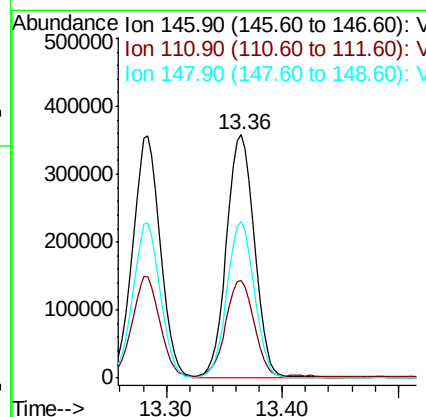
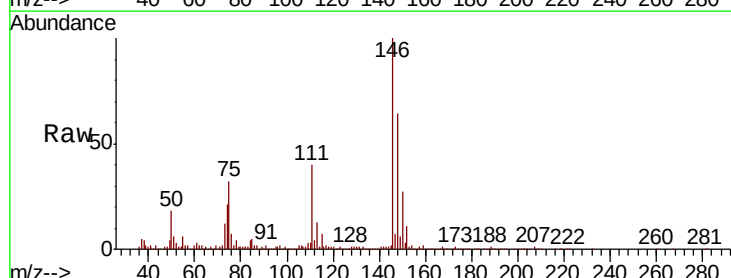
RT: 13.36 min Scan# 3605

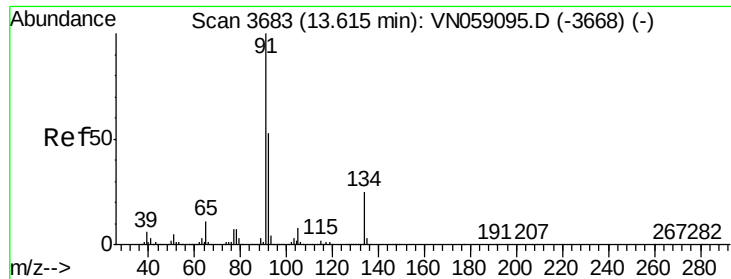
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	590835		
111	39.7	20.3	60.9	
148	63.0	31.9	95.7	





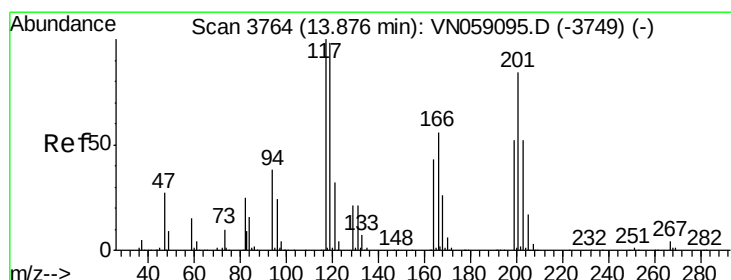
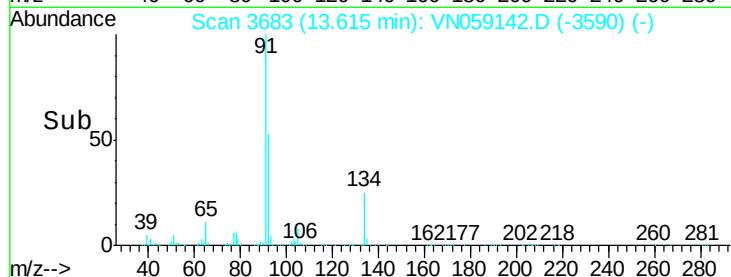
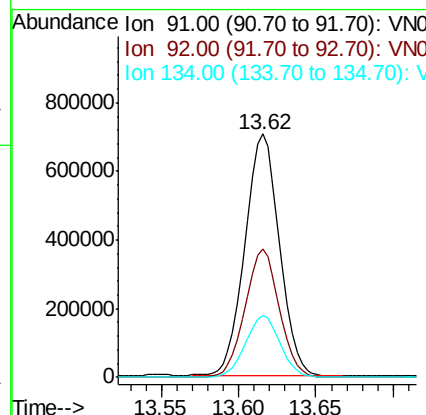
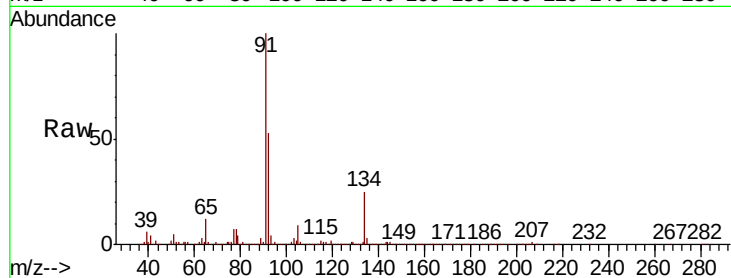
#89
n-Butylbenzene
Concen: 54.262 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	25.5	12.6	37.8

