

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059106.D
 Acq On : 6 Nov 2019 15:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:36 AM

Quant Time: Nov 07 04:40:05 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	517682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	808833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	736728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	350013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	305307	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	7.57	113	240070	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.08	98	950286	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	344039	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	242516	46.496	ug/l	99
3) Chloromethane	2.04	50	317714	44.811	ug/l	99
4) Vinyl Chloride	2.17	62	320802	46.669	ug/l	99
5) Bromomethane	2.54	94	184826	46.724	ug/l	98
6) Chloroethane	2.68	64	191668	47.136	ug/l	100
7) Trichlorofluoromethane	3.00	101	392540	47.742	ug/l	99
8) Diethyl Ether	3.39	74	162483	48.636	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	237211	47.850	ug/l	99
10) Methyl Iodide	3.93	142	307871	50.172	ug/l	100
11) Tert butyl alcohol	4.75	59	264411	218.022	ug/l	99
12) 1,1-Dichloroethene	3.71	96	227930	47.198	ug/l	95
13) Acrolein	3.58	56	147836	236.432	ug/l	100
14) Allyl chloride	4.29	41	461272m	46.500	ug/l	
15) Acrylonitrile	4.95	53	729552	241.720	ug/l	100
16) Acetone	3.79	43	808593	244.346	ug/l	99
17) Carbon Disulfide	4.03	76	682944	45.557	ug/l	100
18) Methyl Acetate	4.29	43	365539	46.537	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	815182	49.030	ug/l	100
20) Methylene Chloride	4.52	84	271498	47.093	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	251172	48.455	ug/l	100
22) Diisopropyl ether	5.92	45	921891	49.202	ug/l	99
23) Vinyl Acetate	5.86	43	3838222	264.314	ug/l	100
24) 1,1-Dichloroethane	5.82	63	502198	47.988	ug/l	99
25) 2-Butanone	6.81	43	1064920	244.172	ug/l	99
26) 2,2-Dichloropropane	6.80	77	433610	47.385	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	290739	48.345	ug/l	99
28) Bromochloromethane	7.17	49	149039	47.337	ug/l	99
29) Tetrahydrofuran	7.18	42	650796	234.842	ug/l	99
30) Chloroform	7.35	83	482275	48.041	ug/l	100
31) Cyclohexane	7.63	56	463593	46.794	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	413060	48.940	ug/l	99
36) 1,1-Dichloropropene	7.77	75	371497	49.138	ug/l	99
37) Ethyl Acetate	6.90	43	402159	47.816	ug/l	99
38) Carbon Tetrachloride	7.75	117	361163	47.996	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	445101	50.728	ug/l	99
40) Benzene	8.02	78	1118170	49.115	ug/l	99
41) Methacrylonitrile	7.15	41	189314m	51.764	ug/l	
42) 1,2-Dichloroethane	8.10	62	378666	48.495	ug/l	100
43) Isopropyl Acetate	8.14	43	653797	48.760	ug/l	100
44) Trichloroethene	8.82	130	273317	48.838	ug/l	98
45) 1,2-Dichloropropane	9.10	63	304296	49.209	ug/l	98
46) Dibromomethane	9.19	93	186101	48.295	ug/l	99
47) Bromodichloromethane	9.39	83	386333	50.208	ug/l	98
48) Methyl methacrylate	9.18	41	294019	49.023	ug/l	99
49) 1,4-Dioxane	9.18	88	102871	965.146	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1992947	262.684	ug/l	100
52) Toluene	10.14	92	680972	49.904	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	441634	49.679	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	483957	50.609	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	267288	48.400	ug/l	99
56) Ethyl methacrylate	10.42	69	429111	46.715	ug/l	99
57) 1,3-Dichloropropane	10.70	76	469337	49.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	667134	217.067	ug/l	100
59) 2-Hexanone	10.74	43	1521470	261.274	ug/l	100
60) Dibromochloromethane	10.90	129	290989	49.837	ug/l	100
61) 1,2-Dibromoethane	11.00	107	276511	49.461	ug/l	100
64) Tetrachloroethene	10.63	164	237951	47.499	ug/l	99
65) Chlorobenzene	11.43	112	711916	49.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	268488	49.836	ug/l	100
67) Ethyl Benzene	11.51	91	1315496	51.627	ug/l	100
68) m/p-Xylenes	11.62	106	975495	102.201	ug/l	100
69) o-Xylene	11.95	106	467506	50.683	ug/l	99
70) Styrene	11.96	104	776579	53.531	ug/l	99
71) Bromoform	12.13	173	211280	50.418	ug/l #	99
73) Isopropylbenzene	12.25	105	1263530	49.628	ug/l	100
74) N-amyl acetate	12.07	43	541823	50.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	407625	47.014	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	363285m	45.589	ug/l	
77) Bromobenzene	12.53	156	300848	47.032	ug/l	100
78) n-propylbenzene	12.59	91	1498265	51.395	ug/l	100
79) 2-Chlorotoluene	12.68	91	878459	48.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1081838	50.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149745	49.634	ug/l	98
82) 4-Chlorotoluene	12.77	91	903488	49.811	ug/l	99
83) tert-Butylbenzene	12.99	119	909987	48.844	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1061606	50.862	ug/l	99
85) sec-Butylbenzene	13.17	105	1235018	50.971	ug/l	100
86) p-Isopropyltoluene	13.29	119	1117435	52.231	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	540851	49.376	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	529646	48.328	ug/l	99
89) n-Butylbenzene	13.62	91	984146	52.558	ug/l	100
90) Hexachloroethane	13.88	117	202827	47.213	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	530347	49.219	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79811	46.141	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	295649	45.515	ug/l	100
94) Hexachlorobutadiene	15.01	225	175985	47.367	ug/l	100
95) Naphthalene	15.13	128	785007	43.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	293660	48.630	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 517682

Ion Ratio Lower Upper

168 100

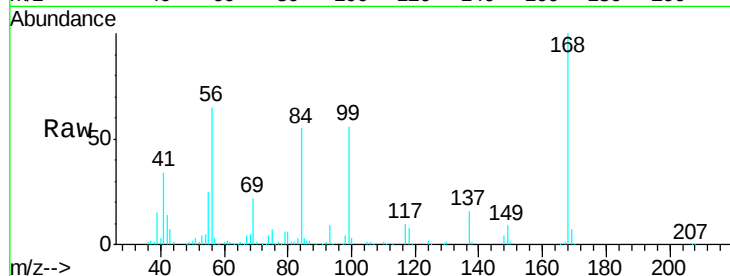
99 56.0 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

250000

200000

150000

100000

50000

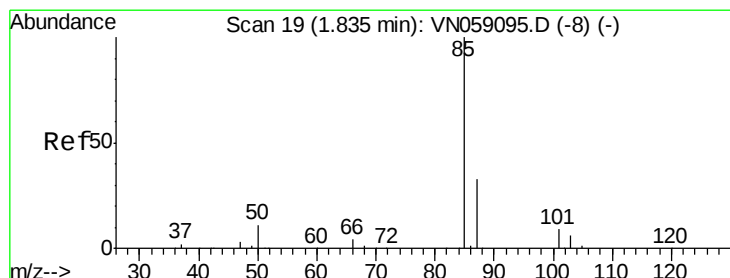
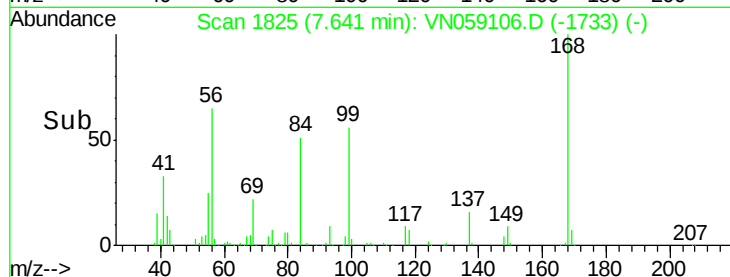
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.496 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059106.D

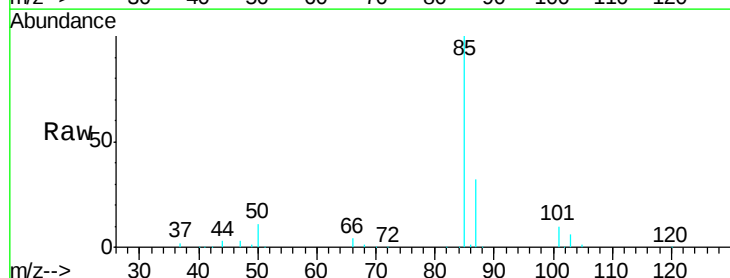
Acq: 6 Nov 2019 15:01

Tgt Ion: 85 Resp: 242516

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059095.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059095.D (-8) (-)

1.83

200000

150000

100000

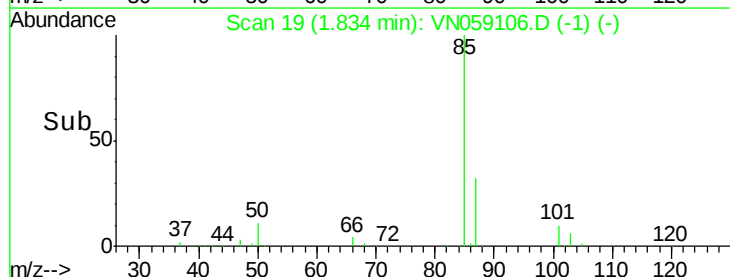
50000

0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 44.811 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 317714

Ion Ratio Lower Upper

50 100

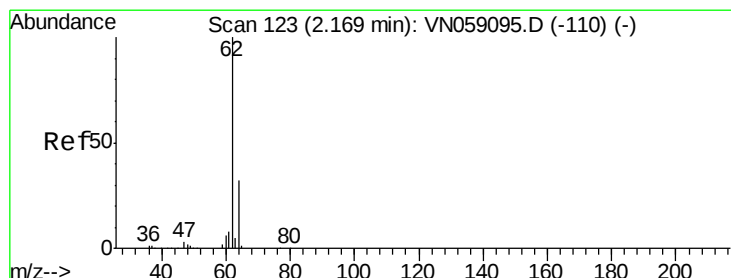
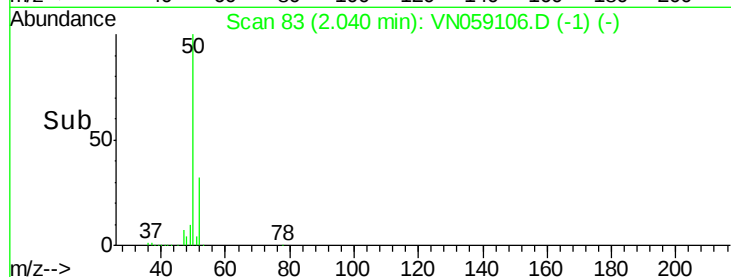
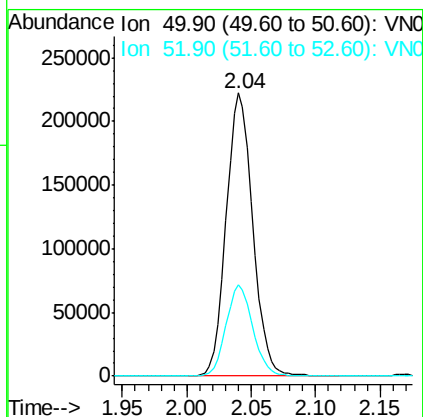
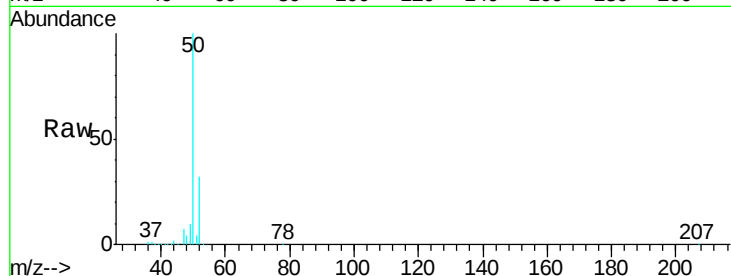
52 32.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 46.669 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059106.D

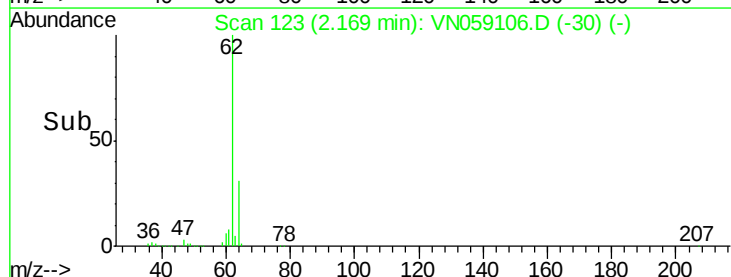
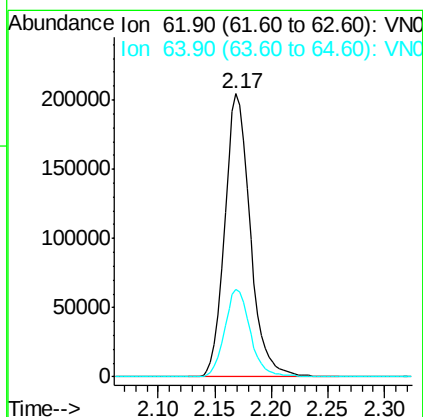
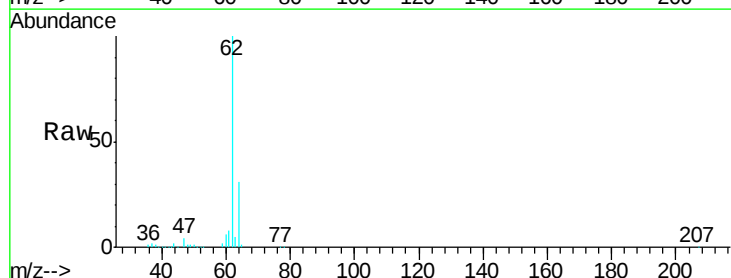
Acq: 6 Nov 2019 15:01

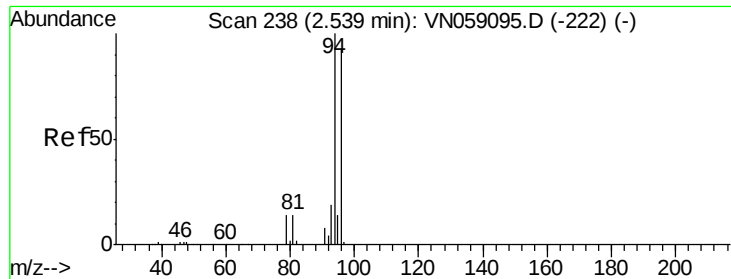
Tgt Ion: 62 Resp: 320802

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 46.724 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 184826

Ion Ratio Lower Upper

94 100

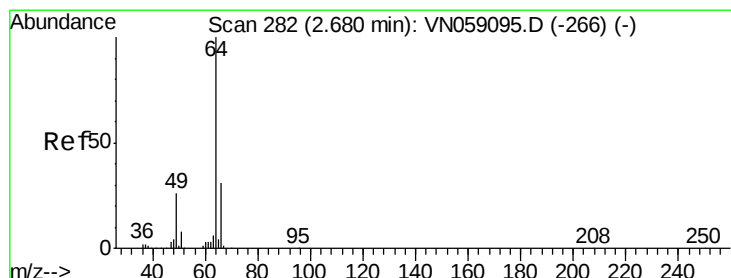
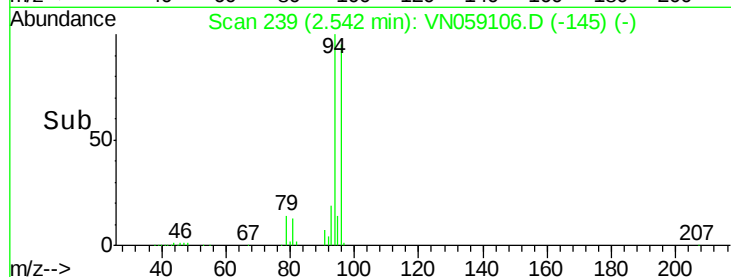
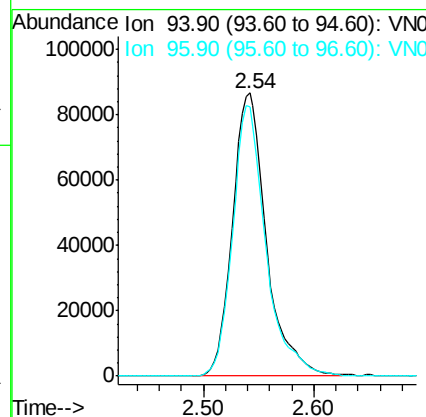
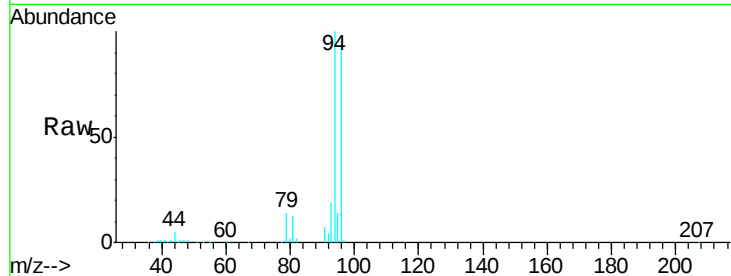
96 95.0 74.2 111.2

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#6

Chloroethane

Concen: 47.136 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059106.D

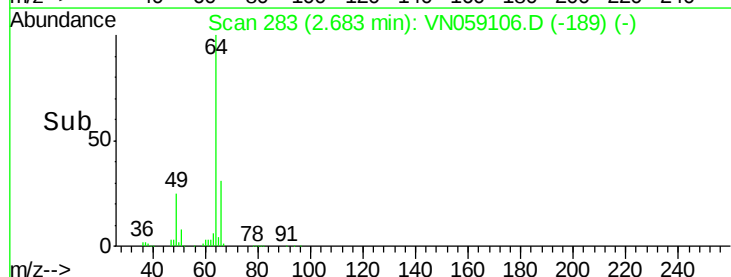
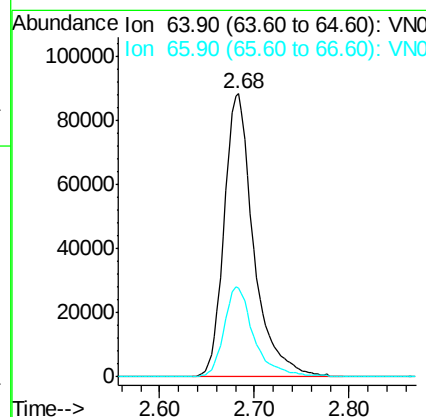
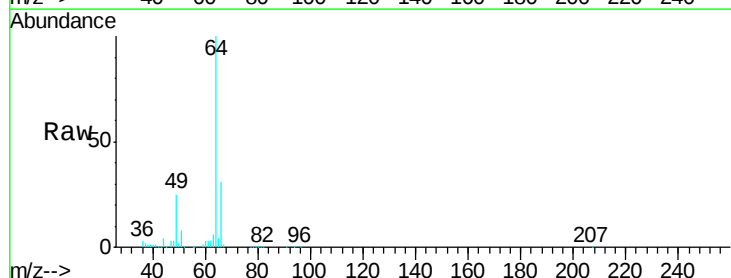
Acq: 6 Nov 2019 15:01

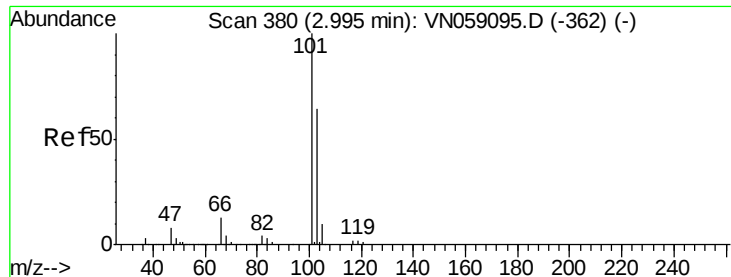
Tgt Ion: 64 Resp: 191668

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8





#7

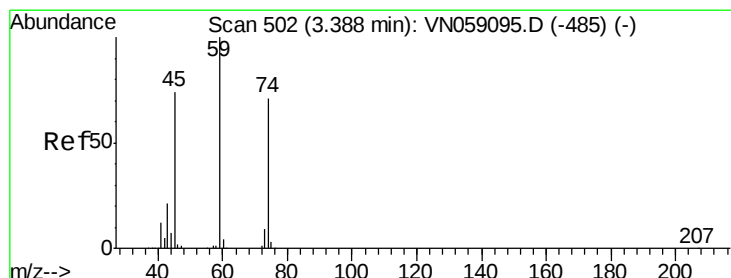
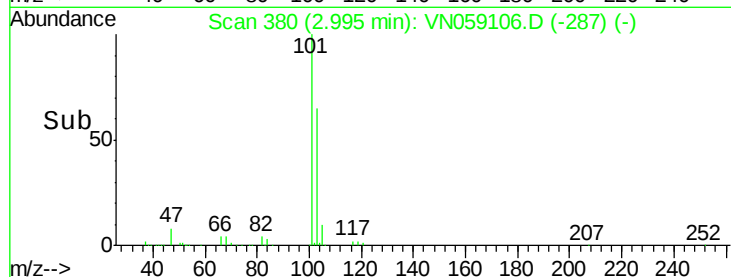
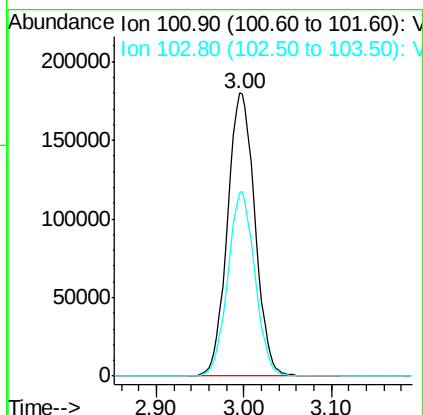
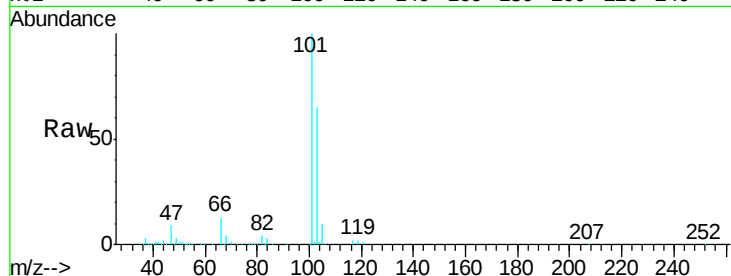
Trichlorofluoromethane
Concen: 47.742 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059106.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

Manual Integrations
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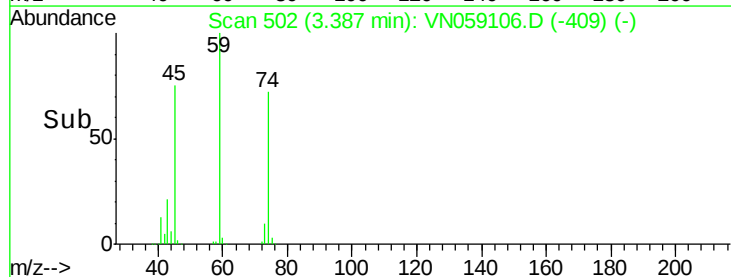
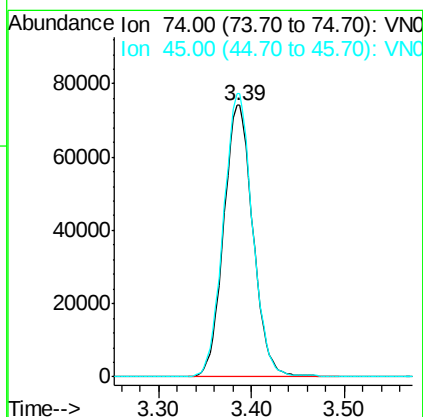
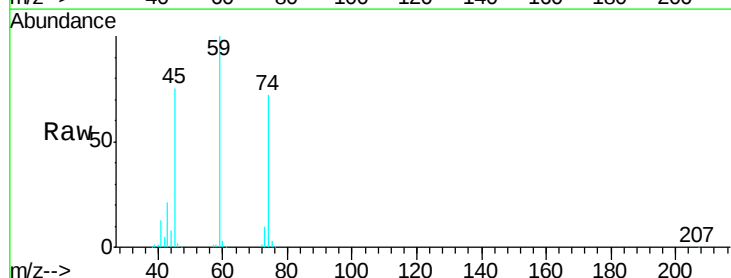
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11/7/2019 9:16:36 AM



#8

Diethyl Ether
Concen: 48.636 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.850 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

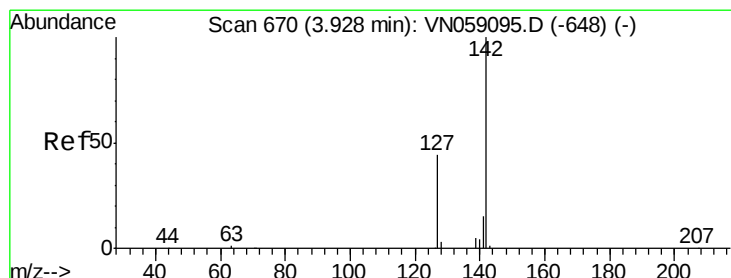
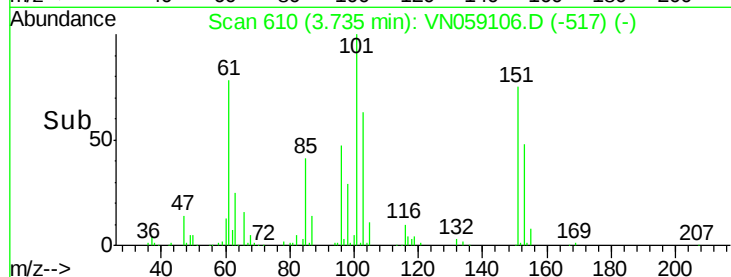
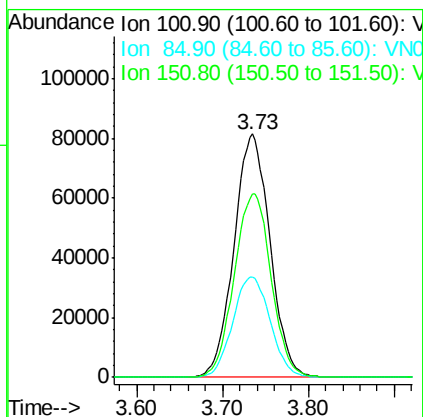
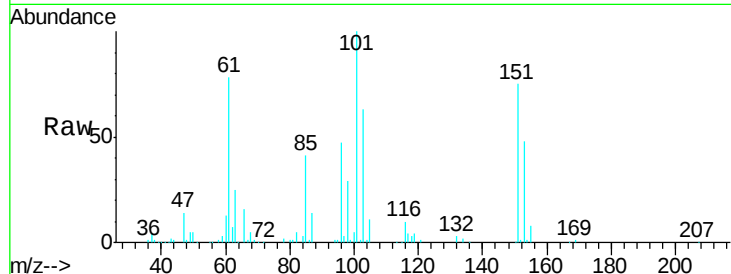
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	237211
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.5	53.3
151	77.2	62.2	93.2

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#10

Methyl Iodide

Concen: 50.172 ug/l

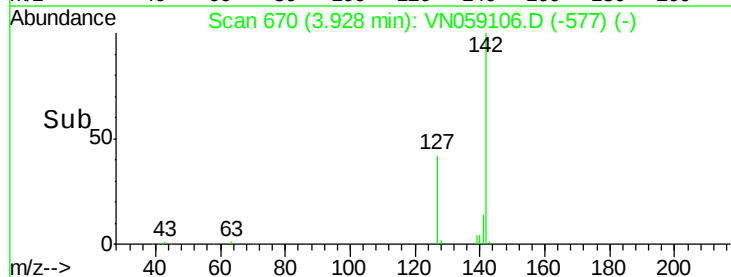
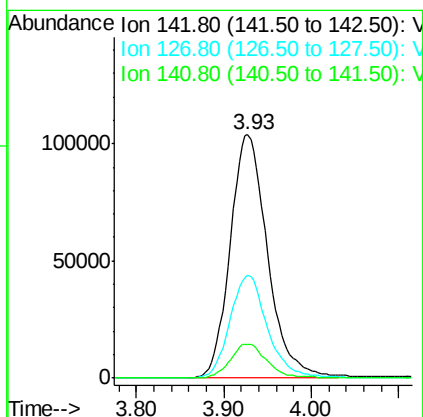
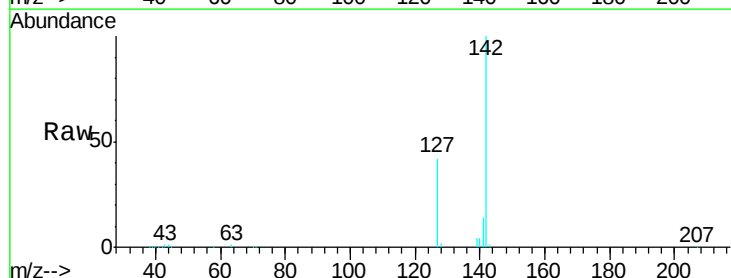
RT: 3.93 min Scan# 670

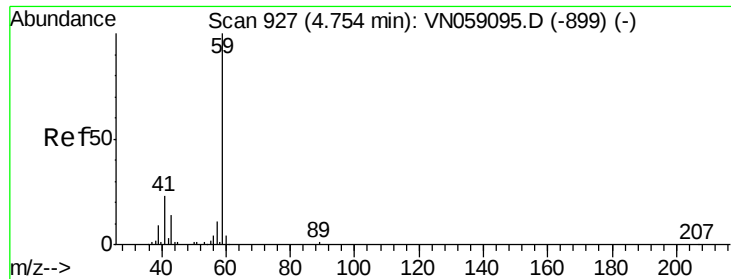
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	142	Resp:	307871
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	13.9	11.4	17.0





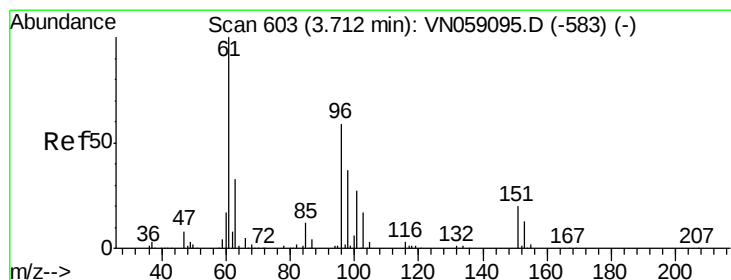
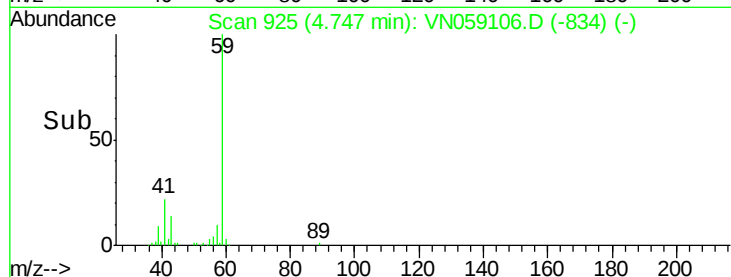
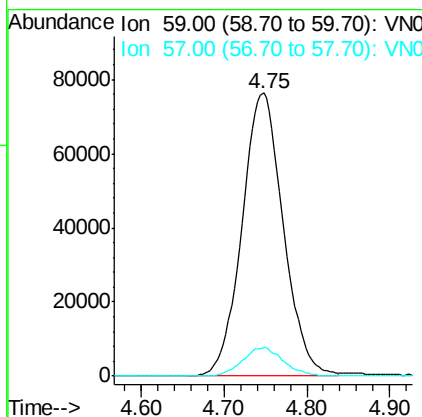
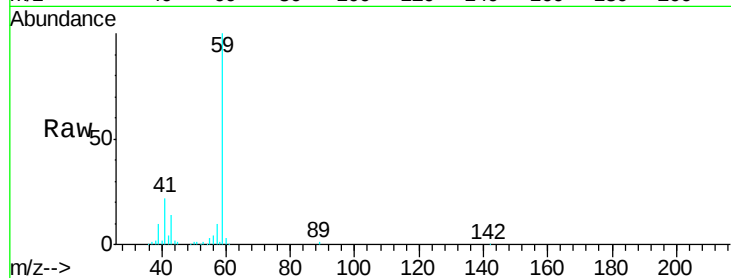
#11
Tert butyl alcohol
Concen: 218.022 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 264411
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

