

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059096.D
 Acq On : 6 Nov 2019 10:23
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:15 AM

Quant Time: Nov 07 03:55:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	550093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	852726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	790073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398201	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	664380	93.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.50%	
35) Dibromofluoromethane	7.57	113	518495	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
50) Toluene-d8	10.08	98	2058982	98.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.72%	
62) 4-Bromofluorobenzene	12.40	95	782198	104.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	533821	90.451	ug/l	99
3) Chloromethane	2.04	50	700813	87.646	ug/l	100
4) Vinyl Chloride	2.17	62	702005	90.329	ug/l	99
5) Bromomethane	2.52	94	396595m	86.652	ug/l	
6) Chloroethane	2.67	64	405023	85.100	ug/l	100
7) Trichlorofluoromethane	2.99	101	838384	90.555	ug/l	100
8) Diethyl Ether	3.38	74	346678	95.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	506989	92.809	ug/l	100
10) Methyl Iodide	3.92	142	687460	103.068	ug/l	100
11) Tert butyl alcohol	4.76	59	647814	483.076	ug/l	99
12) 1,1-Dichloroethene	3.71	96	497949	91.720	ug/l	100
13) Acrolein	3.58	56	311052	384.954	ug/l	100
14) Allyl chloride	4.29	41	1030714	95.816	ug/l	98
15) Acrylonitrile	4.95	53	1667021	493.644	ug/l	99
16) Acetone	3.79	43	1825677	493.035	ug/l	98
17) Carbon Disulfide	4.02	76	1509037	88.098	ug/l	100
18) Methyl Acetate	4.29	43	838374	89.890	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1781964	96.236	ug/l	100
20) Methylene Chloride	4.52	84	583917	90.629	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	544810	93.592	ug/l	98
22) Diisopropyl ether	5.92	45	2001323	97.591	ug/l	100
23) Vinyl Acetate	5.86	43	7691475	472.067	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	1078155	91.887	ug/l	99
25) 2-Butanone	6.81	43	2445085	499.313	ug/l	100
26) 2,2-Dichloropropane	6.80	77	922096	90.686	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	631669	96.009	ug/l	99
28) Bromochloromethane	7.17	49	301695	83.875	ug/l	99
29) Tetrahydrofuran	7.18	42	1511820	489.610	ug/l	99
30) Chloroform	7.35	83	1023398	91.259	ug/l	99
31) Cyclohexane	7.63	56	1005544	90.233	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	887200	93.529	ug/l	100
36) 1,1-Dichloropropene	7.77	75	814633	96.601	ug/l	99
37) Ethyl Acetate	6.90	43	904709	96.422	ug/l	100
38) Carbon Tetrachloride	7.75	117	789304	95.937	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	985080	101.354	ug/l	99
40) Benzene	8.02	78	2397194	95.536	ug/l	100
41) Methacrylonitrile	7.16	41	443992m	108.865	ug/l	
42) 1,2-Dichloroethane	8.10	62	814956	93.463	ug/l	100
43) Isopropyl Acetate	8.14	43	1473724	100.660	ug/l	100
44) Trichloroethene	8.82	130	586833	94.945	ug/l	99
45) 1,2-Dichloropropane	9.10	63	656984	96.718	ug/l	99
46) Dibromomethane	9.19	93	397853	94.885	ug/l	99
47) Bromodichloromethane	9.39	83	827643	97.281	ug/l	97
48) Methyl methacrylate	9.18	41	682443	102.174	ug/l	99
49) 1,4-Dioxane	9.18	88	246626	2278.546	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	4085323	478.956	ug/l	92
52) Toluene	10.14	92	1484987	101.175	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	978781	99.770	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1052301	101.790	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	575717	95.941	ug/l	100
56) Ethyl methacrylate	10.42	69	1000676	110.912	ug/l	98
57) 1,3-Dichloropropane	10.70	76	1021956	98.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1469781	410.468	ug/l	100
59) 2-Hexanone	10.74	43	3323991	512.977	ug/l	94
60) Dibromochloromethane	10.90	129	645234	100.129	ug/l	100
61) 1,2-Dibromoethane	11.00	107	609683	100.620	ug/l	99
64) Tetrachloroethene	10.62	164	519262	94.147	ug/l	99
65) Chlorobenzene	11.43	112	1543461	95.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	576084	96.762	ug/l	99
67) Ethyl Benzene	11.51	91	2752093	98.429	ug/l	95
68) m/p-Xylenes	11.62	106	2134812	204.174	ug/l	90
69) o-Xylene	11.95	106	1029312	103.174	ug/l	96
70) Styrene	11.96	104	1746272	108.220	ug/l	99
71) Bromoform	12.12	173	483210	104.980	ug/l	# 99
73) Isopropylbenzene	12.25	105	2693076	92.147	ug/l	98
74) N-amyl acetate	12.07	43	1304404	100.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	918905	88.248	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	806430m	86.655	ug/l	
77) Bromobenzene	12.53	156	670337	91.415	ug/l	99
78) n-propylbenzene	12.59	91	3136779	92.870	ug/l	96
79) 2-Chlorotoluene	12.67	91	1937103	92.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2354383	94.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	355346	97.926	ug/l	97
82) 4-Chlorotoluene	12.77	91	2014068	94.004	ug/l	99
83) tert-Butylbenzene	12.99	119	2022520	95.514	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2351610	97.710	ug/l	99
85) sec-Butylbenzene	13.17	105	2677485	96.720	ug/l	98
86) p-Isopropyltoluene	13.29	119	2446361	98.126	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1230438	94.796	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1225805	95.574	ug/l	99
89) n-Butylbenzene	13.62	91	2260050	104.403	ug/l	98
90) Hexachloroethane	13.88	117	459068	92.771	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1187297	91.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	195174	86.937	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757930	109.163	ug/l	99
94) Hexachlorobutadiene	15.01	225	395738	94.335	ug/l	99
95) Naphthalene	15.13	128	2181147	114.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	750533	105.699	ug/l	99

(#) = 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: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 550093

Ion Ratio Lower Upper

168 100

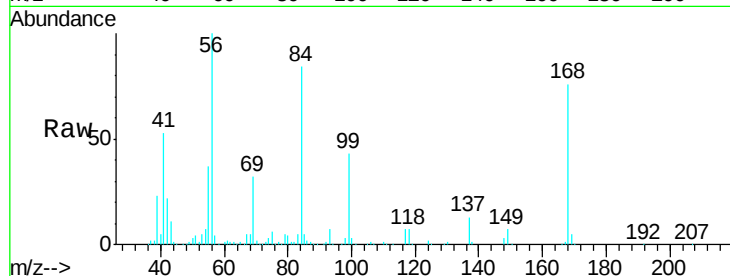
99 57.0 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

250000

200000

150000

100000

50000

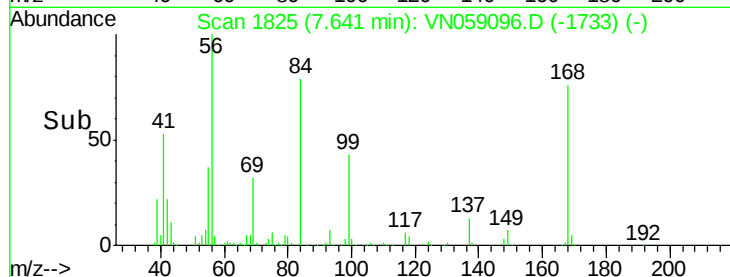
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7.50

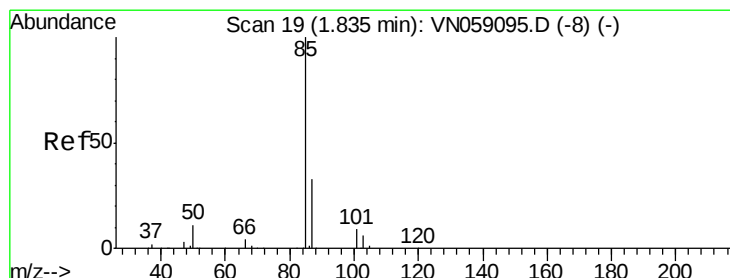
7.60

7.70

7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 90.451 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059096.D

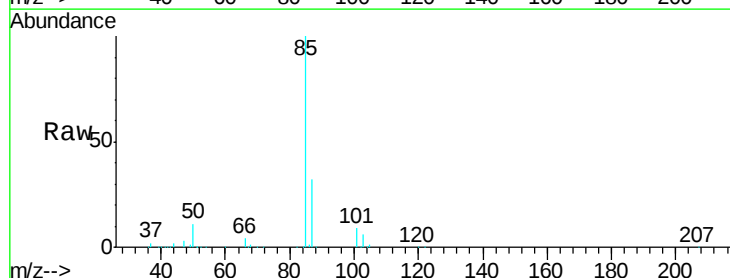
Acq: 6 Nov 2019 10:23

Tgt Ion: 85 Resp: 533821

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

400000

300000

200000

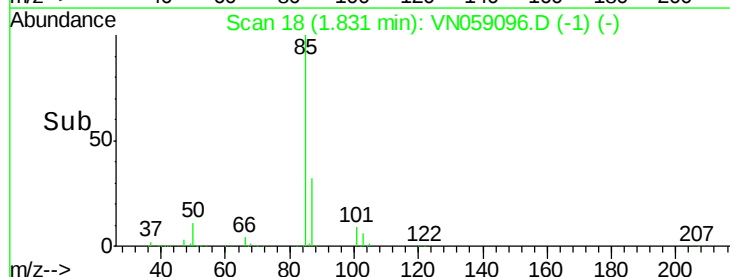
100000

0

1.80

1.90

2.00



Time-->



#3

Chloromethane

Concen: 87.646 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 700813

Ion Ratio Lower Upper

50 100

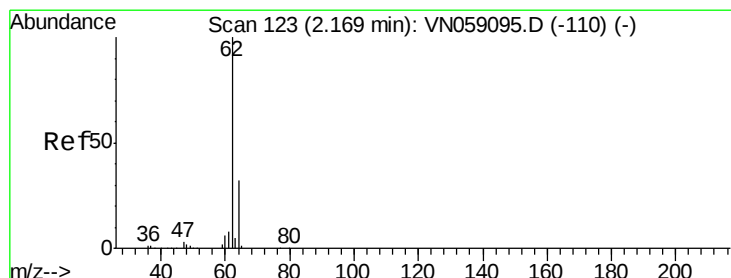
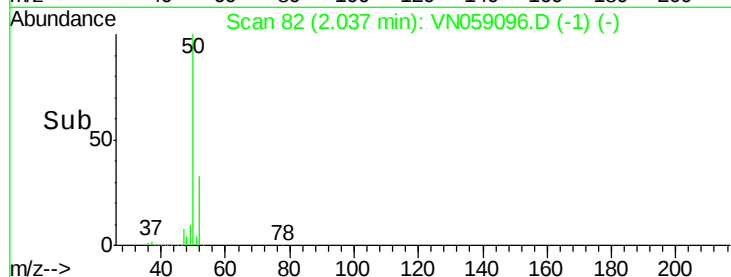
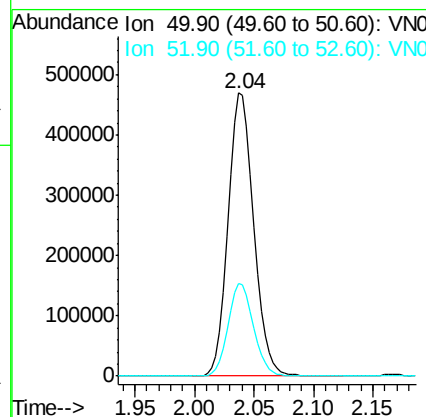
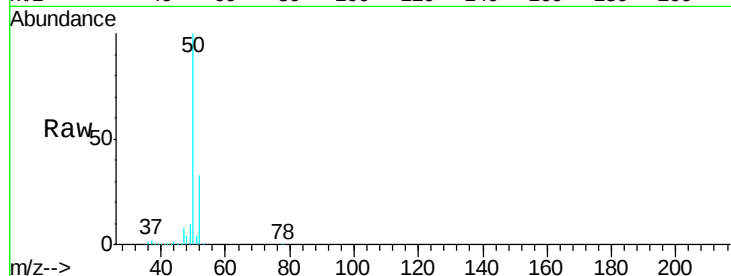
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 90.329 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059096.D

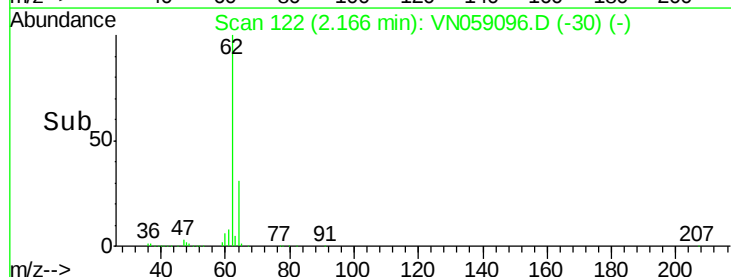
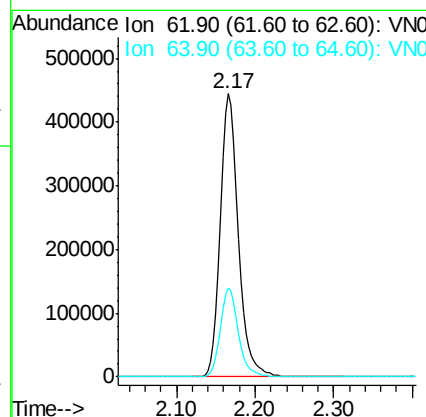
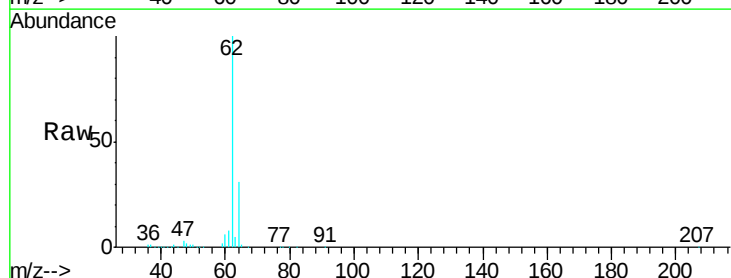
Acq: 6 Nov 2019 10:23

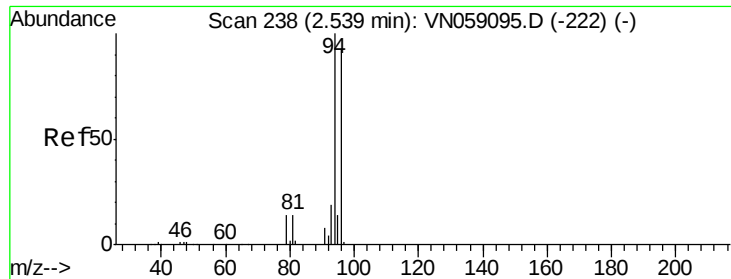
Tgt Ion: 62 Resp: 702005

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 86.652 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 396595

Ion Ratio Lower Upper

94 100

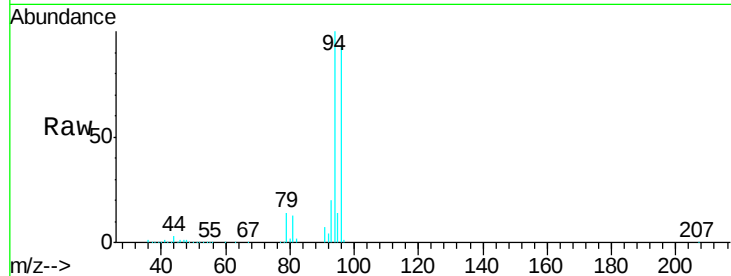
96 93.0 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

200000

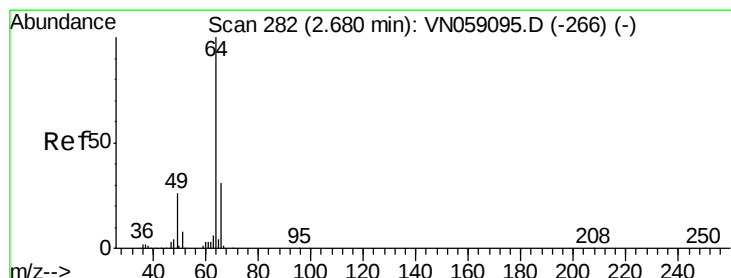
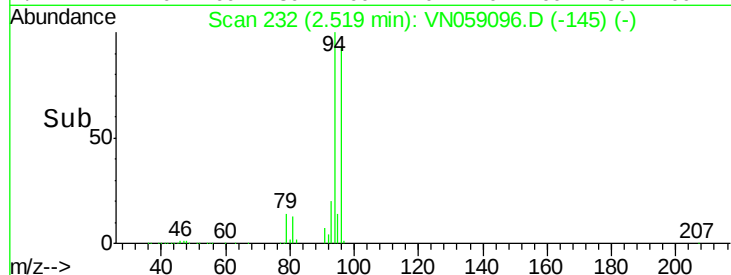
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 85.100 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059096.D

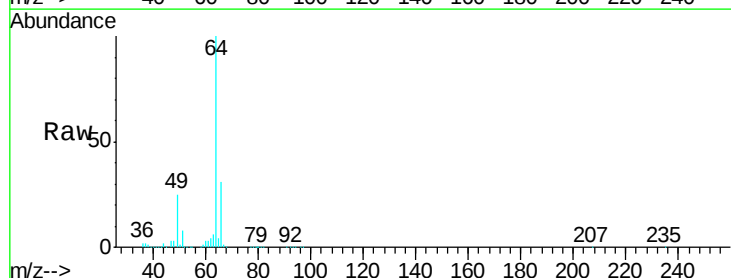
Acq: 6 Nov 2019 10:23

Tgt Ion: 64 Resp: 405023

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

200000

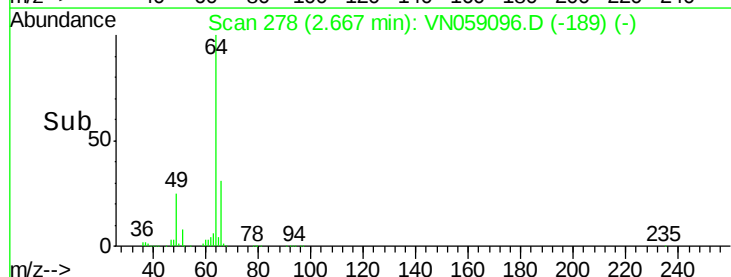
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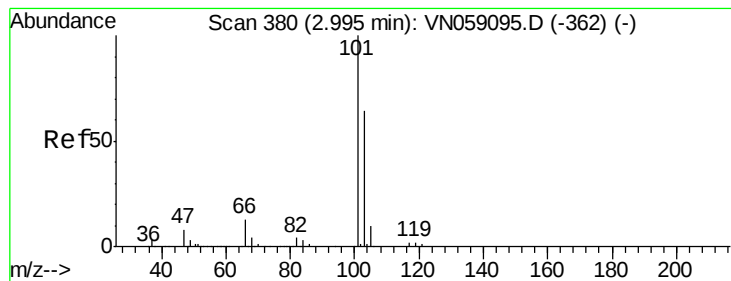
100000

50000

0

Time-->





#7

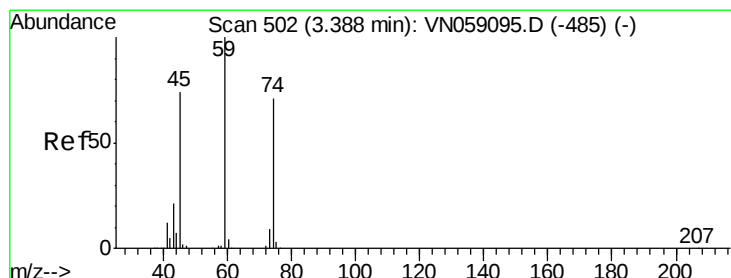
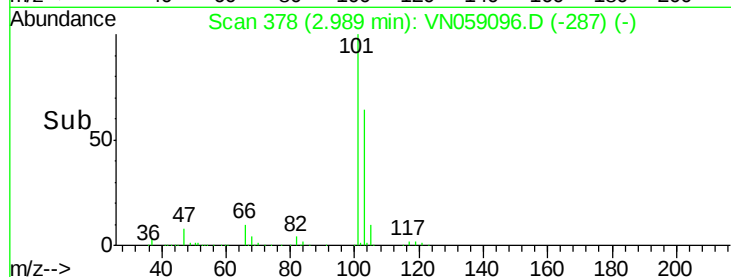
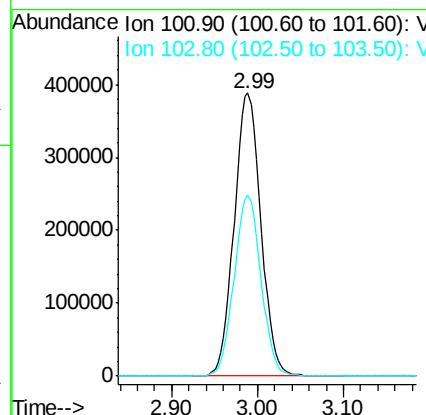
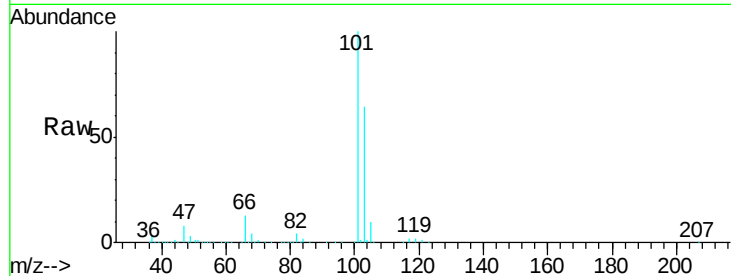
Trichlorofluoromethane
 Concen: 90.555 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