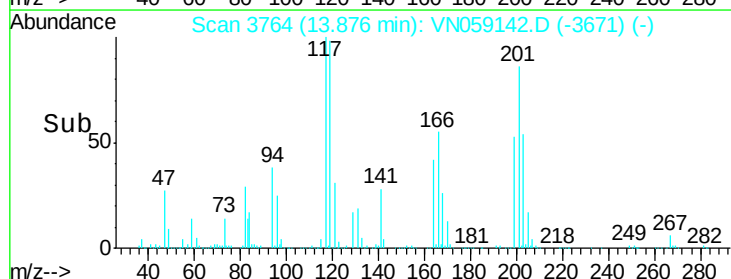
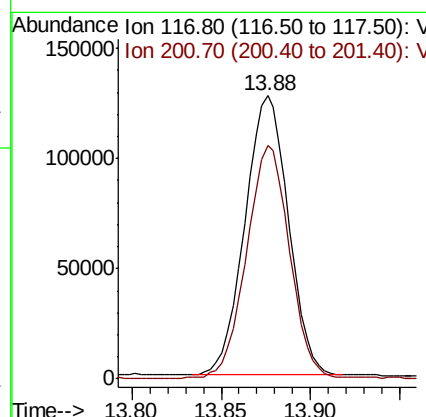
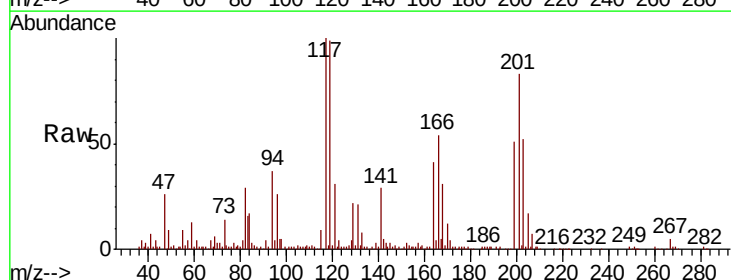
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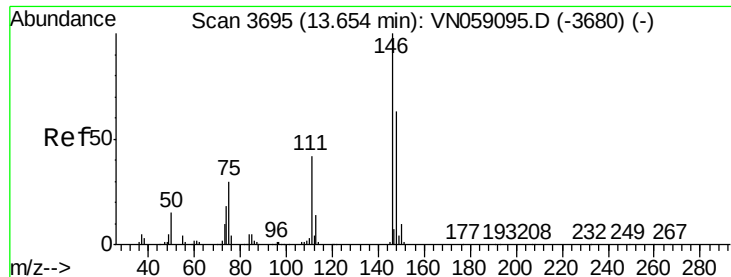
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#90
Hexachloroethane
Concen: 46.788 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	41.8	125.3