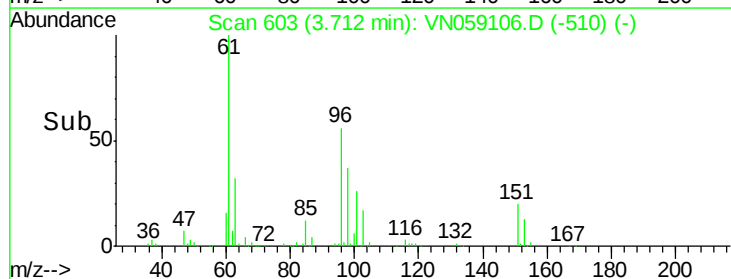
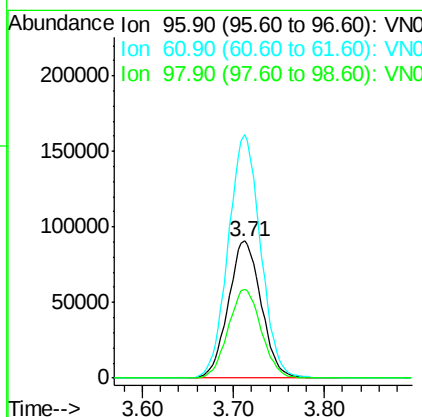
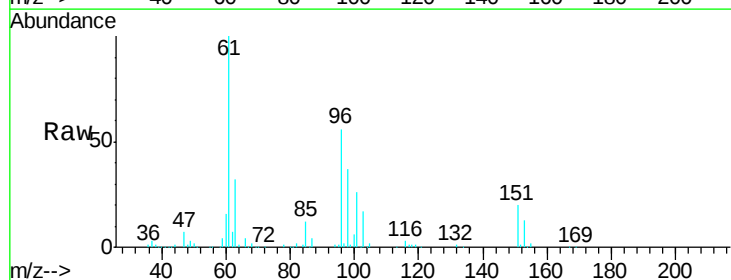
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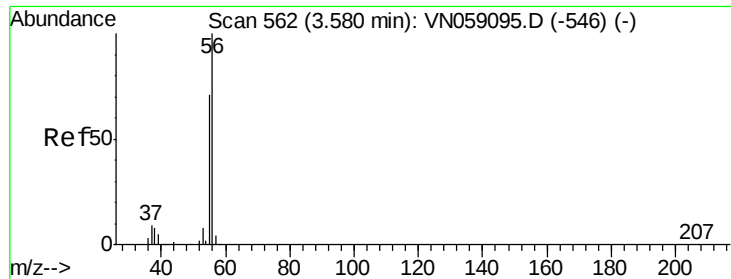
MMDadoda
11/7/2019 9:16:36 AM



#12
1,1-Dichloroethene
Concen: 47.198 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 96 Resp: 227930
Ion Ratio Lower Upper
96 100
61 177.7 136.5 204.7
98 65.1 50.2 75.4





#13

Acrolein

Concen: 236.432 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 147836

Ion Ratio Lower Upper

56 100

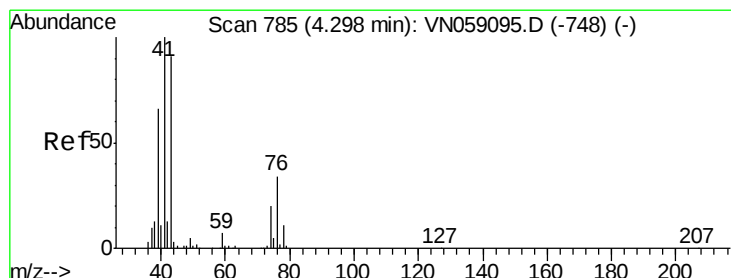
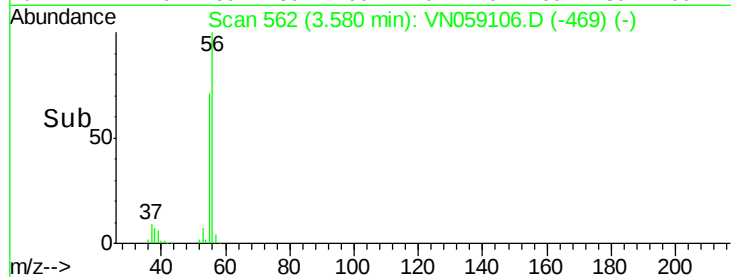
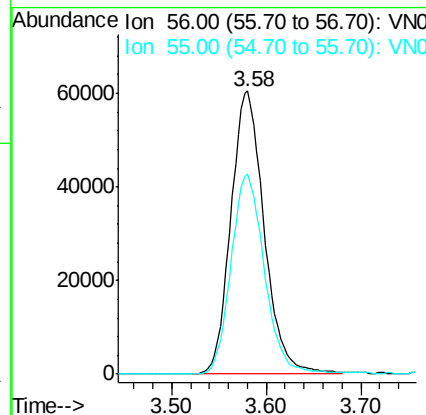
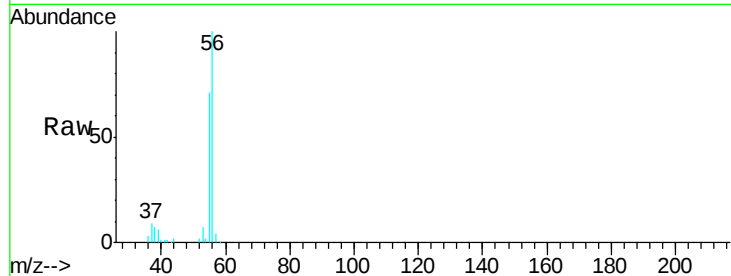
55 70.8 56.4 84.6

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#14

Allyl chloride

Concen: 46.500 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

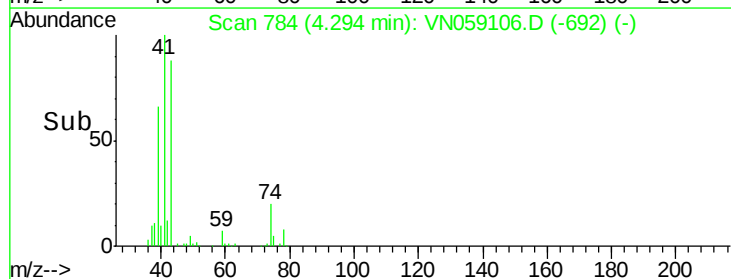
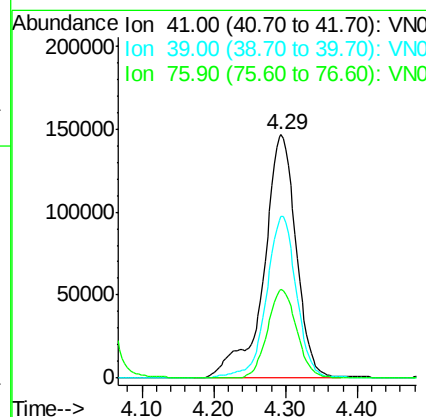
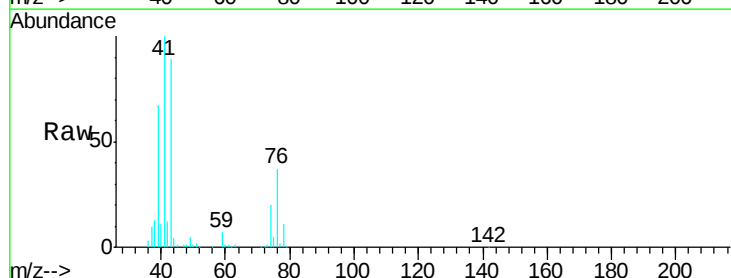
Tgt Ion: 41 Resp: 461272

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 33.0 24.9 37.3





#15

Acrylonitrile

Concen: 241.720 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

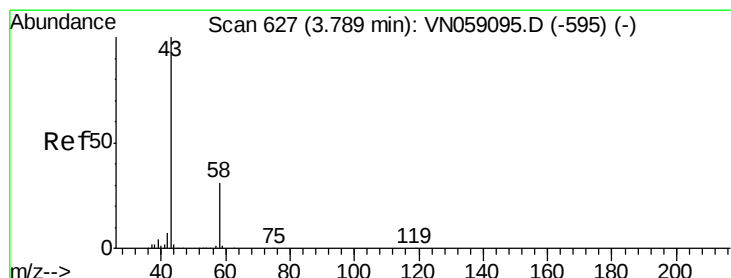
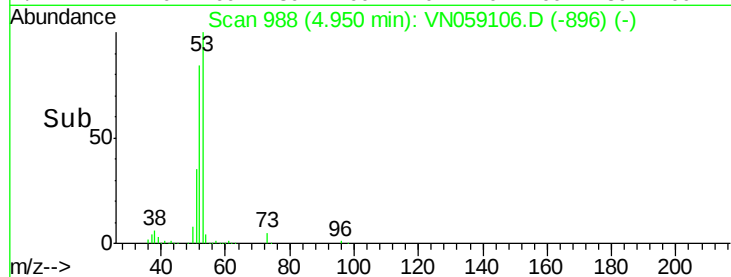
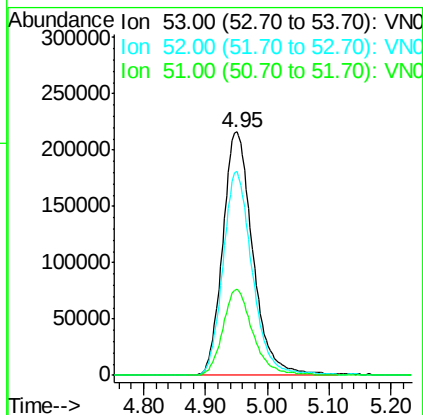
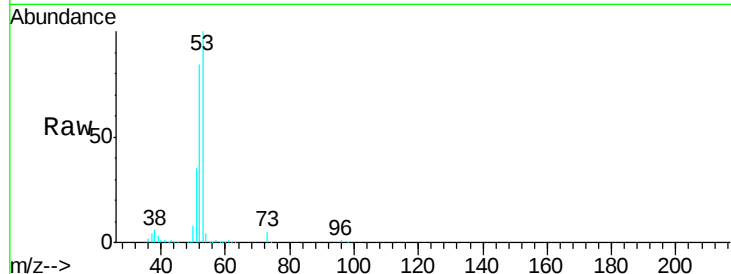
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	729552
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.6
51	35.4	28.0	42.0

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#16

Acetone

Concen: 244.346 ug/l

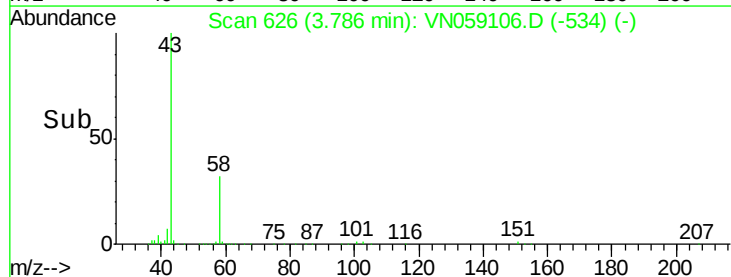
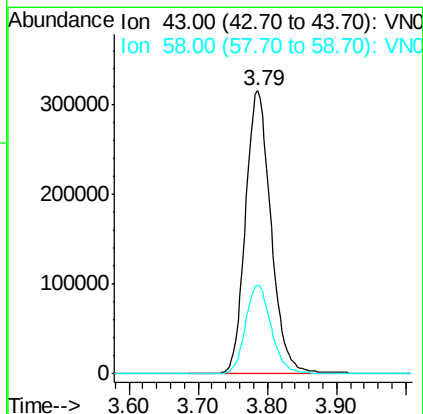
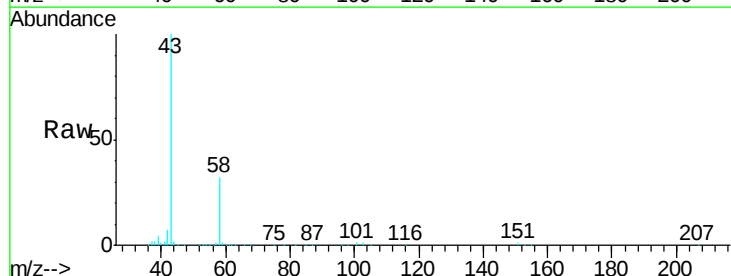
RT: 3.79 min Scan# 626

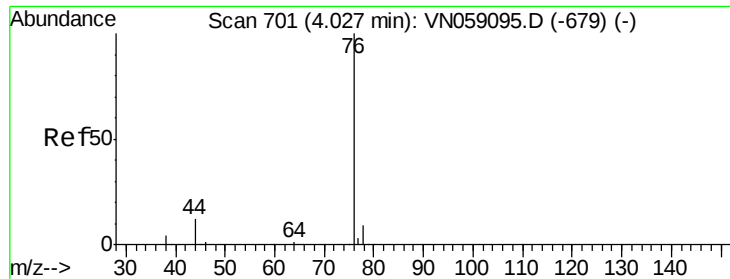
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	43	Resp:	808593
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.9	37.3





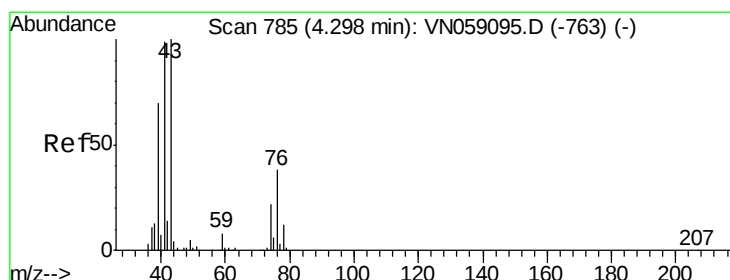
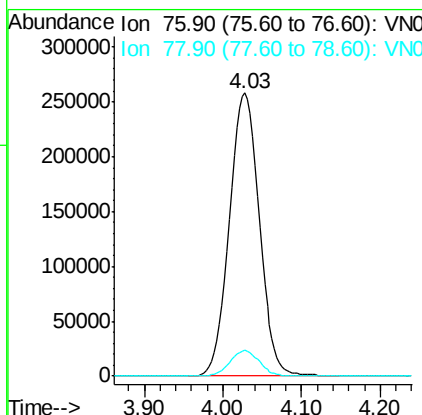
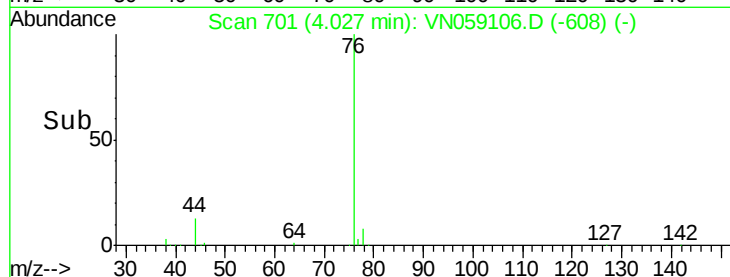
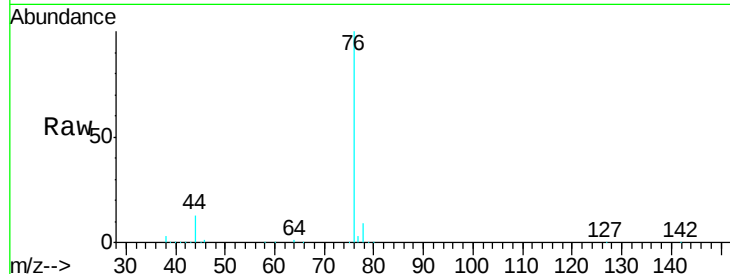
#17
Carbon Disulfide
Concen: 45.557 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 682944
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

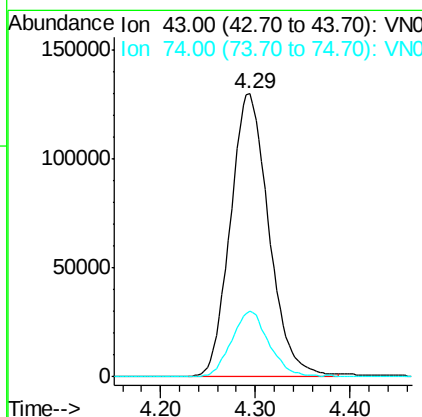
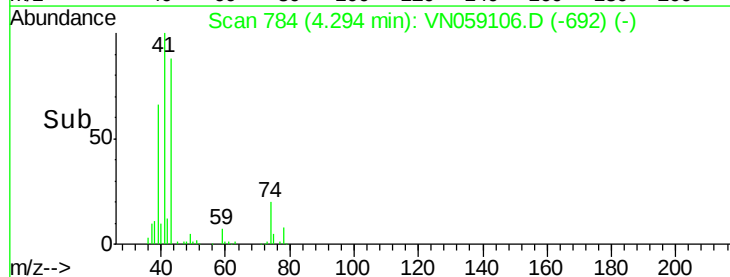
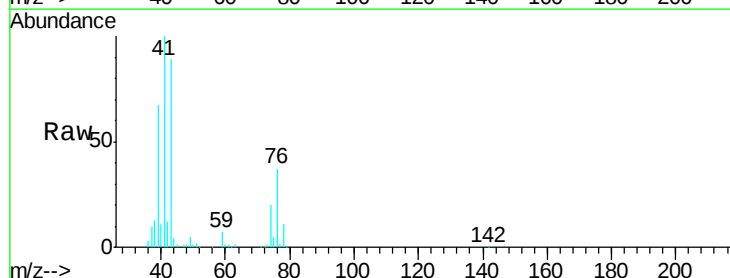
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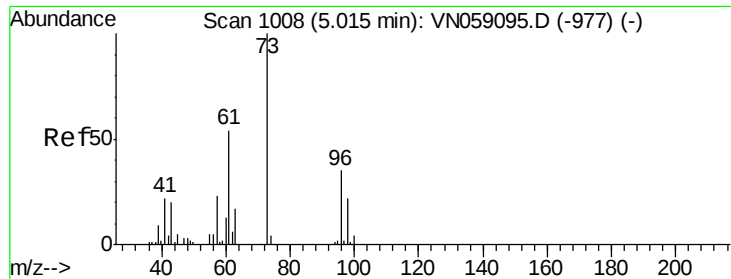
MMDadoda
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#18
Methyl Acetate
Concen: 46.537 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 43 Resp: 365539
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.8





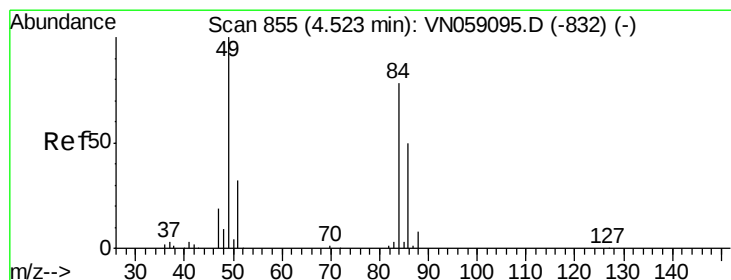
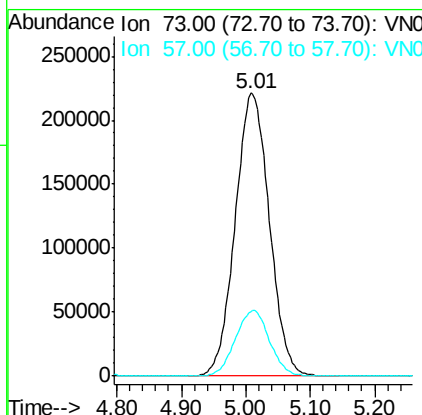
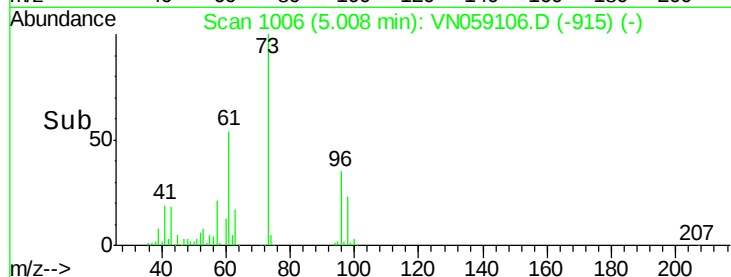
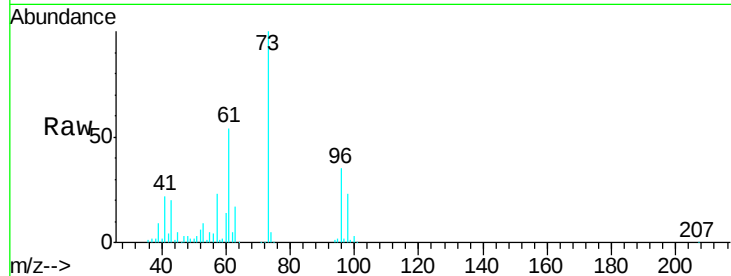
#19
Methyl tert-butyl Ether
Concen: 49.030 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 815182
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

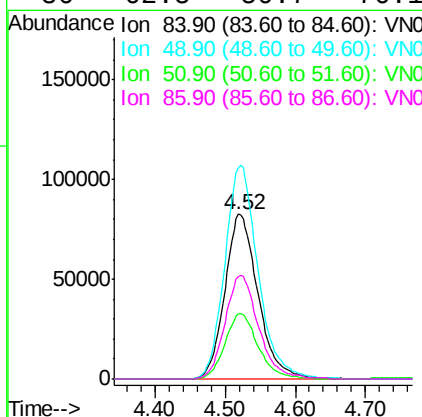
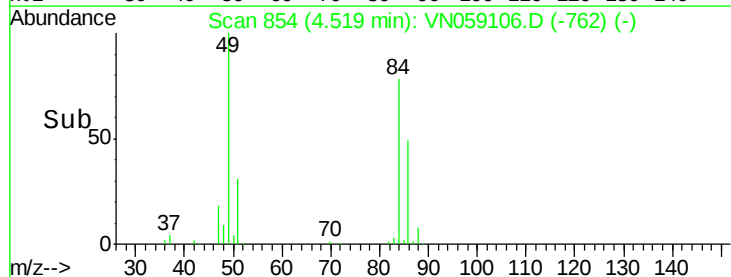
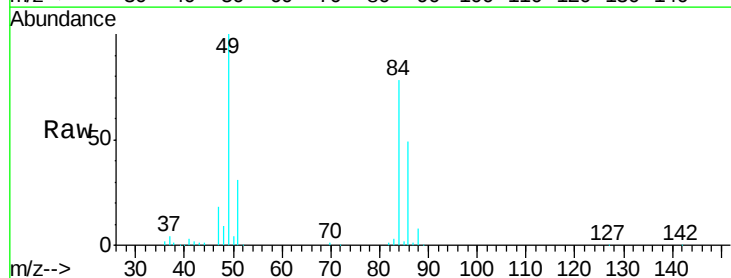
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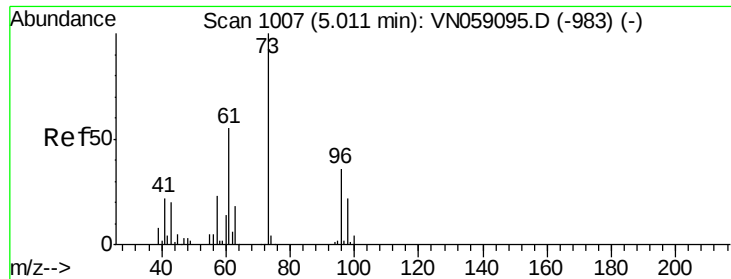
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#20
Methylene Chloride
Concen: 47.093 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 84 Resp: 271498
Ion Ratio Lower Upper
84 100
49 128.3 102.0 153.0
51 39.4 32.2 48.2
86 62.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.455 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 251172

Ion Ratio Lower Upper

96 100

61 153.8 122.6 183.8

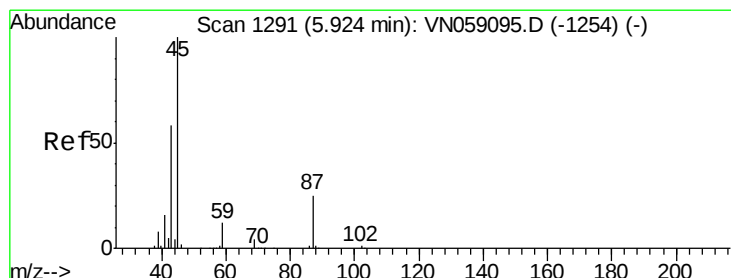
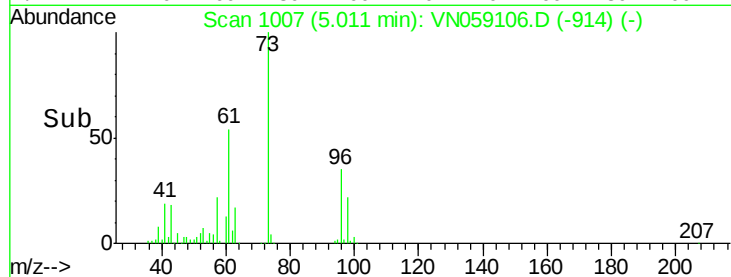
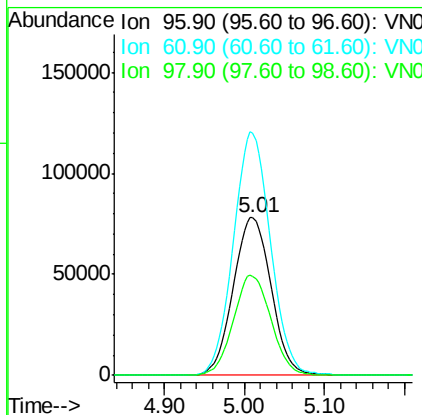
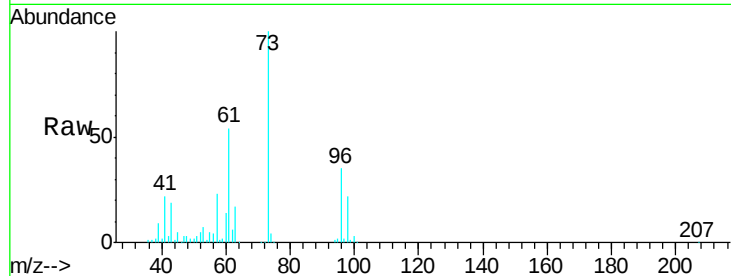
98 63.1 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.202 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion: 45 Resp: 921891

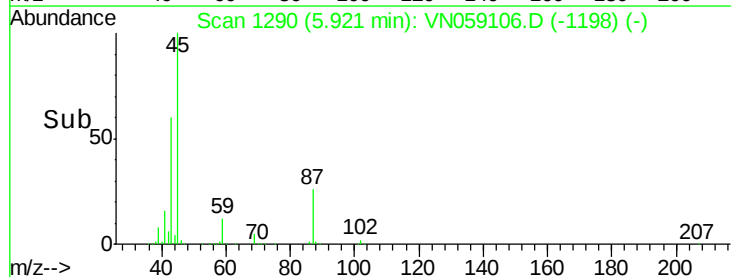
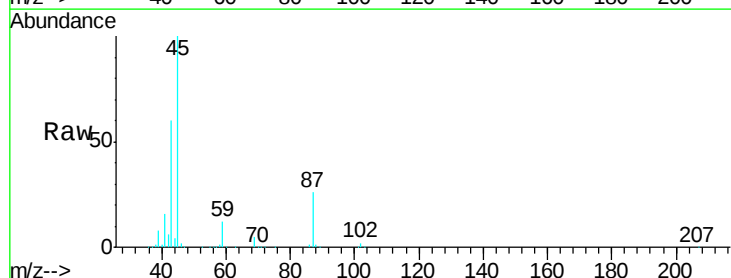
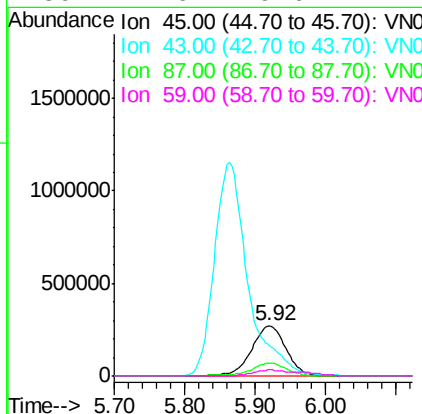
Ion Ratio Lower Upper

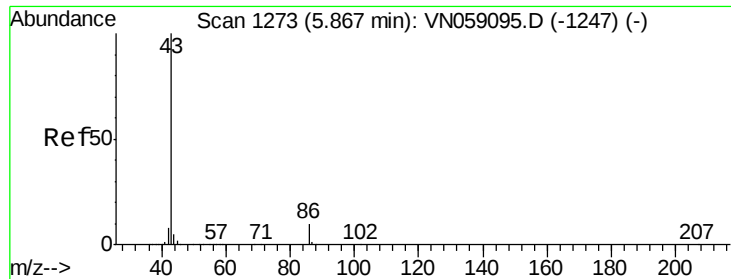
45 100

43 58.8 46.7 70.1

87 26.4 20.5 30.7

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 264.314 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3838222