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 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.2	76.8

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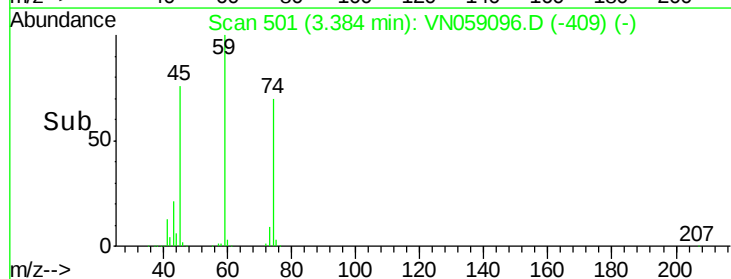
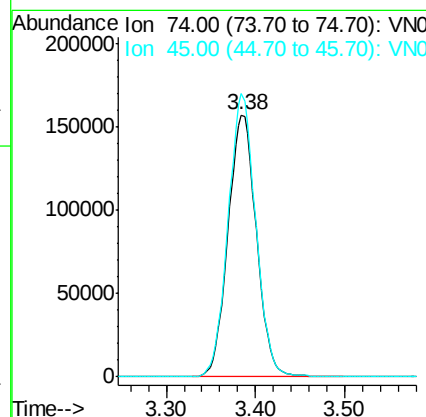
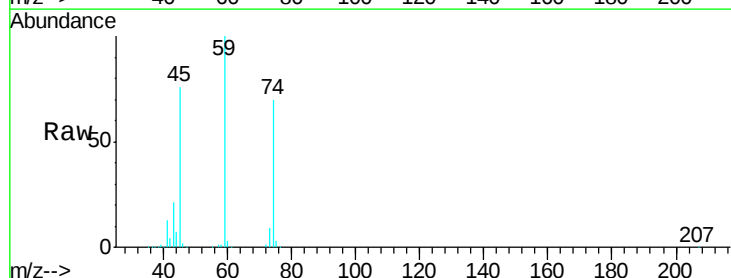
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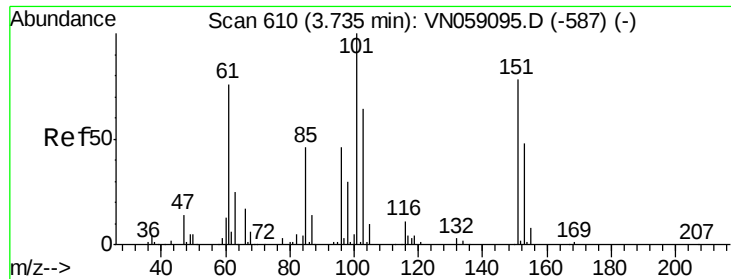


#8

Diethyl Ether
 Concen: 95.568 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.809 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

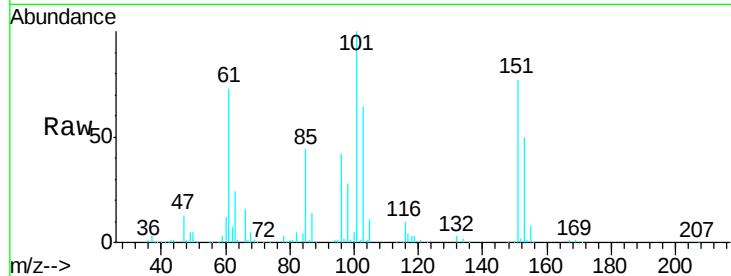
ClientSampled :

VSTDIC100

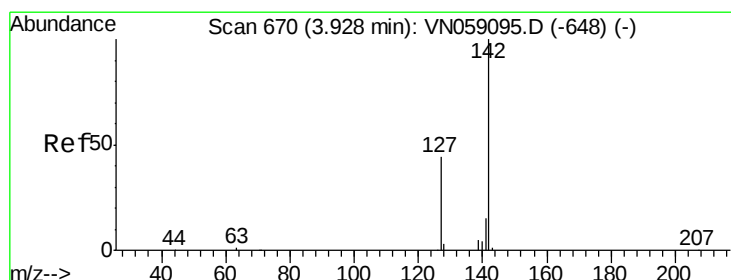
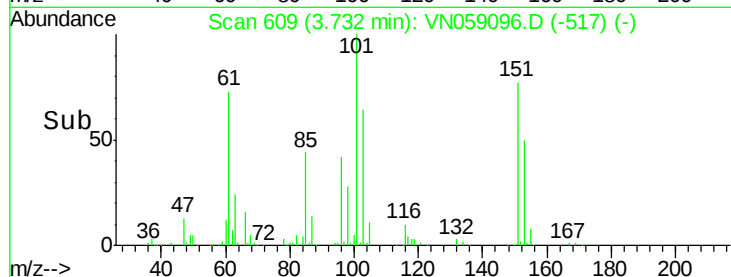
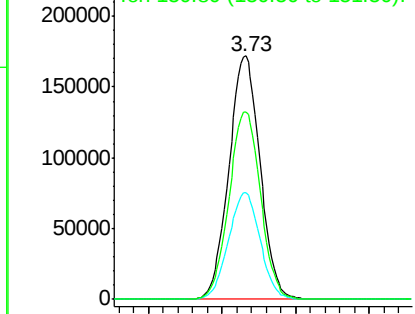
Tgt Ion:	101	Resp:	506989
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.5	53.3
151	77.9	62.2	93.2

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11/7/2019 9:16:15 AM



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



#10

Methyl Iodide

Concen: 103.068 ug/l

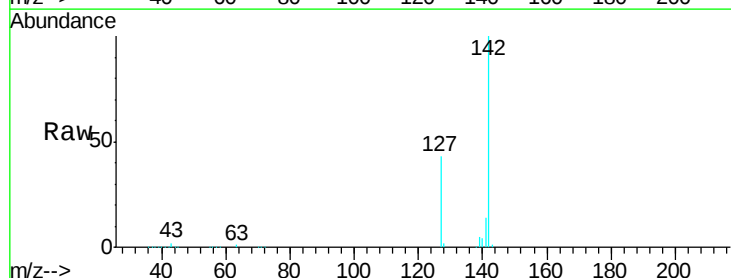
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

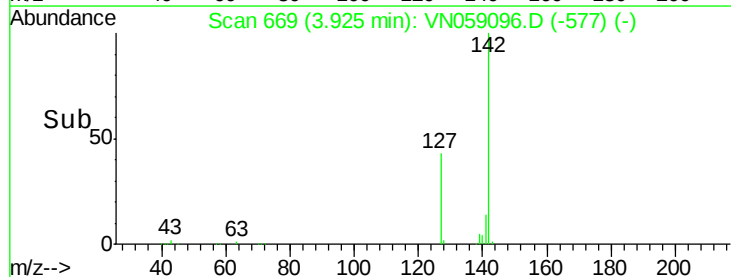
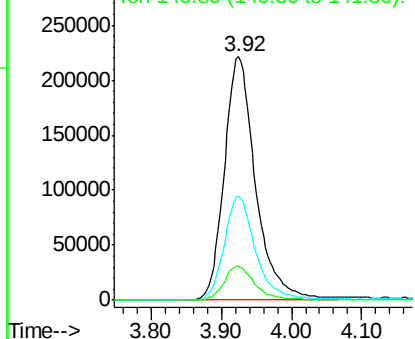
Lab File: VN059096.D

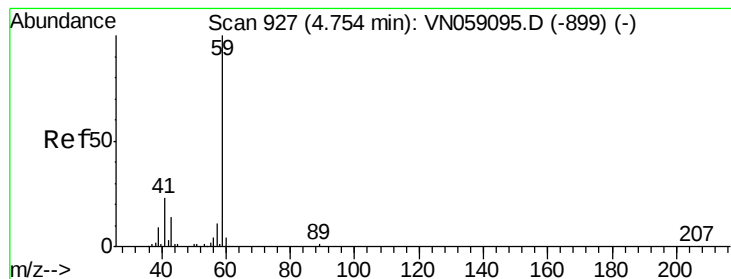
Acq: 6 Nov 2019 10:23

Tgt Ion:	142	Resp:	687460
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.2
141	13.9	11.4	17.0



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





#11

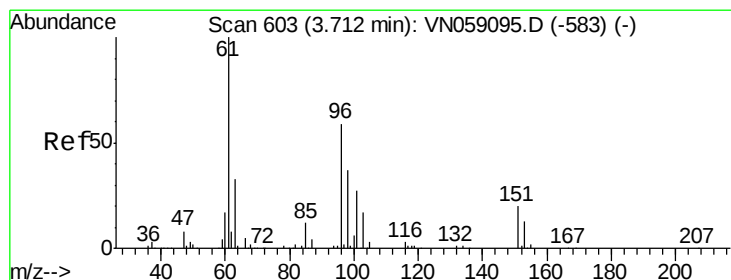
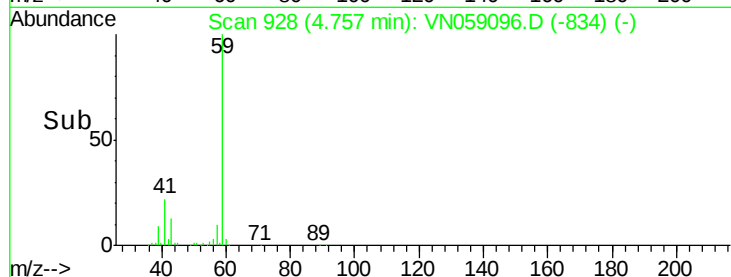
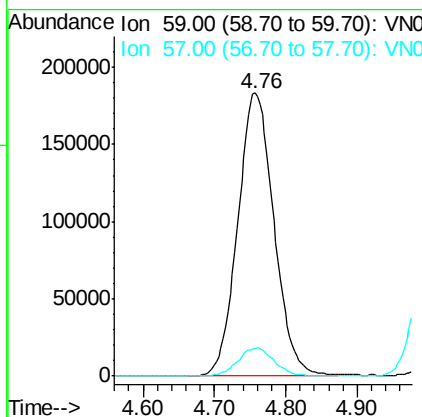
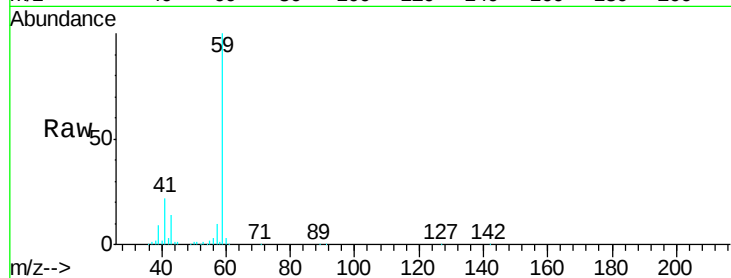
Tert butyl alcohol
Concen: 483.076 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

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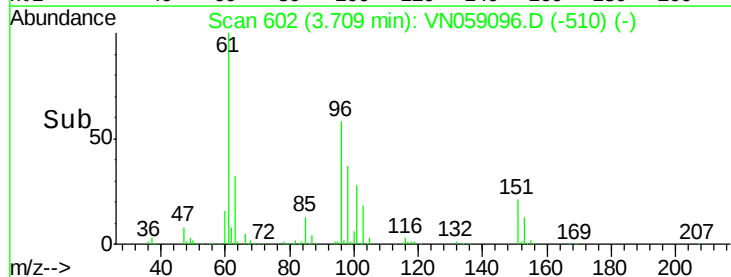
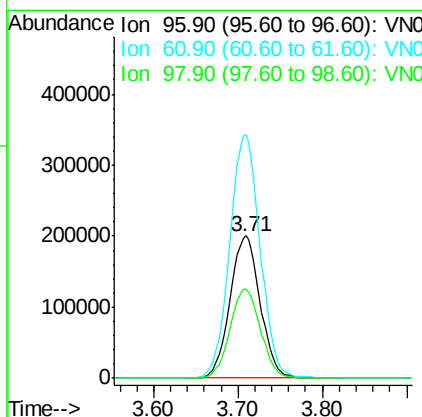
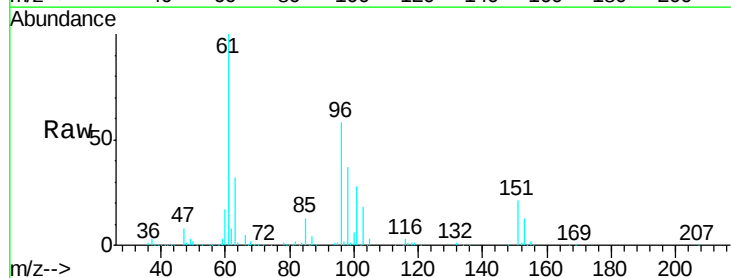
MMDadoda
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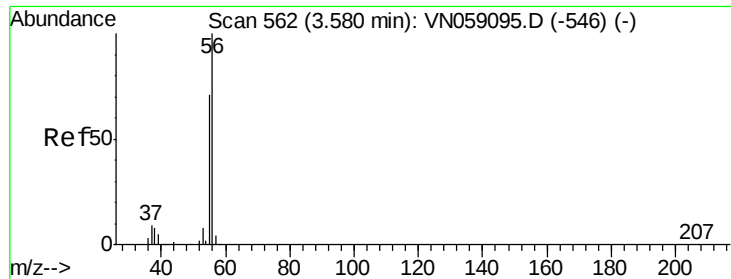


#12

1,1-Dichloroethene
Concen: 91.720 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	136.5	204.7
98	62.5	50.2	75.4





#13

Acrolein

Concen: 384.954 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 311052

Ion Ratio Lower Upper

56 100

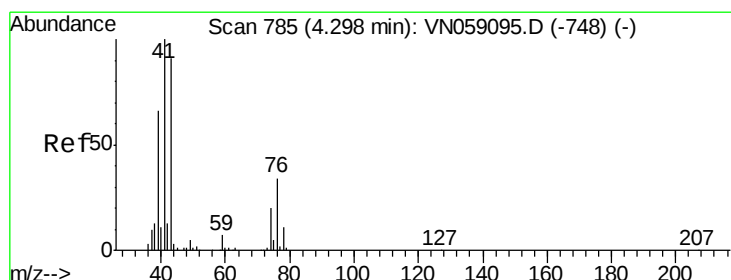
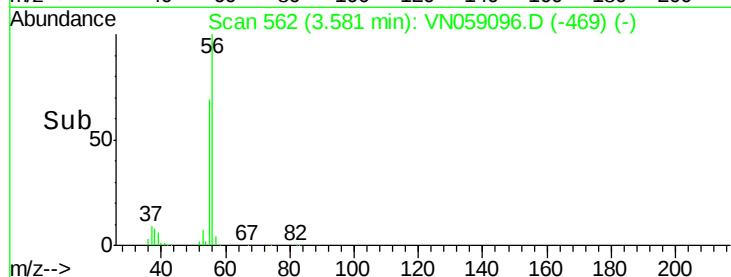
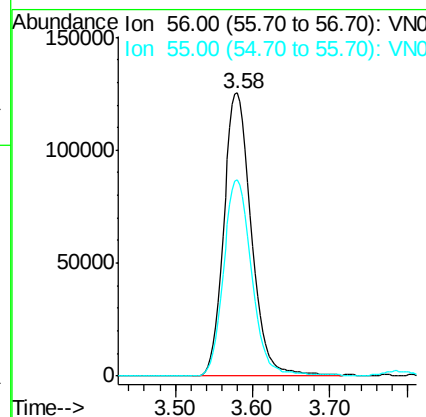
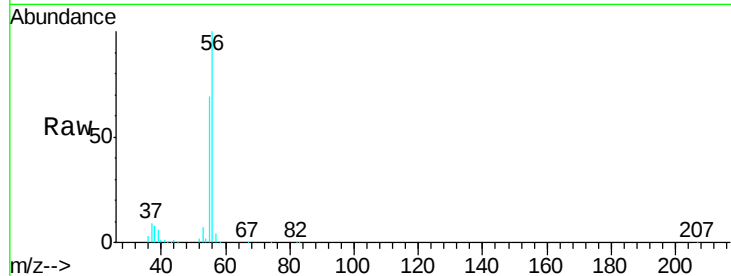
55 70.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 95.816 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

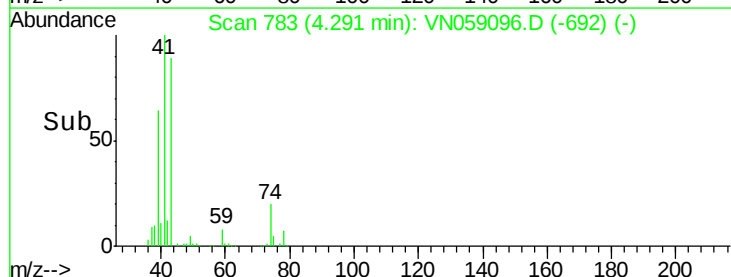
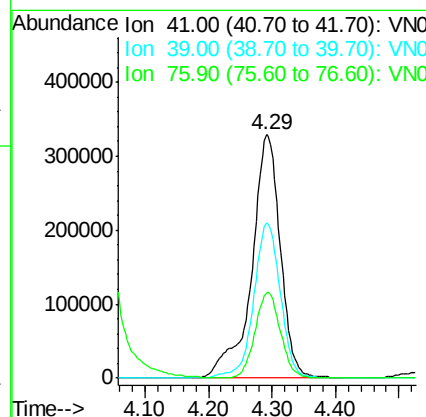
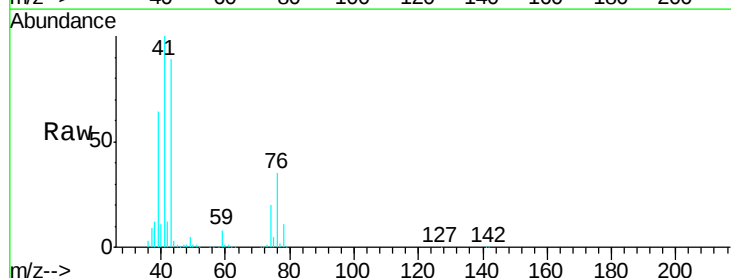
Tgt Ion: 41 Resp: 1030714