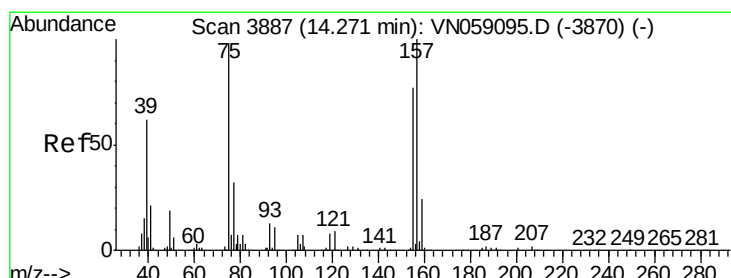
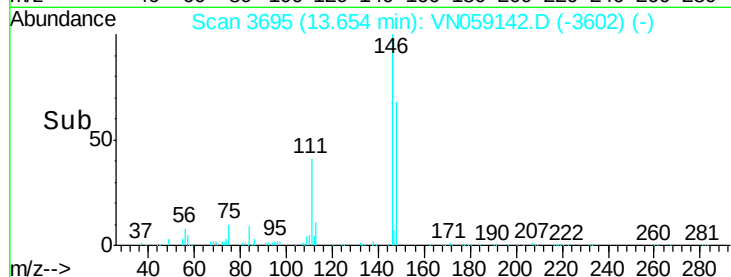
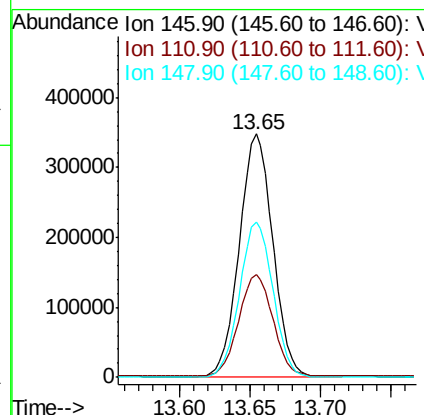
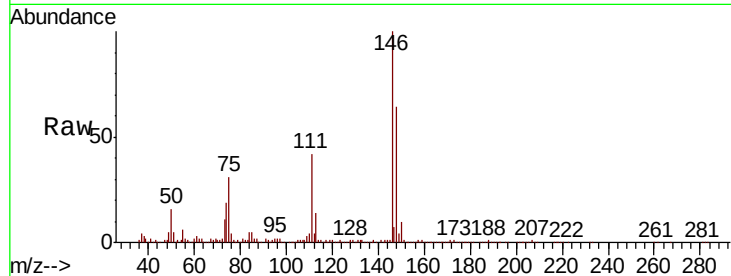
#91
 1,2-Dichlorobenzene
 Concen: 49.912 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.0	31.6	94.7

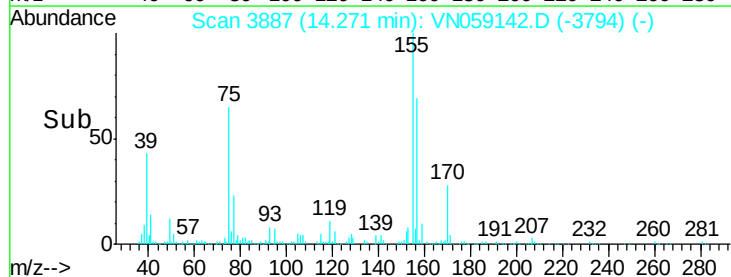
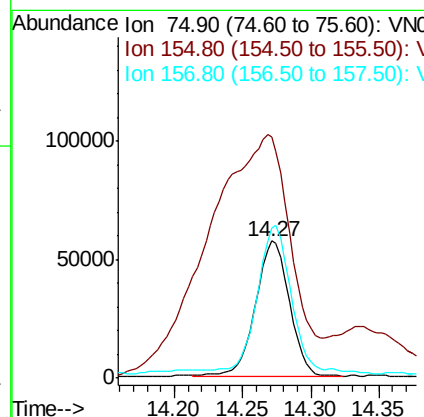
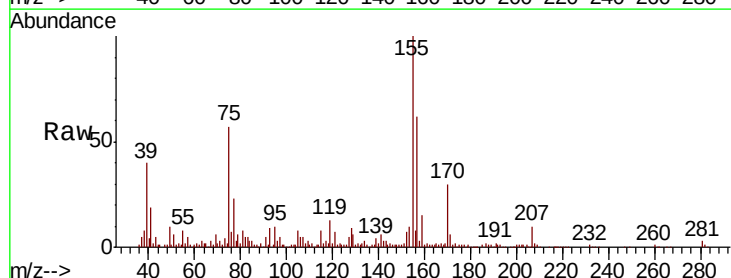
Manual Integrations
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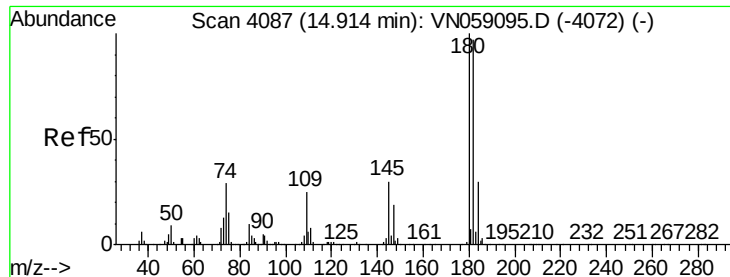
MMDadoda
 11/11/2019 10:35:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.734 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	440.3	40.2	120.6#
157	112.4	51.8	155.5