Ion Ratio Lower Upper

43 100

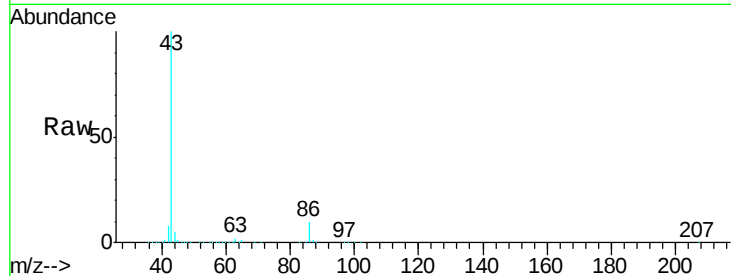
86 9.6 7.7 11.5

Manual Integrations

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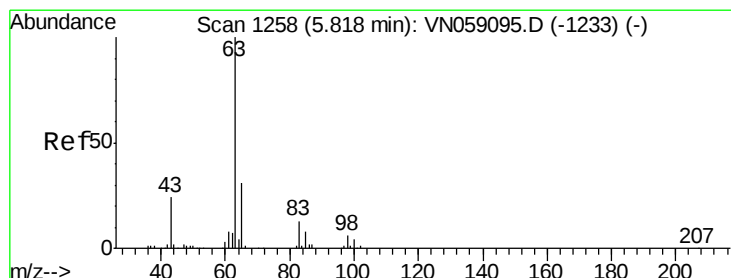
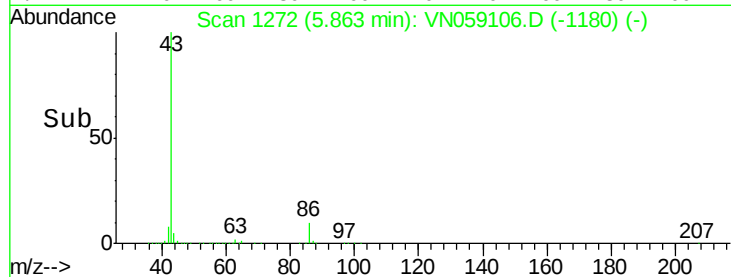
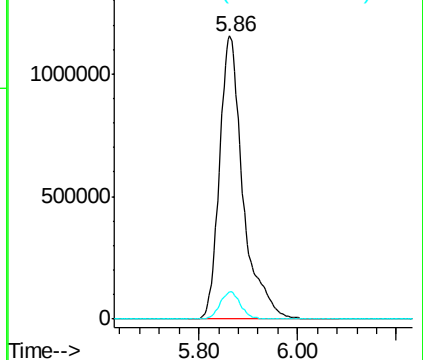
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.988 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

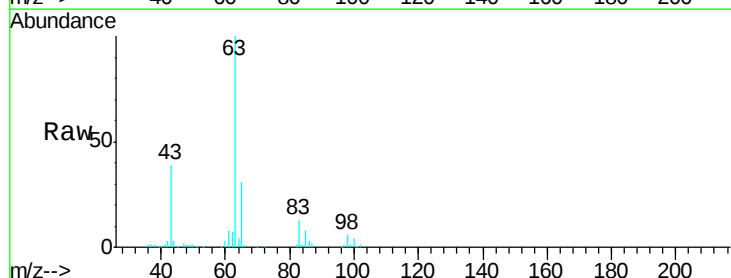
Tgt Ion: 63 Resp: 502198

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

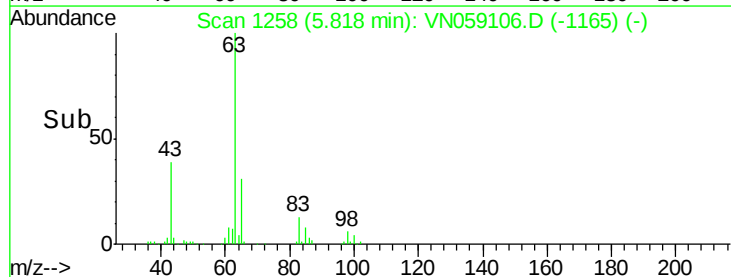
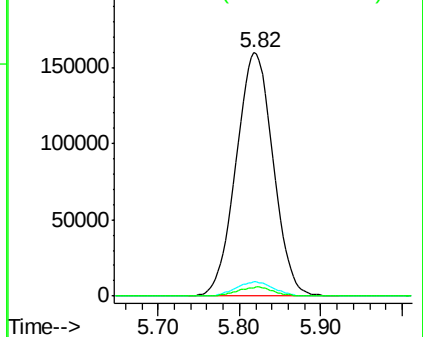
100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 244.172 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1064920

Ion Ratio Lower Upper

43 100

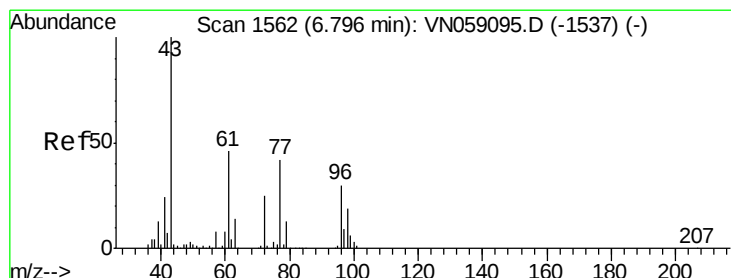
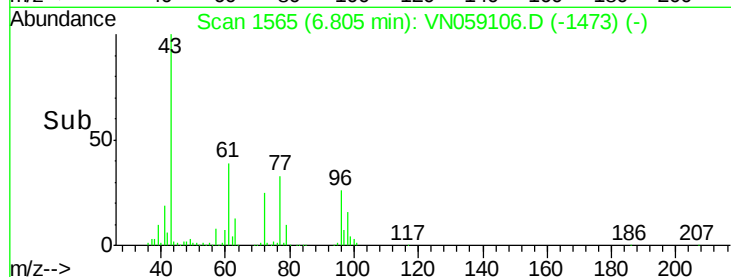
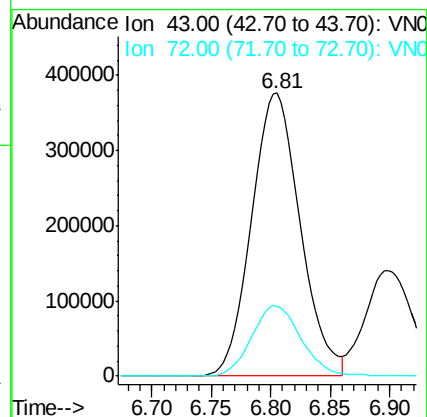
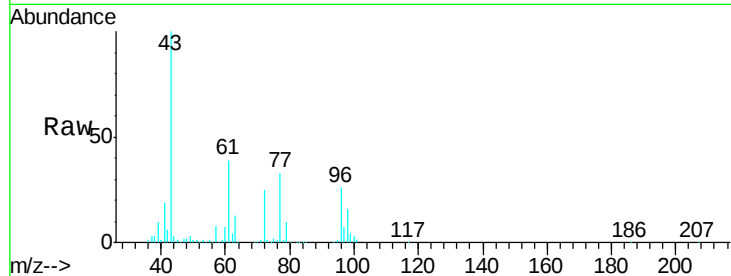
72 24.8 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.385 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059106.D

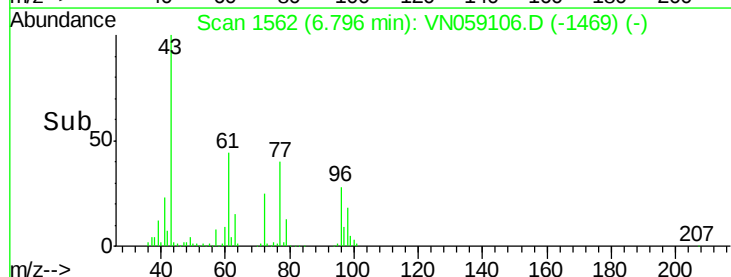
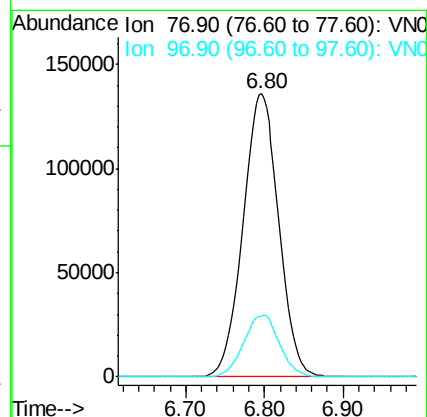
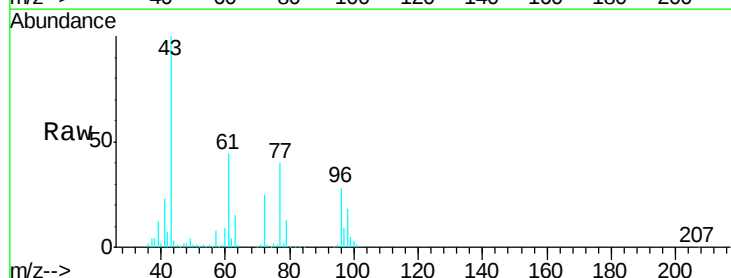
Acq: 6 Nov 2019 15:01

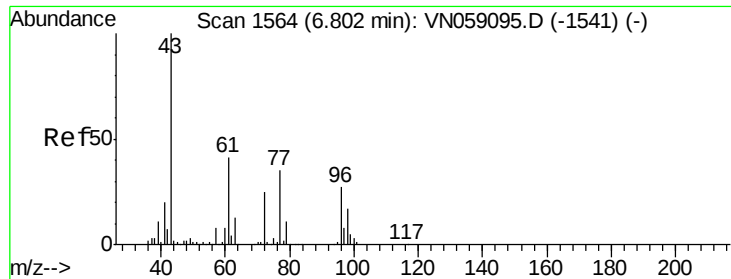
Tgt Ion: 77 Resp: 433610

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.345 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

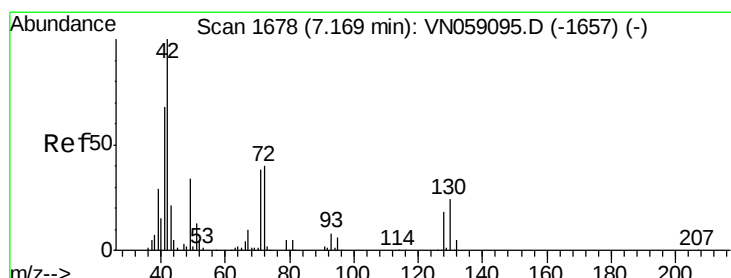
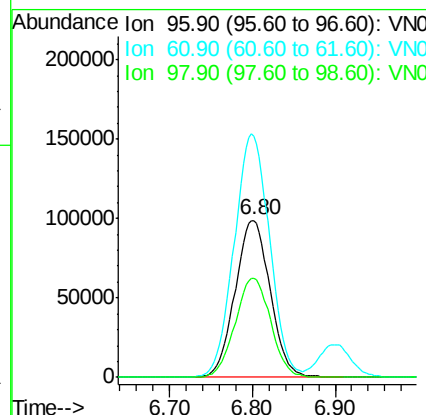
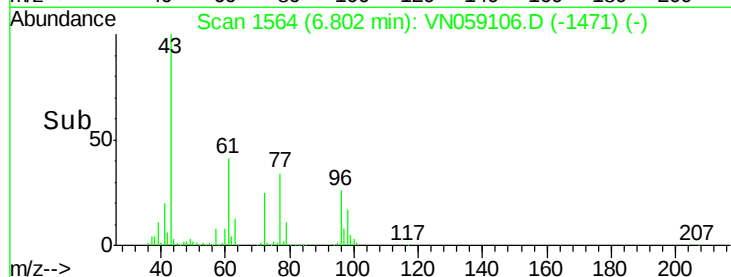
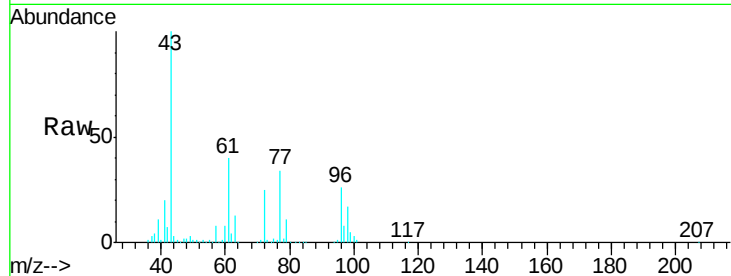
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	290739		
61	156.5		0.0	311.6
98	63.9		0.0	129.8

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#28

Bromochloromethane

Concen: 47.337 ug/l

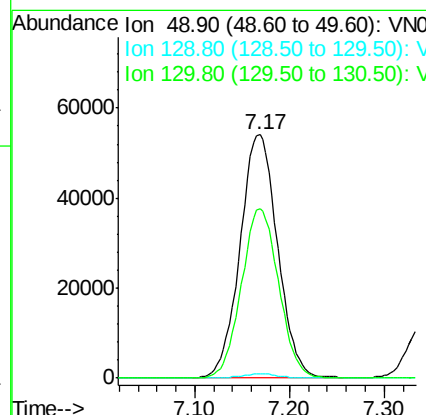
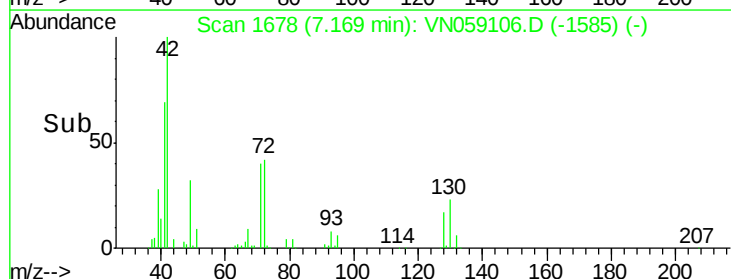
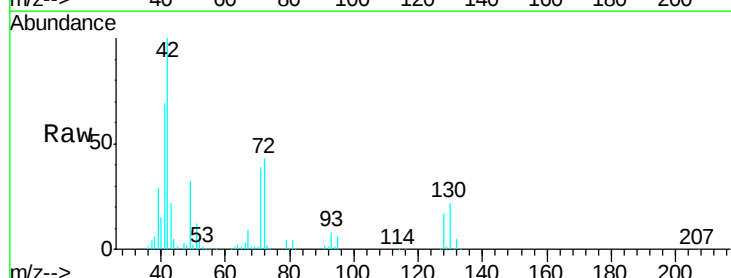
RT: 7.17 min Scan# 1678

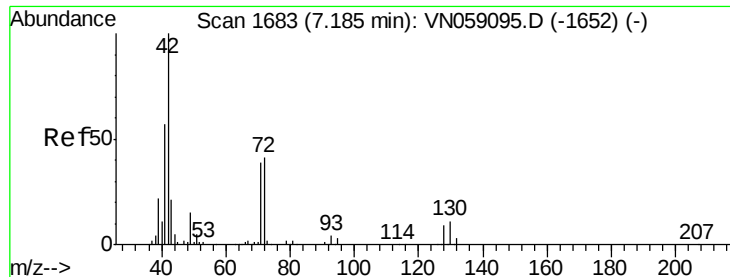
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	149039		
129	1.6		0.0	3.8
130	69.0		55.6	83.4





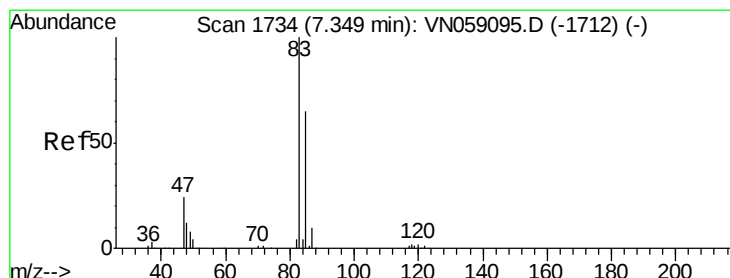
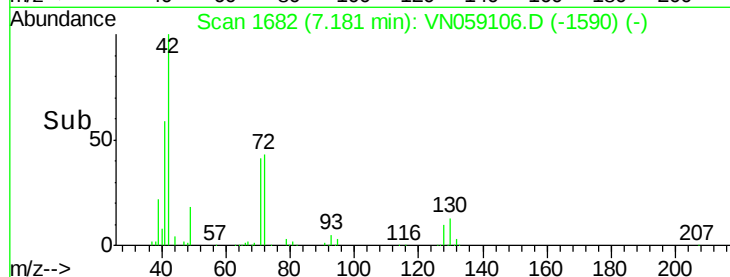
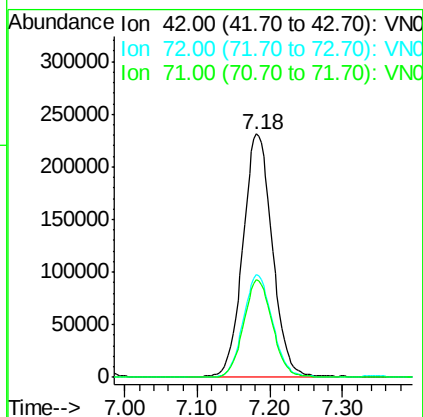
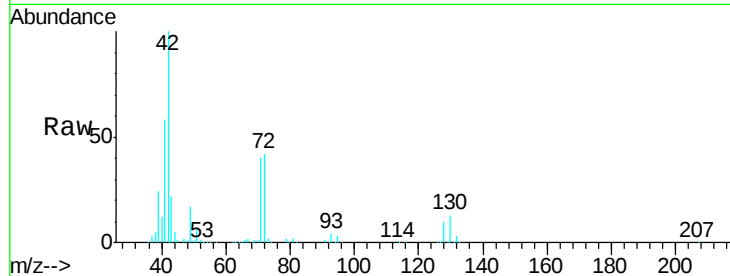
#29
Tetrahydrofuran
Concen: 234.842 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.1	49.7
71	39.4	30.9	46.3

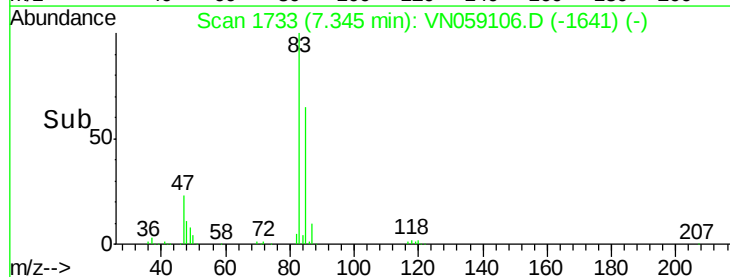
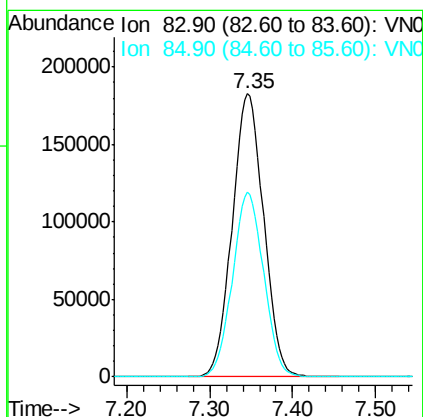
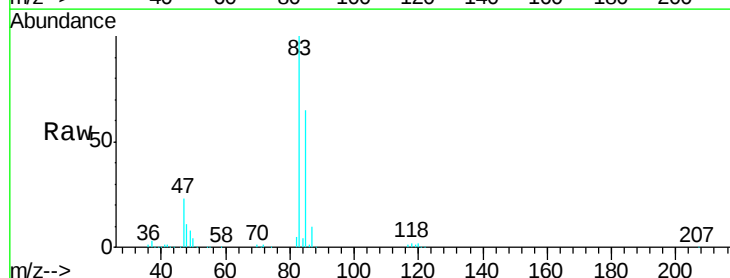
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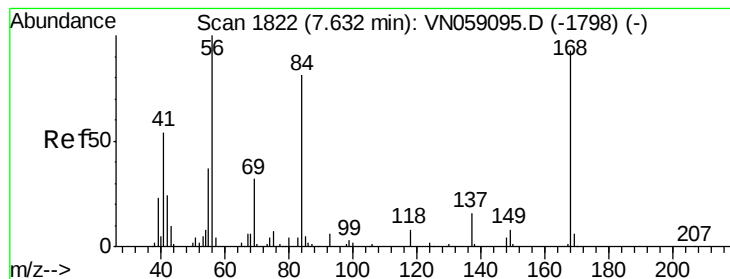
MMDadoda
11/7/2019 9:16:36 AM



#30
Chloroform
Concen: 48.041 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





#31

Cyclohexane

Concen: 46.794 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 463593

Ion Ratio Lower Upper

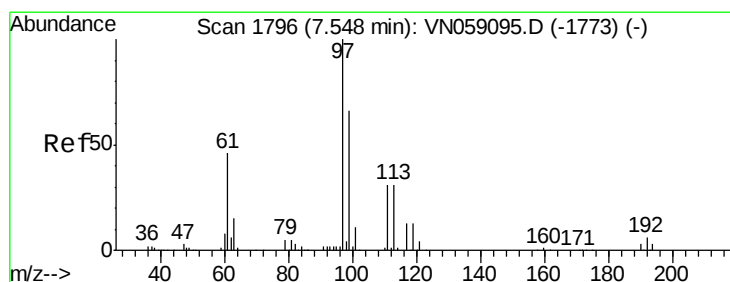
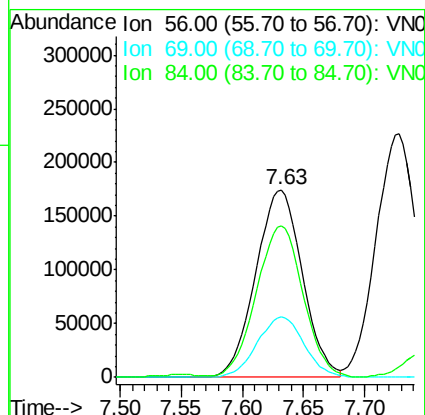
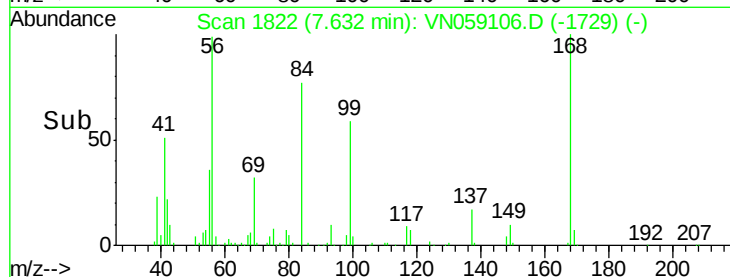
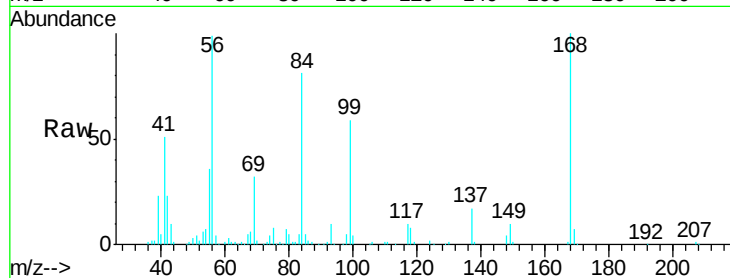
56 100

69 32.4 25.8 38.8

84 79.7 65.0 97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.940 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

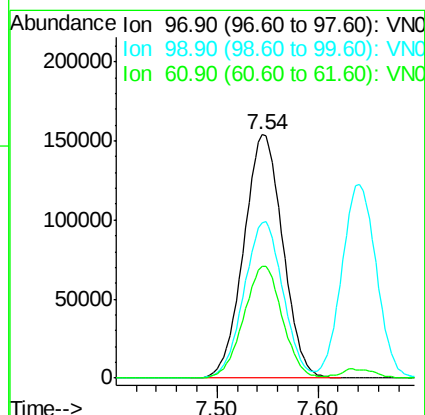
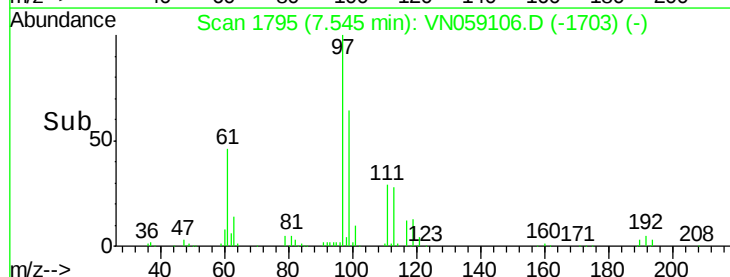
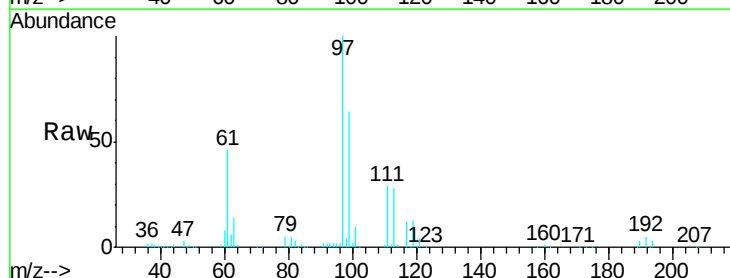
Tgt Ion: 97 Resp: 413060

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 47.977 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 305307

Ion Ratio Lower Upper

65 100

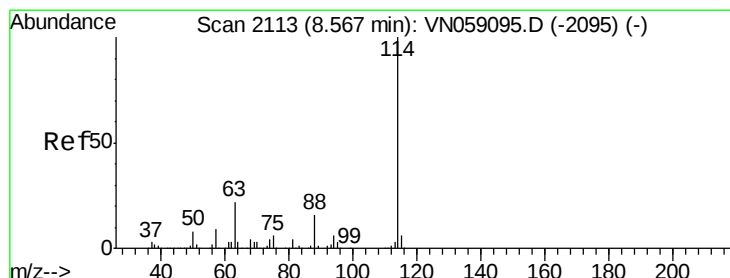
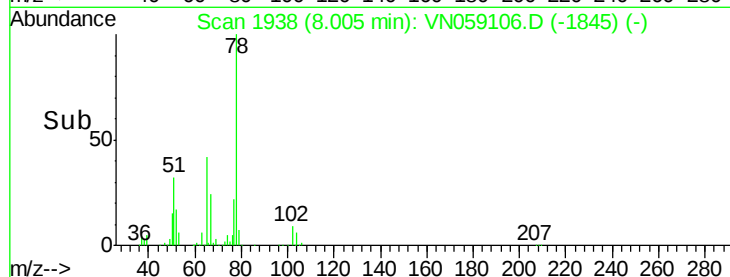
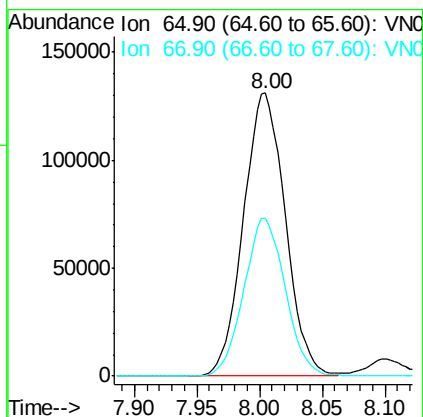
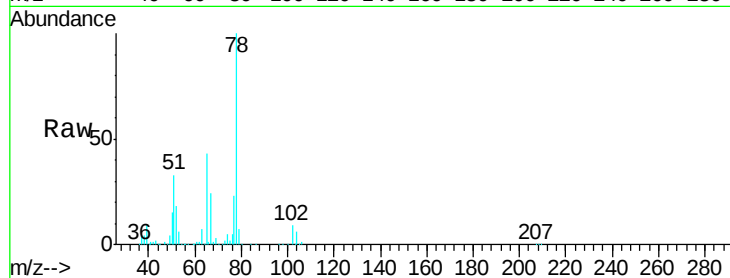
67 55.2 0.0 107.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

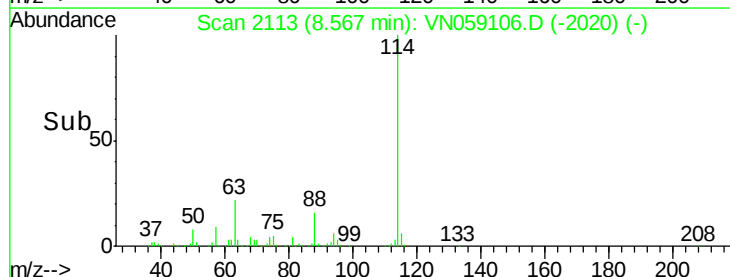
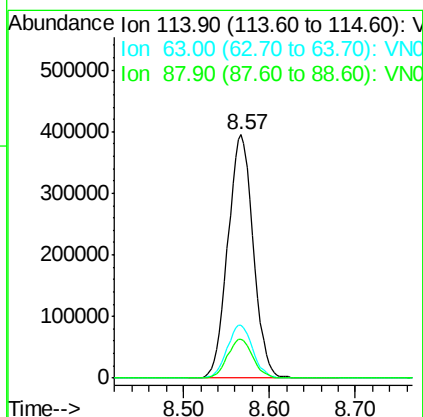
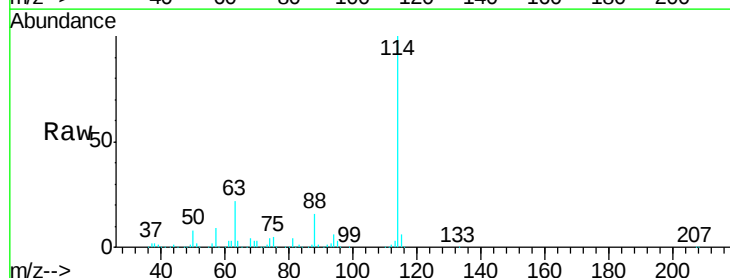
Tgt Ion: 114 Resp: 808833

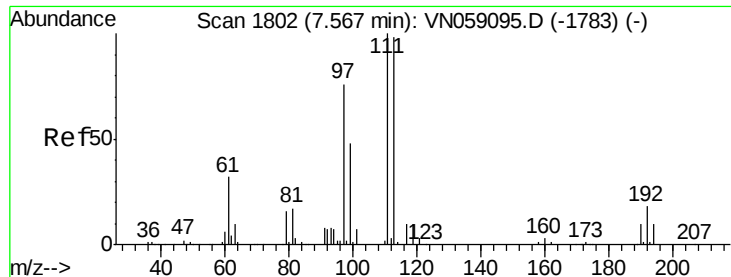
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.0 0.0 32.2





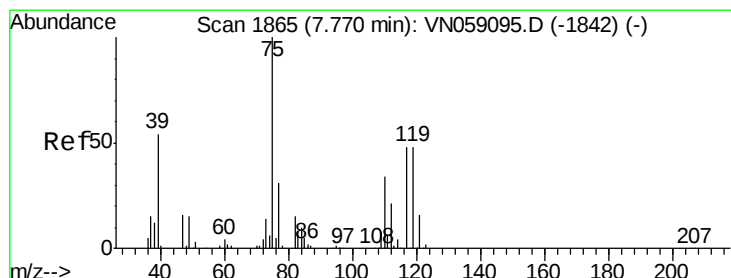
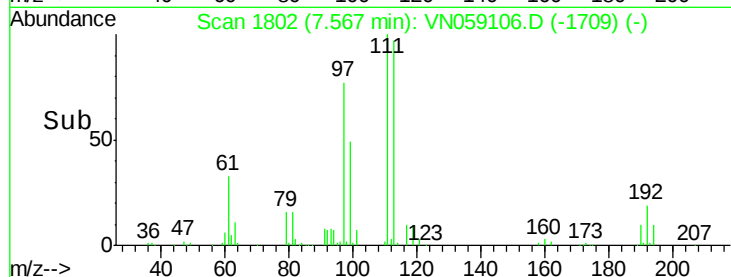
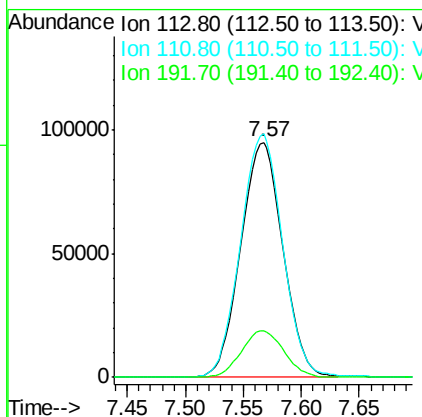
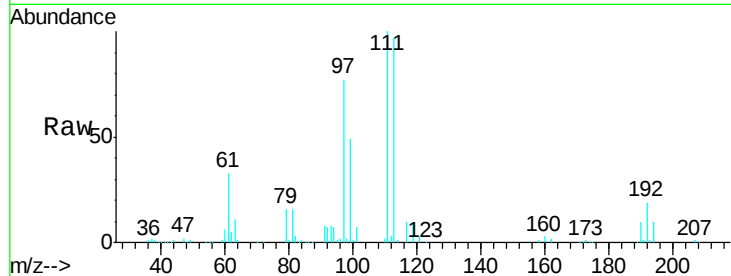
#35
Dibromofluoromethane
Concen: 49.709 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	240070		
111	103.6	82.8	124.2	
192	20.2	16.1	24.1	