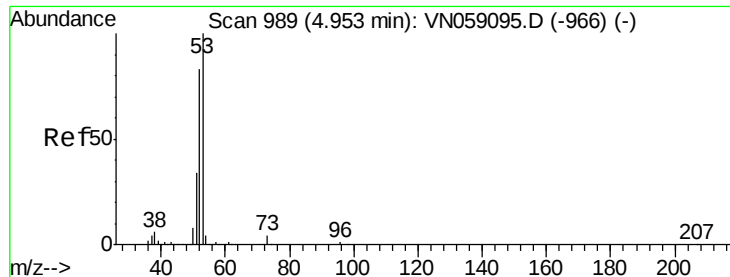
Ion Ratio Lower Upper

41 100

39 59.5 49.1 73.7

76 30.7 24.9 37.3





#15

Acrylonitrile

Concen: 493.644 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1667021

Ion Ratio Lower Upper

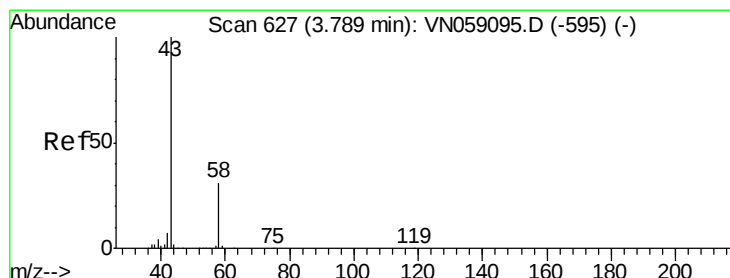
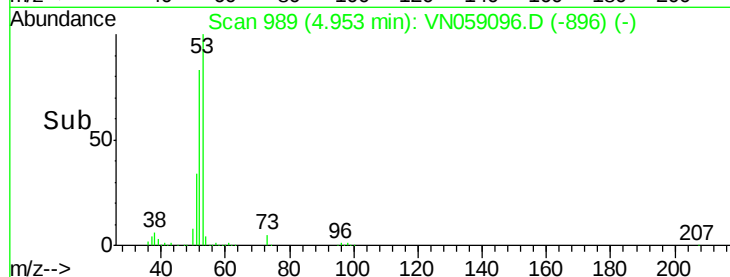
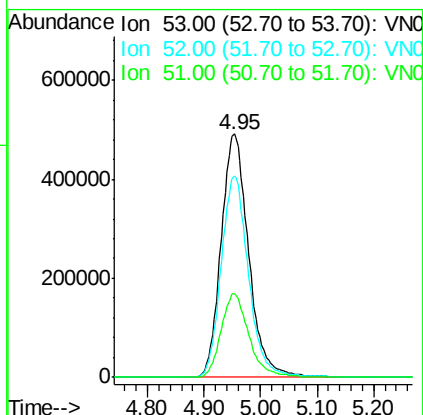
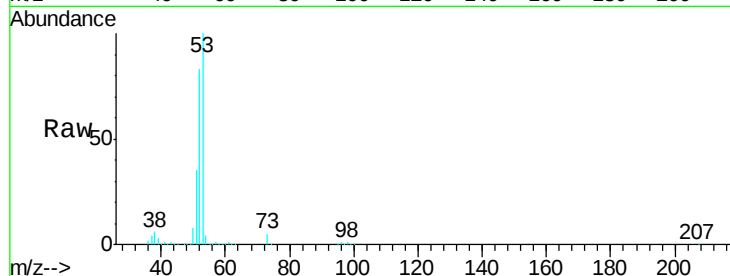
53 100

52 82.2 65.0 97.6

51 34.9 28.0 42.0

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#16

Acetone

Concen: 493.035 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059096.D

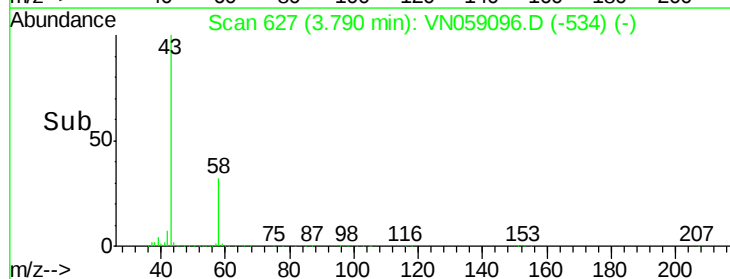
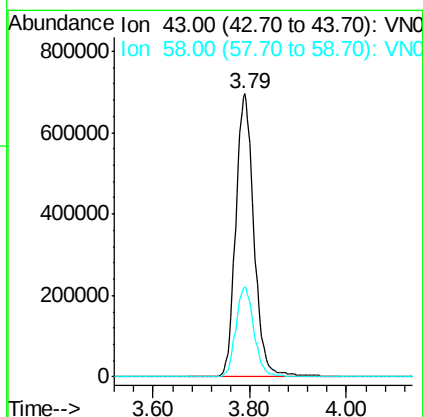
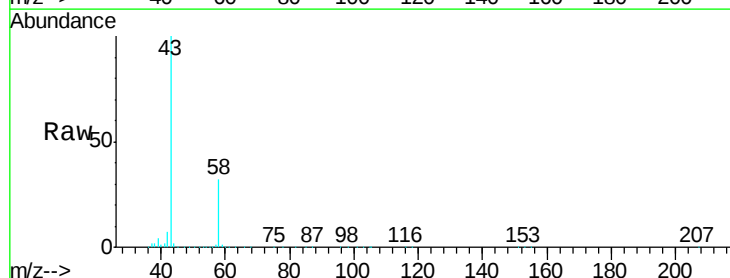
Acq: 6 Nov 2019 10:23

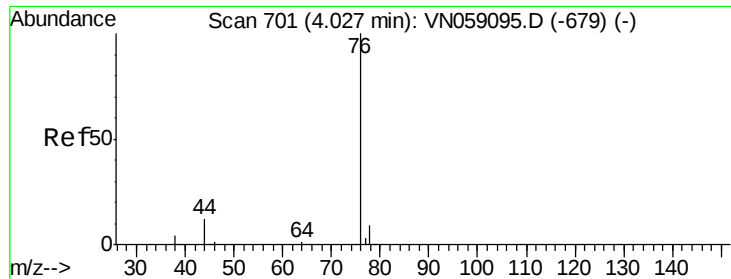
Tgt Ion: 43 Resp: 1825677

Ion Ratio Lower Upper

43 100

58 32.0 24.9 37.3





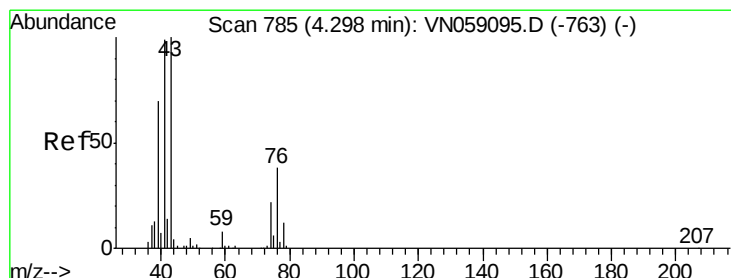
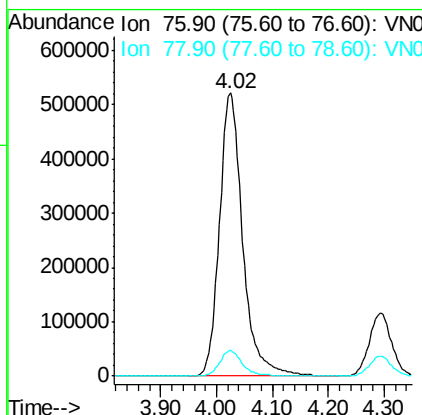
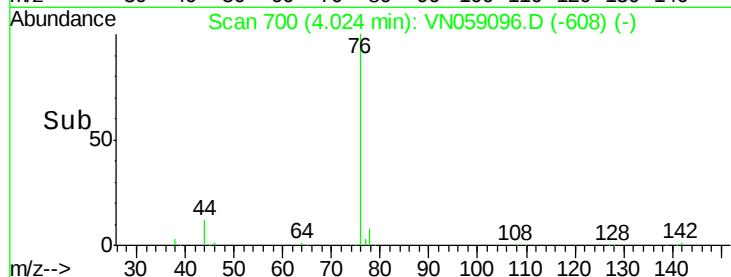
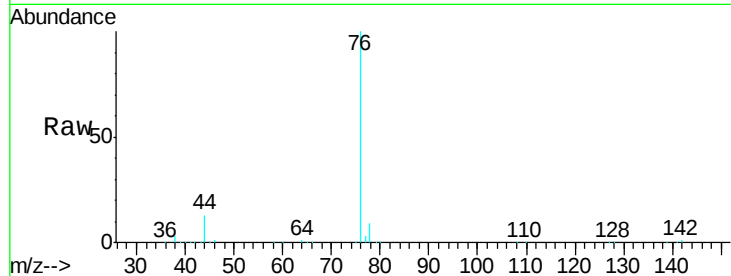
#17
Carbon Disulfide
Concen: 88.098 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1509037
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

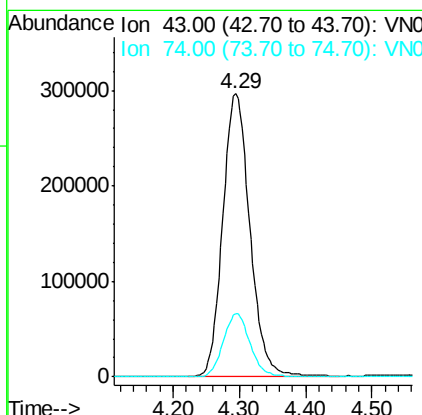
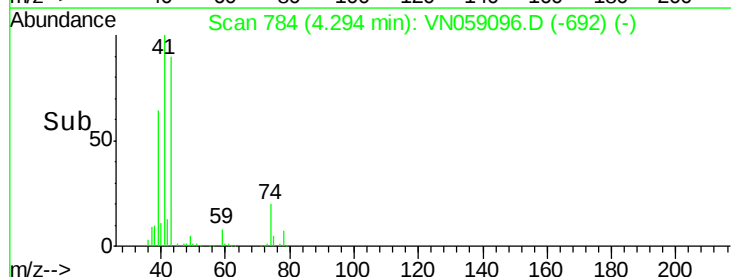
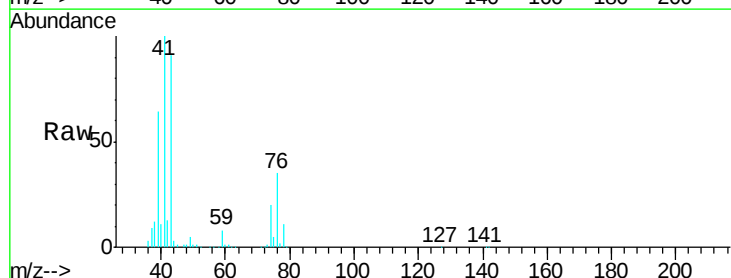
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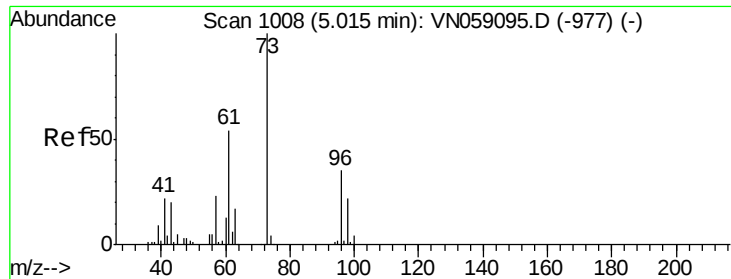
MMDadoda
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#18
Methyl Acetate
Concen: 89.890 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 838374
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 96.236 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 73 Resp: 1781964

Ion Ratio Lower Upper

73 100

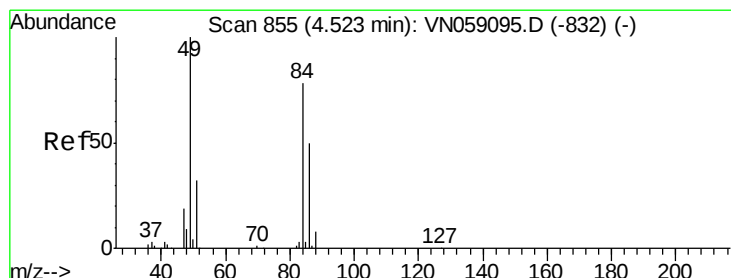
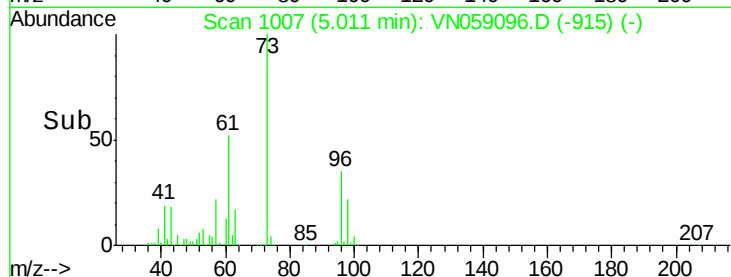
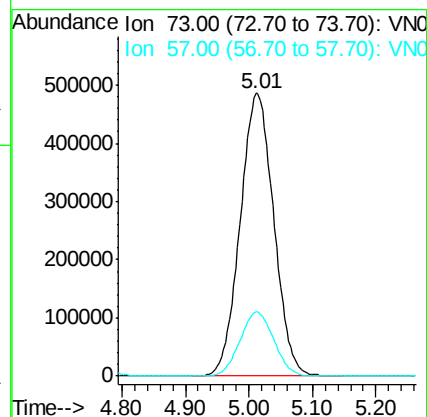
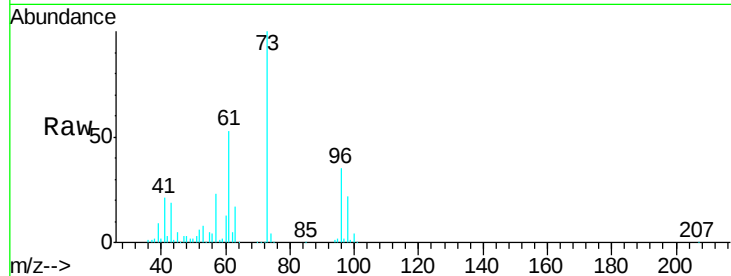
57 22.9 18.4 27.6

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#20

Methylene Chloride

Concen: 90.629 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 84 Resp: 583917

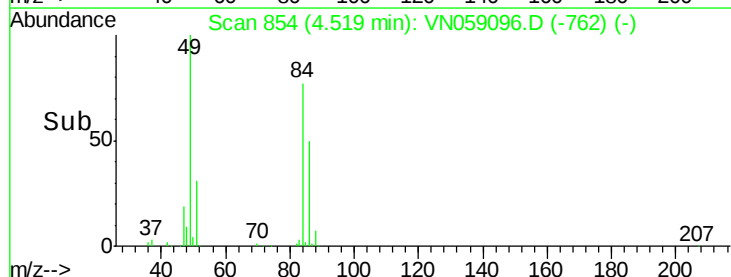
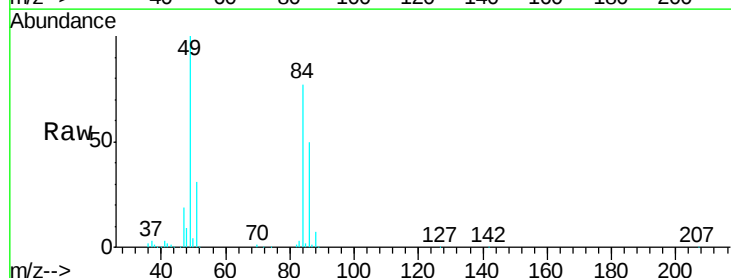
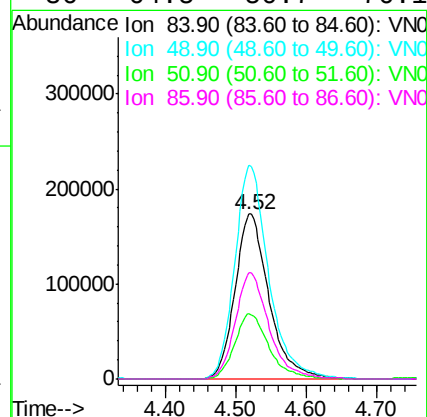
Ion Ratio Lower Upper

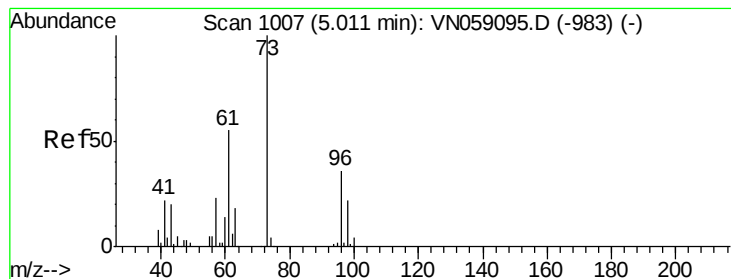
84 100

49 129.6 102.0 153.0

51 39.8 32.2 48.2

86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 93.592 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

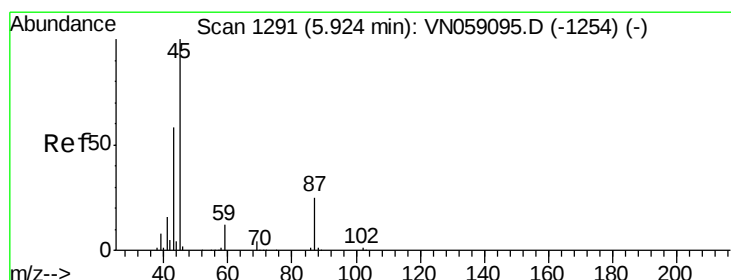
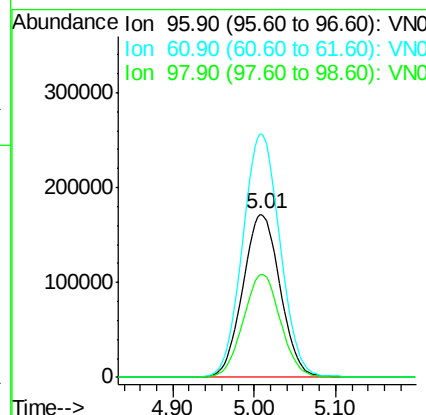
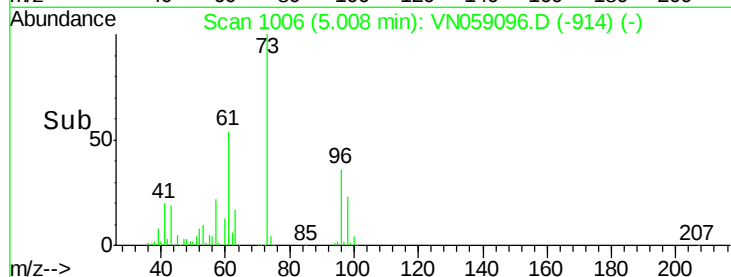
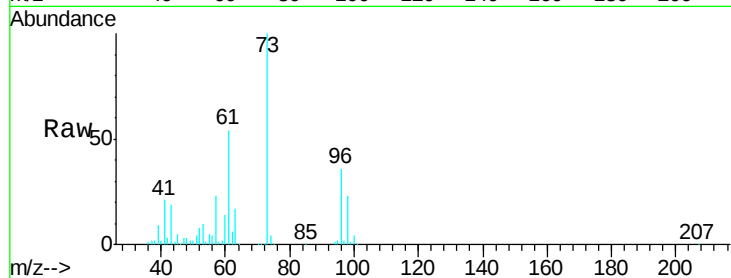
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	544810
Ion	Ratio	Lower	Upper
96	100		
61	149.1	122.6	183.8
98	63.2	50.3	75.5

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#22

Diisopropyl ether

Concen: 97.591 ug/l

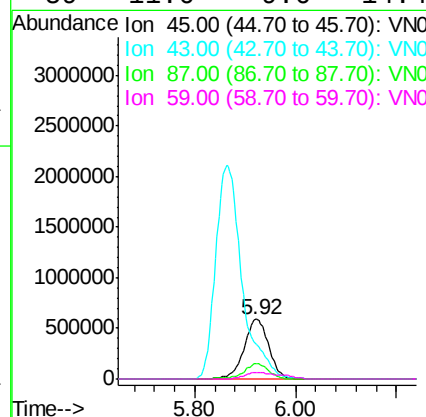
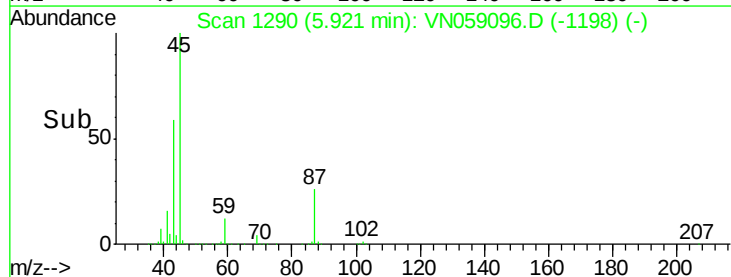
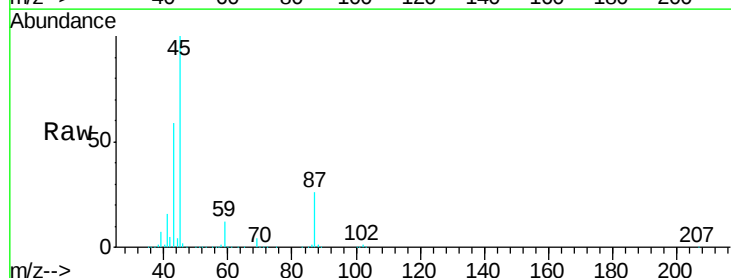
RT: 5.92 min Scan# 1290