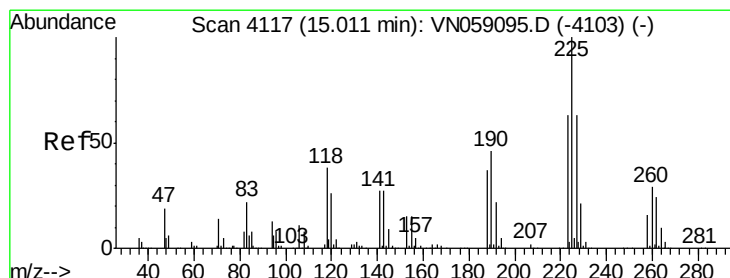
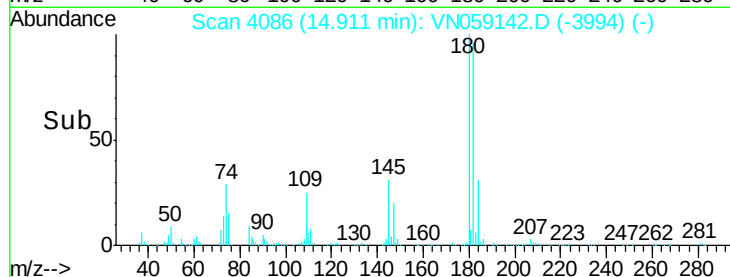
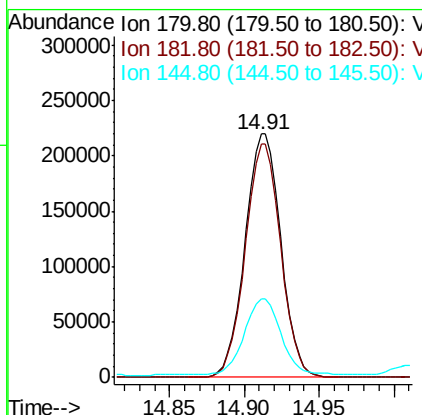
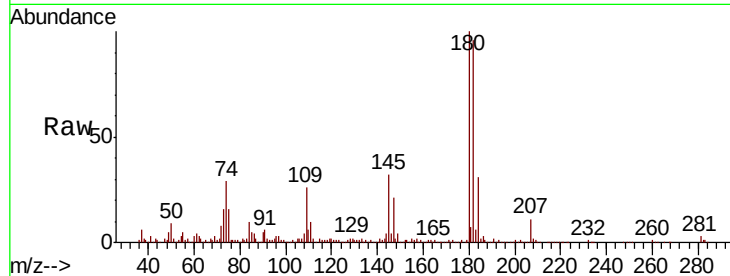
#93
 1,2,4-Trichlorobenzene
 Concen: 51.750 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	364035		
182	94.7	48.1	144.3	
145	33.2	15.1	45.3	

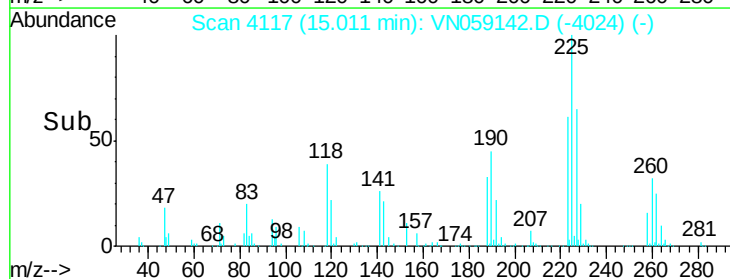
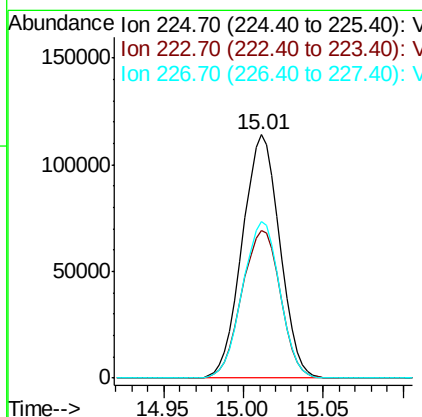
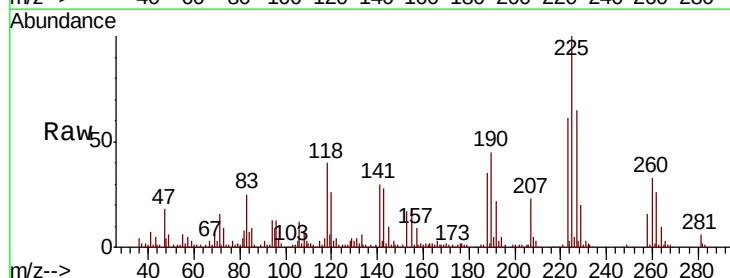
Manual Integrations
 APPROVED