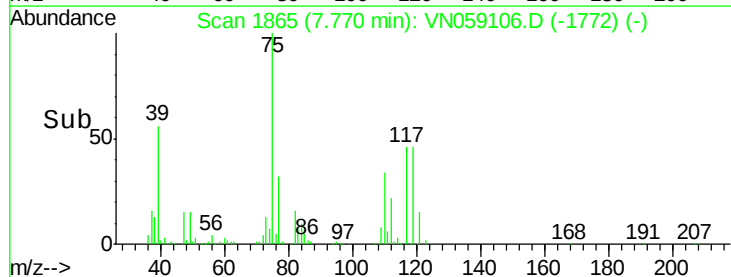
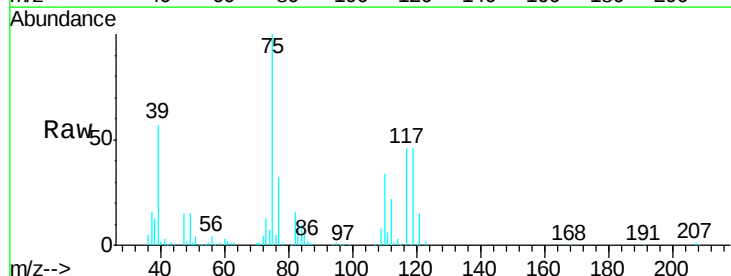
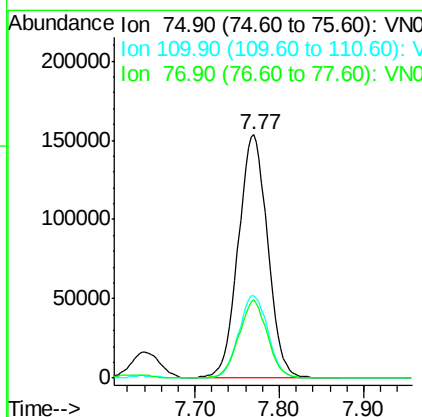
Manual Integrations
APPROVED

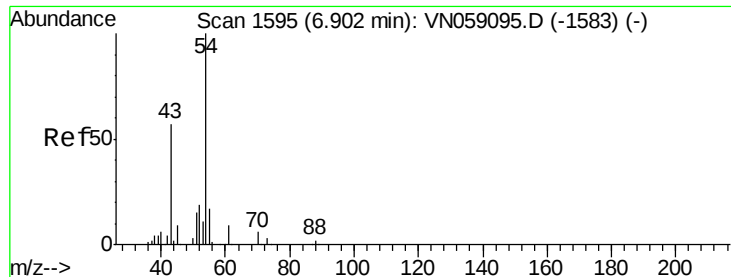
MMDadoda
11/7/2019 9:16:36 AM



#36
1,1-Dichloropropene
Concen: 49.138 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	371497		
110	33.9	17.1	51.2	
77	31.4	24.8	37.2	





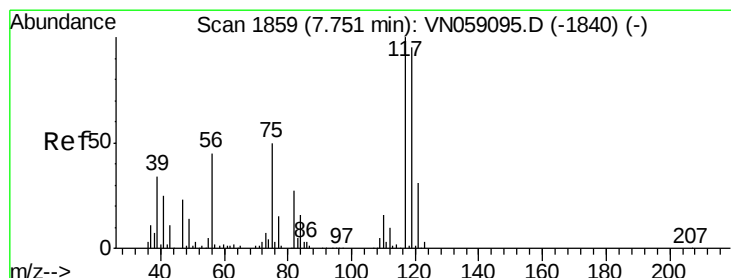
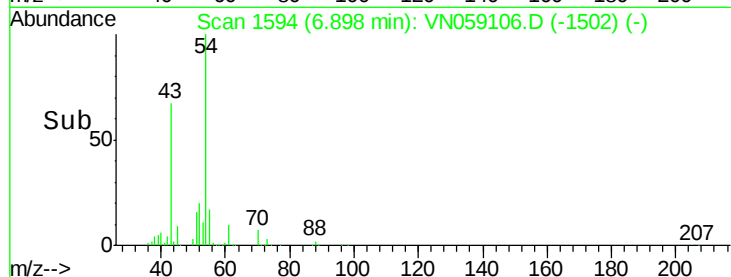
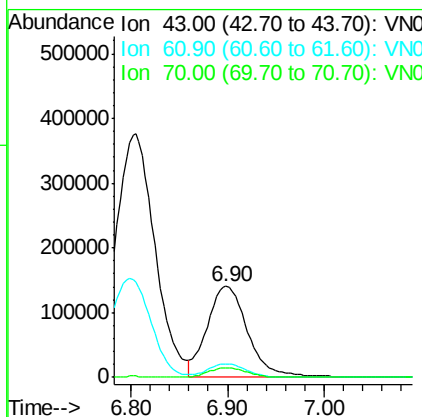
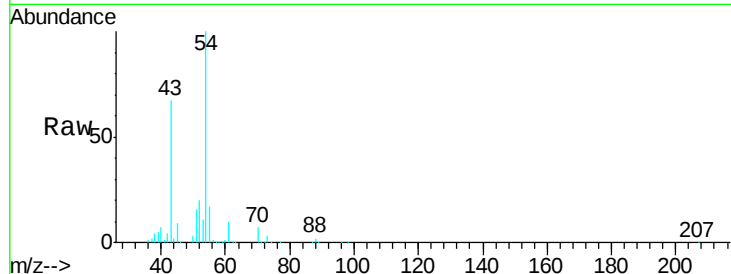
#37
Ethyl Acetate
Concen: 47.816 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	10.1	7.8	11.8

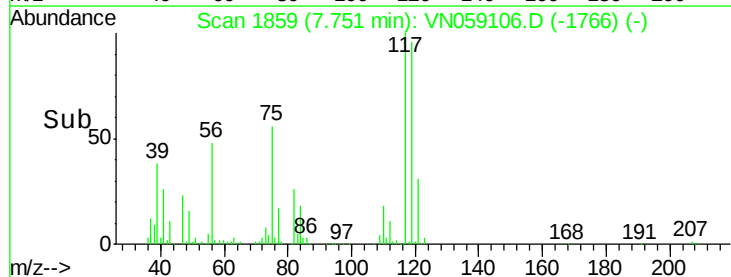
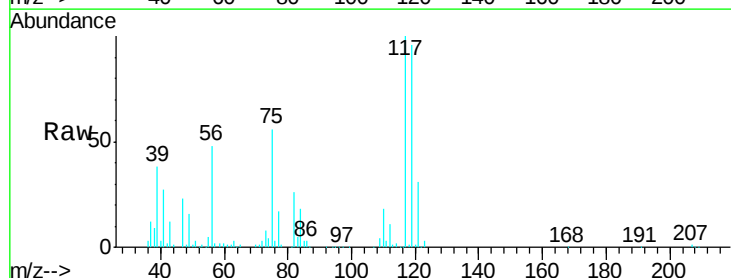
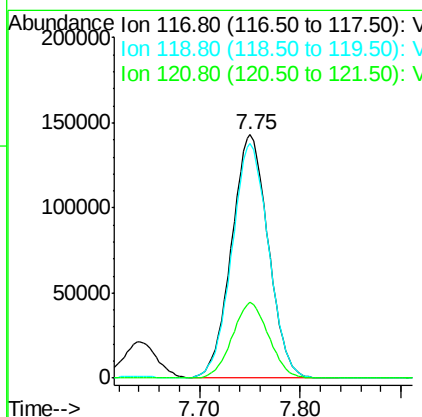
Manual Integrations
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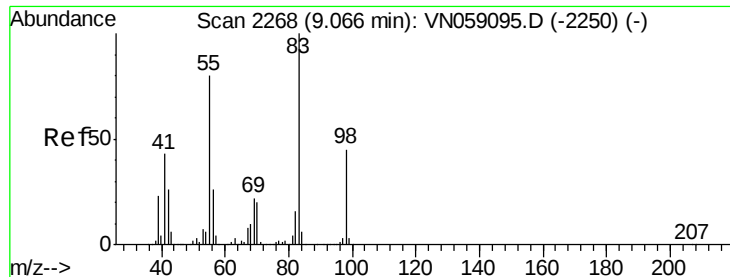
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#38
Carbon Tetrachloride
Concen: 47.996 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.6	113.4
121	31.0	24.6	36.8





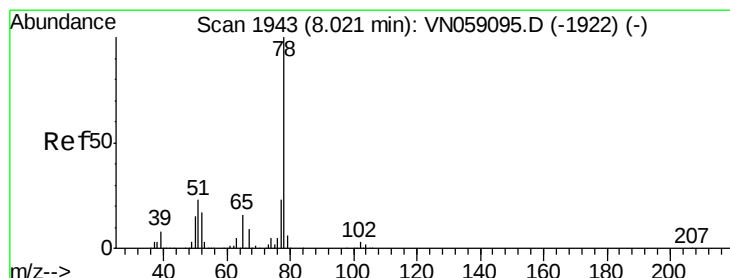
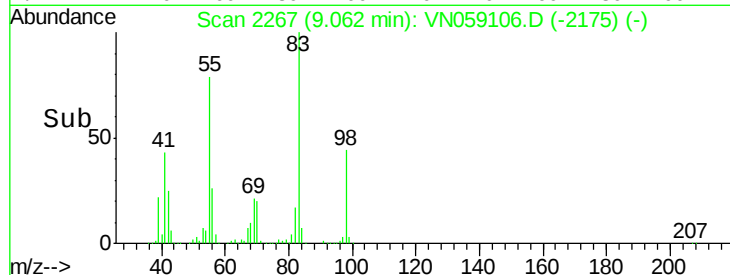
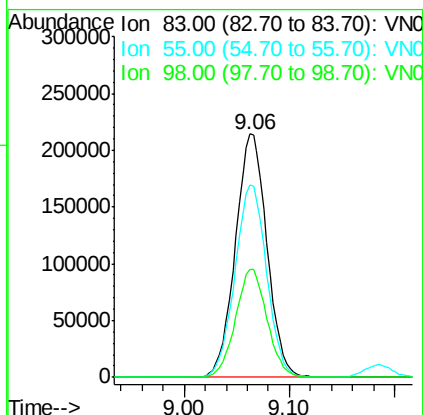
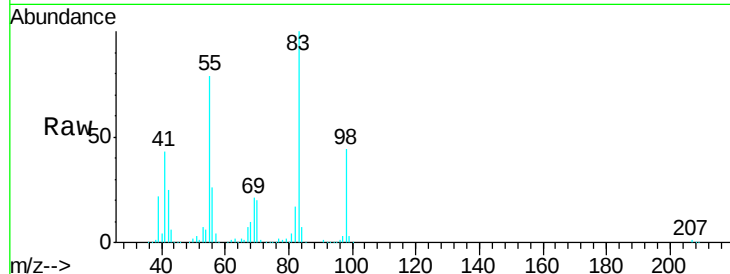
#39
Methylcyclohexane
Concen: 50.728 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	445101		
55	79.0	63.9	95.9	
98	44.5	35.6	53.4	

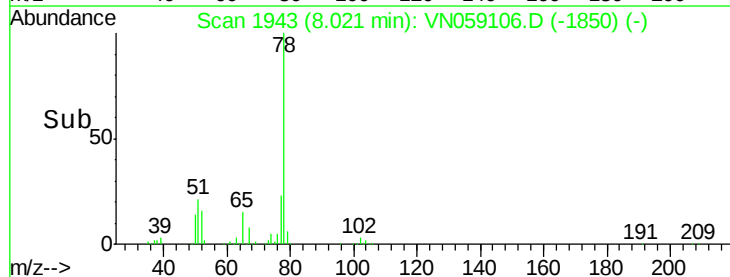
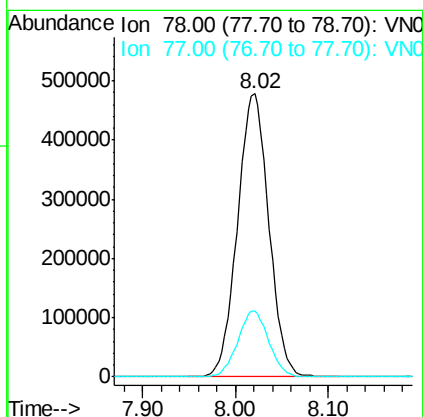
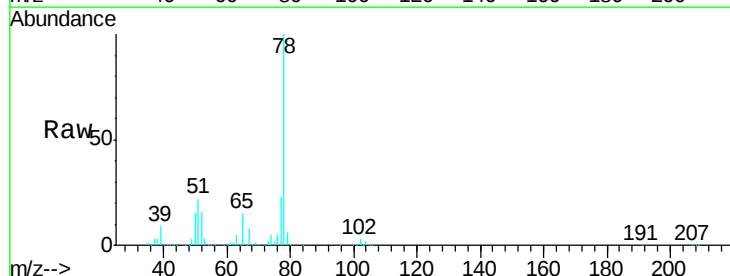
Manual Integrations
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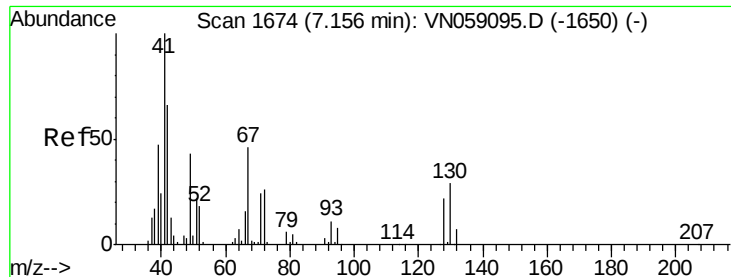
MMDadoda
11/7/2019 9:16:36 AM



#40
Benzene
Concen: 49.115 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1118170		
77	23.2	18.8	28.2	





#41

Methacrylonitrile

Concen: 51.764 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

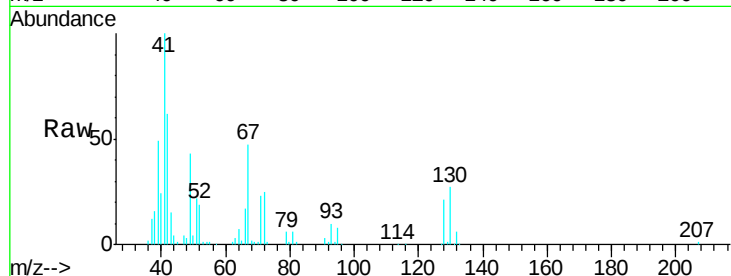
ClientSampleId :

VSTDCCC050EC

Tgt 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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11/7/2019 9:16:36 AM

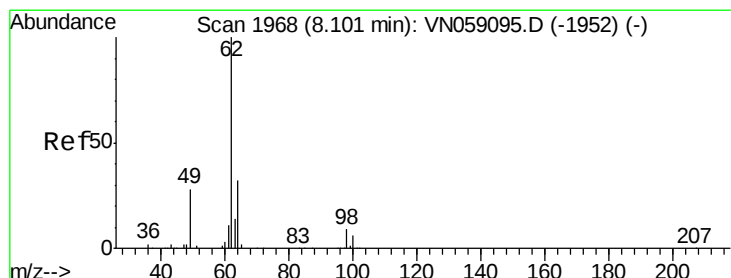
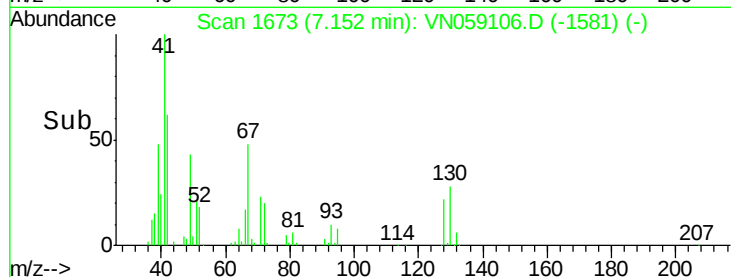
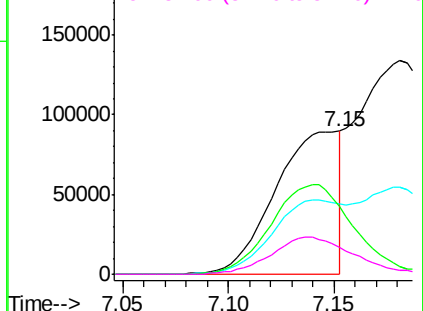


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

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

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

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



#42

1,2-Dichloroethane

Concen: 48.495 ug/l

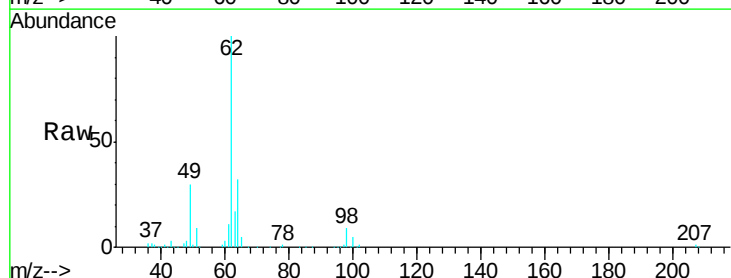
RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059106.D

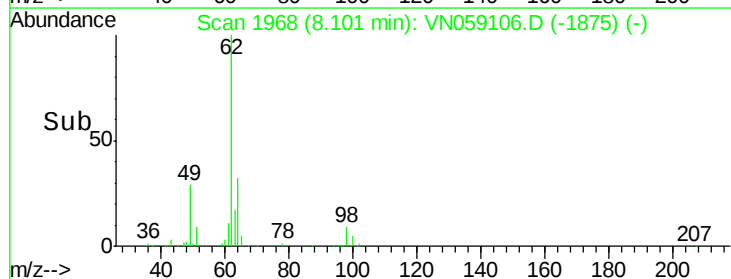
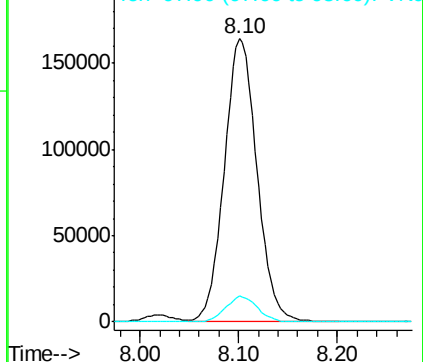
Acq: 6 Nov 2019 15:01

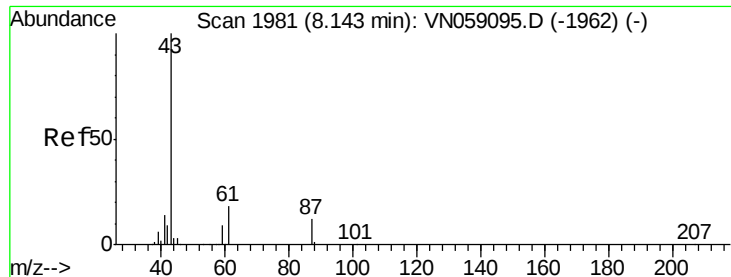
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

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





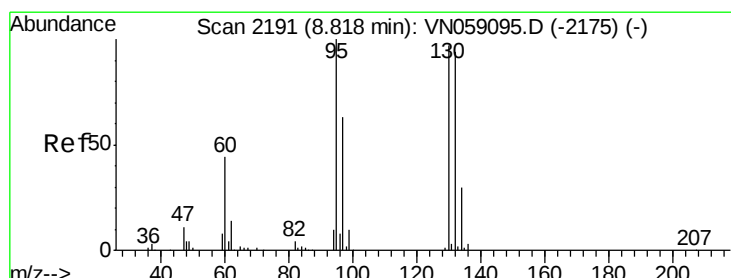
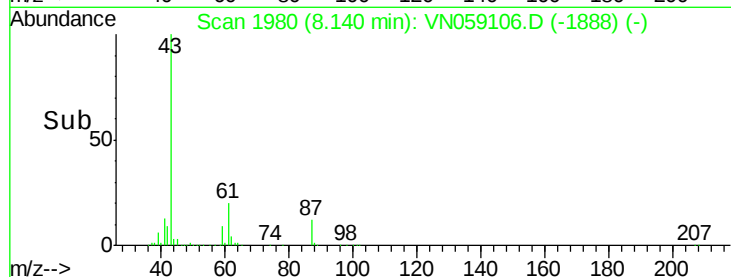
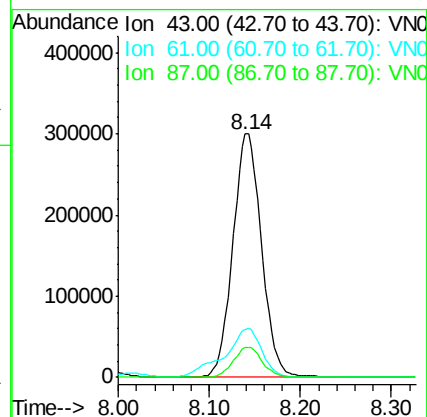
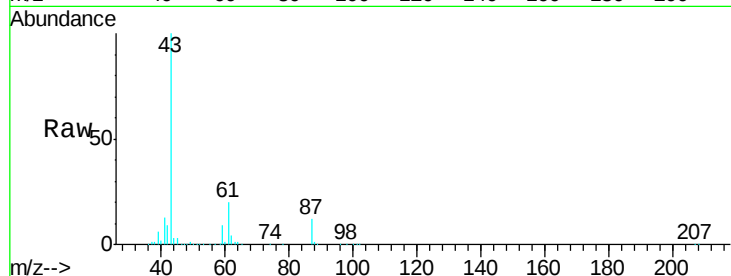
#43
Isopropyl Acetate
Concen: 48.760 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	12.5	9.8	14.6

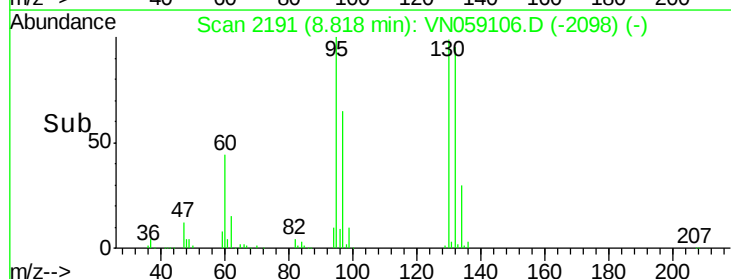
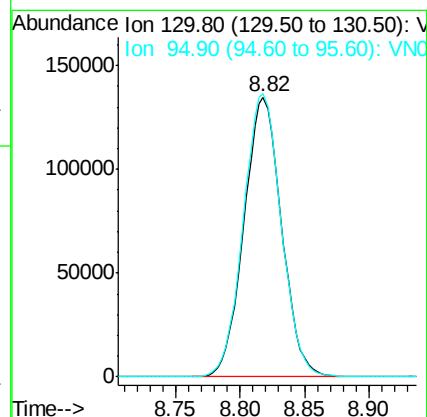
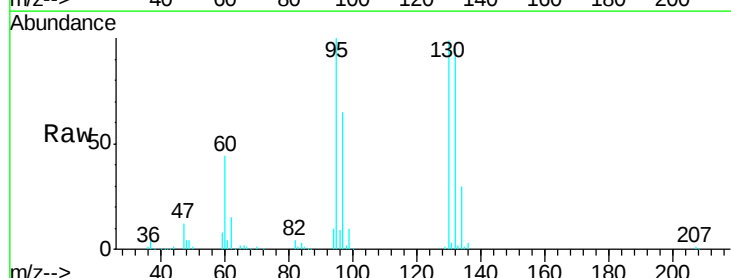
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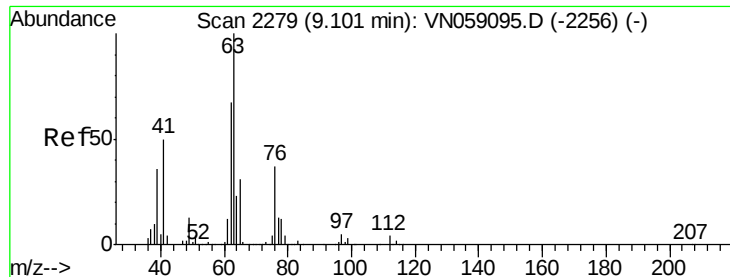
MMDadoda
11/7/2019 9:16:36 AM



#44
Trichloroethene
Concen: 48.838 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	206.4





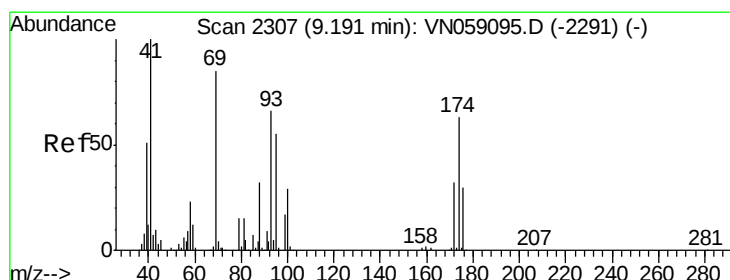
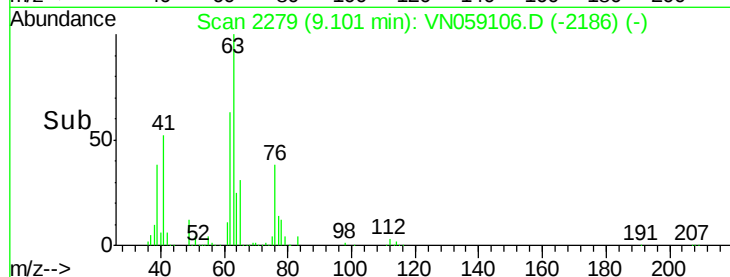
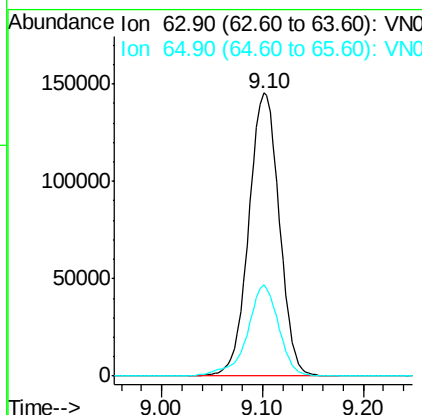
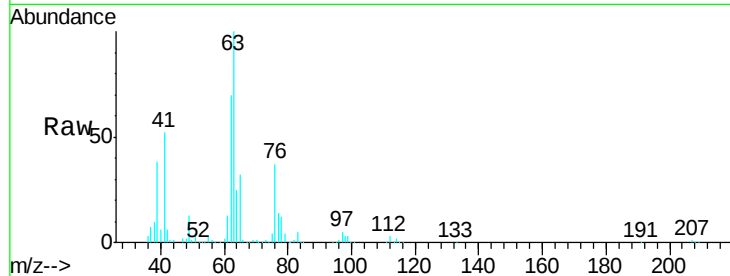
#45
 1,2-Dichloropropane
 Concen: 49.209 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 304296
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 37.0

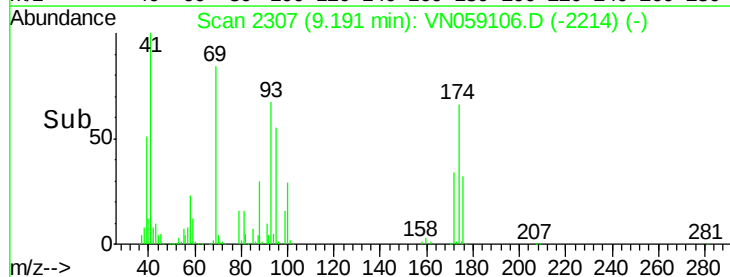
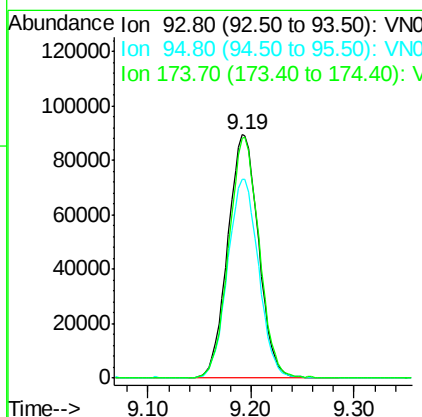
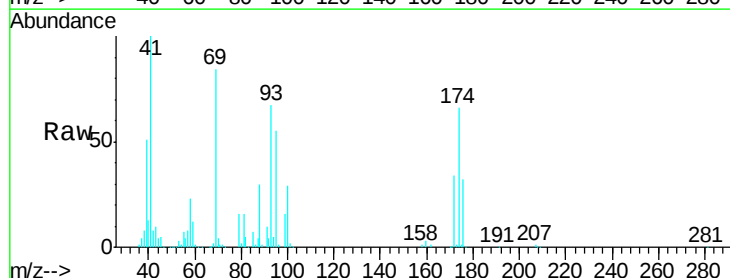
Manual Integrations
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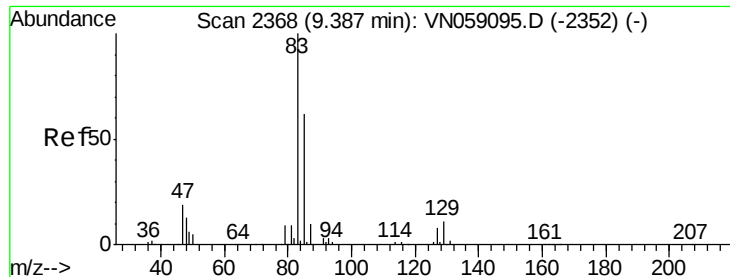
MMDadoda
 11/7/2019 9:16:36 AM



#46
 Dibromomethane
 Concen: 48.295 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion: 93 Resp: 186101
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 97.1 78.2 117.2