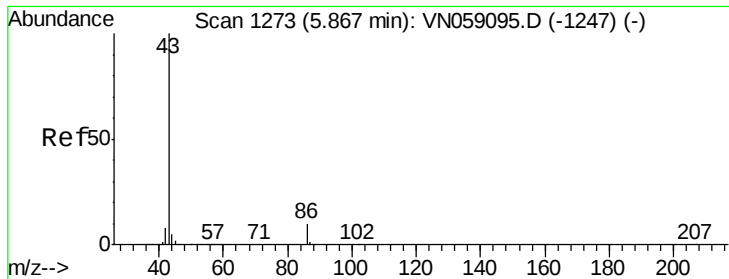
Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:	45	Resp:	2001323
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.7	70.1
87	25.8	20.5	30.7
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 472.067 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 7691475

Ion Ratio Lower Upper

43 100

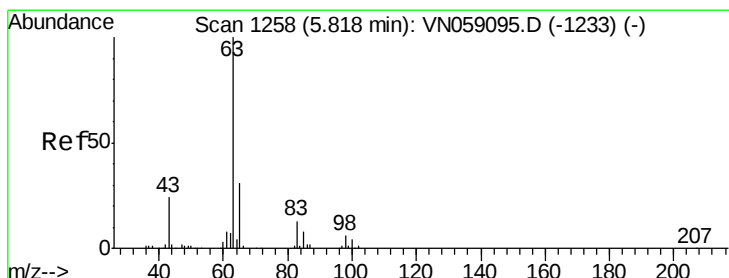
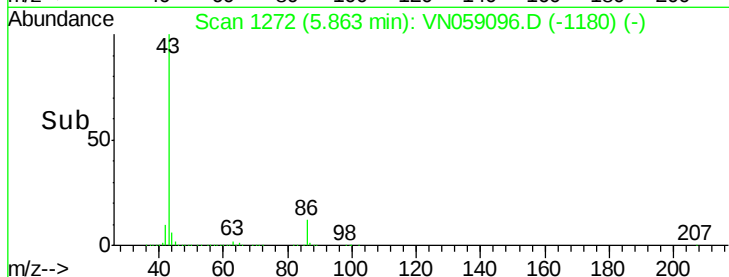
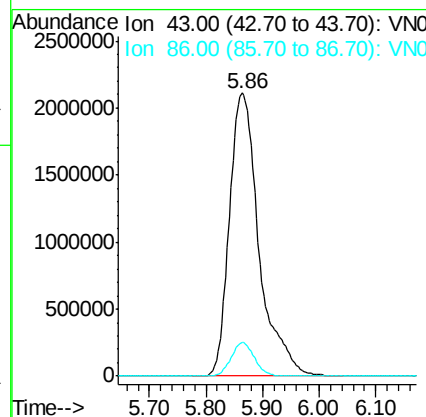
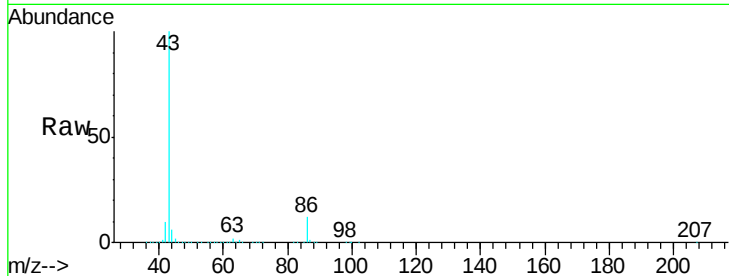
86 11.7 7.7 11.5#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 91.887 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

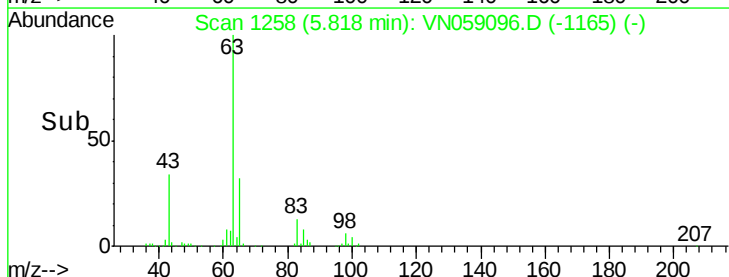
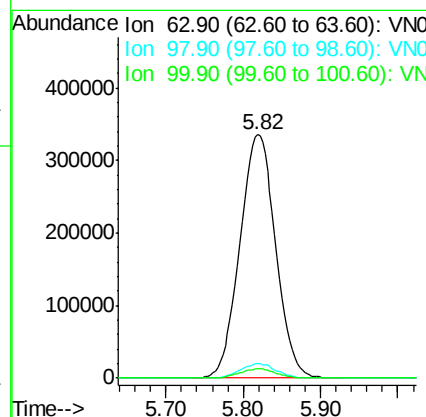
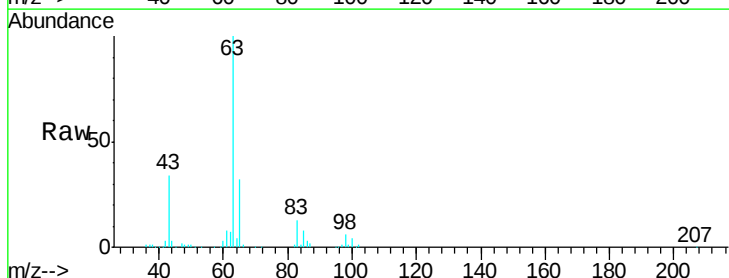
Tgt Ion: 63 Resp: 1078155

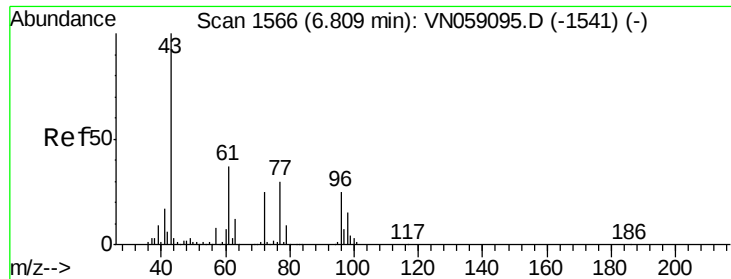
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 1.9 5.7





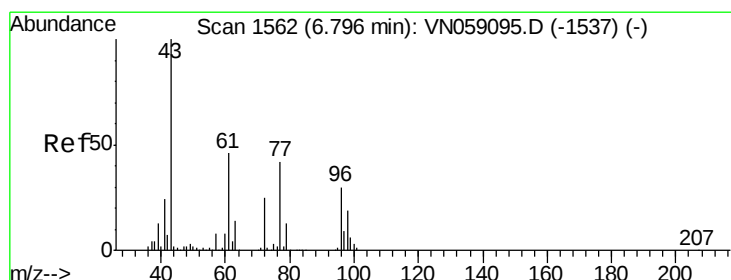
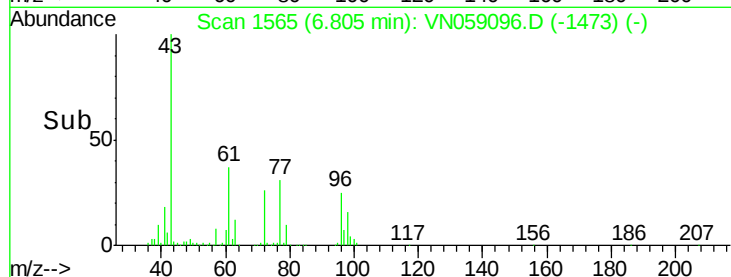
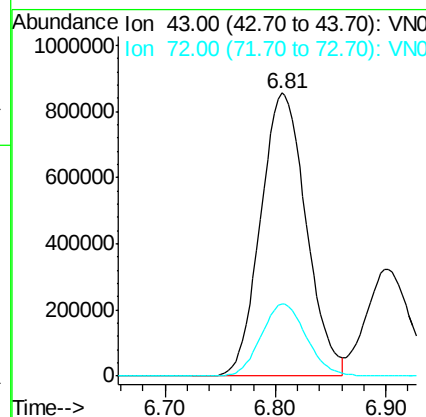
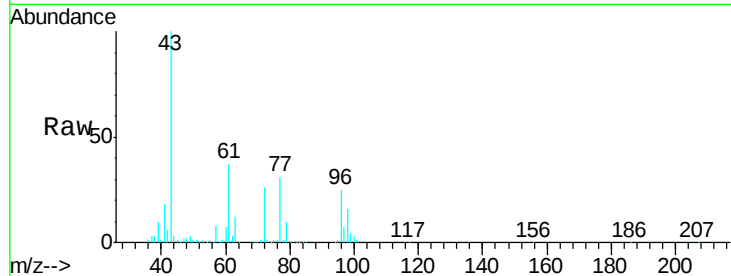
#25
2-Butanone
Concen: 499.313 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 2445085
Ion Ratio Lower Upper
43 100
72 25.6 20.3 30.5

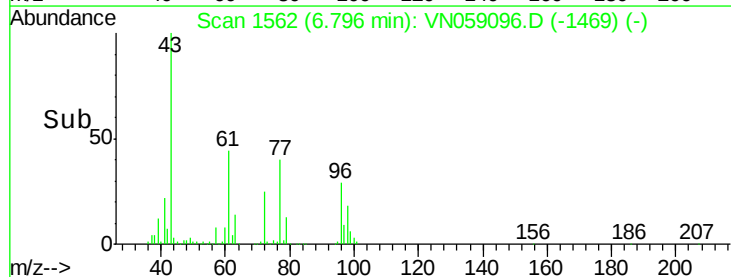
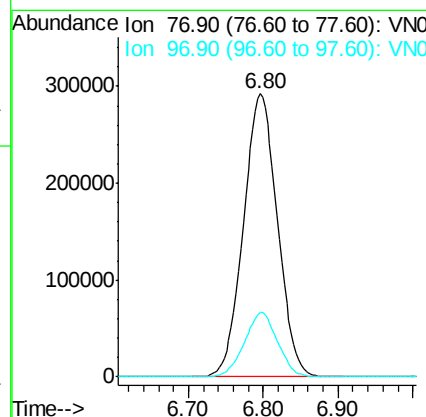
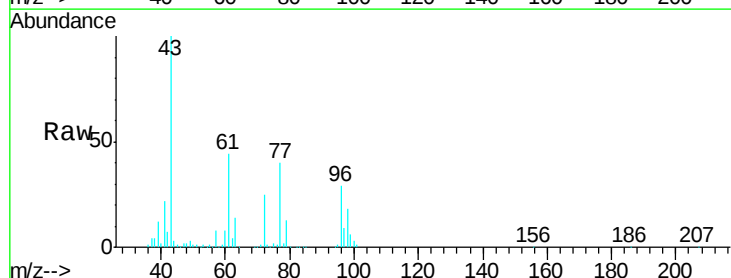
Manual Integrations
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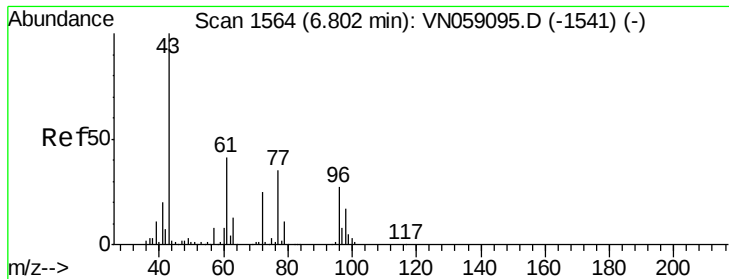
MMDadoda
11/7/2019 9:16:15 AM



#26
2,2-Dichloropropane
Concen: 90.686 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 77 Resp: 922096
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 96.009 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

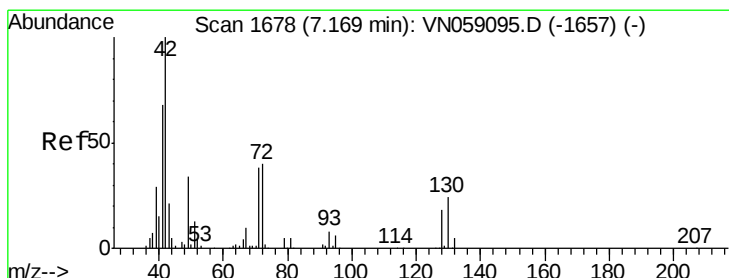
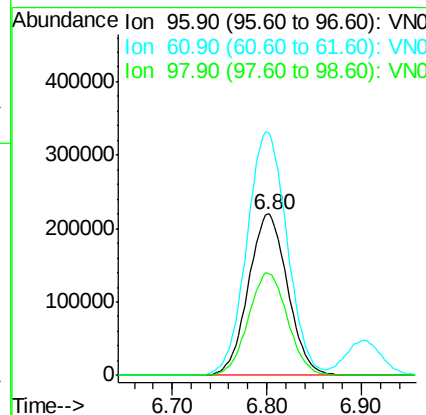
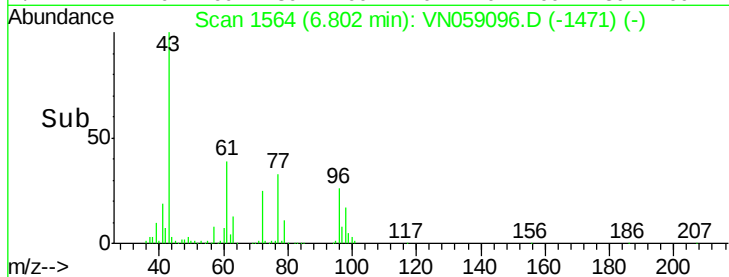
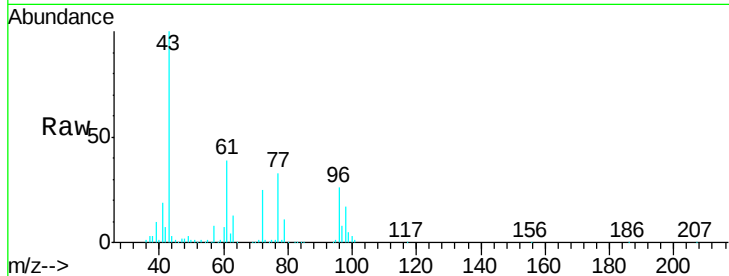
ClientSampled :

VSTDIC100

Tgt Ion:	96	Resp:	631669
Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	311.6
98	63.9	0.0	129.8

Manual Integrations
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11/7/2019 9:16:15 AM



#28

Bromochloromethane

Concen: 83.875 ug/l

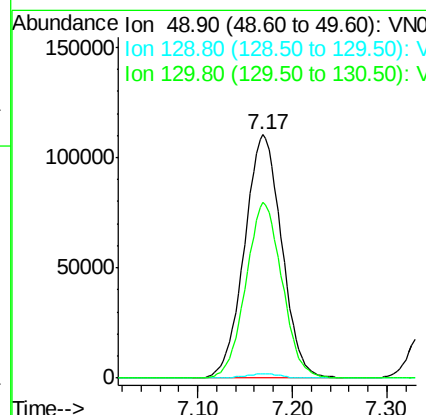
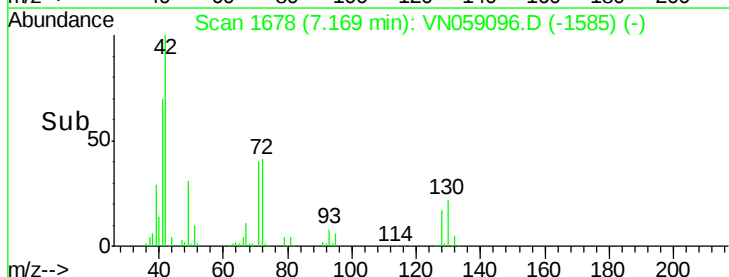
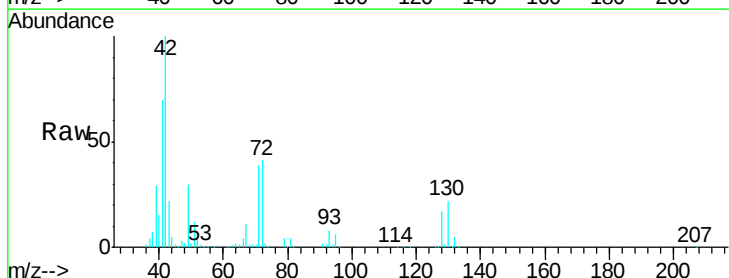
RT: 7.17 min Scan# 1678

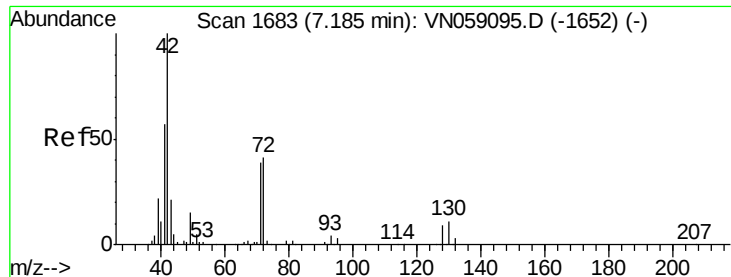
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:	49	Resp:	301695
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	70.1	55.6	83.4





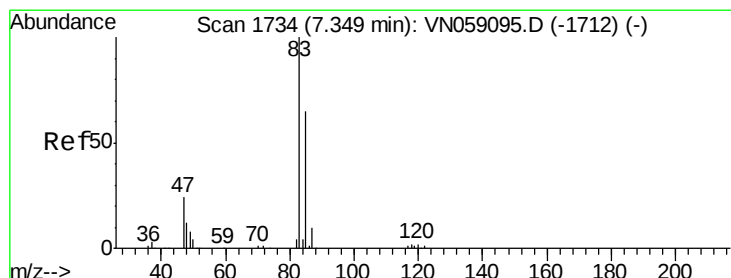
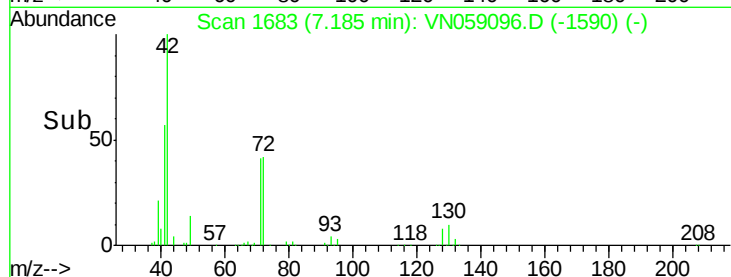
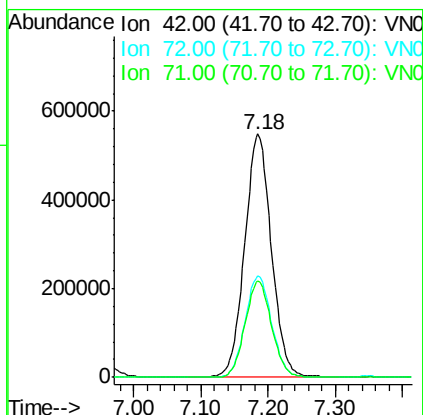
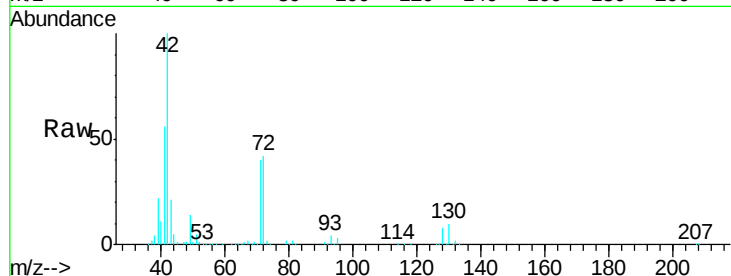
#29
Tetrahydrofuran
Concen: 489.610 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 1511820
Ion Ratio Lower Upper
42 100
72 41.4 33.1 49.7
71 39.3 30.9 46.3