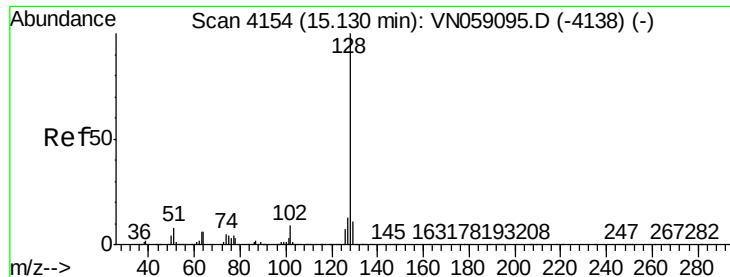
MMDadoda
 11/11/2019 10:35:24 AM



#94
 Hexachlorobutadiene
 Concen: 45.791 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182661		
223	62.2	31.3	93.9	
227	64.3	31.5	94.5	





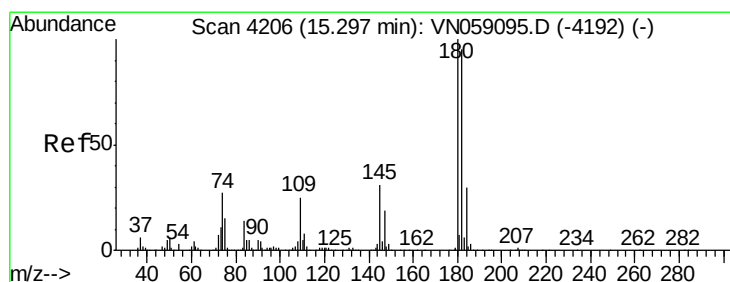
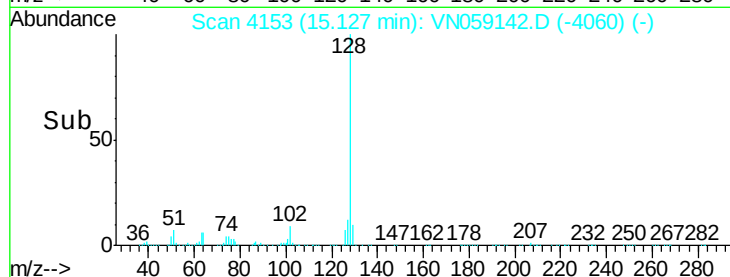
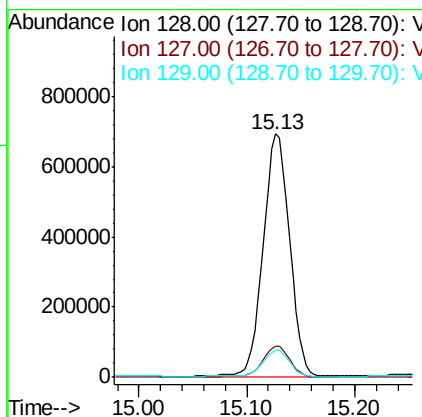
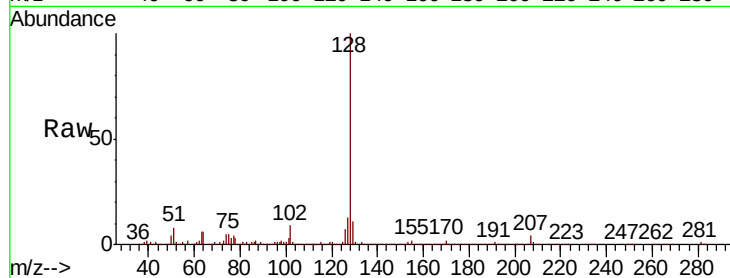
#95
Naphthalene
Concen: 59.585 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/11/2019 10:35:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.407 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	33.6	15.8	47.3