#47

Bromodichloromethane

Concen: 50.208 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

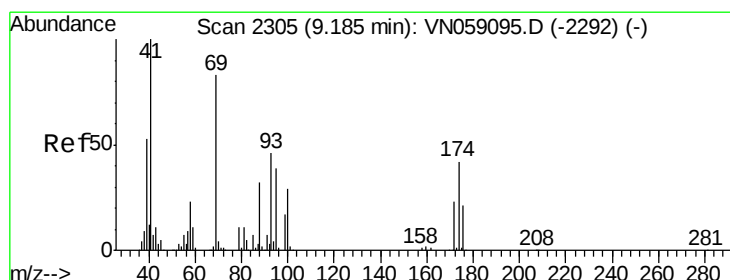
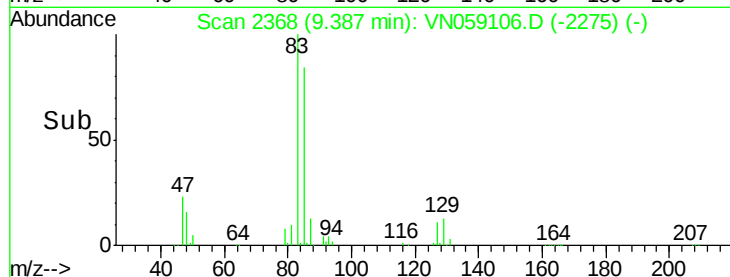
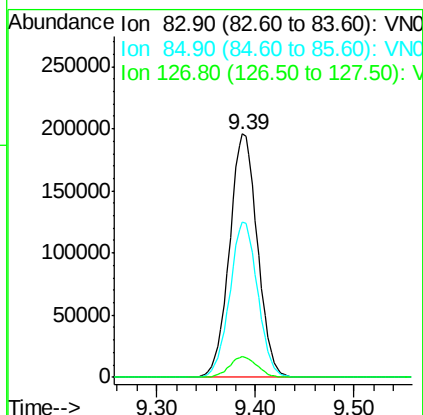
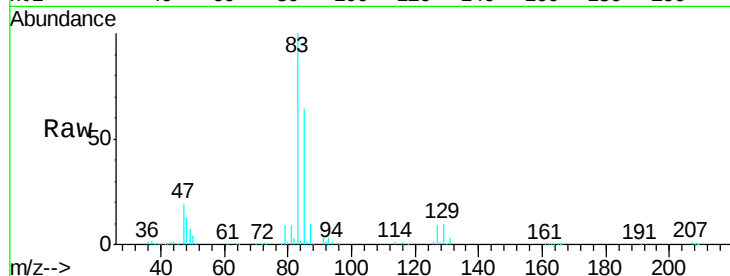
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	386333
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.7	74.5
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.023 ug/l

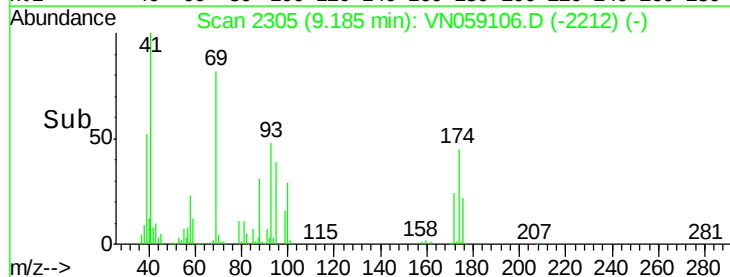
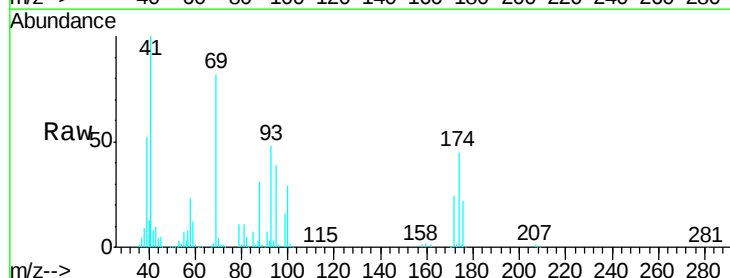
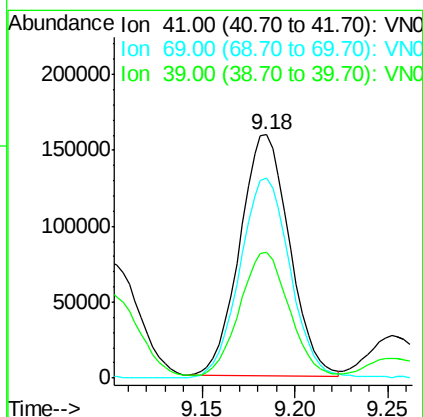
RT: 9.18 min Scan# 2305

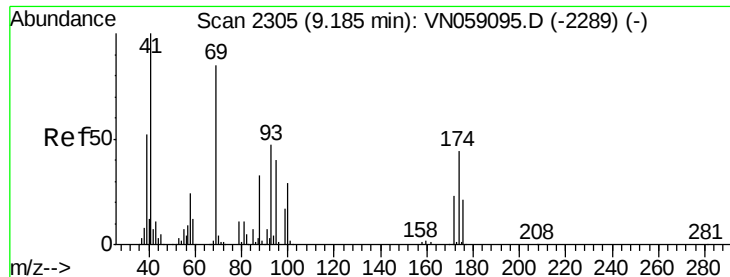
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	41	Resp:	294019
Ion Ratio	Lower	Upper	
41	100		
69	84.6	67.3	100.9
39	52.8	43.3	64.9





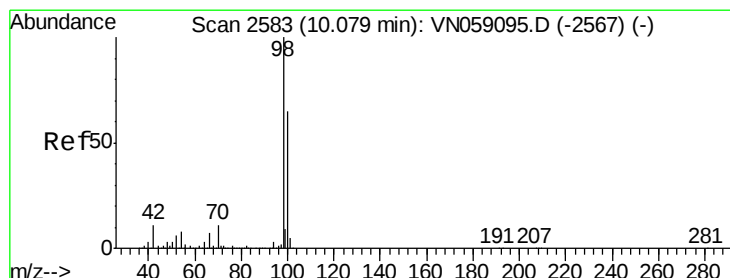
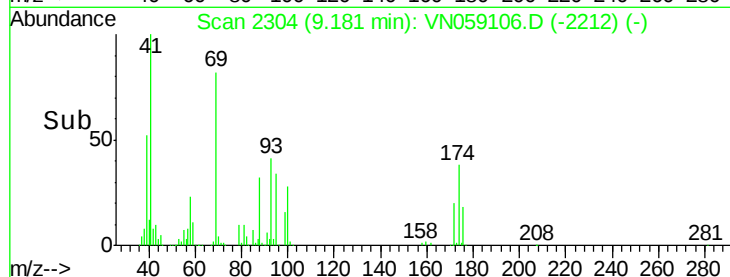
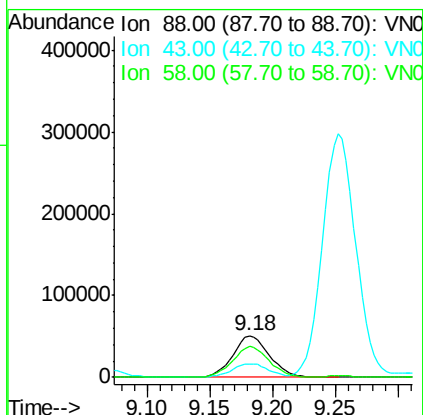
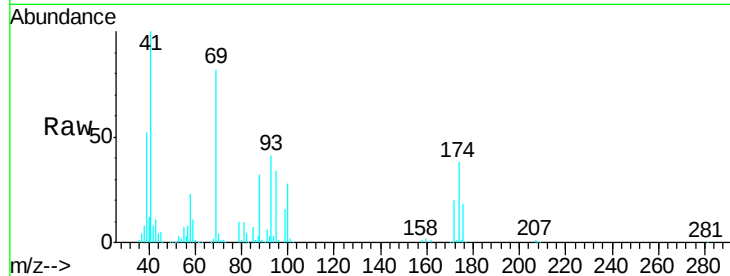
#49
1,4-Dioxane
Concen: 965.146 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	73.9	60.6	90.8

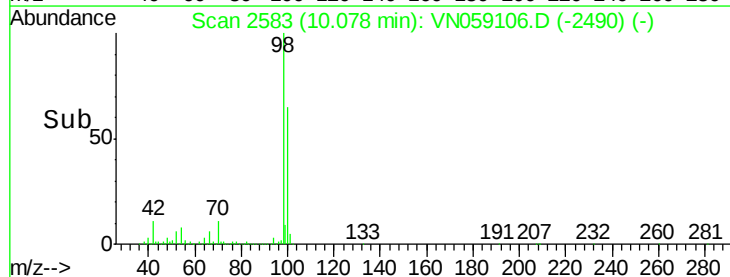
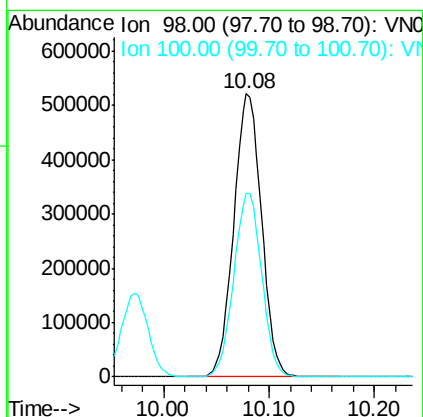
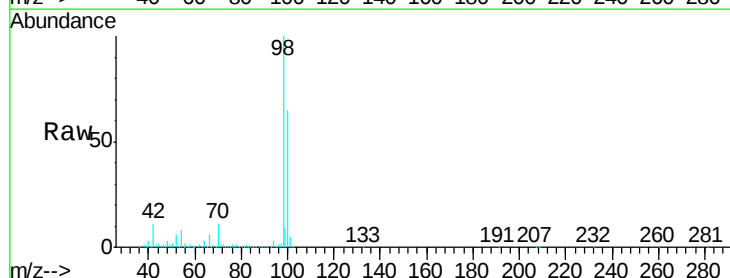
Manual Integrations
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#50
Toluene-d8
Concen: 49.954 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 262.684 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1992947

Ion Ratio Lower Upper

43 100

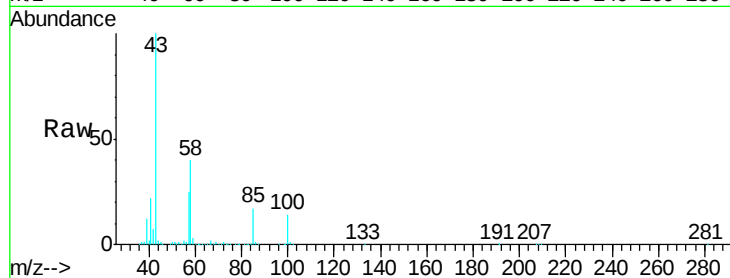
58 39.6 31.5 47.3

Manual Integrations

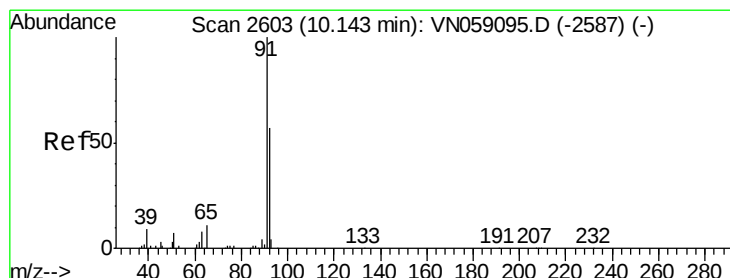
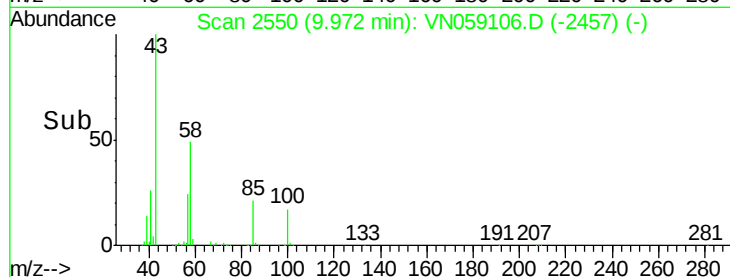
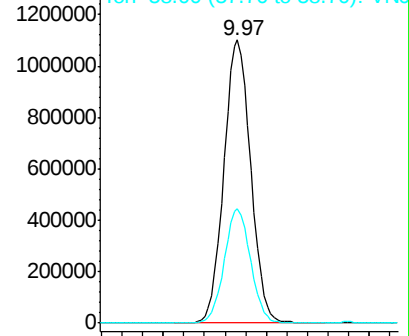
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Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 49.904 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059106.D

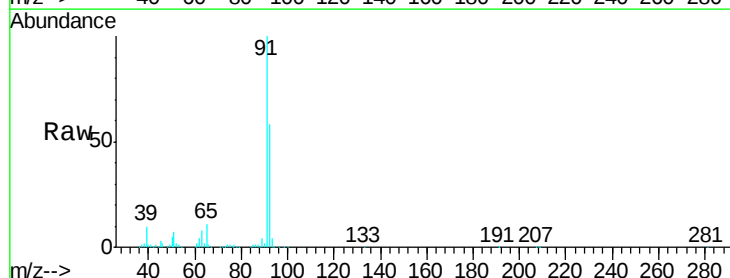
Acq: 6 Nov 2019 15:01

Tgt Ion: 92 Resp: 680972

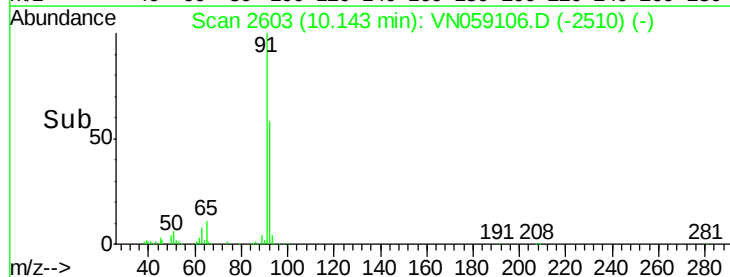
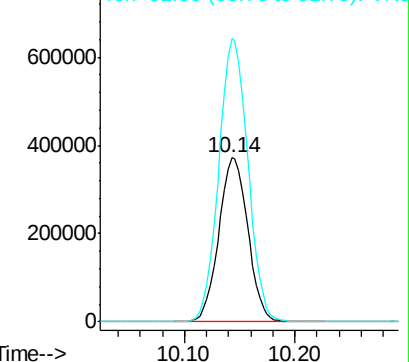
Ion Ratio Lower Upper

92 100

91 172.9 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)





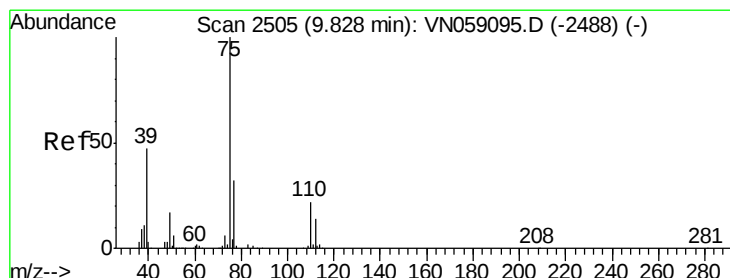
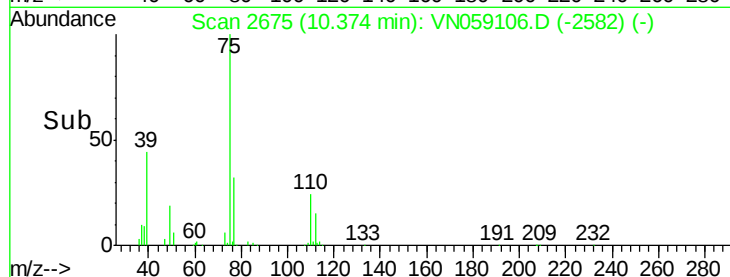
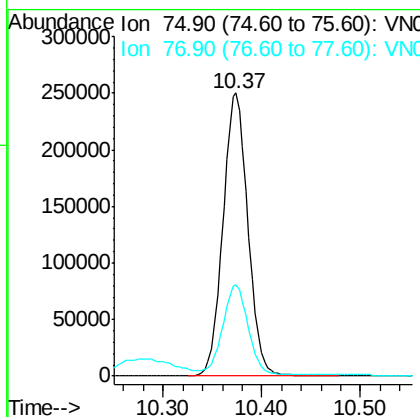
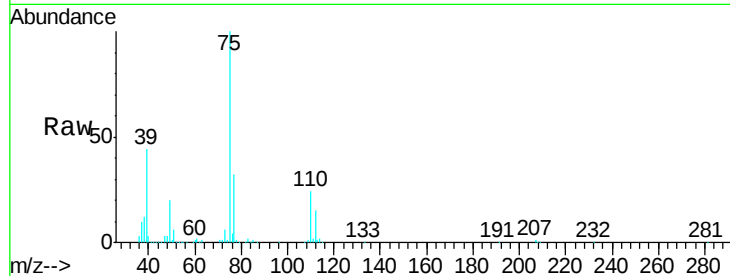
#53
t-1,3-Dichloropropene
Concen: 49.679 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 441634
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

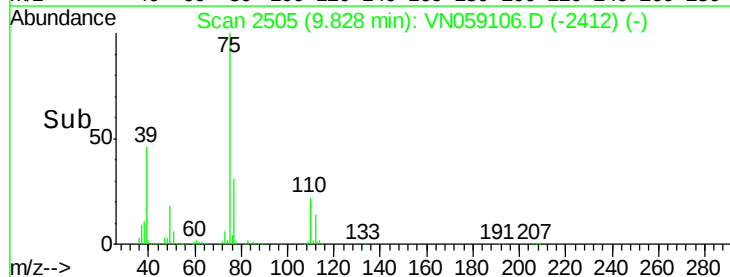
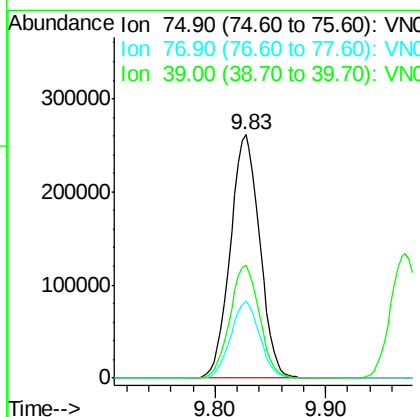
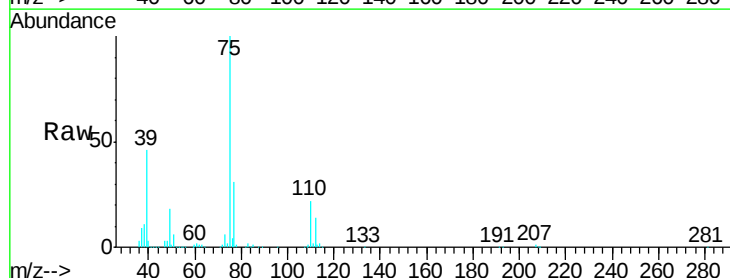
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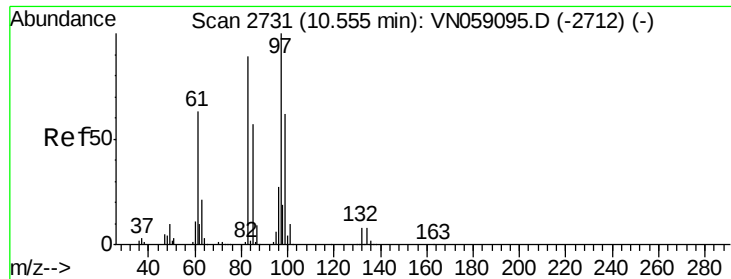
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#54
cis-1,3-Dichloropropene
Concen: 50.609 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 75 Resp: 483957
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
39 46.3 37.3 55.9





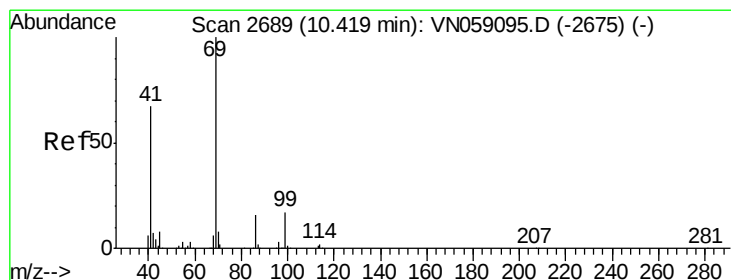
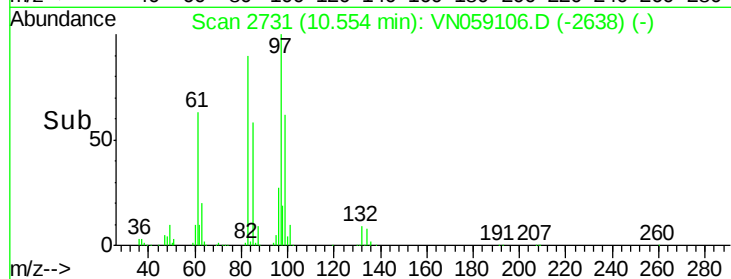
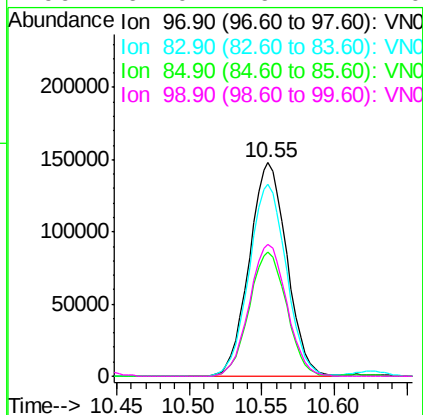
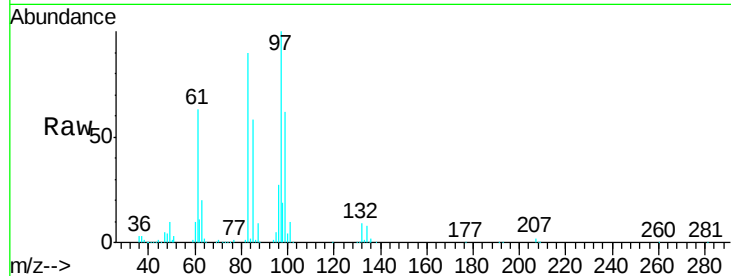
#55
 1,1,2-Trichloroethane
 Concen: 48.400 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.0	106.4
85	58.4	45.8	68.8
99	62.0	49.4	74.0

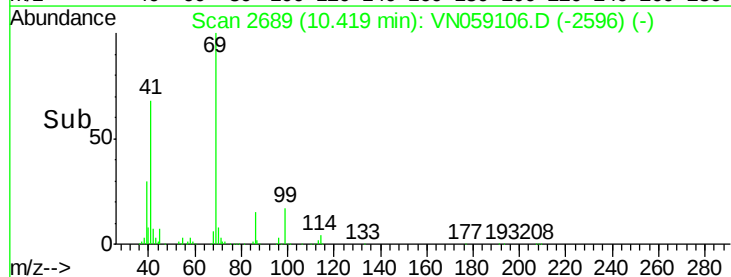
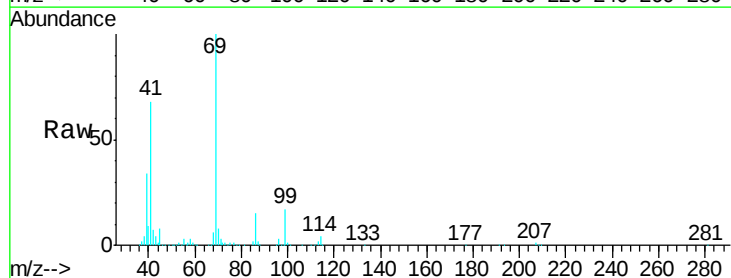
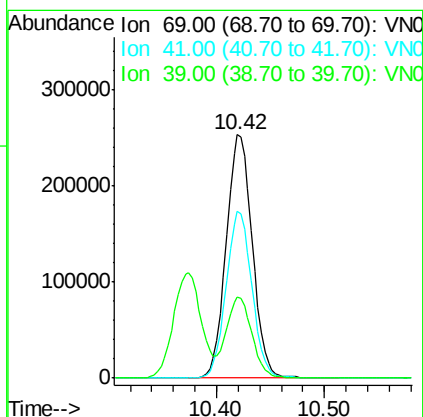
Manual Integrations
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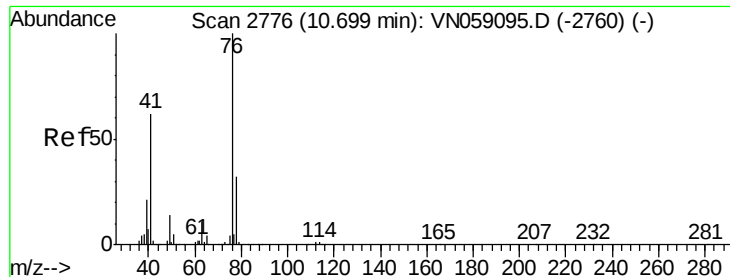
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#56
 Ethyl methacrylate
 Concen: 46.715 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.6	80.4
39	32.0	26.2	39.4





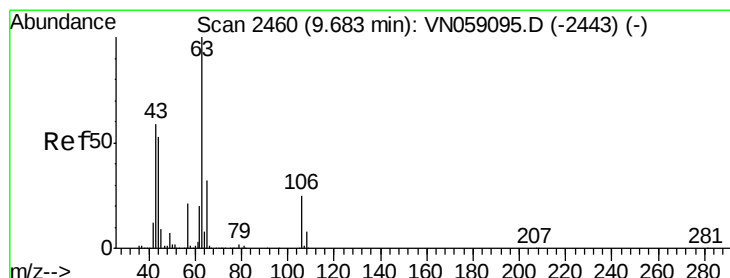
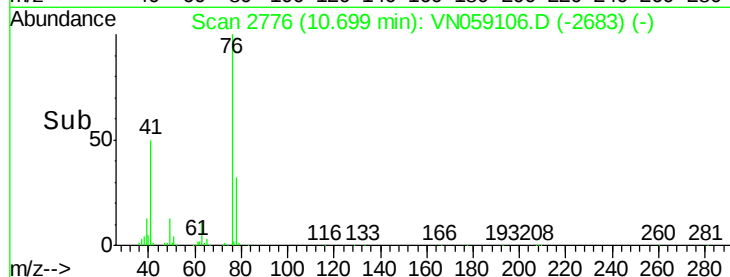
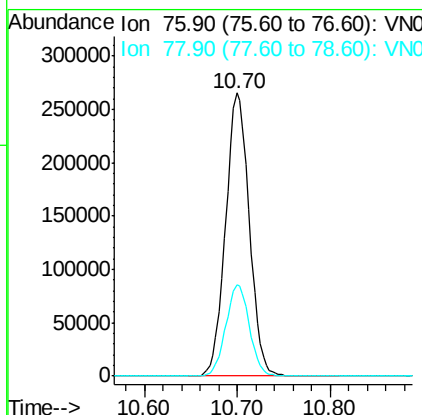
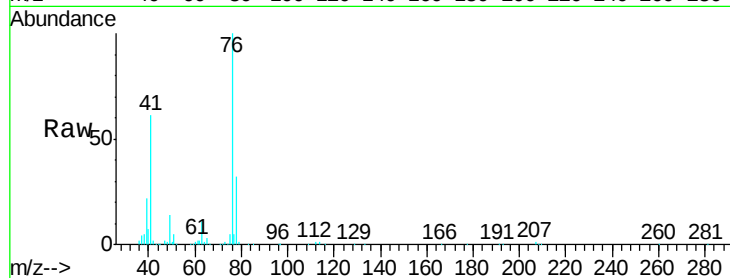
#57
 1,3-Dichloropropane
 Concen: 49.379 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 469337
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

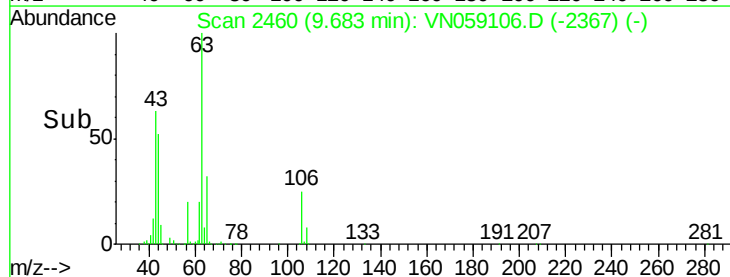
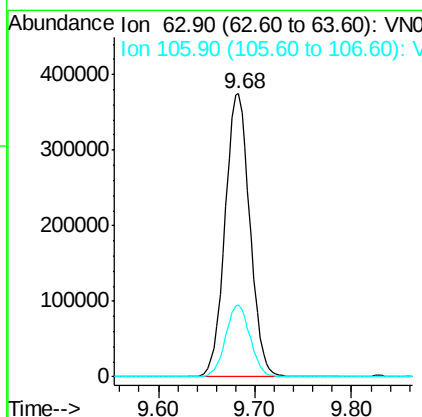
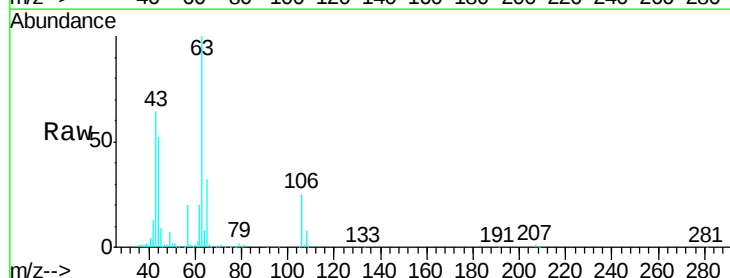
Manual Integrations
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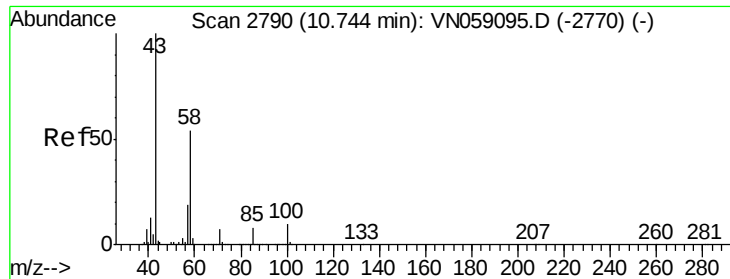
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#58
 2-Chloroethyl Vinyl ether
 Concen: 217.067 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion: 63 Resp: 667134
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.2 30.2





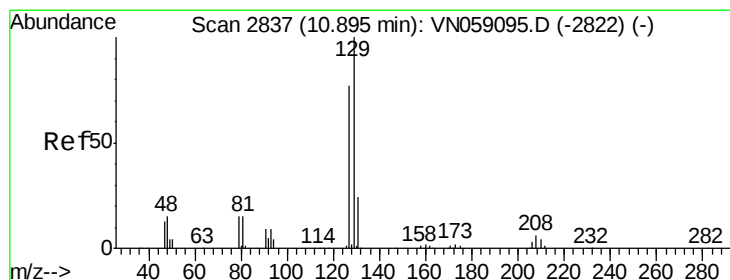
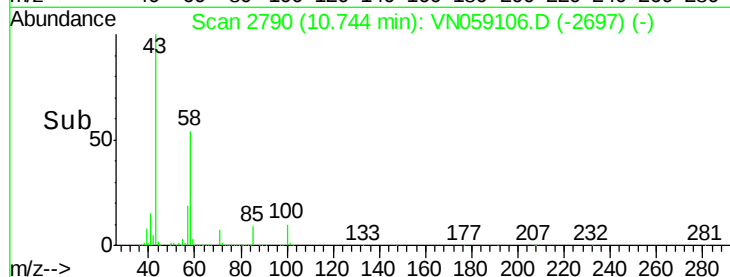
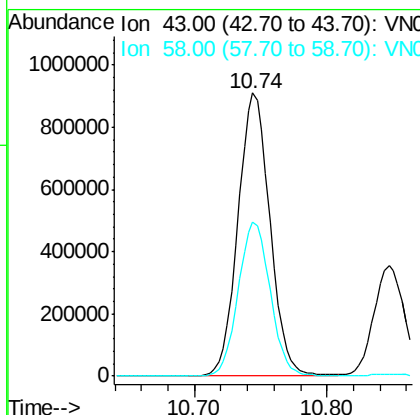
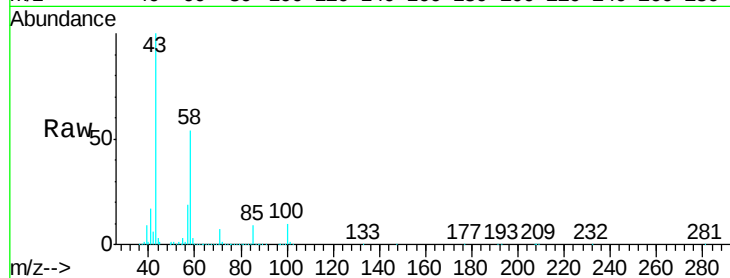
#59
2-Hexanone
Concen: 261.274 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1521470
Ion Ratio Lower Upper
43 100
58 54.8 27.3 81.8