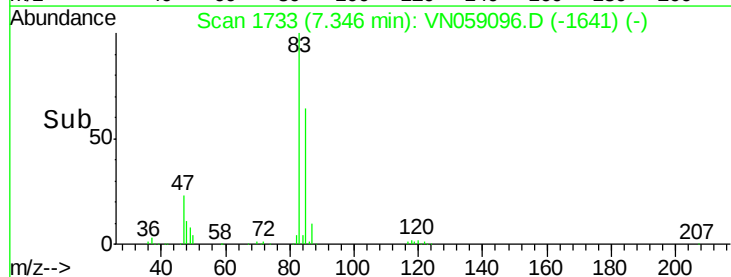
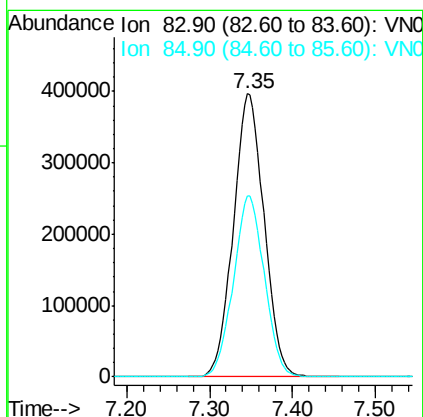
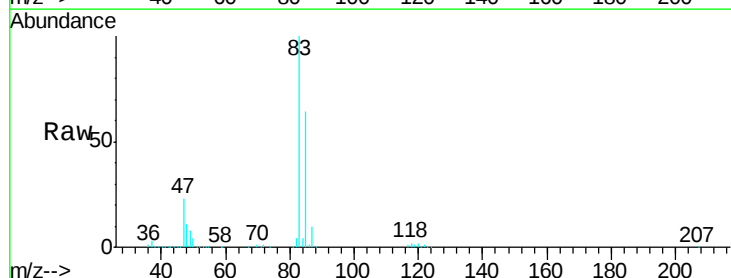
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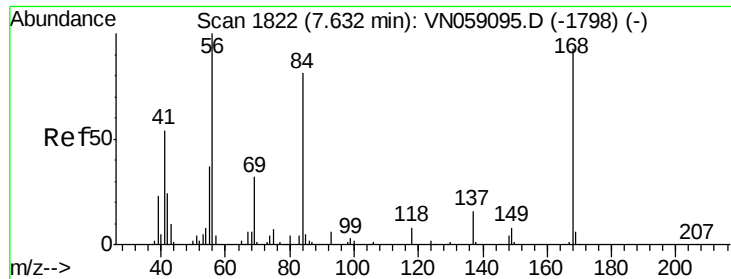
MMDadoda
11/7/2019 9:16:15 AM



#30
Chloroform
Concen: 91.259 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 83 Resp: 1023398
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.8





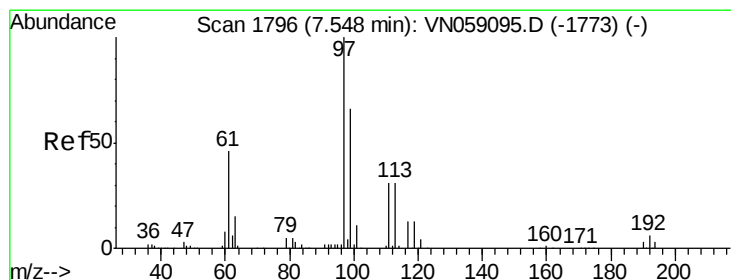
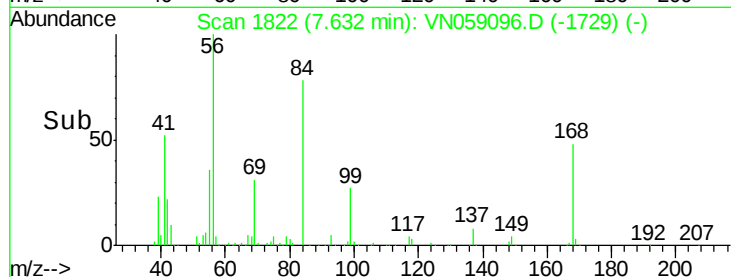
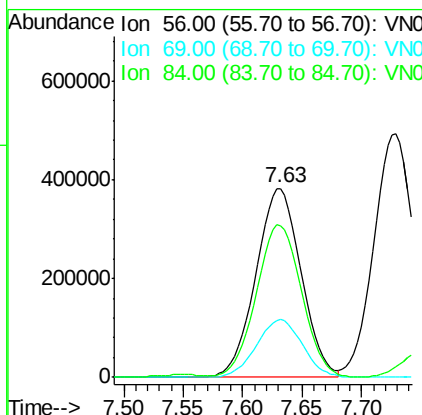
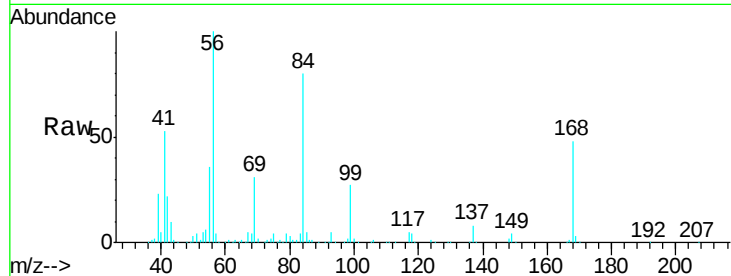
#31
Cyclohexane
Concen: 90.233 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 1005544
Ion Ratio Lower Upper
56 100
69 30.7 25.8 38.8
84 79.1 65.0 97.4

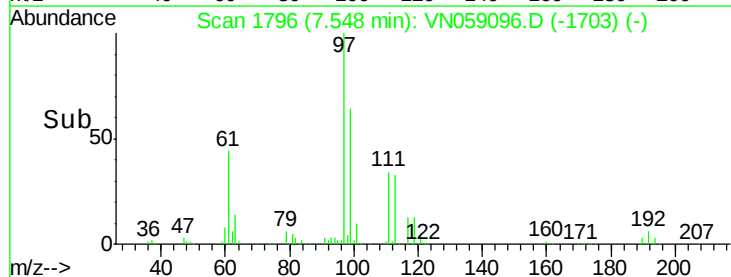
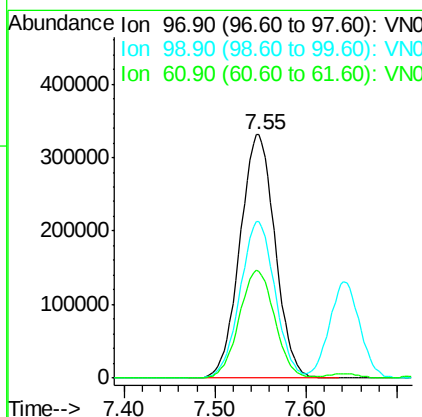
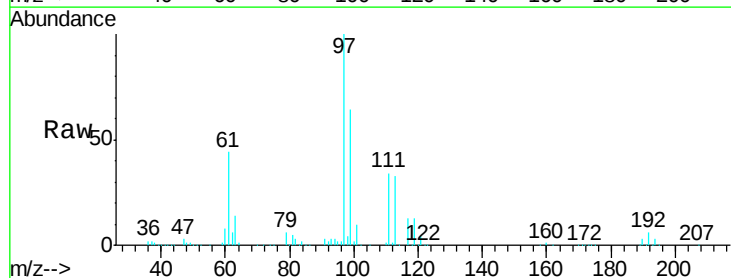
Manual Integrations
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11/7/2019 9:16:15 AM



#32
1,1,1-Trichloroethane
Concen: 93.529 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 97 Resp: 887200
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 44.7 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 93.255 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 664380

Ion Ratio Lower Upper

65 100

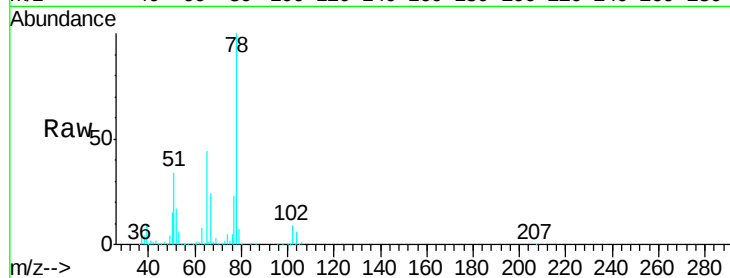
67 54.1 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

8.00

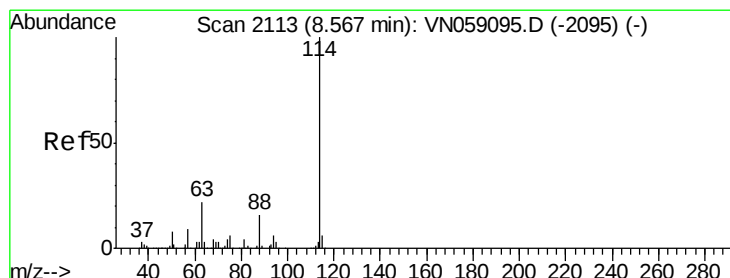
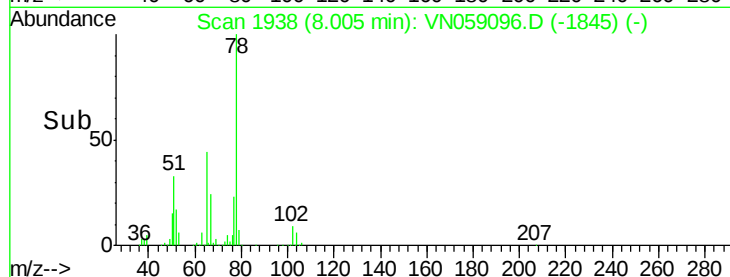
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

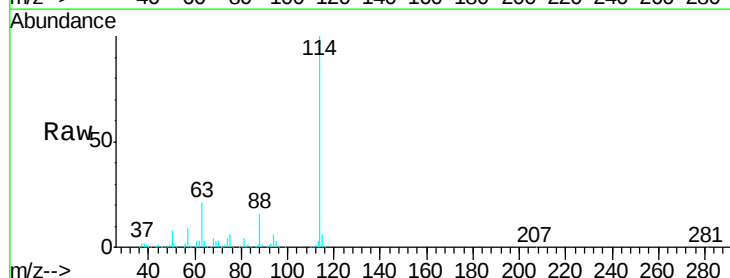
Tgt Ion: 114 Resp: 852726

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

8.57

500000

400000

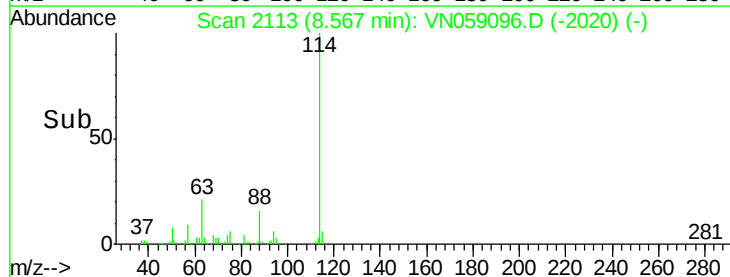
300000

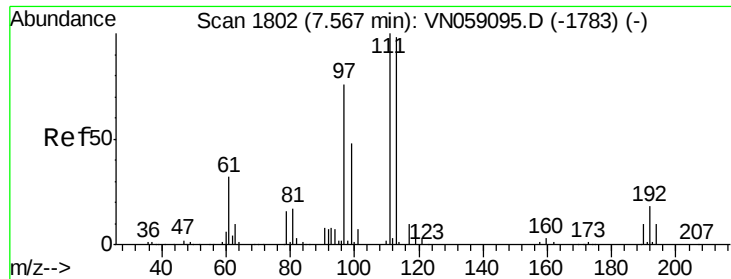
200000

100000

0

Time-->





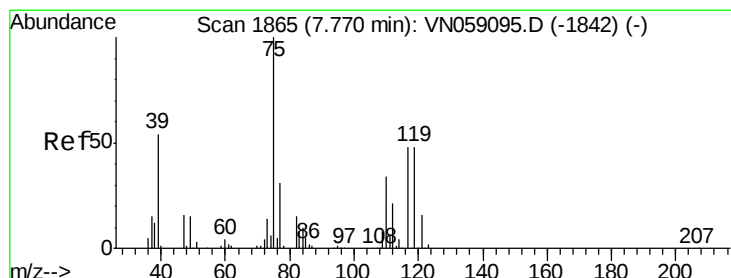
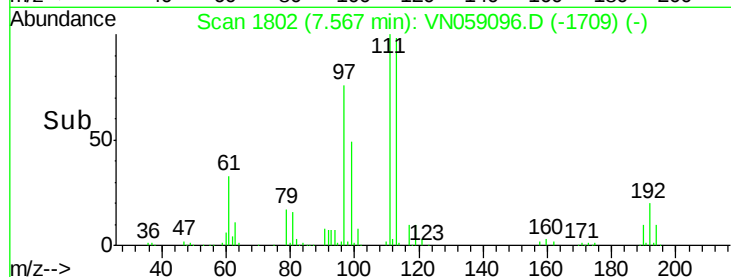
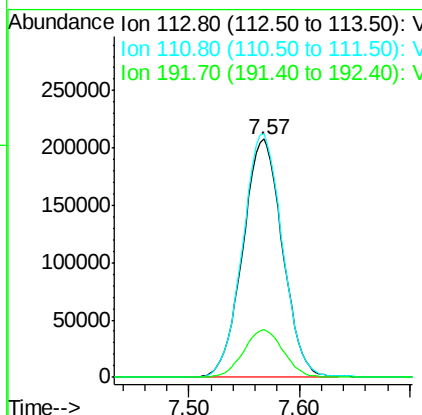
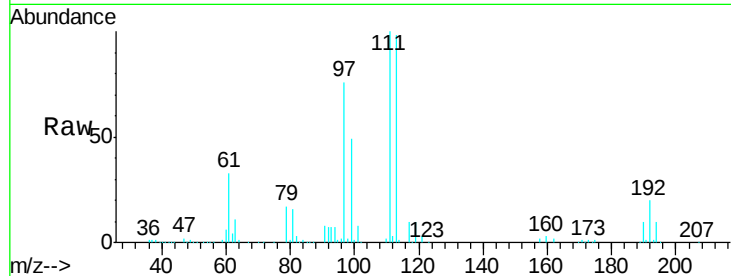
#35
Dibromofluoromethane
Concen: 96.194 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	518495		
111	102.6	82.8	124.2	
192	20.2	16.1	24.1	

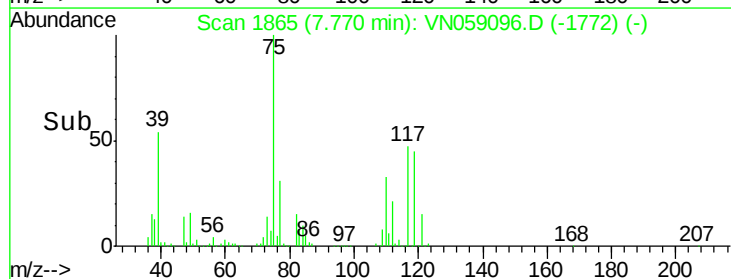
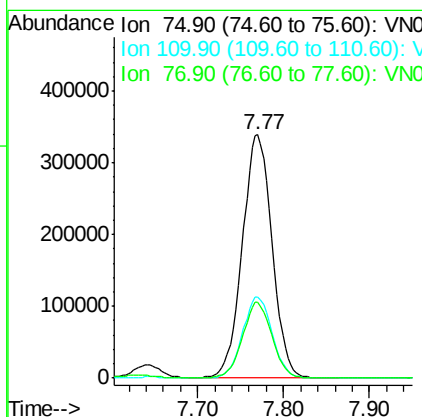
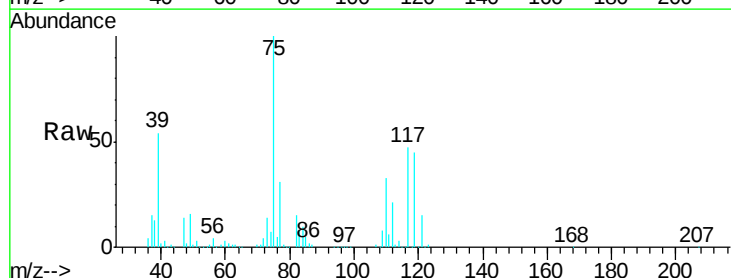
Manual Integrations
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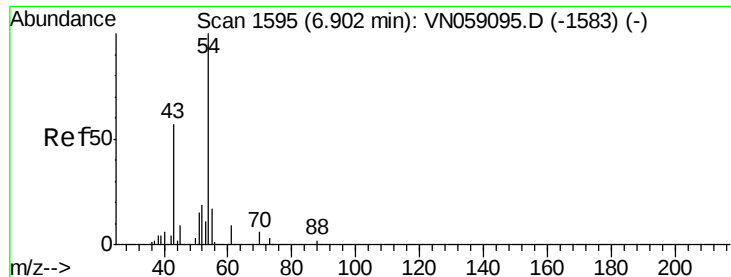
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#36
1,1-Dichloropropene
Concen: 96.601 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	814633		
110	33.2	17.1	51.2	
77	31.1	24.8	37.2	





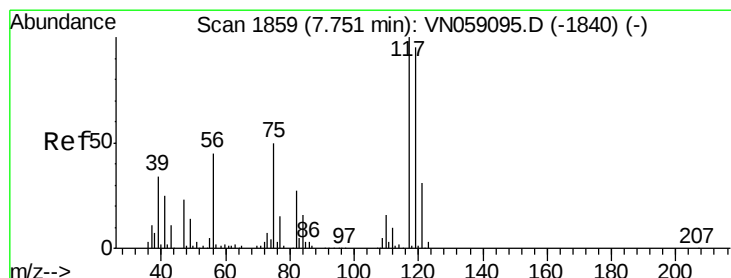
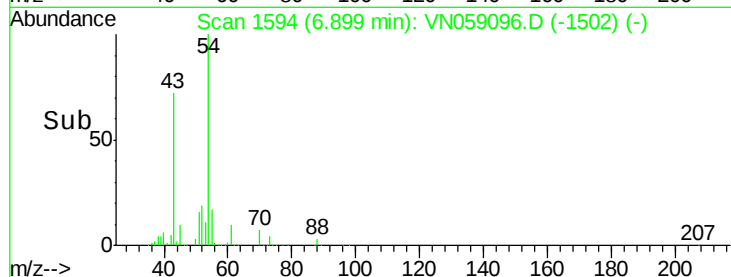
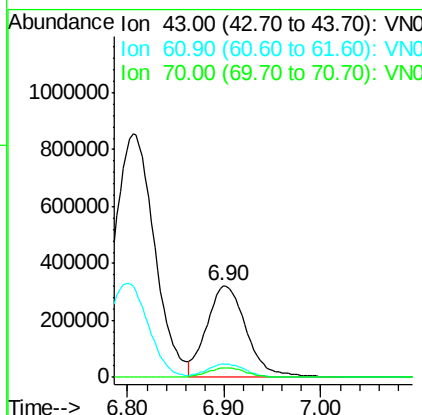
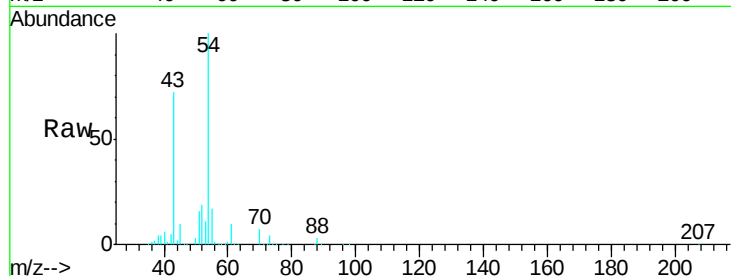
#37
Ethyl Acetate
Concen: 96.422 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.2	7.8	11.8

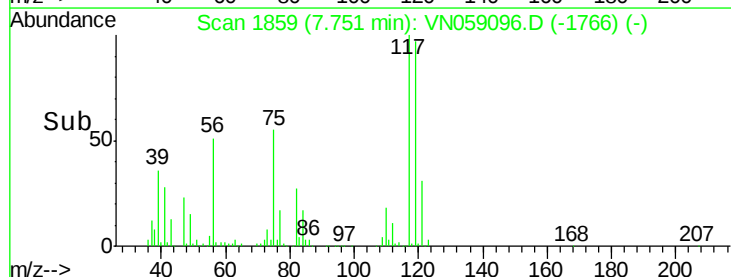
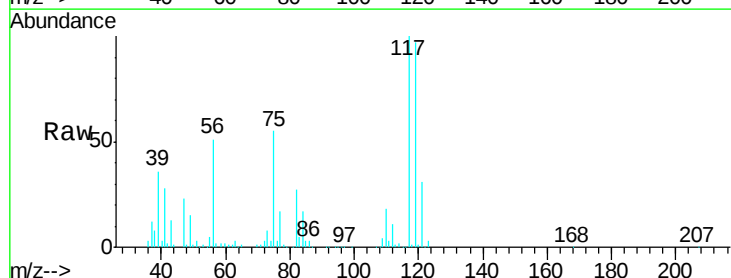
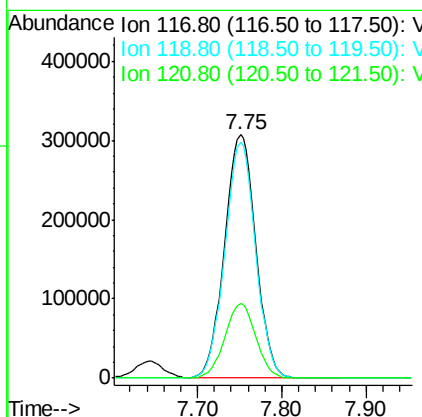
Manual Integrations
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11/7/2019 9:16:15 AM



#38
Carbon Tetrachloride
Concen: 95.937 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.6	113.4
121	30.6	24.6	36.8





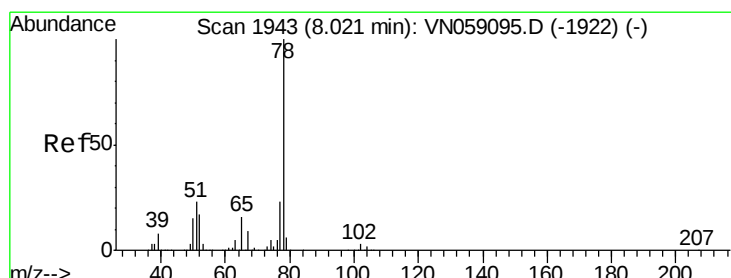
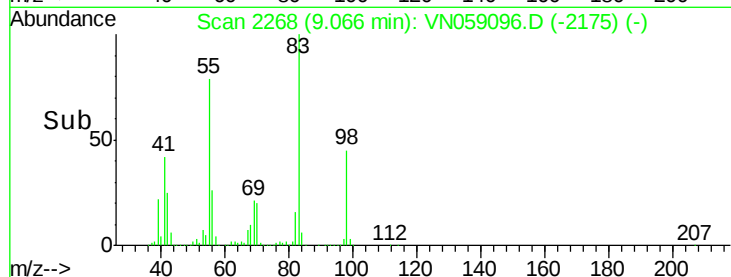
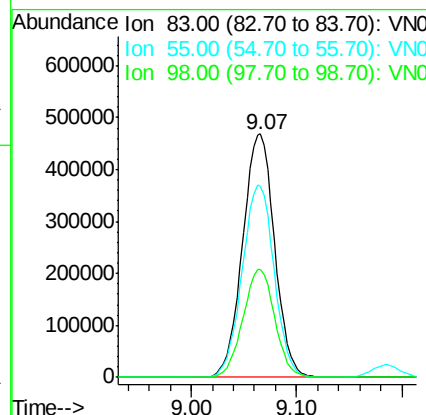
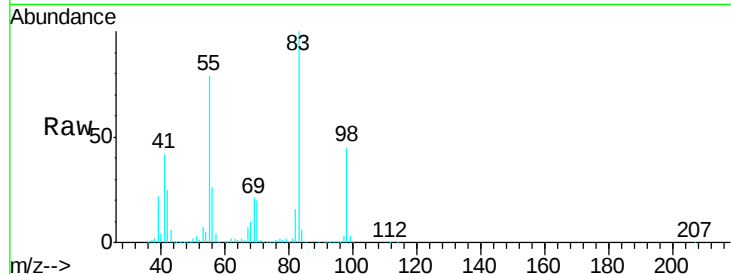
#39
Methylcyclohexane
Concen: 101.354 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.9	95.9
98	44.6	35.6	53.4

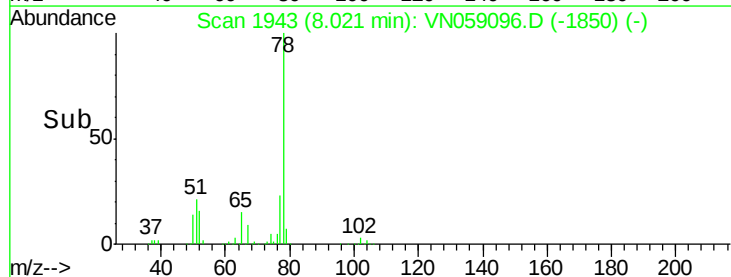
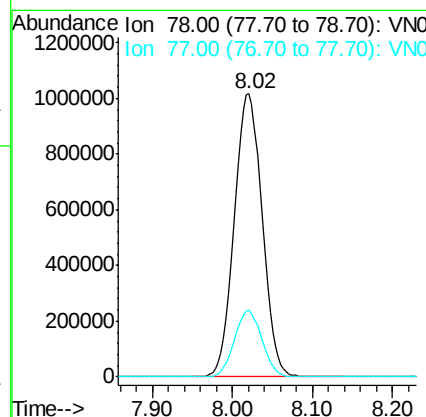
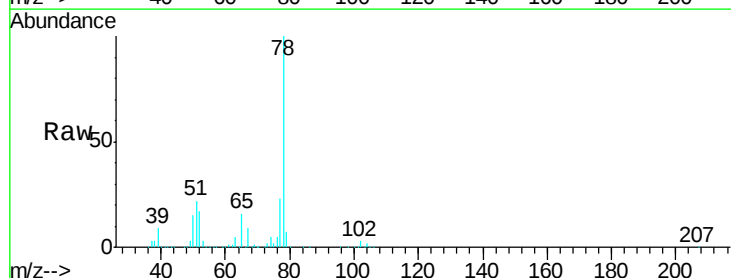
Manual Integrations
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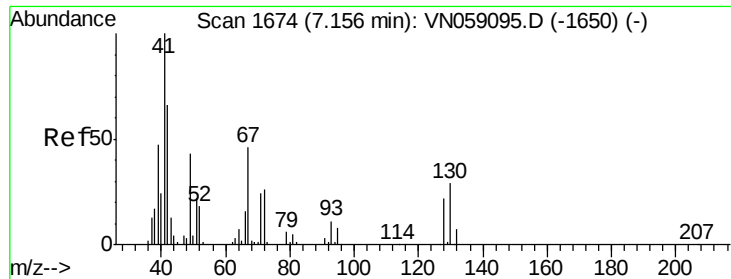
MMDadoda
11/7/2019 9:16:15 AM



#40
Benzene
Concen: 95.536 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 108.865 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 443992

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

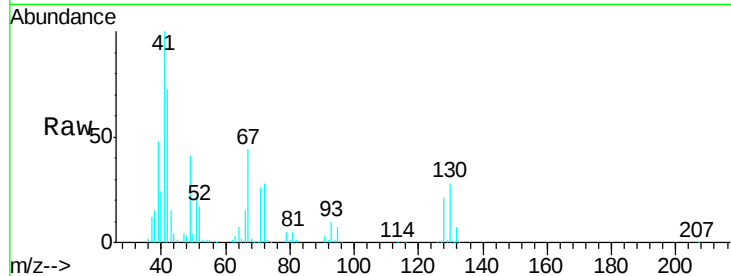
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

11/7/2019 9:16:15 AM

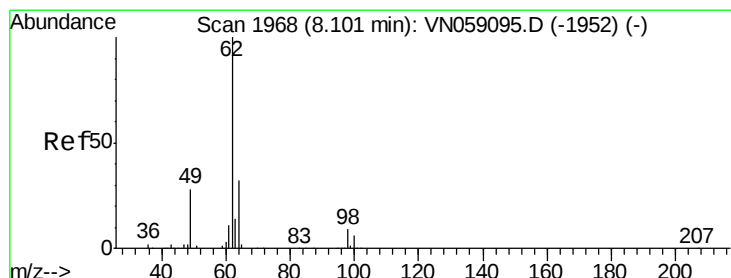
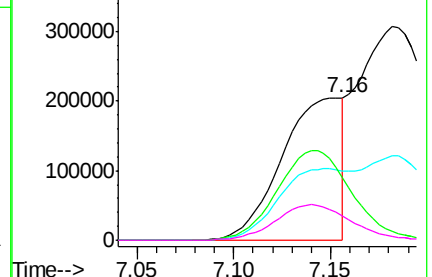
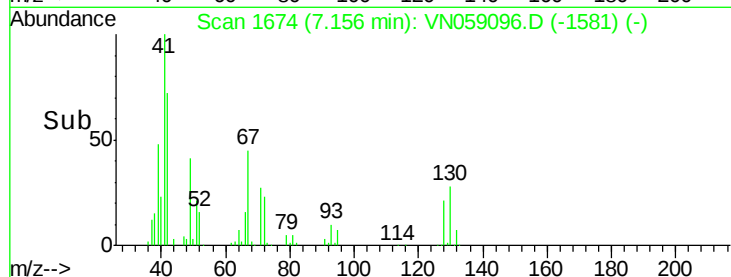


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 93.463 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059096.D

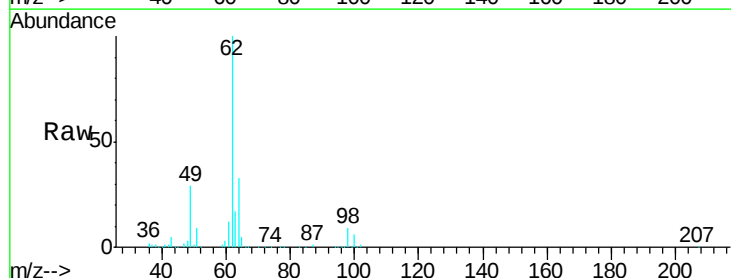
Acq: 6 Nov 2019 10:23

Tgt Ion: 62 Resp: 814956

Ion Ratio Lower Upper

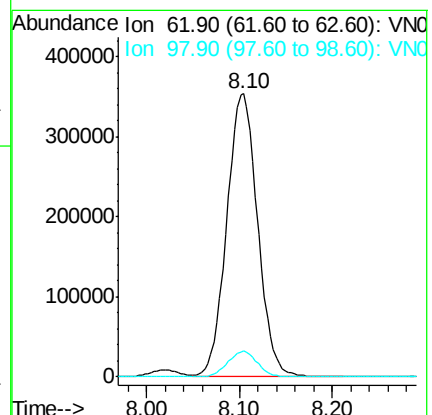
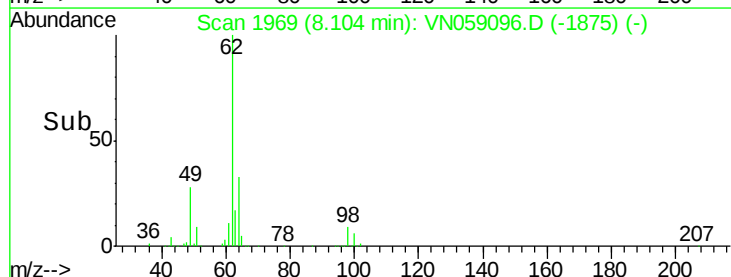
62 100

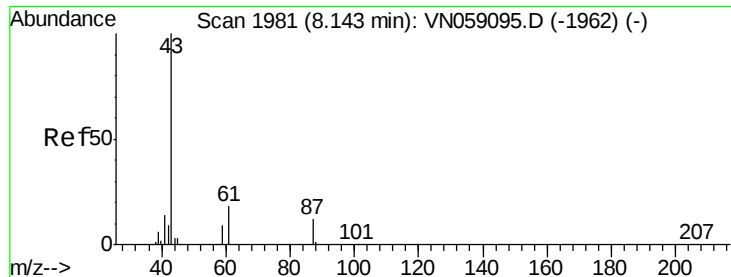
98 8.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





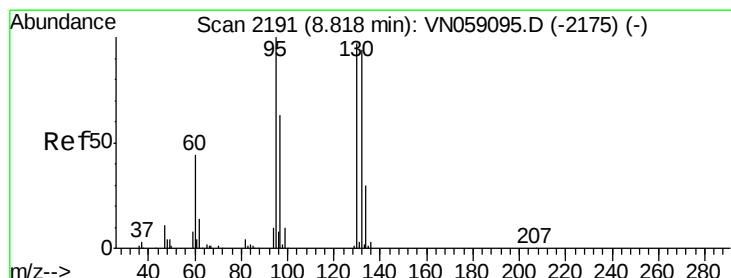
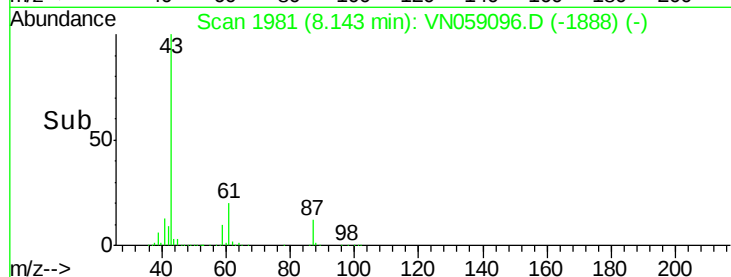
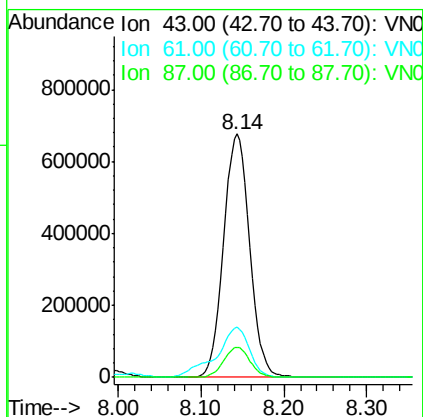
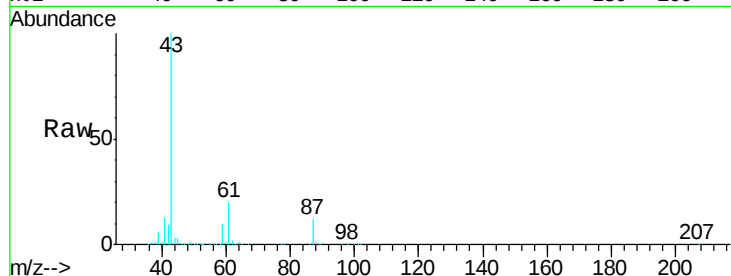
#43
Isopropyl Acetate
Concen: 100.660 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1473724
Ion Ratio Lower Upper
43 100
61 26.2 21.0 31.6
87 12.4 9.8 14.6

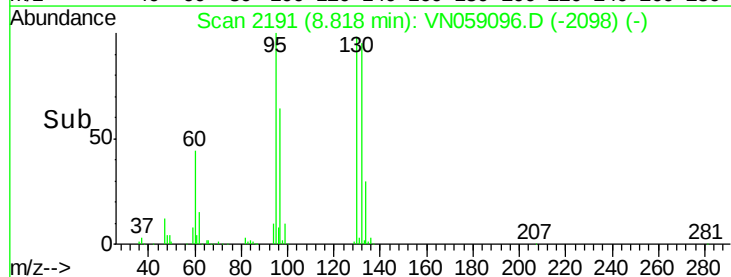
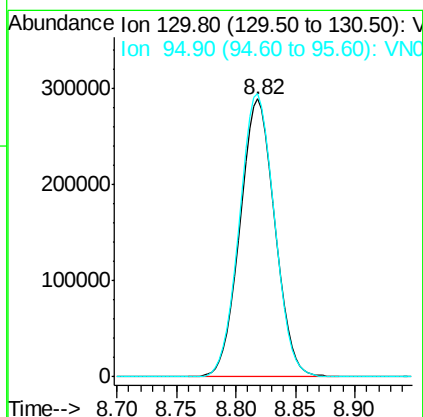
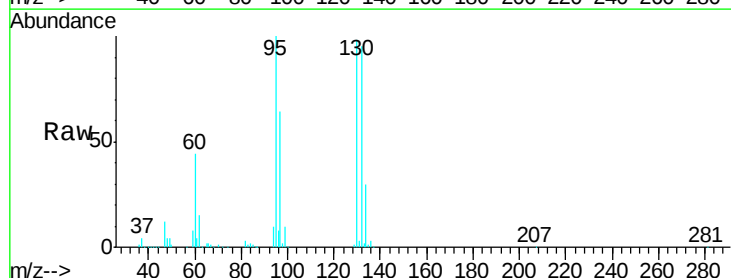
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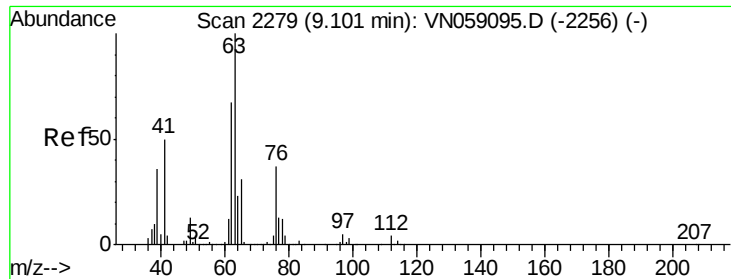
MMDadoda
11/7/2019 9:16:15 AM



#44
Trichloroethene
Concen: 94.945 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 130 Resp: 586833
Ion Ratio Lower Upper
130 100
95 101.9 0.0 206.4





#45

1,2-Dichloropropane

Concen: 96.718 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 656984

Ion Ratio Lower Upper

63 100

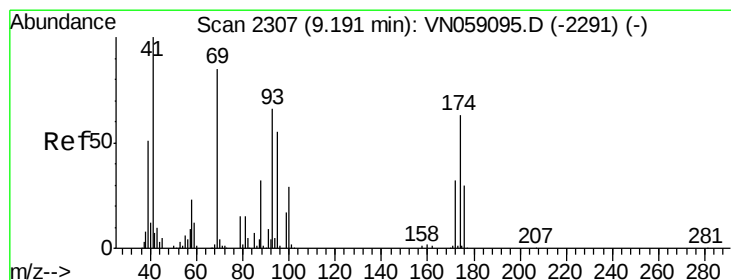
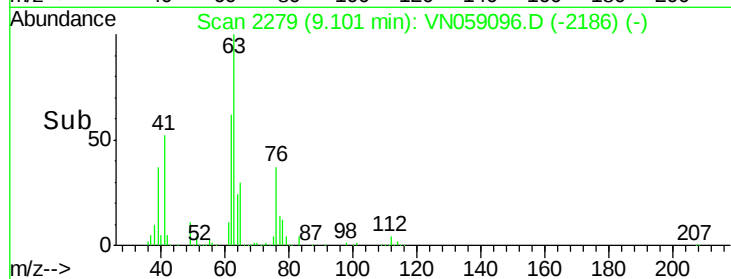
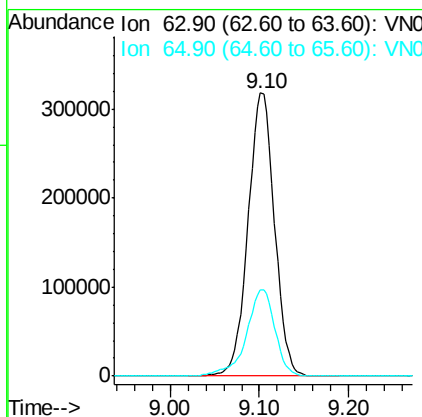
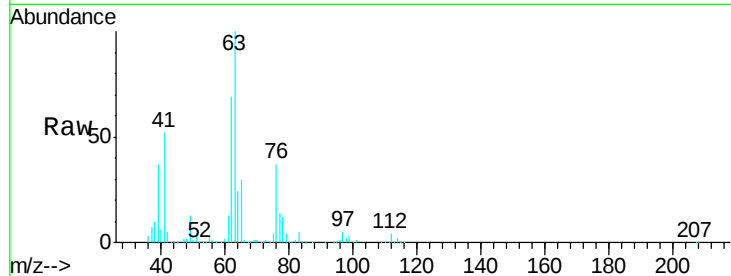
65 30.3 24.6 37.0

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#46

Dibromomethane

Concen: 94.885 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

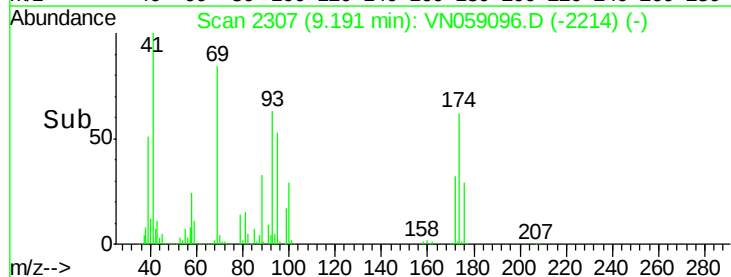
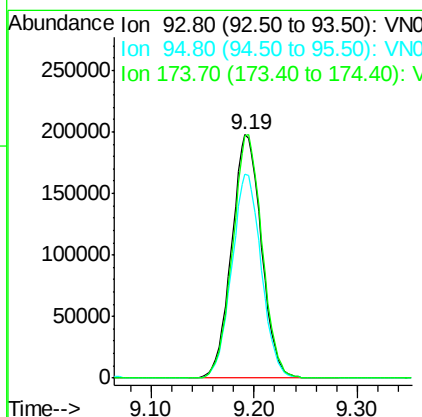
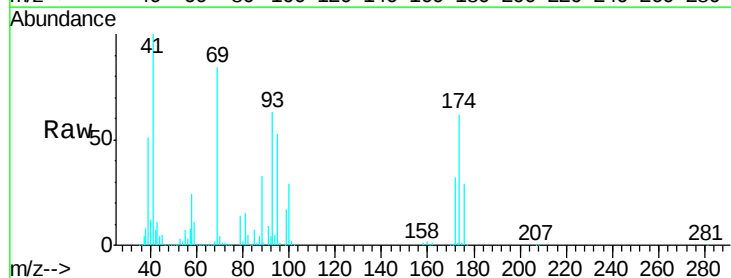
Tgt Ion: 93 Resp: 397853