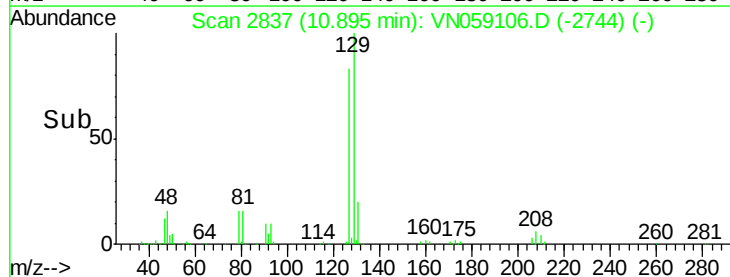
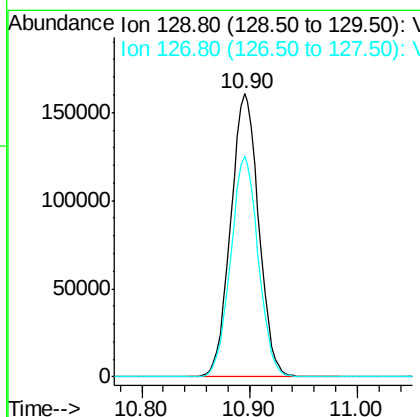
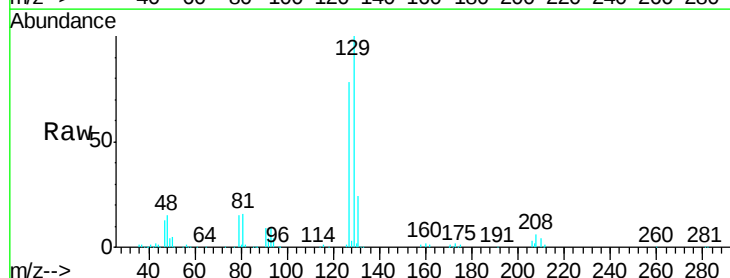
Manual Integrations
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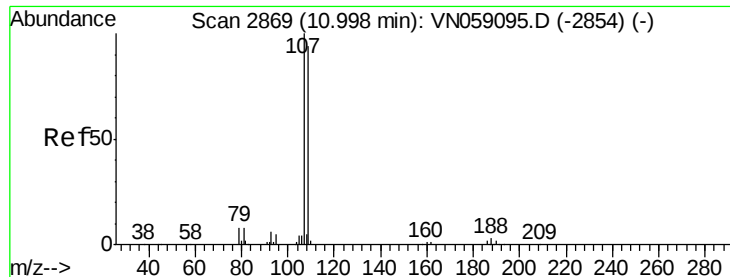
MMDadoda
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#60
Dibromochloromethane
Concen: 49.837 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 129 Resp: 290989
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.461 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 276511

Ion Ratio Lower Upper

107 100

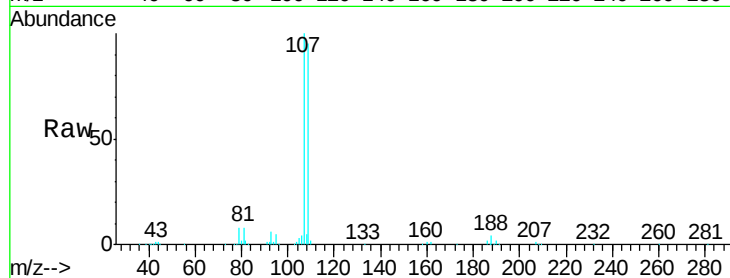
109 94.2 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

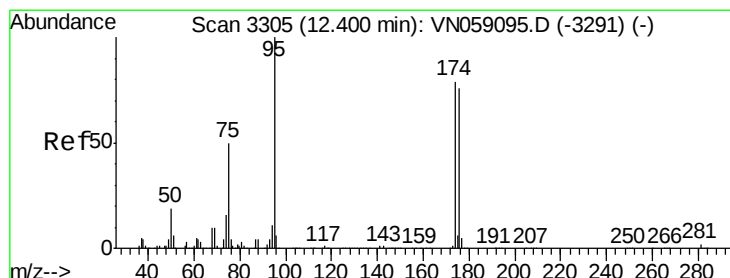
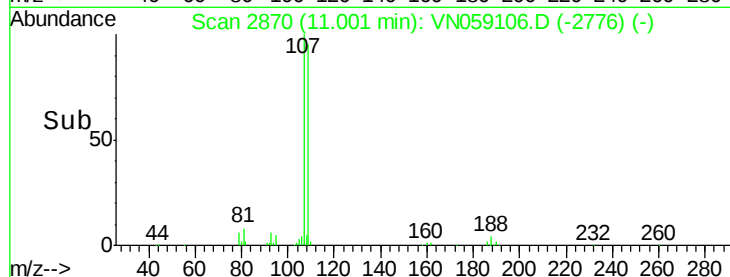
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.159 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

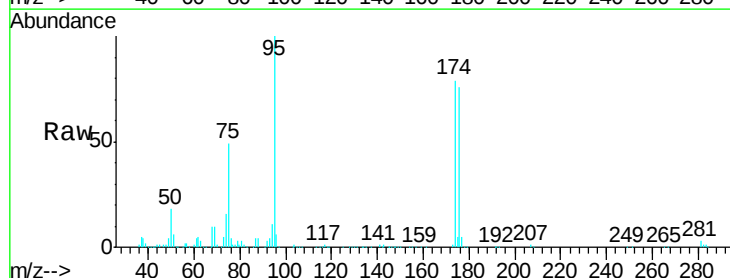
Tgt Ion: 95 Resp: 344039

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.2

176 76.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

250000

200000

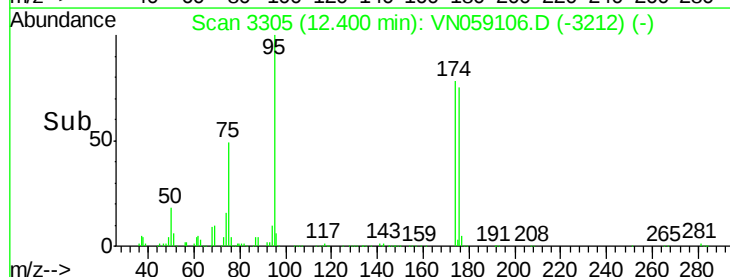
150000

100000

50000

0

Time-->





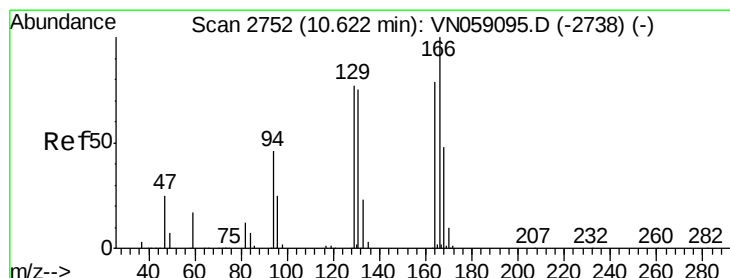
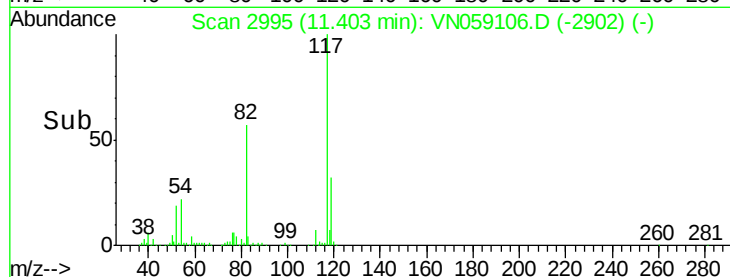
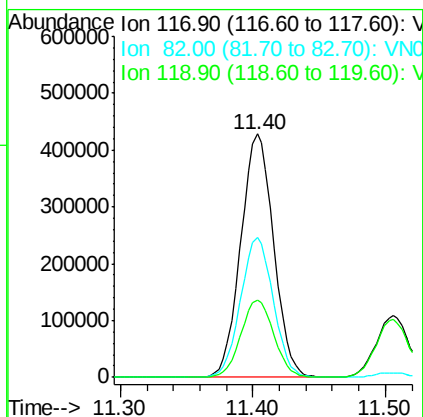
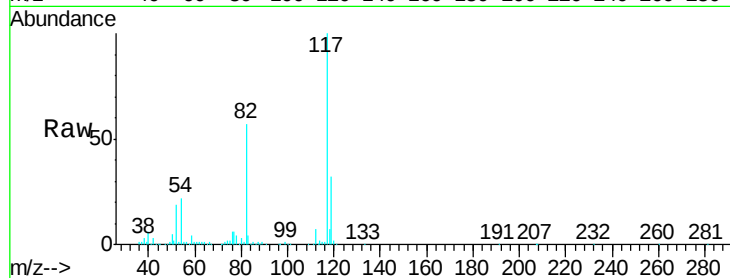
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	736728		
82	57.4	45.8	68.8	
119	31.9	25.8	38.6	

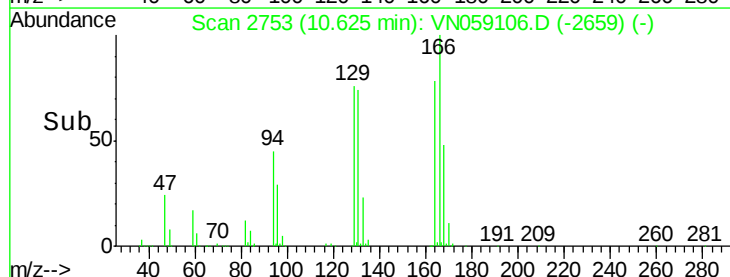
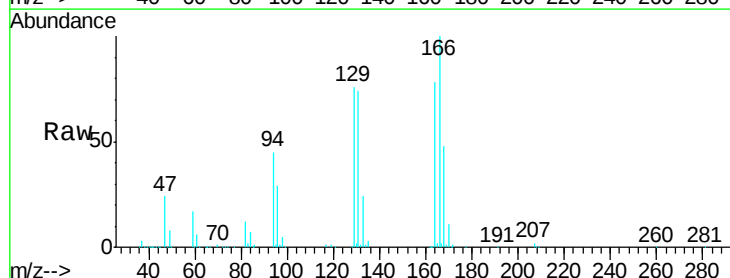
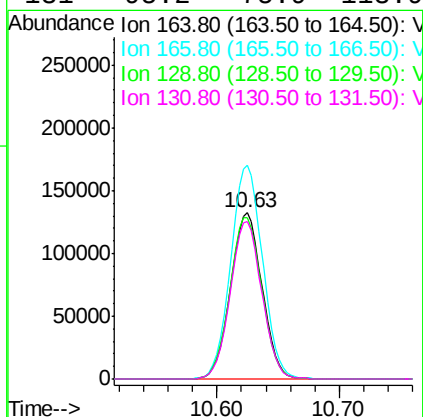
Manual Integrations
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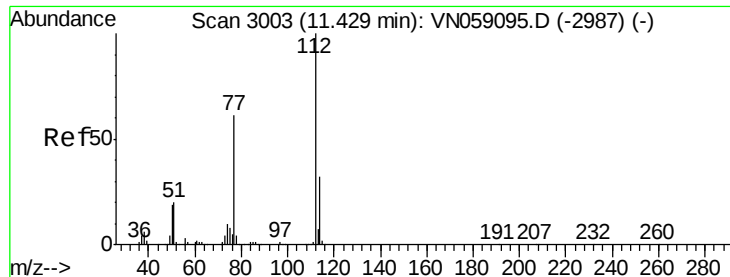
MMDadoda
11/7/2019 9:16:36 AM



#64
Tetrachloroethene
Concen: 47.499 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237951		
166	128.6	101.5	152.3	
129	97.2	78.3	117.5	
131	95.2	75.9	113.9	





#65

Chlorobenzene

Concen: 49.570 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 711916

Ion Ratio Lower Upper

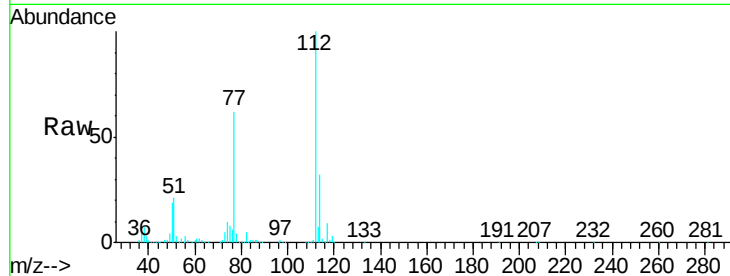
112 100

114 32.2 25.2 37.8

Manual Integrations
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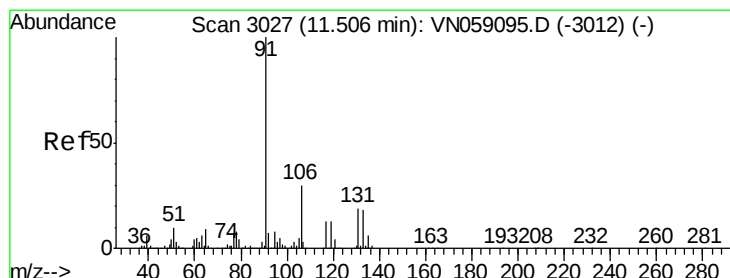
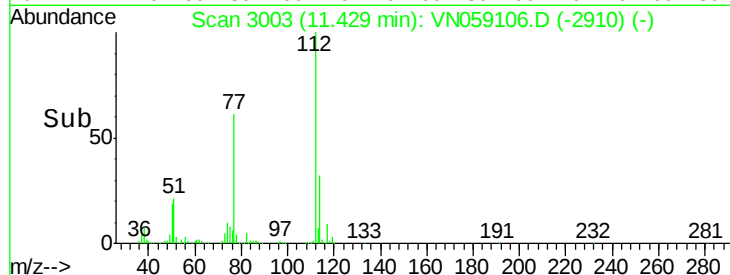
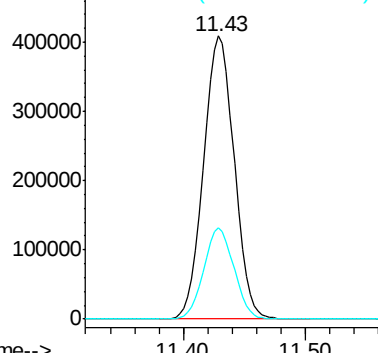
MMDadoda

11/7/2019 9:16:36 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.836 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

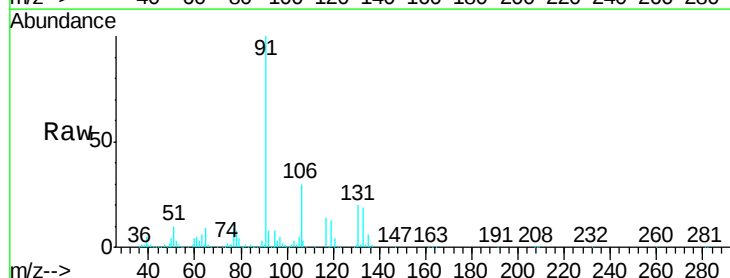
Tgt Ion:131 Resp: 268488

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.3

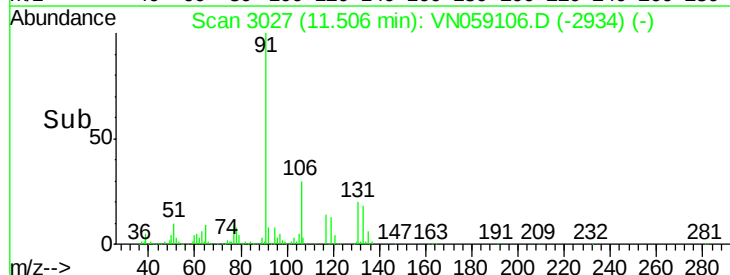
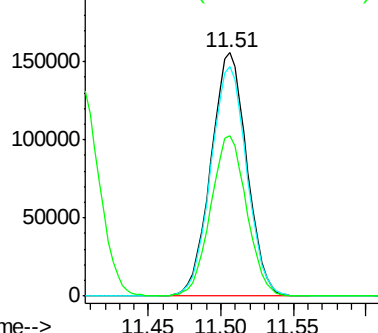
119 66.0 33.2 99.6

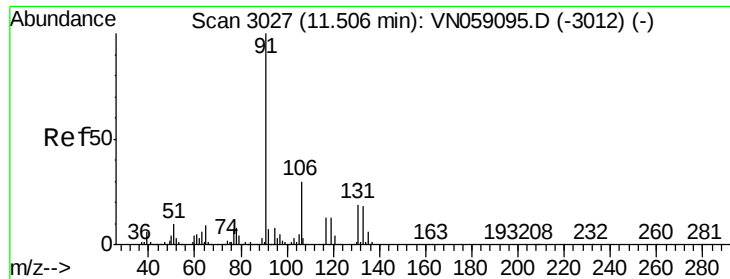


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1315496

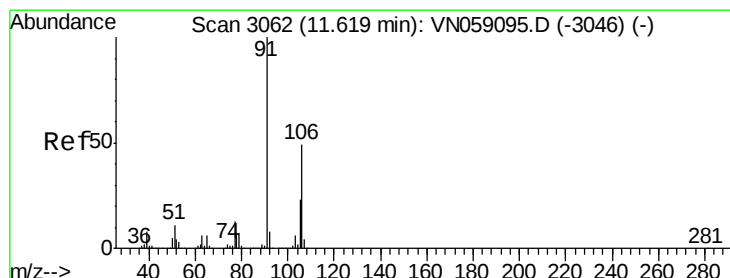
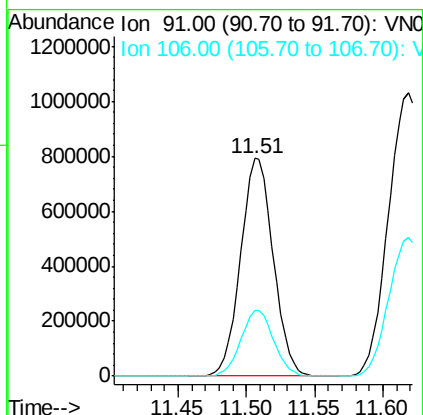
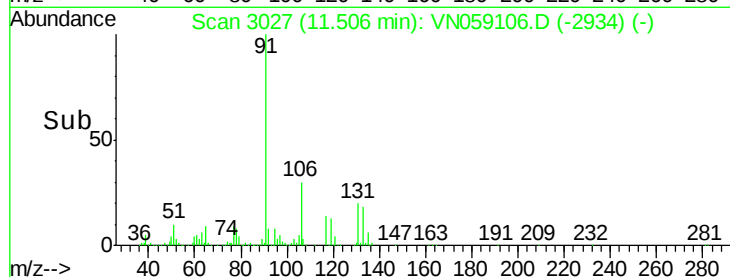
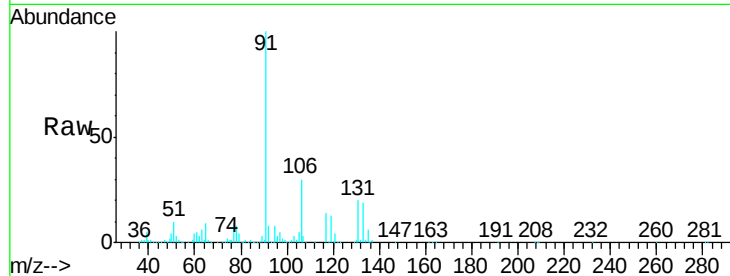
Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 102.201 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059106.D

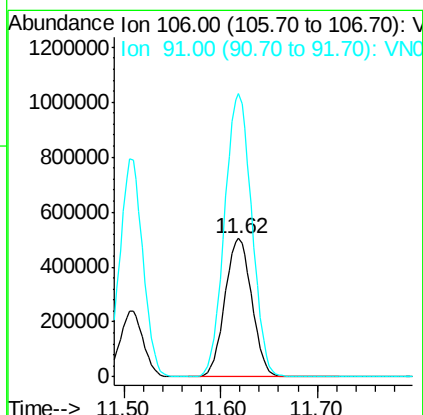
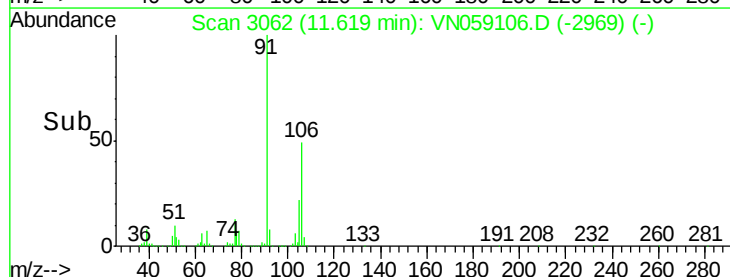
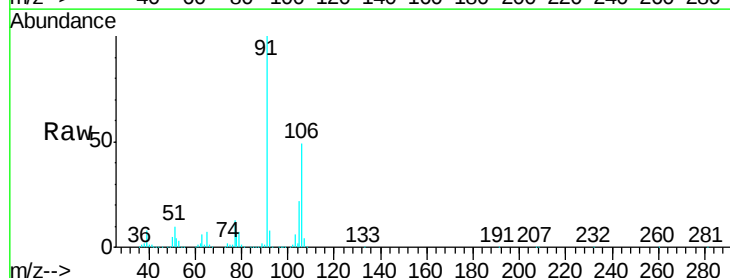
Acq: 6 Nov 2019 15:01

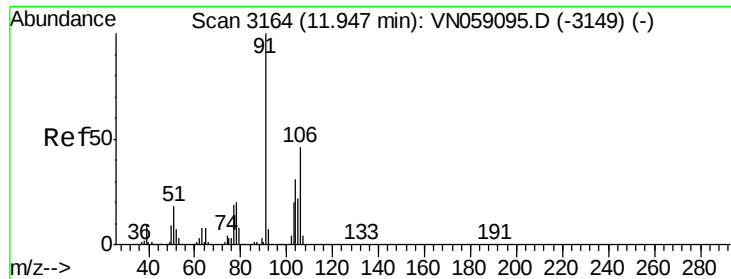
Tgt Ion: 106 Resp: 975495

Ion Ratio Lower Upper

106 100

91 205.7 164.7 247.1





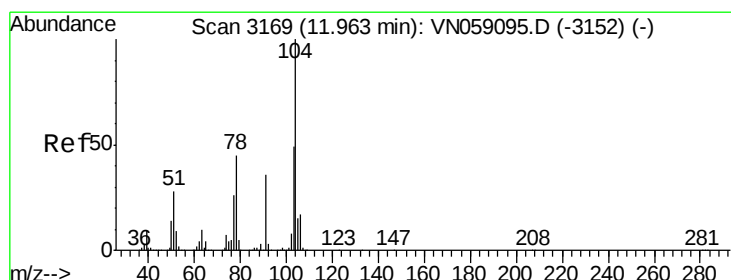
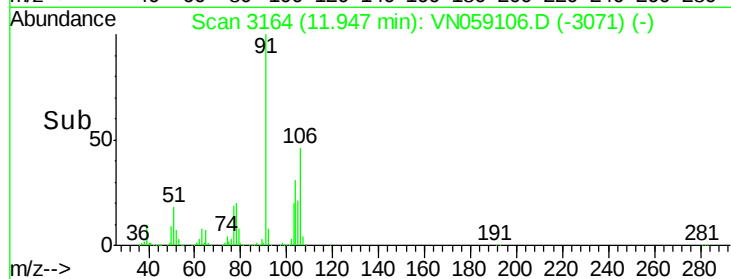
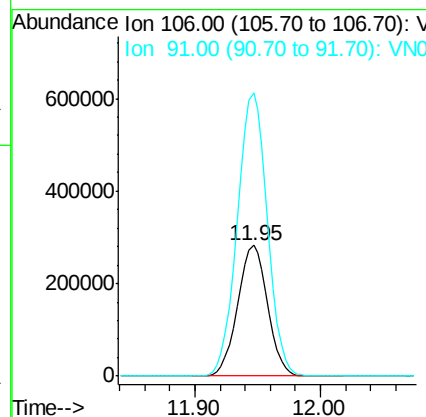
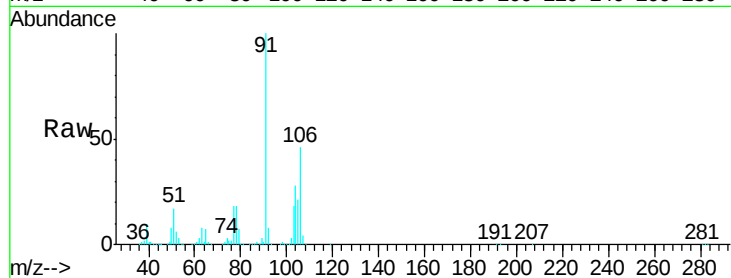
#69
o-Xylene
Concen: 50.683 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 467506
Ion Ratio Lower Upper
106 100
91 217.8 110.1 330.3

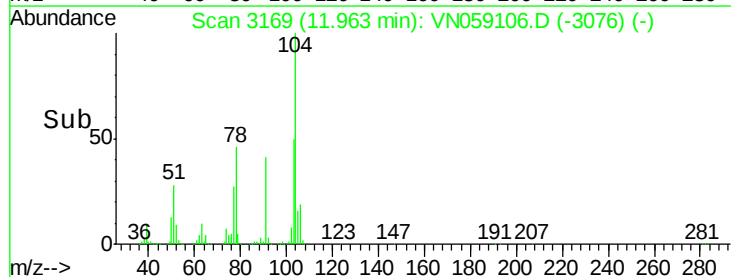
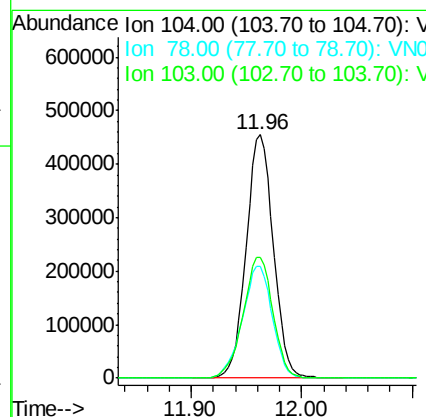
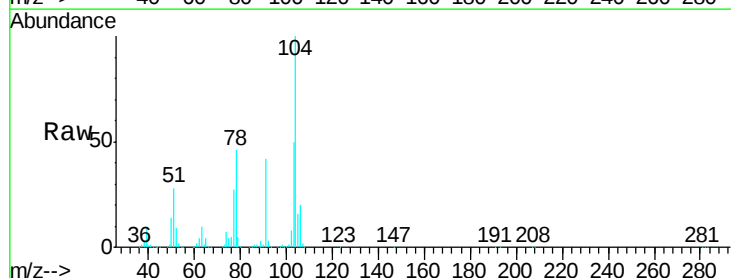
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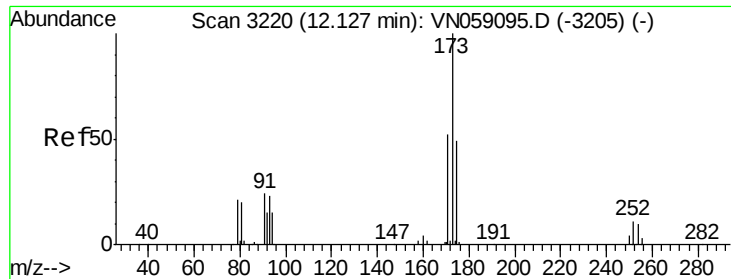
MMDadoda
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#70
Styrene
Concen: 53.531 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:104 Resp: 776579
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 54.4 43.8 65.6





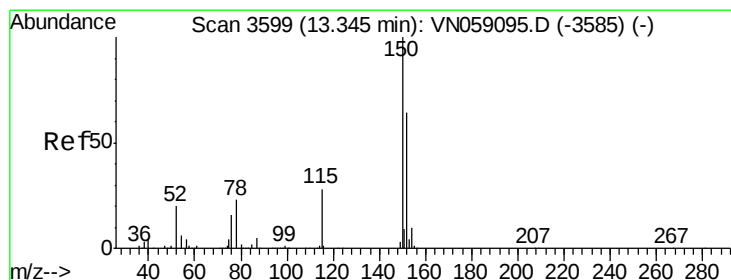
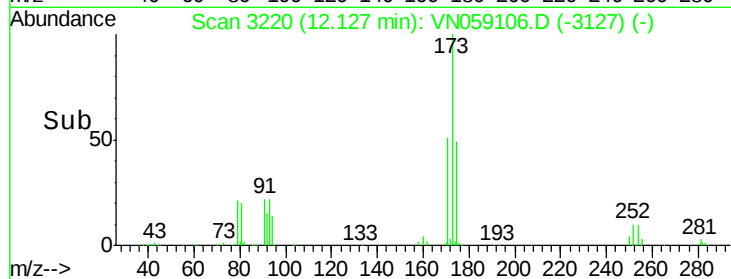
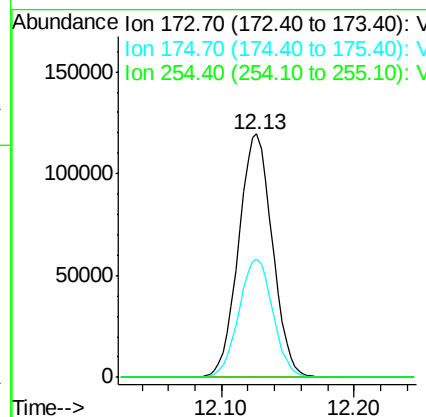
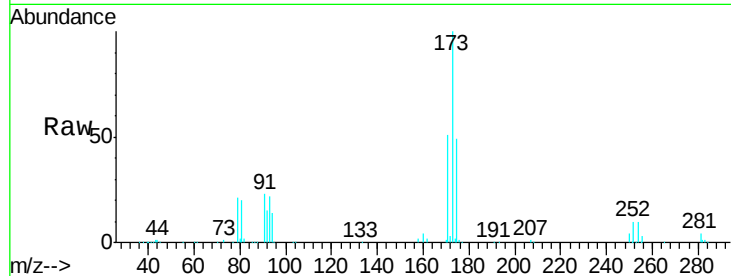
#71
Bromoform
Concen: 50.418 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1#