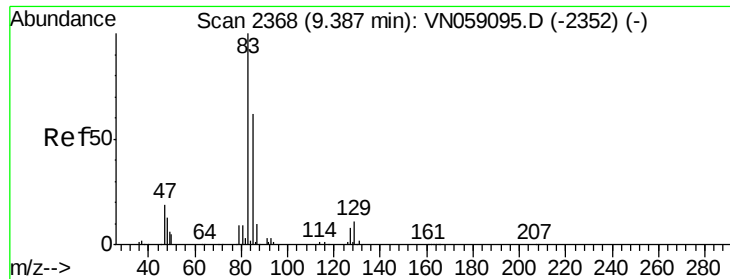
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 99.0 78.2 117.2





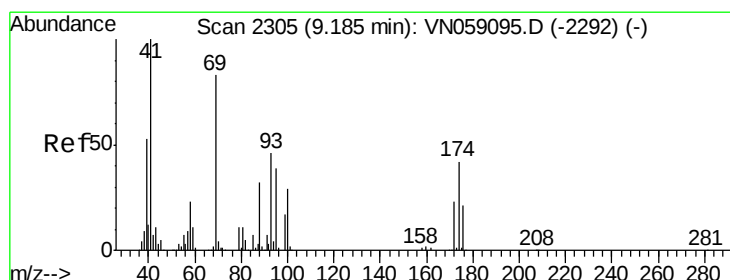
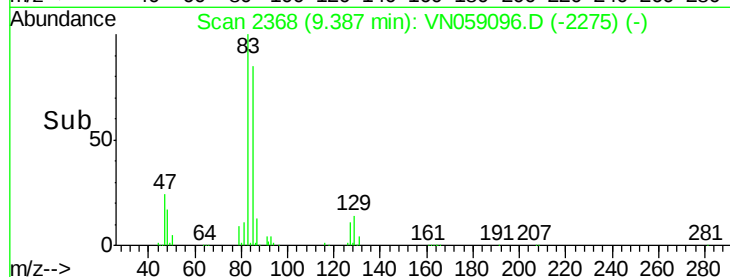
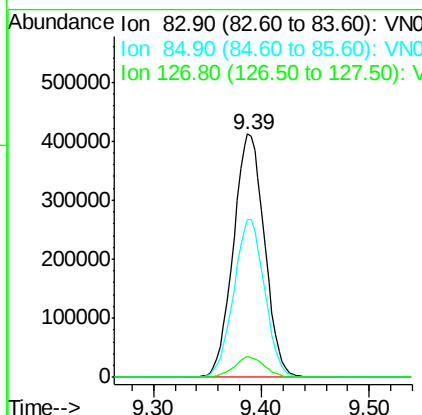
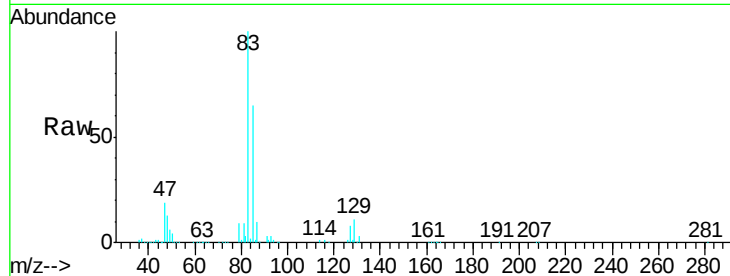
#47
Bromodichloromethane
Concen: 97.281 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.7	74.5
127	8.4	6.4	9.6

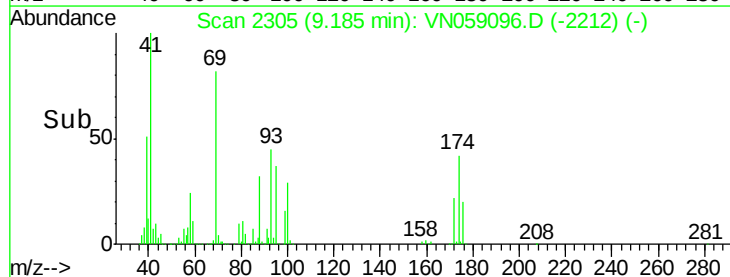
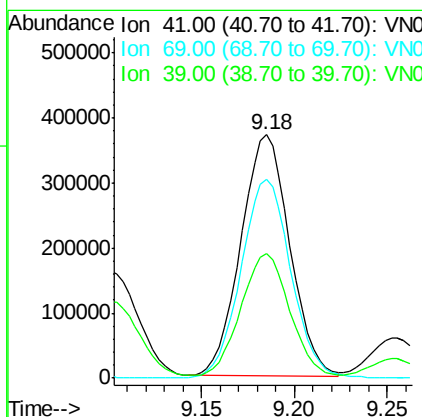
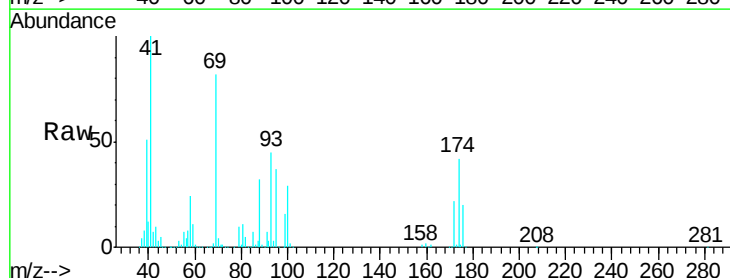
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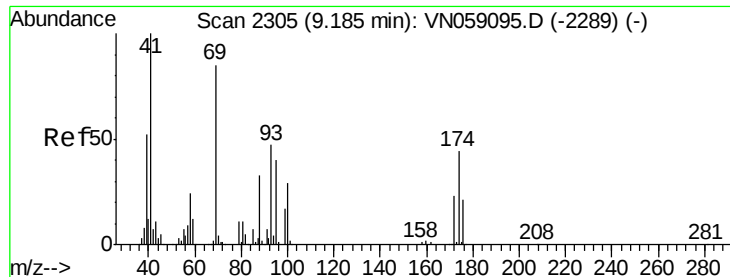
MMDadoda
11/7/2019 9:16:15 AM



#48
Methyl methacrylate
Concen: 102.174 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.3	100.9
39	52.0	43.3	64.9





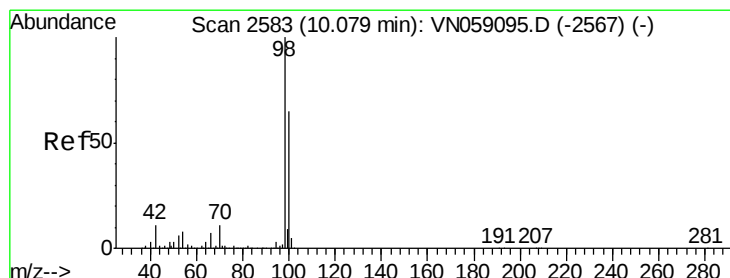
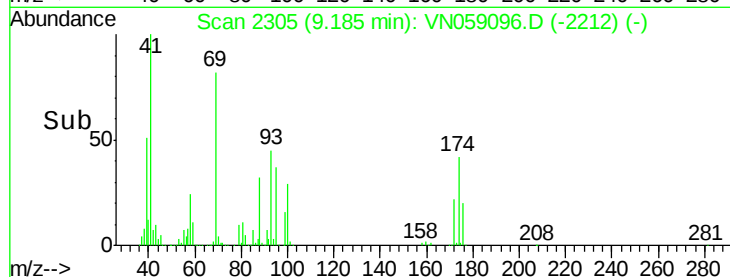
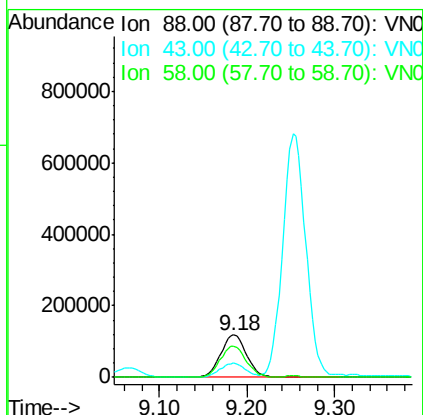
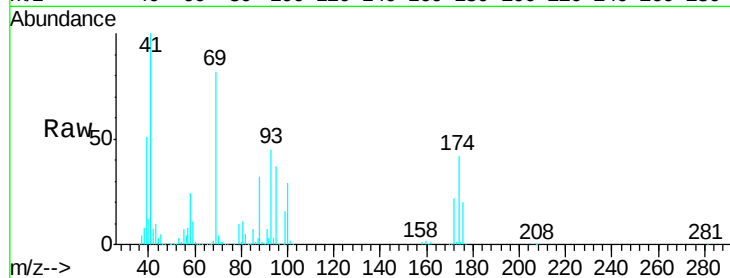
#49
1,4-Dioxane
Concen: 2278.546 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.3	39.5
58	73.4	60.6	90.8

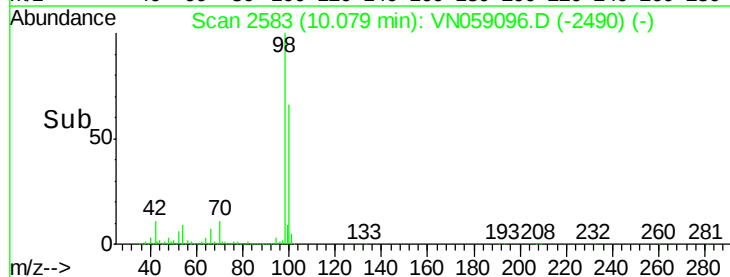
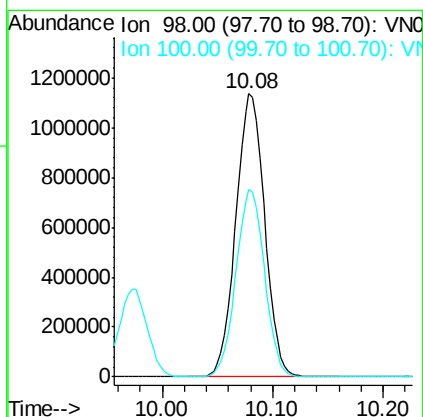
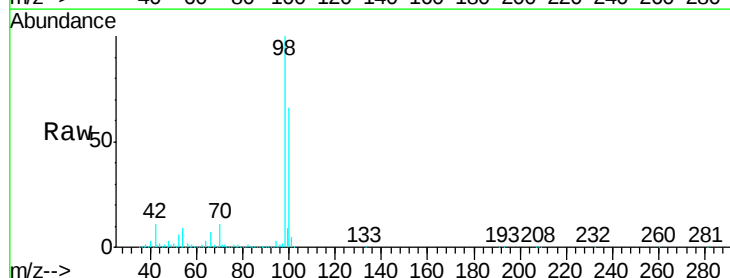
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#50
Toluene-d8
Concen: 98.358 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





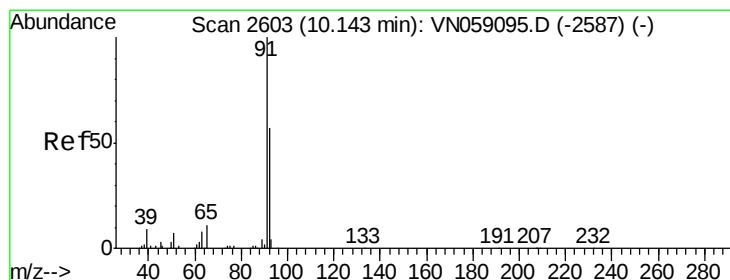
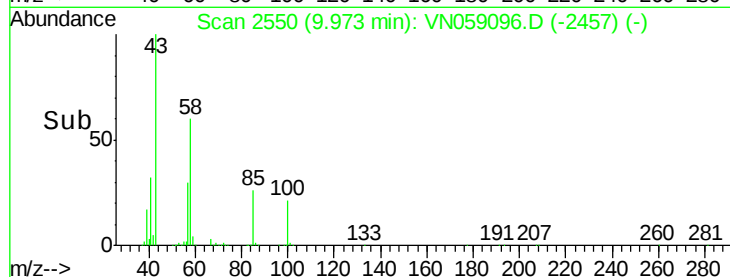
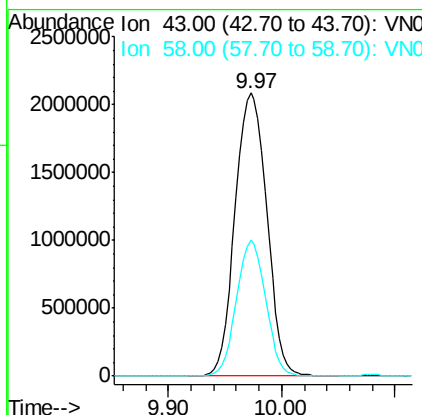
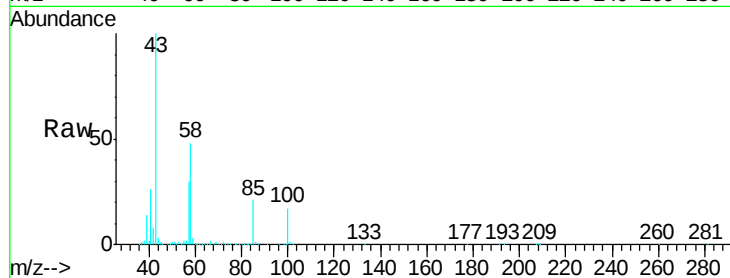
#51
 4-Methyl-2-Pentanone
 Concen: 478.956 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 43 Resp: 4085323
 Ion Ratio Lower Upper
 43 100
 58 44.3 31.5 47.3

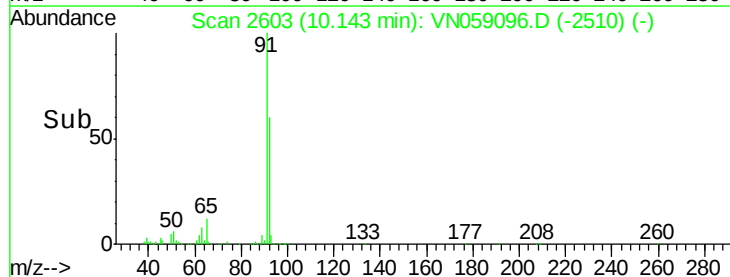
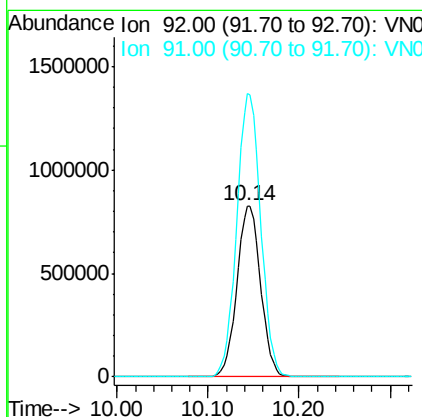
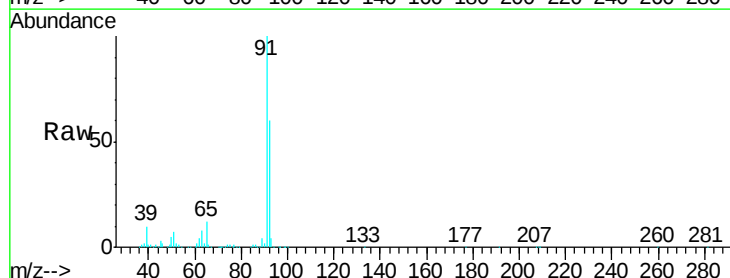
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#52
 Toluene
 Concen: 101.175 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 92 Resp: 1484987
 Ion Ratio Lower Upper
 92 100
 91 168.2 139.5 209.3





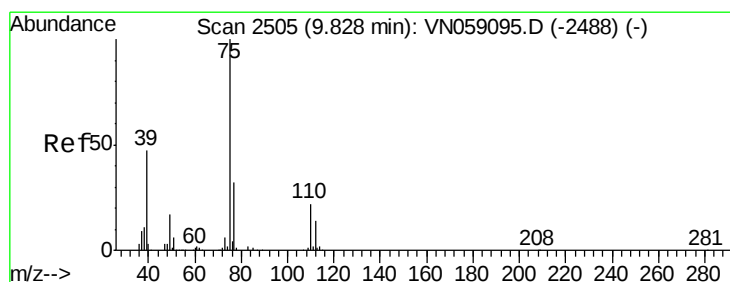
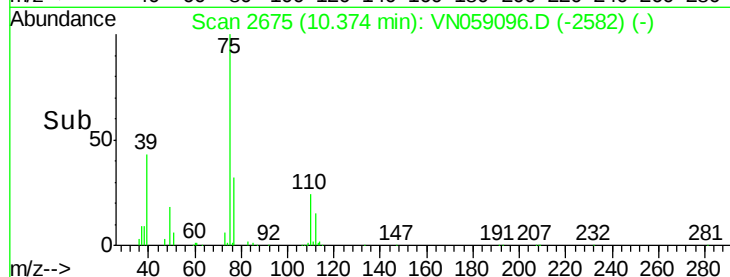
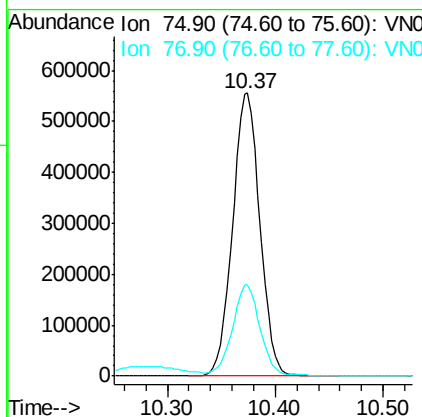
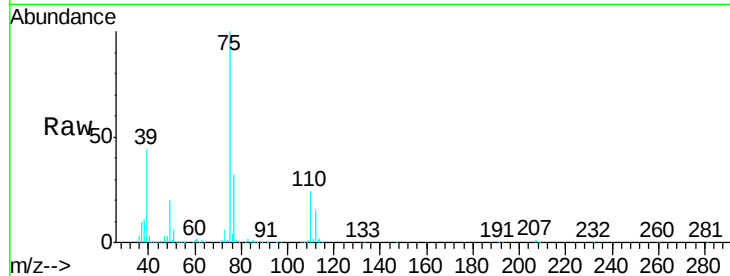
#53
t-1,3-Dichloropropene
Concen: 99.770 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 978781
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

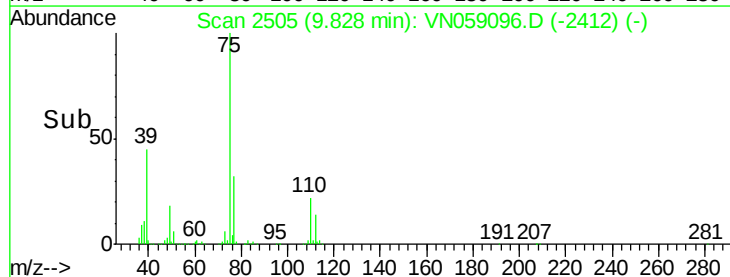
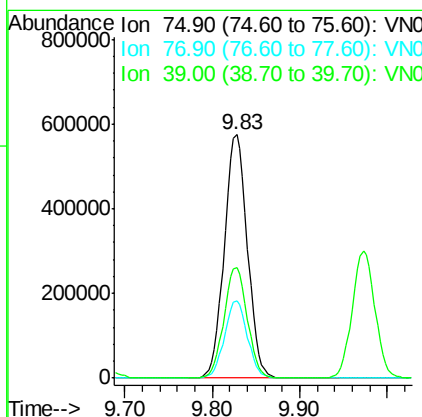
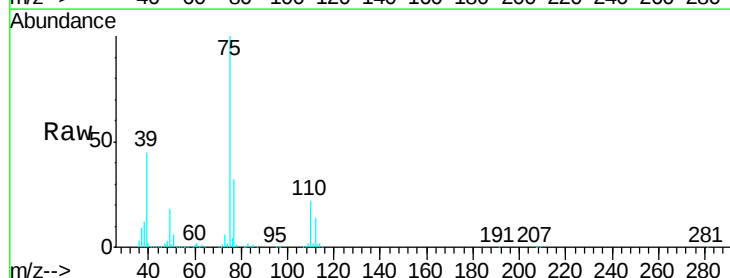
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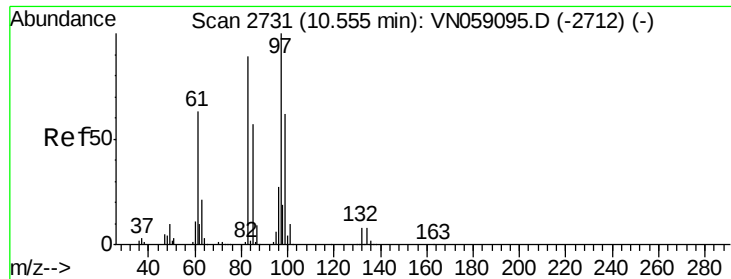
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#54
cis-1,3-Dichloropropene
Concen: 101.790 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 75 Resp: 1052301
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 45.3 37.3 55.9