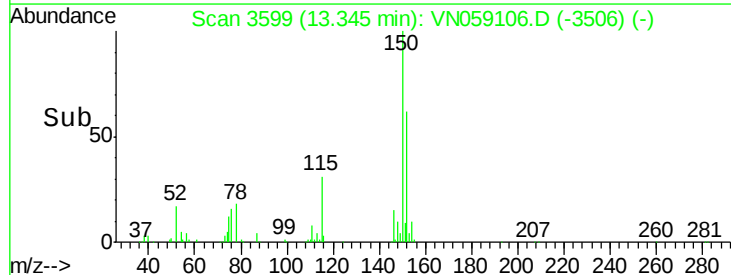
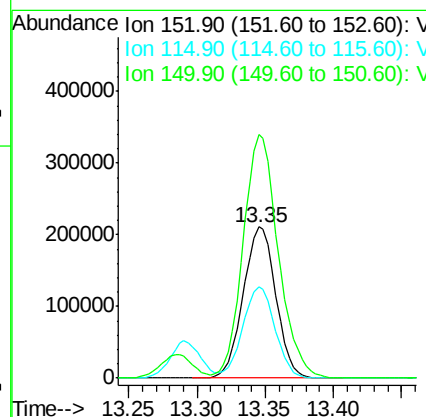
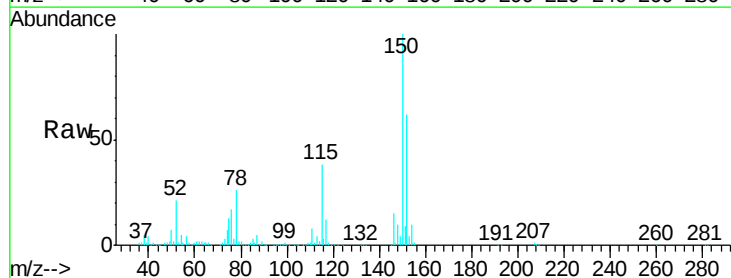
Manual Integrations
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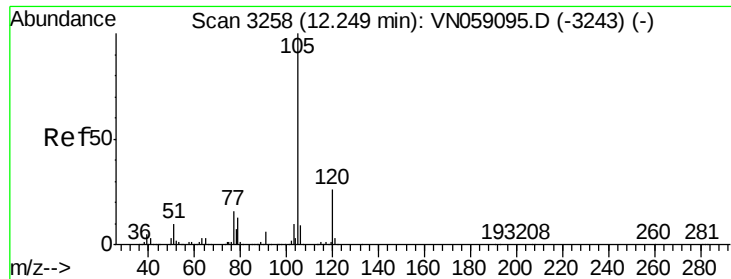
MMDadoda
11/7/2019 9:16:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.4	88.2
150	173.1	0.0	345.8





#73

Isopropylbenzene

Concen: 49.628 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1263530

Ion Ratio Lower Upper

105 100

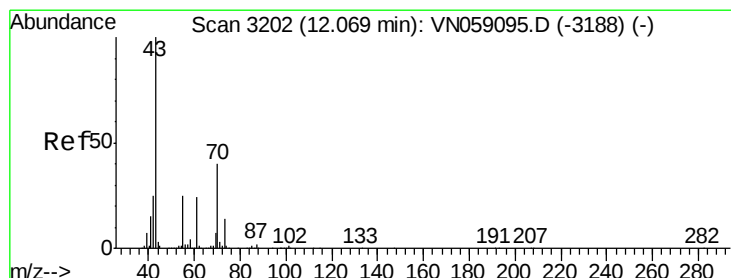
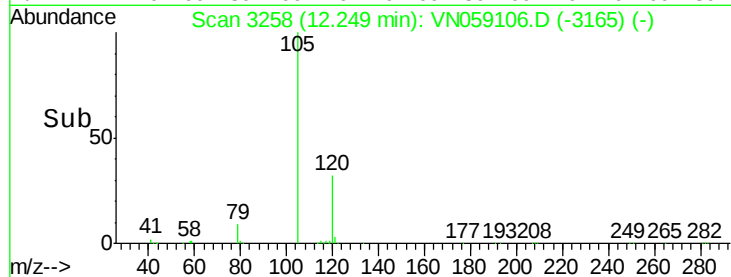
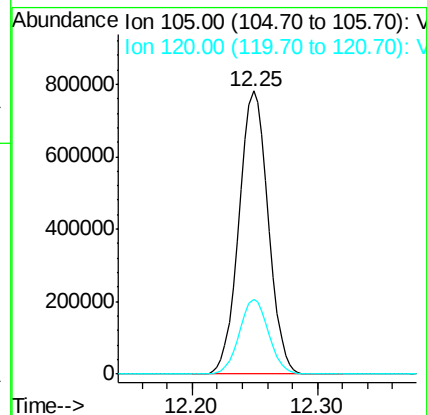
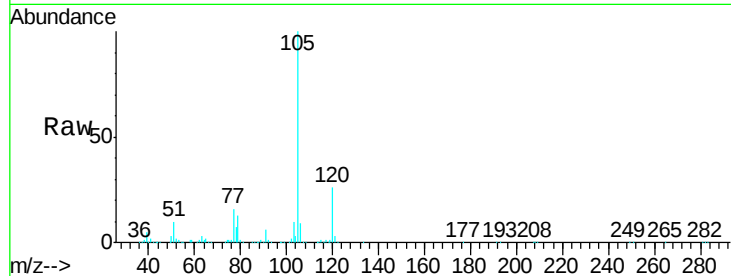
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.223 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion: 43 Resp: 541823

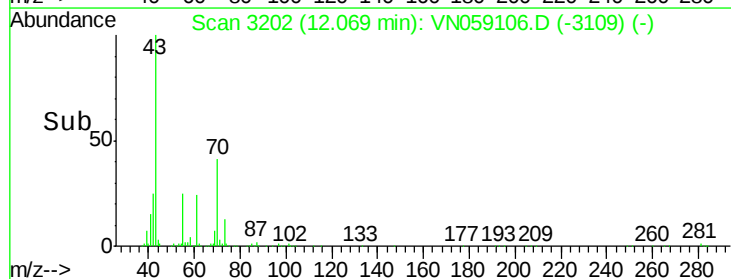
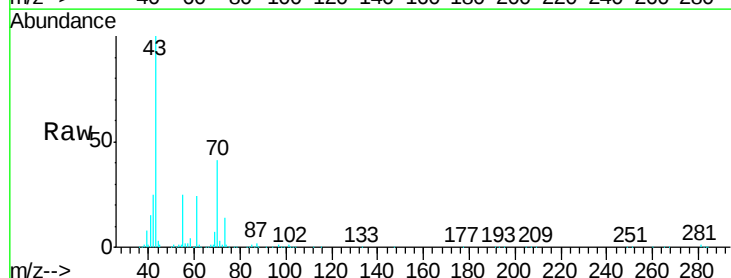
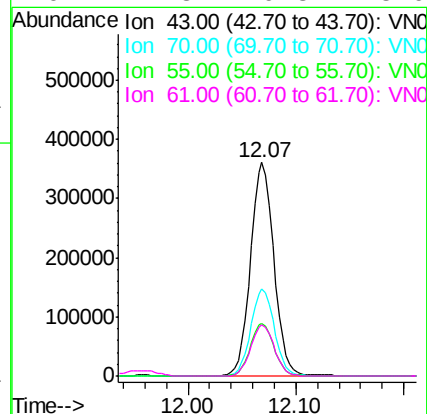
Ion Ratio Lower Upper

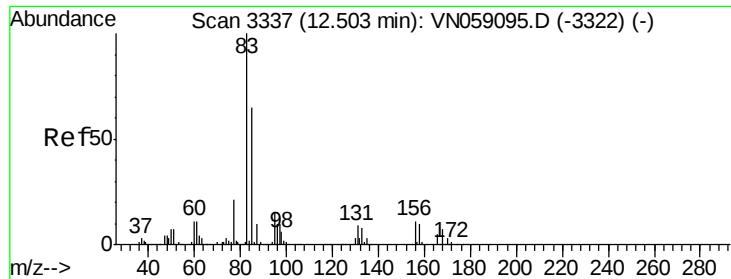
43 100

70 41.3 32.2 48.4

55 25.3 20.4 30.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.014 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 407625
Ion Ratio Lower Upper

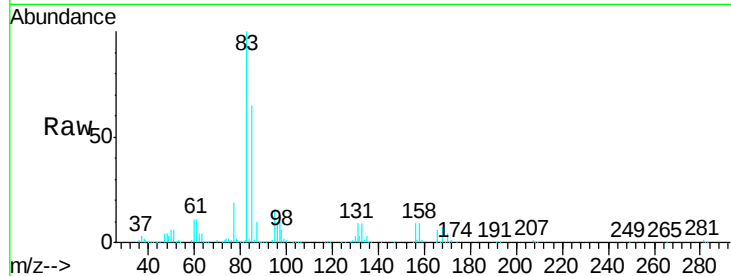
83 100

131 9.8 4.9 14.6

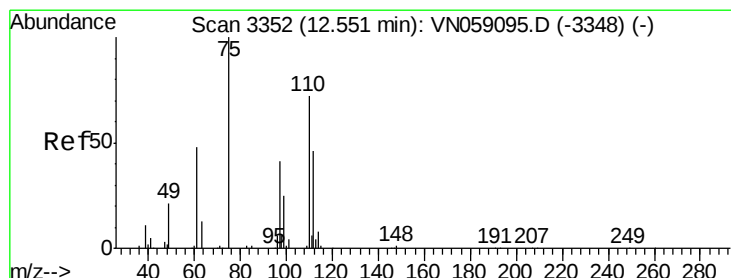
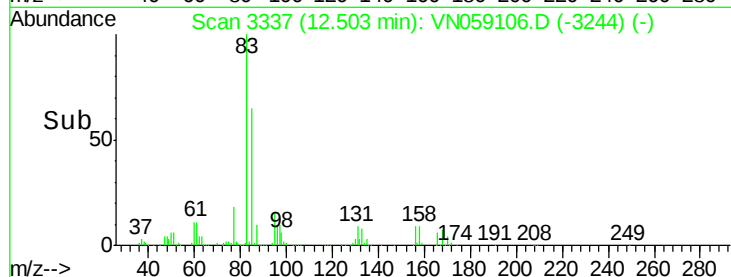
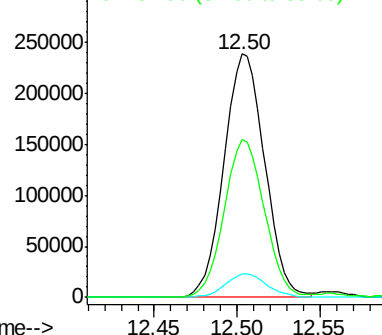
85 64.0 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VN059106.D (-3244) (-)
Ion 130.80 (130.50 to 131.50): VN059106.D (-3244) (-)
Ion 84.90 (84.60 to 85.60): VN059106.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 45.589 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

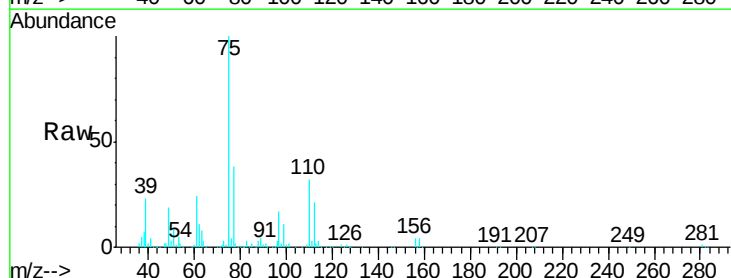
Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

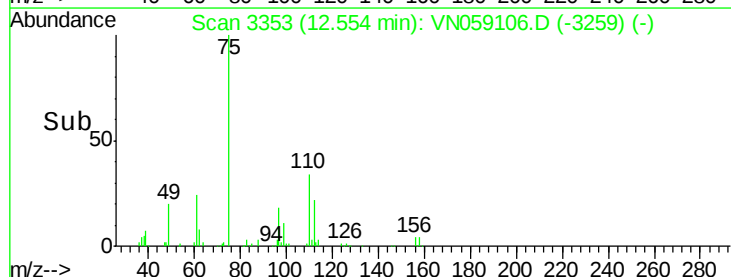
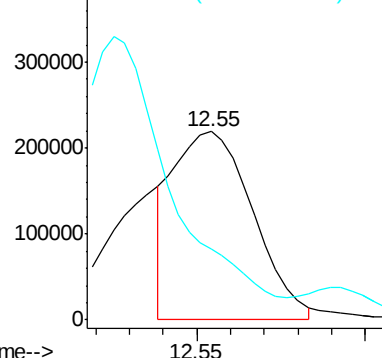
Tgt Ion: 75 Resp: 363285
Ion Ratio Lower Upper

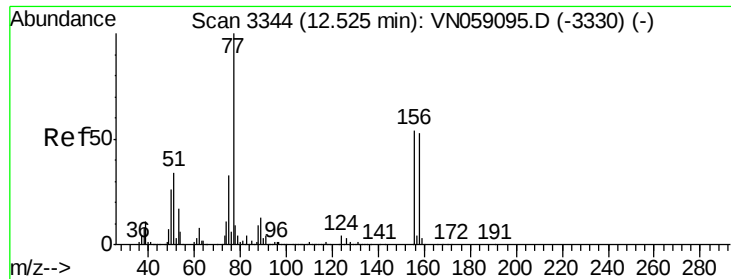
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059106.D (-3259) (-)
Ion 77.00 (76.70 to 77.70): VN059106.D (-3259) (-)





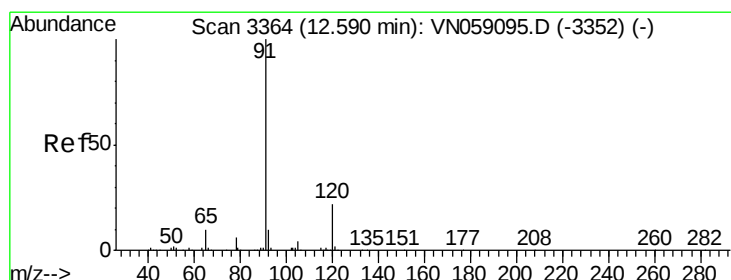
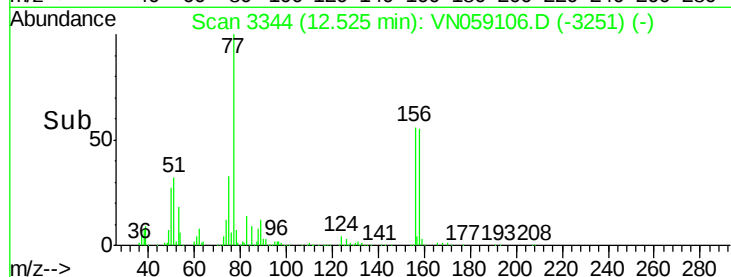
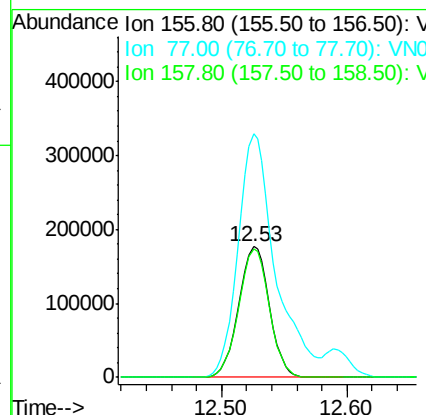
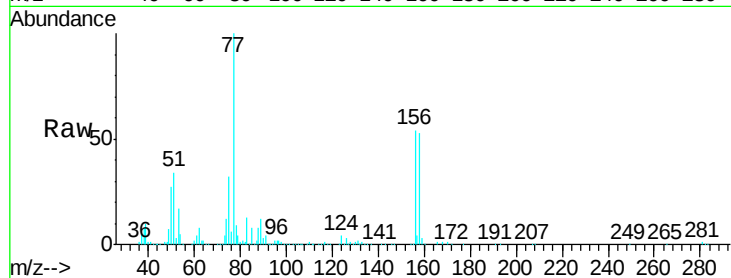
#77
Bromobenzene
Concen: 47.032 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	226.0	112.8	338.3
158	97.8	48.4	145.3

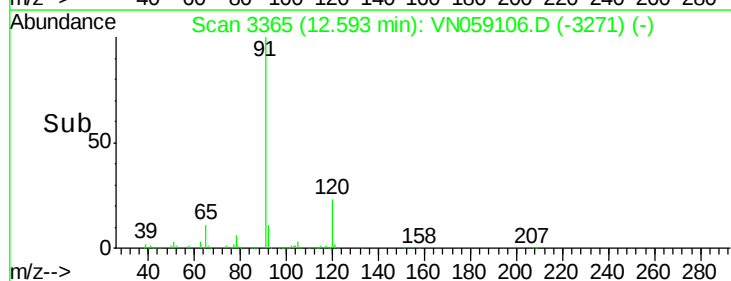
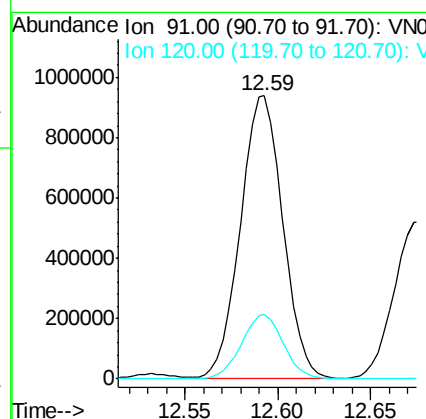
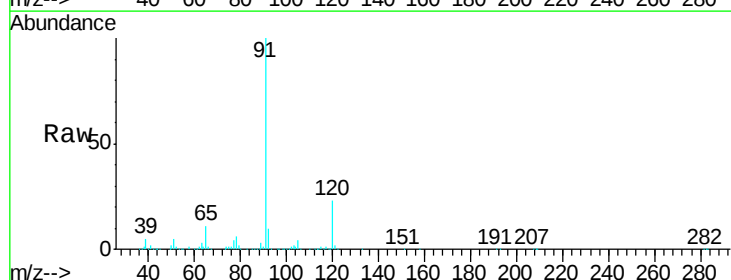
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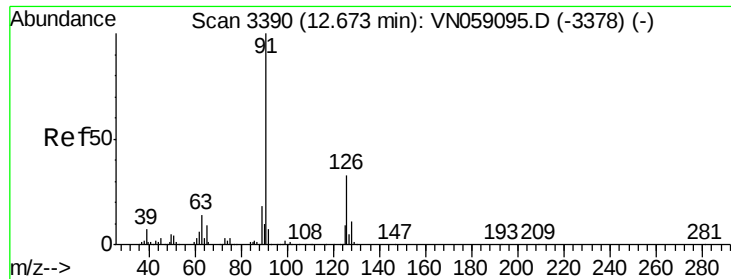
MMDadoda
11/7/2019 9:16:36 AM



#78
n-propylbenzene
Concen: 51.395 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.576 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 878459

Ion Ratio Lower Upper

91 100

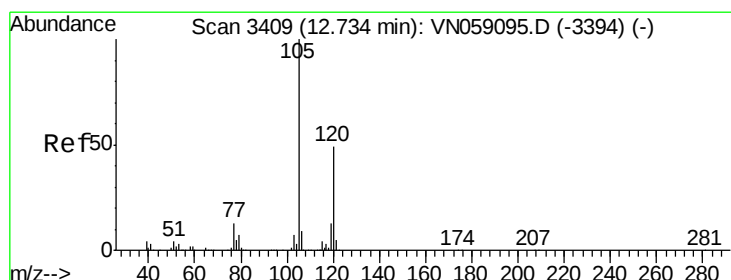
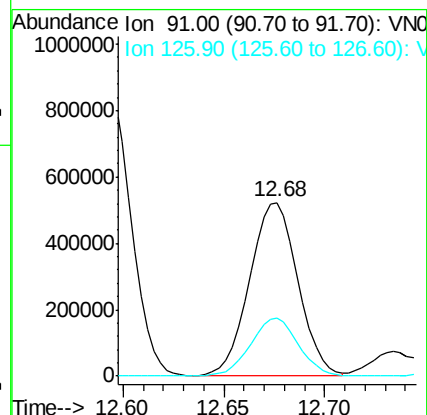
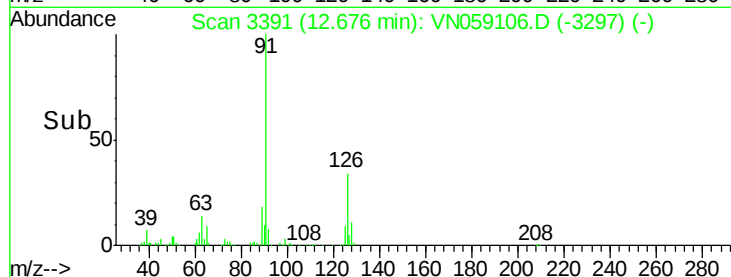
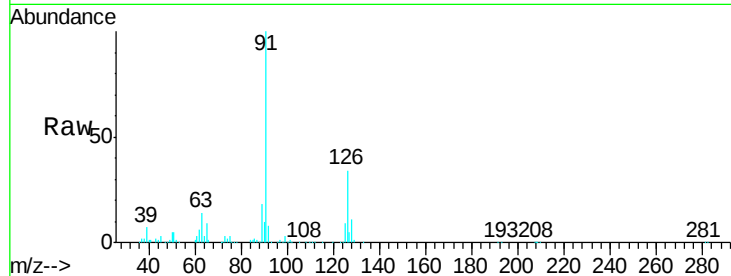
126 33.0 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.146 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059106.D

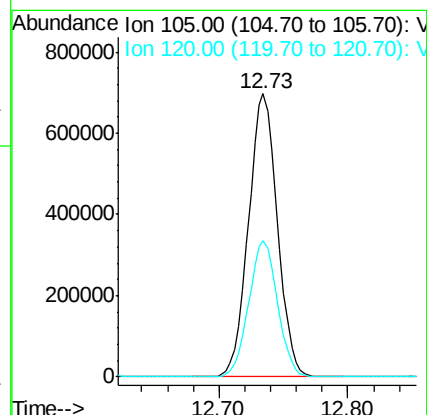
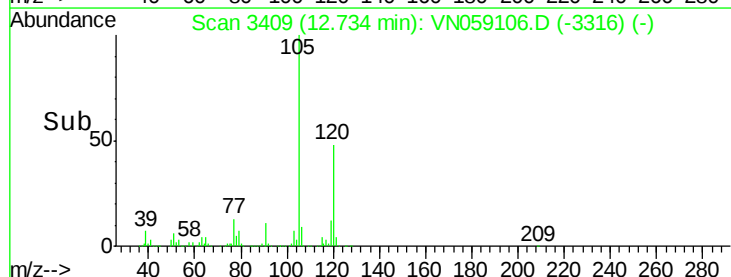
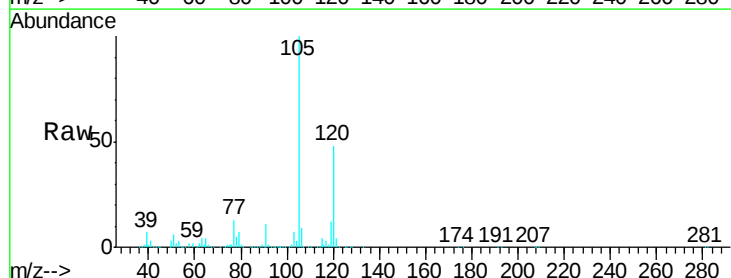
Acq: 6 Nov 2019 15:01

Tgt Ion: 105 Resp: 1081838

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.634 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

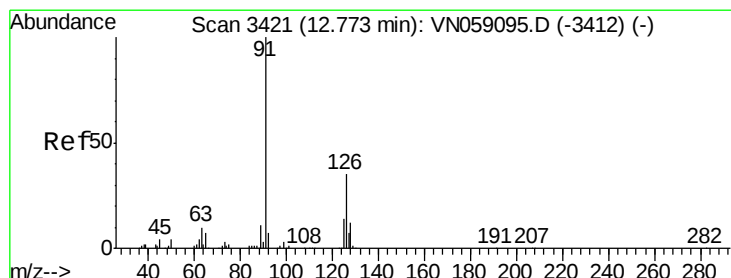
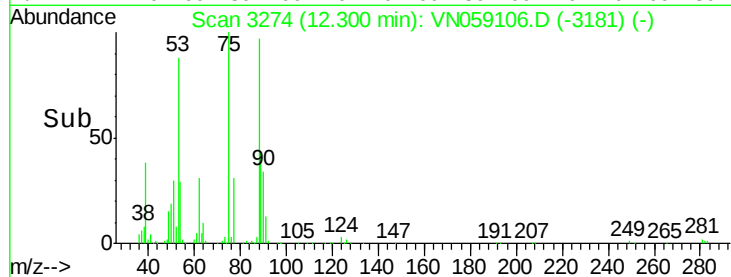
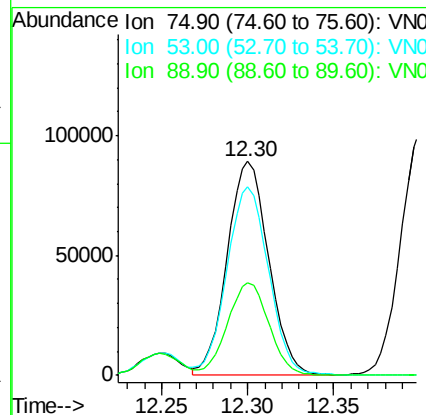
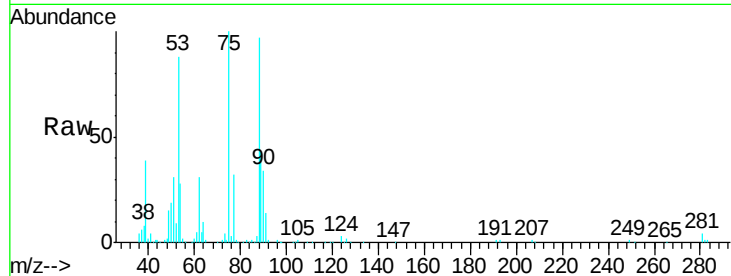
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	149745
Ion Ratio	Lower	Upper	
75	100		
53	88.5	72.2	108.2
89	43.2	35.8	53.8

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#82

4-Chlorotoluene

Concen: 49.811 ug/l

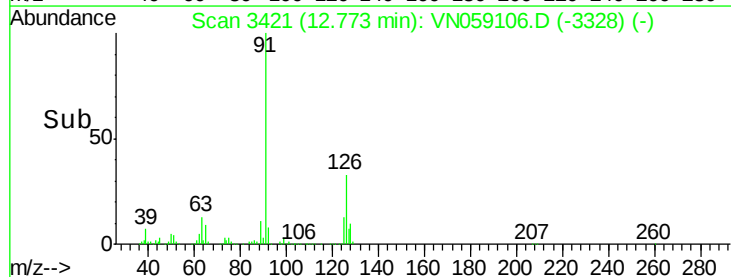
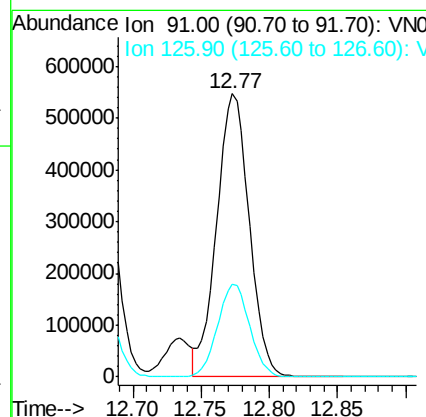
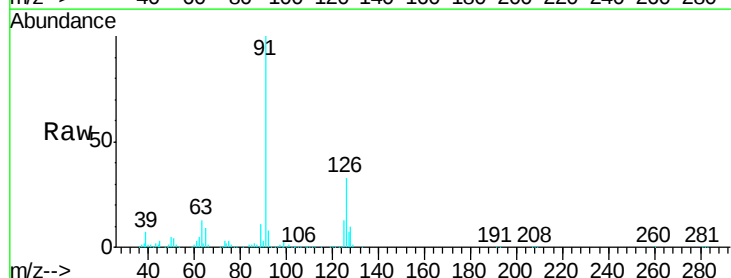
RT: 12.77 min Scan# 3421

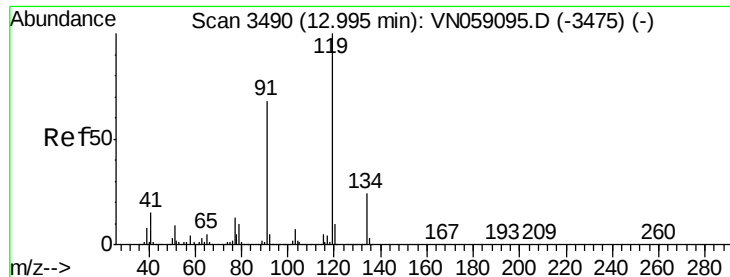
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	91	Resp:	903488
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.1	48.2





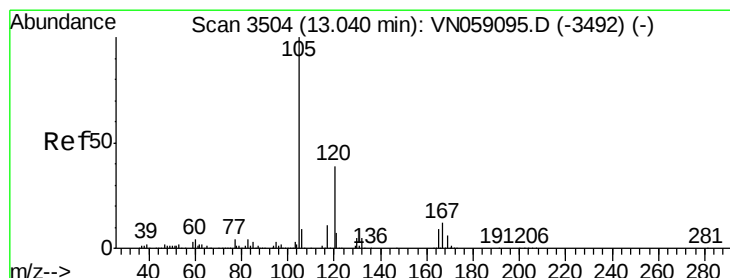
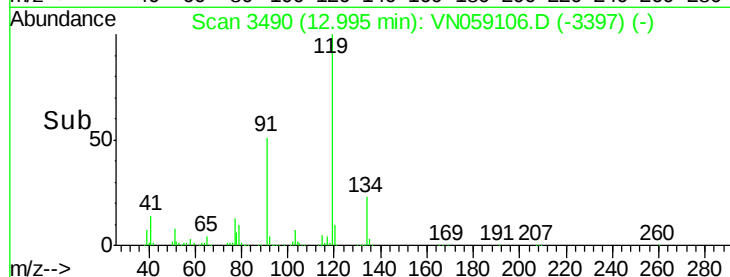
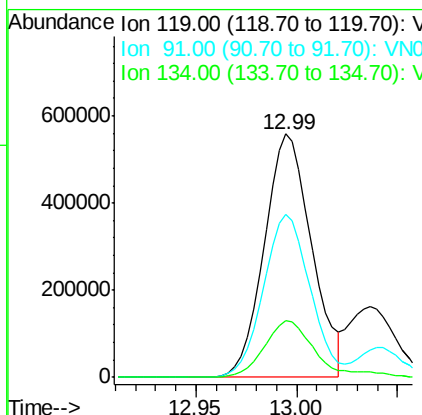
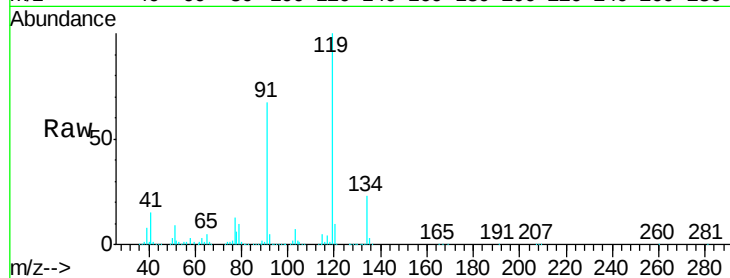
#83
tert-Butylbenzene
Concen: 48.844 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.2	99.6
134	25.3	12.7	38.1

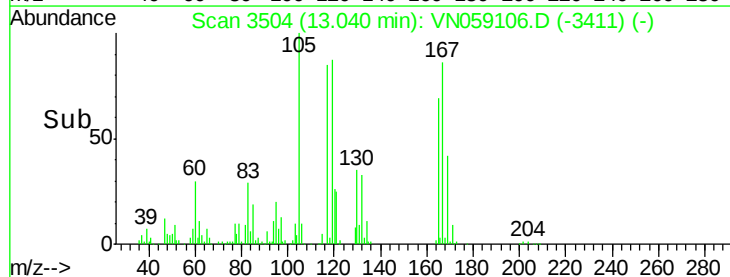
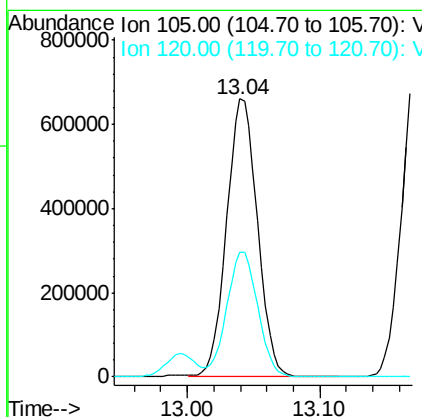
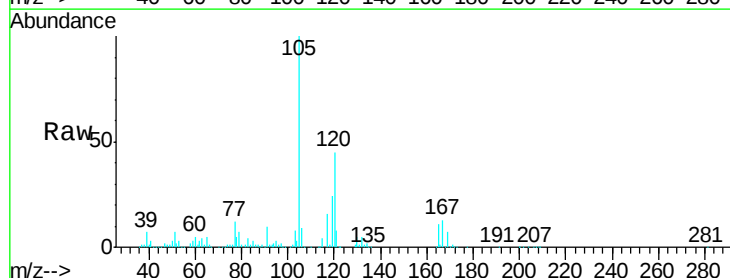
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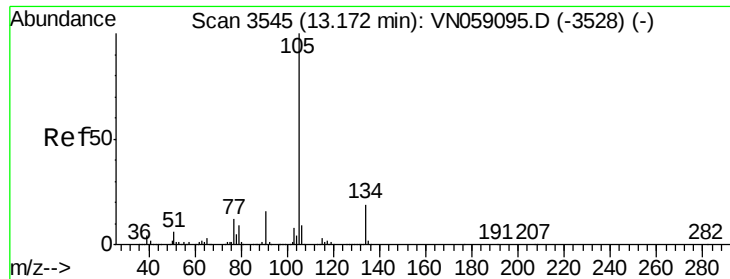
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#84
1,2,4-Trimethylbenzene
Concen: 50.862 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





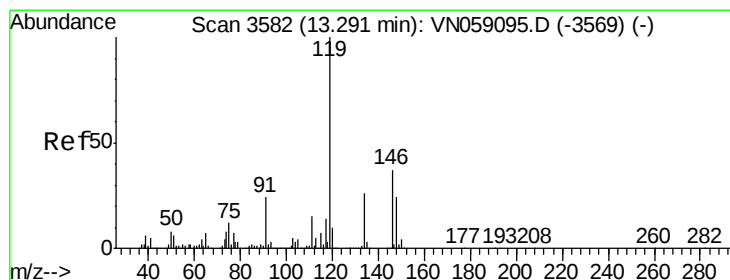
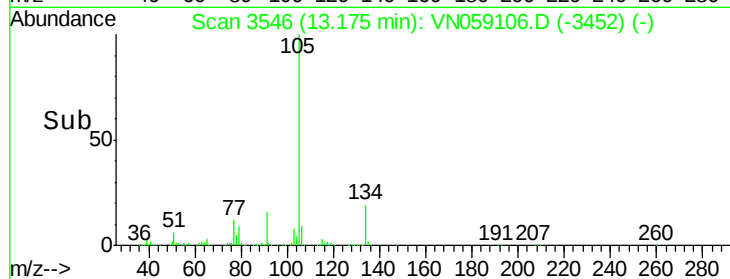
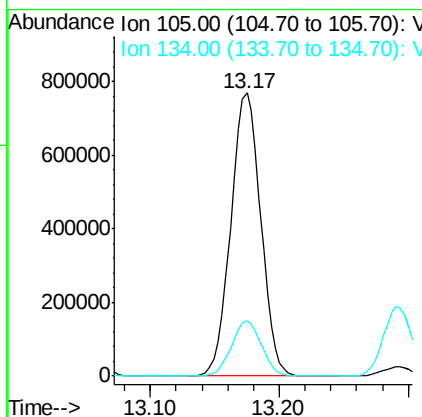
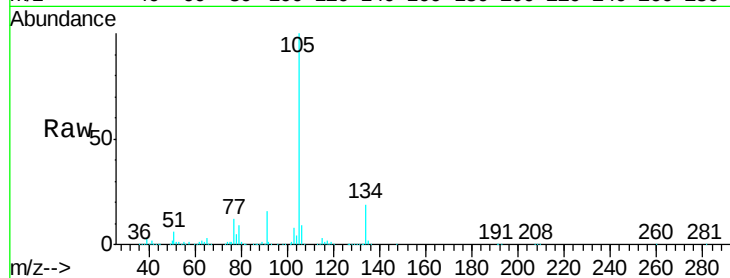
#85
 sec-Butylbenzene
 Concen: 50.971 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1235018
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

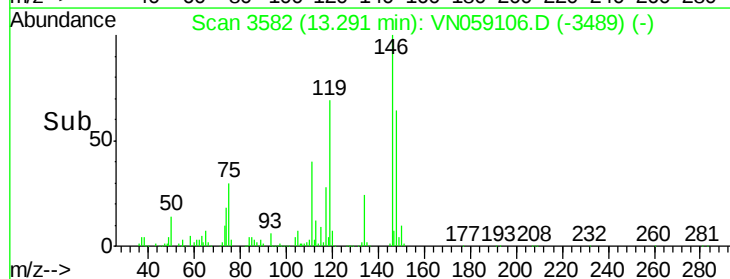
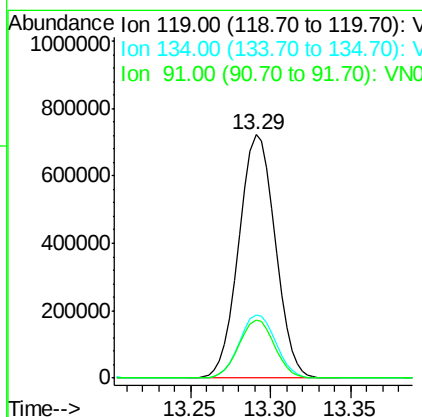
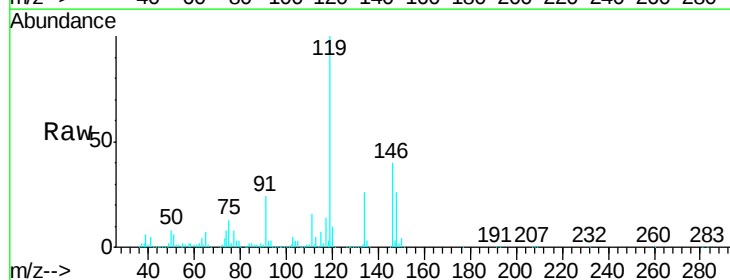
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#86
 p-Isopropyltoluene
 Concen: 52.231 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion:119 Resp: 1117435
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 49.376 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

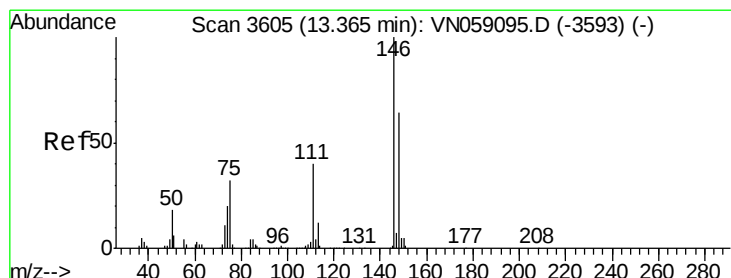
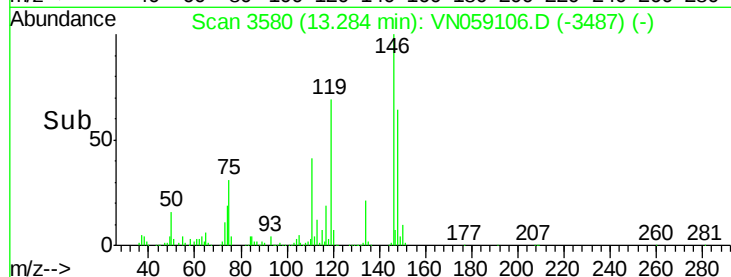
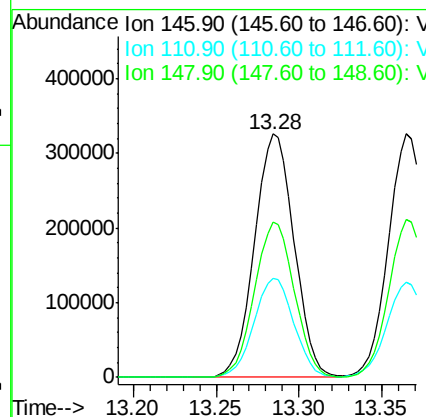
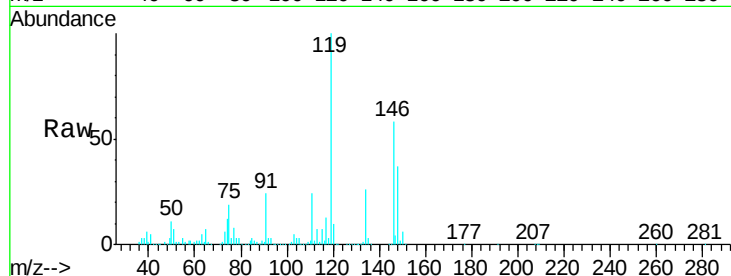
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	540851
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.4	61.3
148	64.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 48.328 ug/l

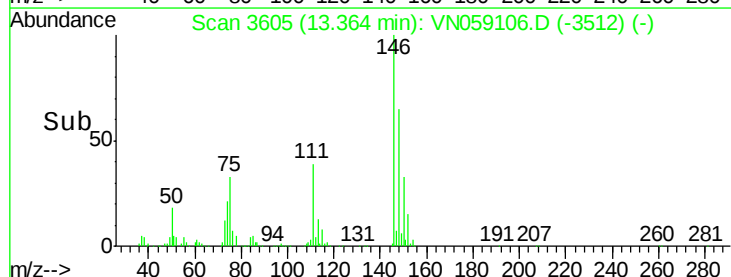
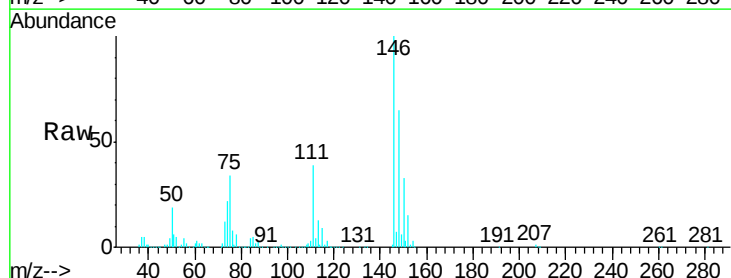
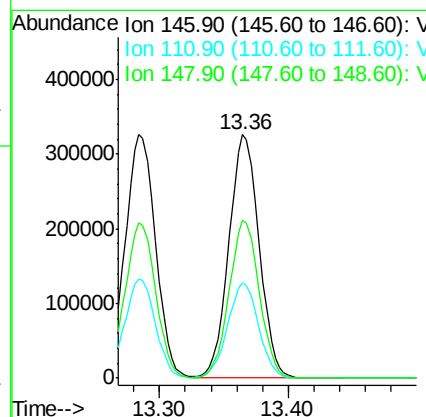
RT: 13.36 min Scan# 3605

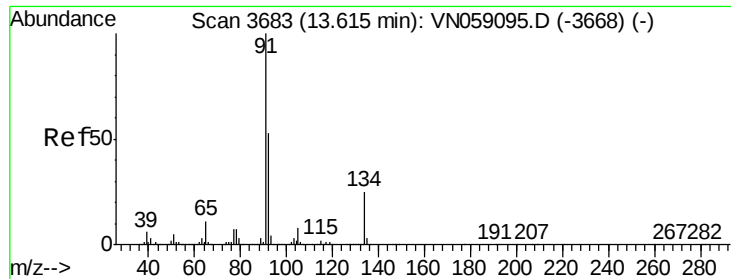
Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	146	Resp:	529646
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	64.8	31.9	95.7





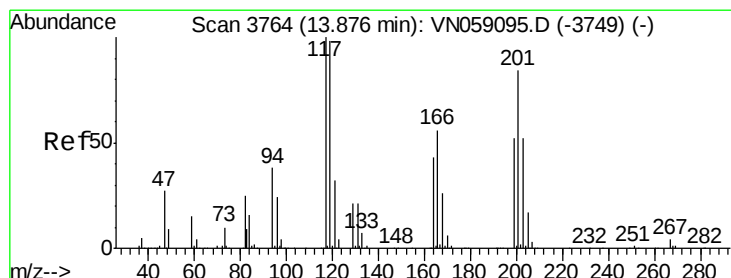
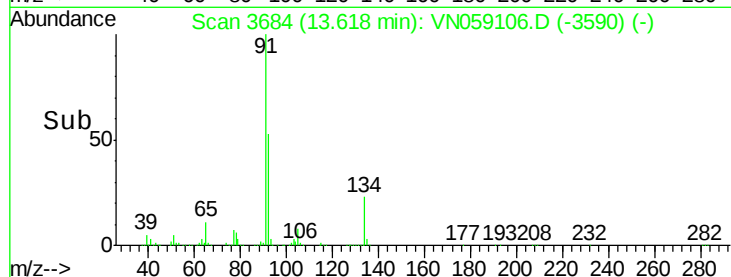
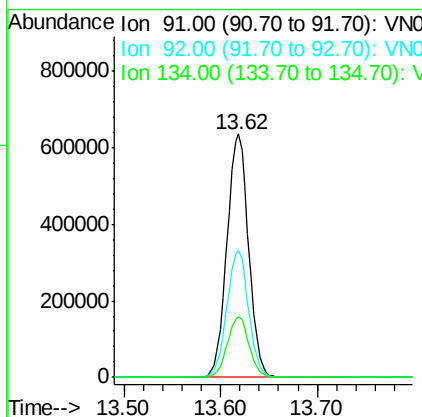
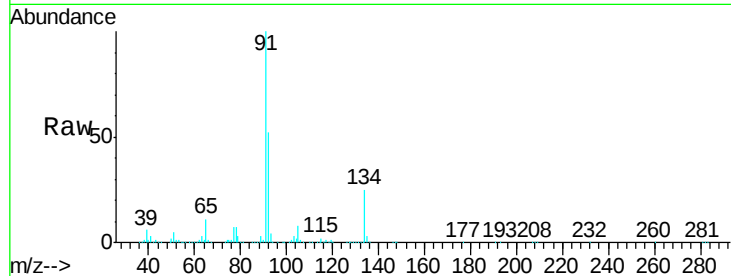
#89
n-Butylbenzene
Concen: 52.558 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	24.9	12.6	37.8

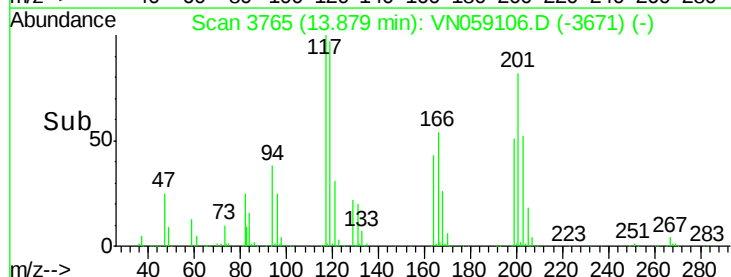
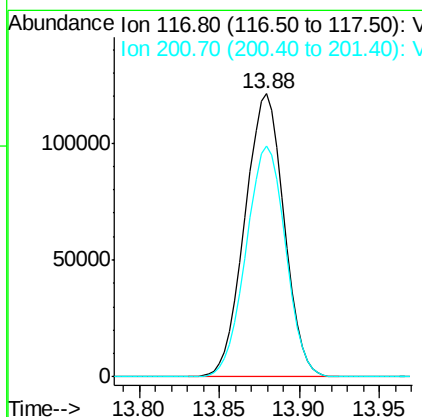
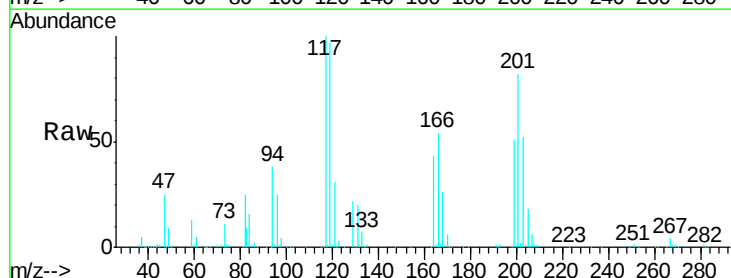
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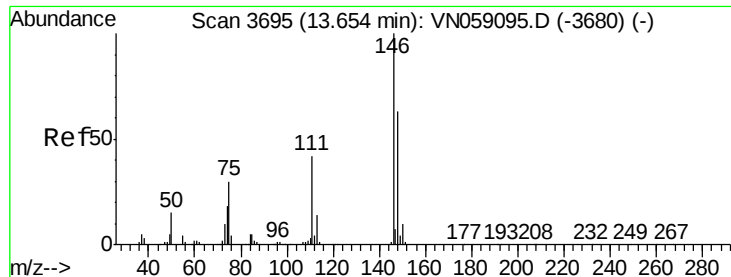
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#90
Hexachloroethane
Concen: 47.213 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.8	125.3





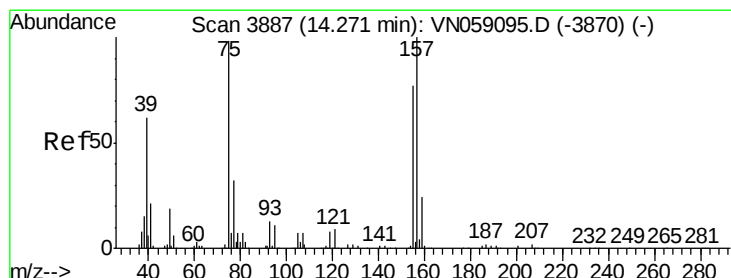
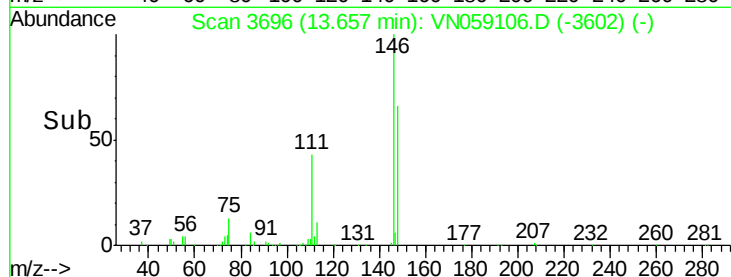
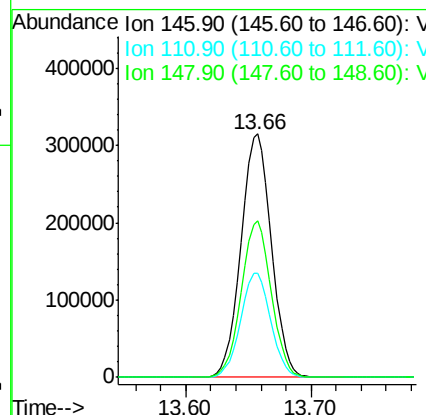
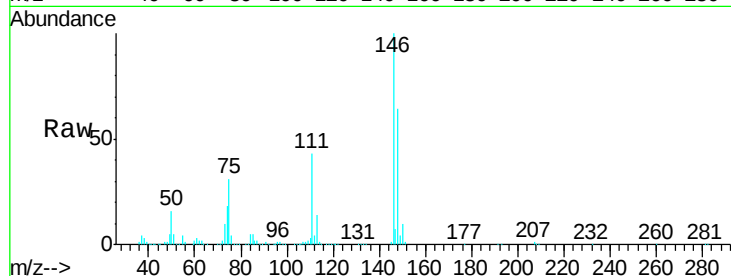
#91
 1,2-Dichlorobenzene
 Concen: 49.219 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.4	31.6	94.7

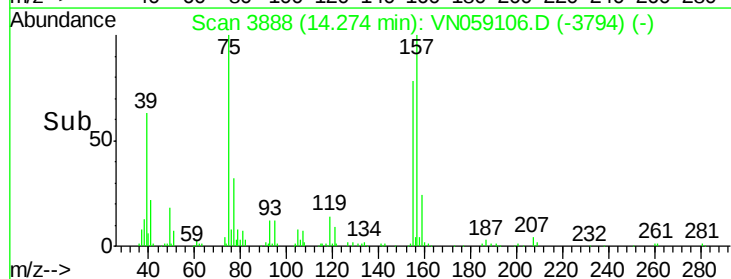
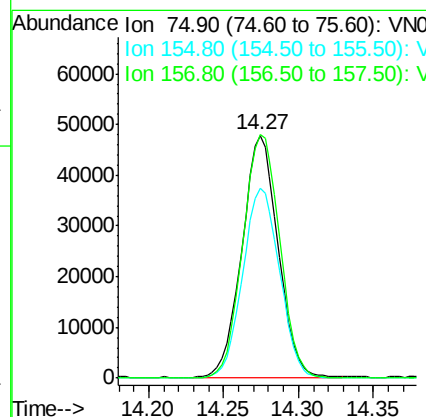
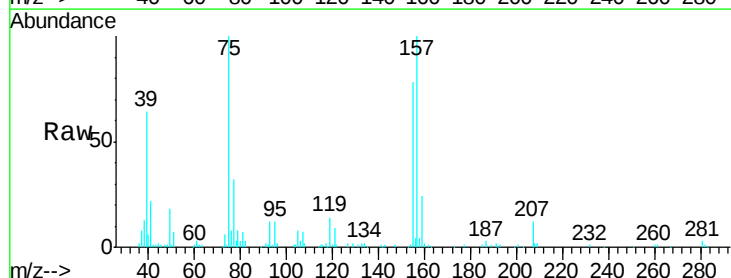
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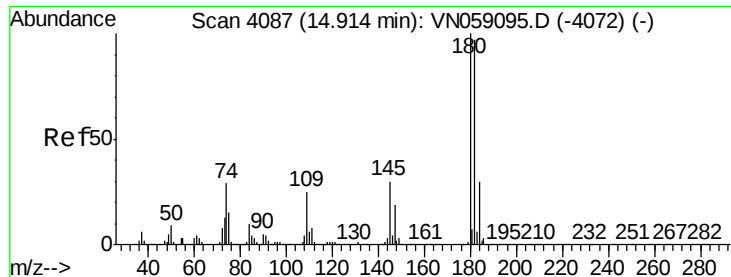
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.141 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.2	120.6
157	103.2	51.8	155.5





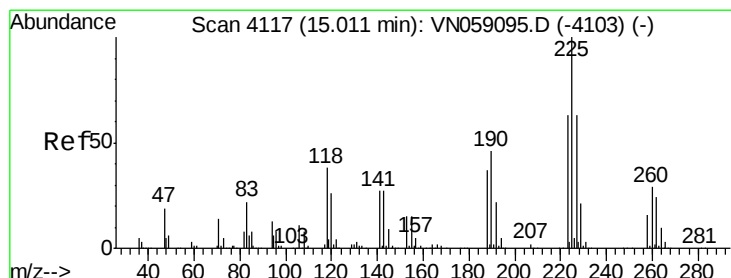
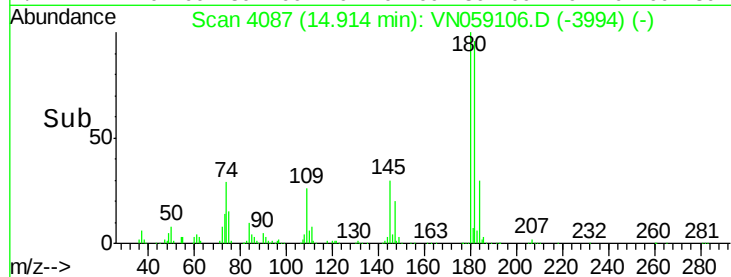
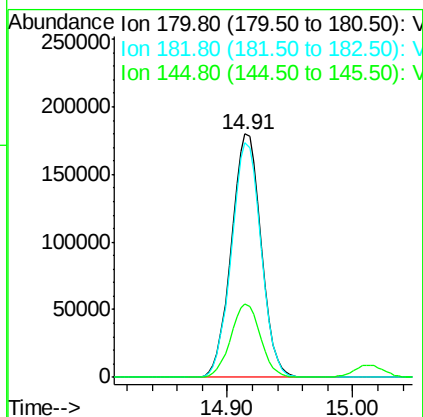
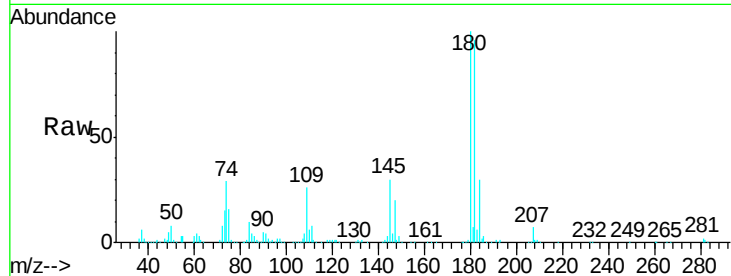
#93
1,2,4-Trichlorobenzene
Concen: 45.515 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	295649		
182	95.9	48.1	144.3	
145	30.2	15.1	45.3	

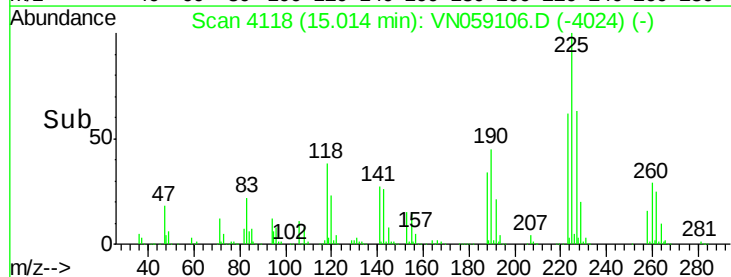
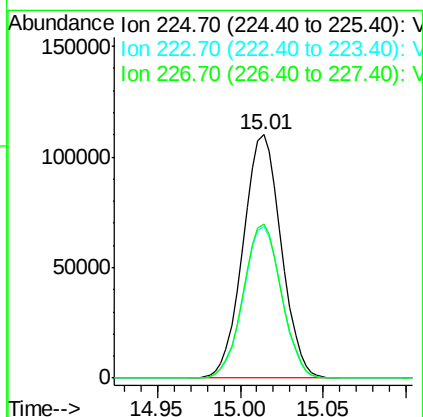
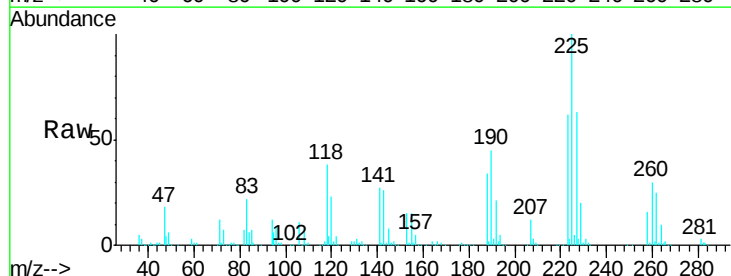
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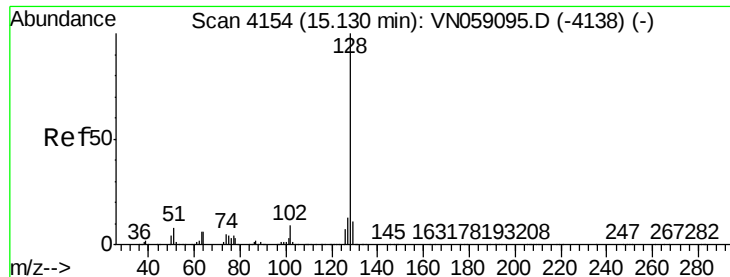
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#94
Hexachlorobutadiene
Concen: 47.367 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175985		
223	62.5	31.3	93.9	
227	63.3	31.5	94.5	





#95

Naphthalene

Concen: 43.690 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

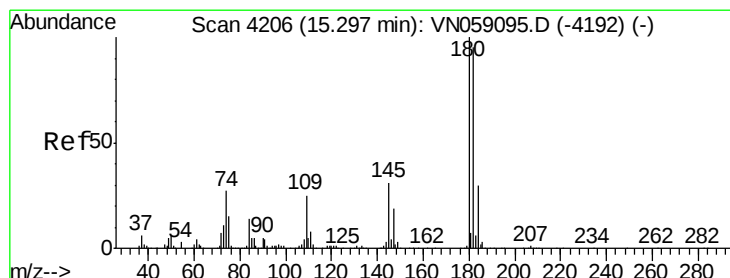
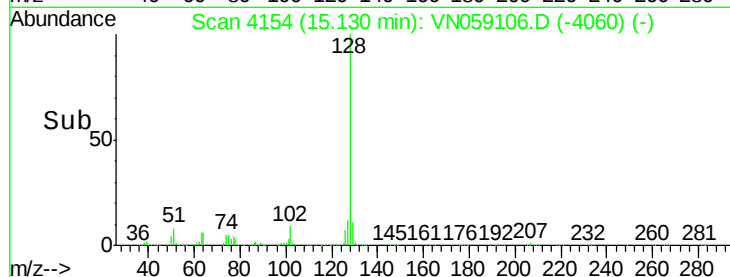
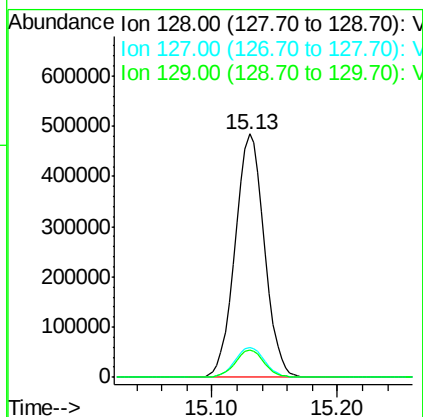
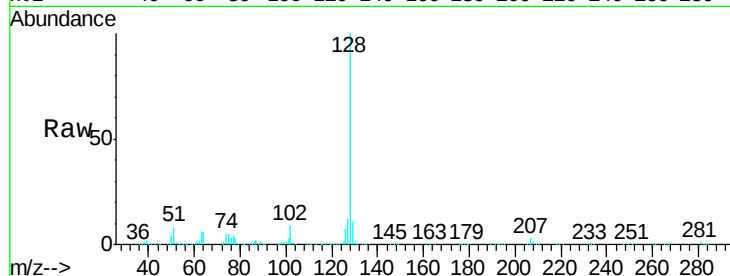
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	785007
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.630 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion:	180	Resp:	293660
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	141.8
145	31.0	15.8	47.3