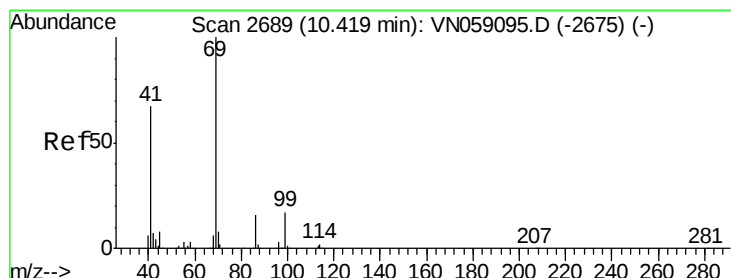
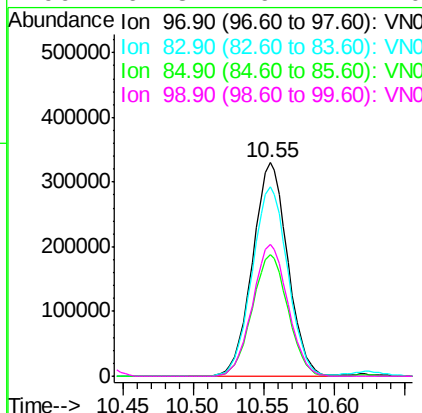
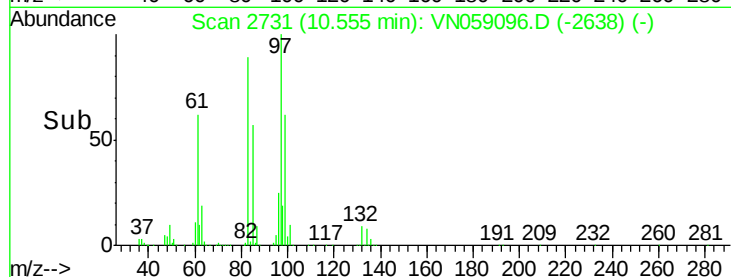
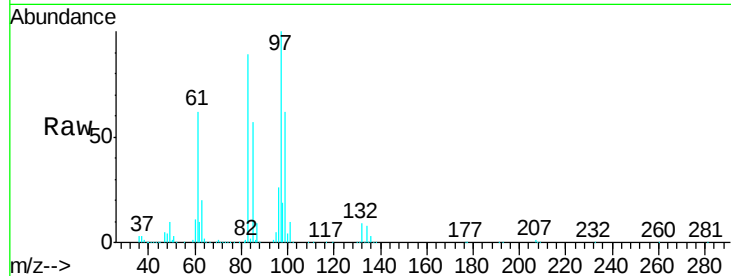
#55
 1,1,2-Trichloroethane
 Concen: 95.941 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.9	45.8	68.8
99	61.8	49.4	74.0

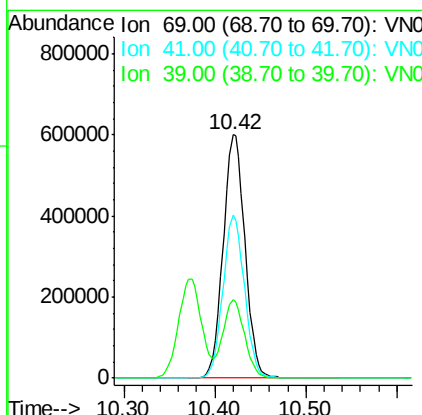
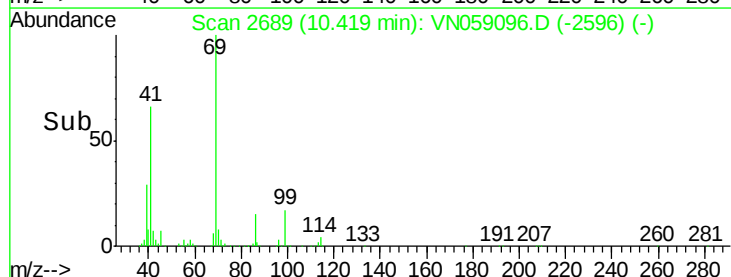
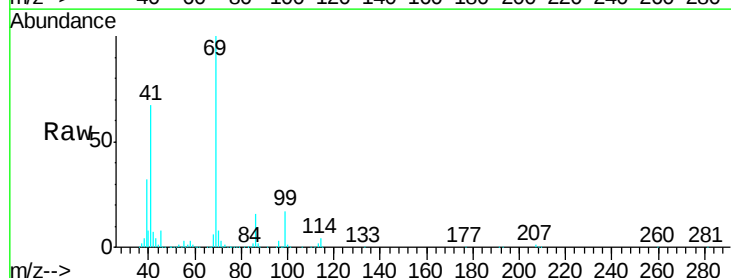
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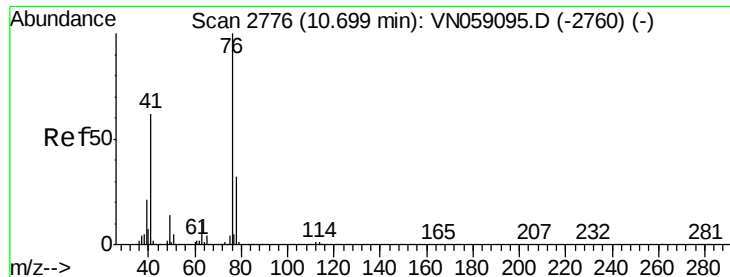
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#56
 Ethyl methacrylate
 Concen: 110.912 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.6	80.4
39	32.0	26.2	39.4





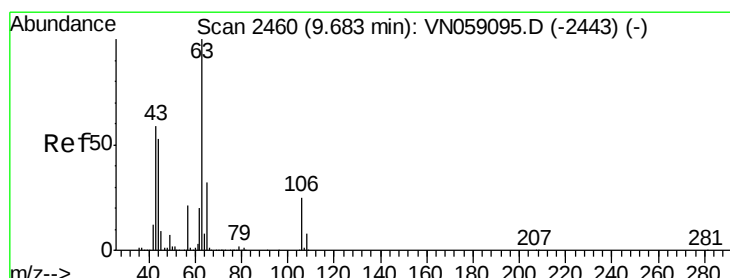
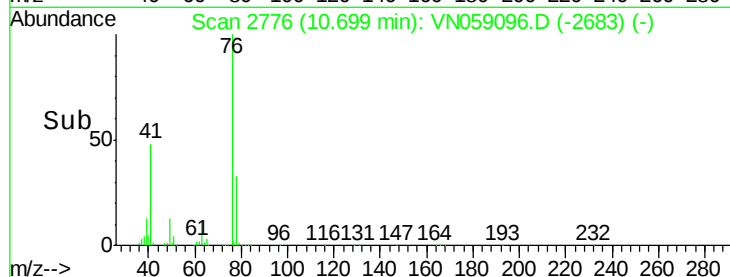
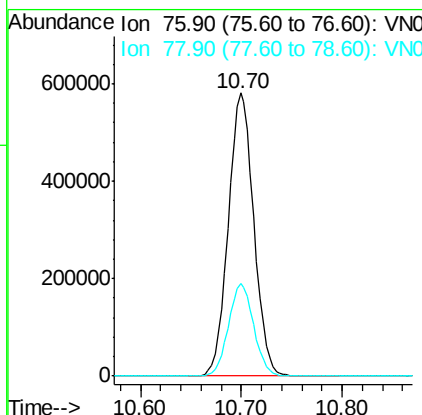
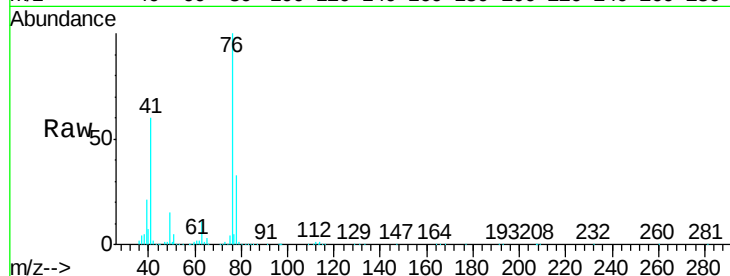
#57
 1,3-Dichloropropane
 Concen: 98.067 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 1021956
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

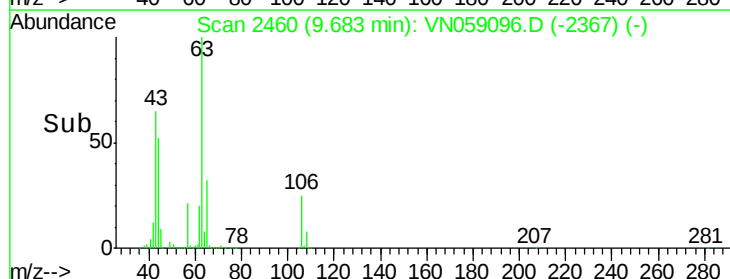
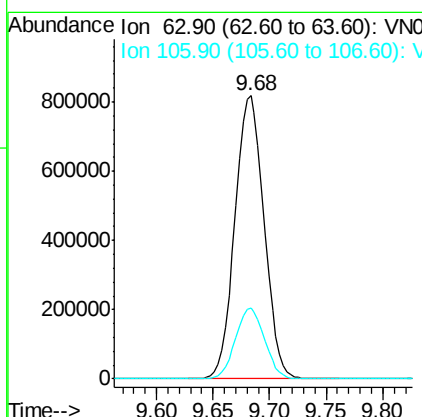
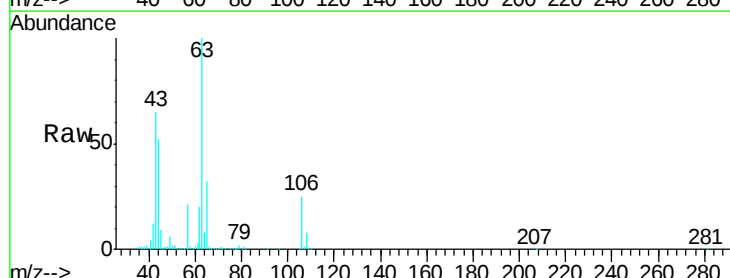
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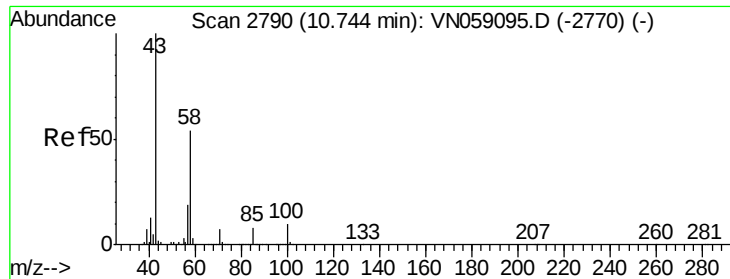
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#58
 2-Chloroethyl Vinyl ether
 Concen: 410.468 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 63 Resp: 1469781
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.2 30.2





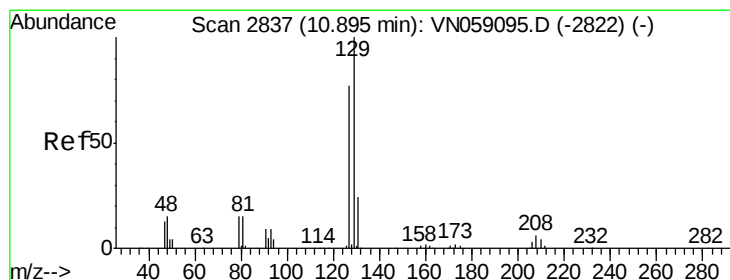
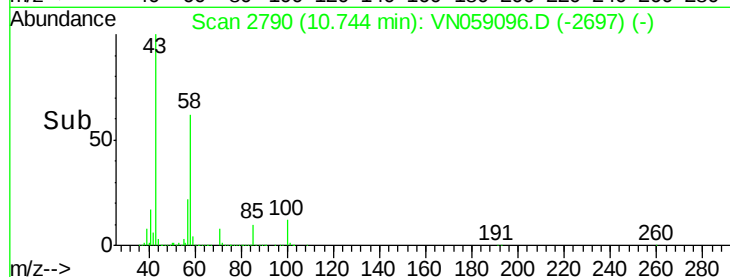
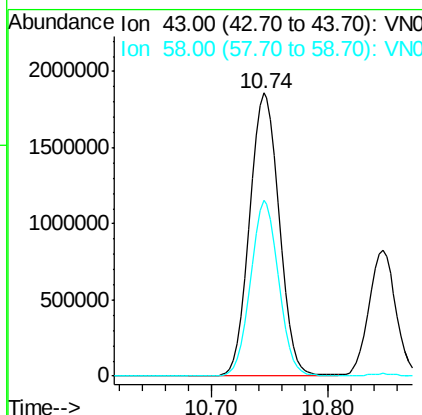
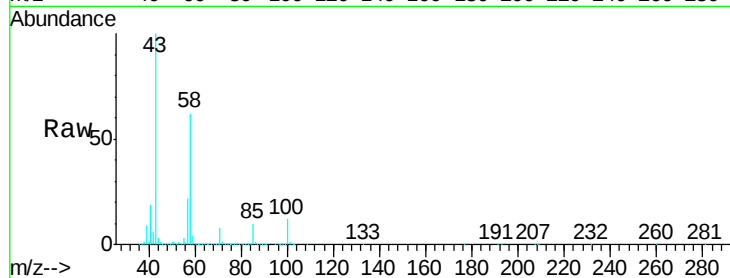
#59
2-Hexanone
Concen: 512.977 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 3323991
Ion Ratio Lower Upper
43 100
58 58.8 27.3 81.8

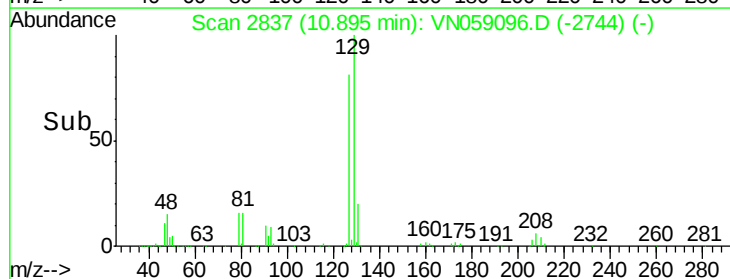
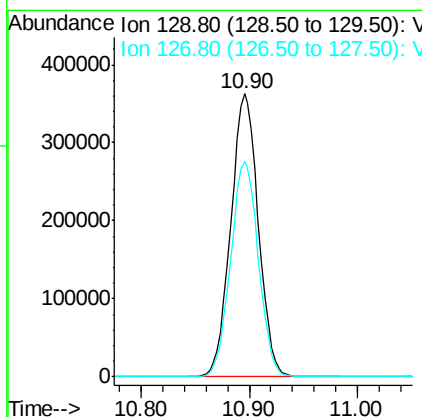
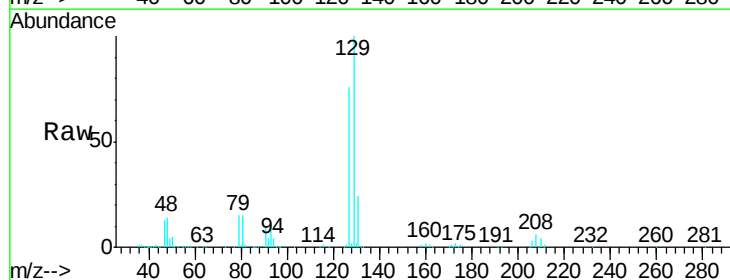
Manual Integrations
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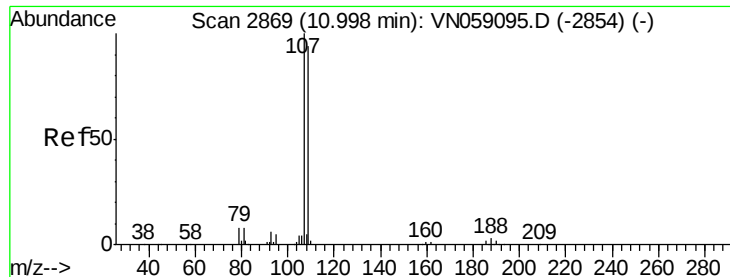
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#60
Dibromochloromethane
Concen: 100.129 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 129 Resp: 645234
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 100.620 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 609683

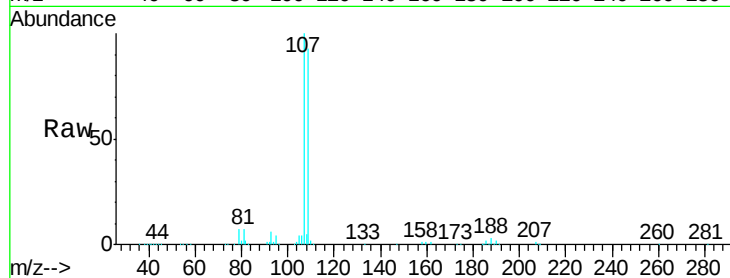
Ion Ratio Lower Upper

107 100

109 93.5 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

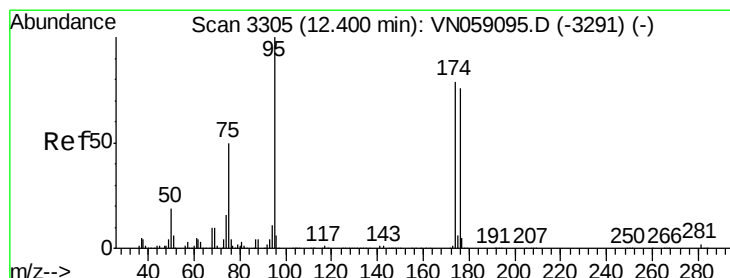
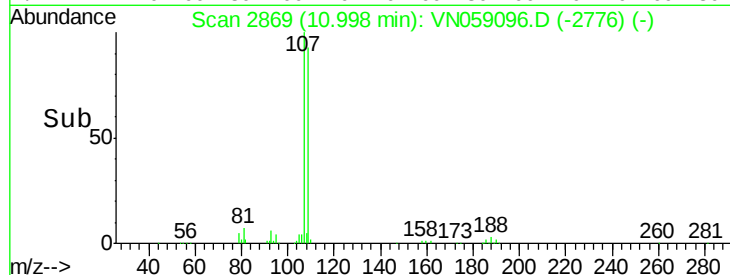
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 104.306 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

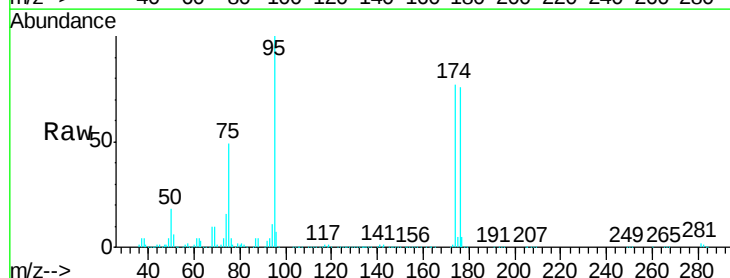
Tgt Ion: 95 Resp: 782198

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.2

176 76.2 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

600000

500000

400000

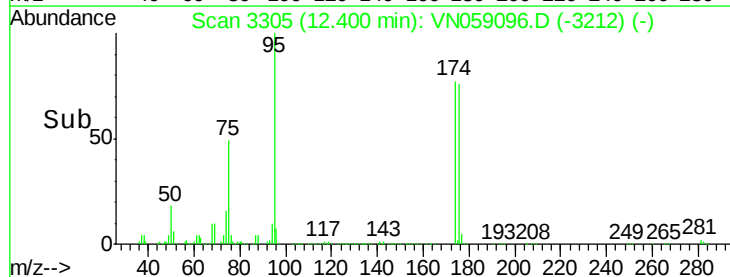
300000

200000

100000

0

Time-->





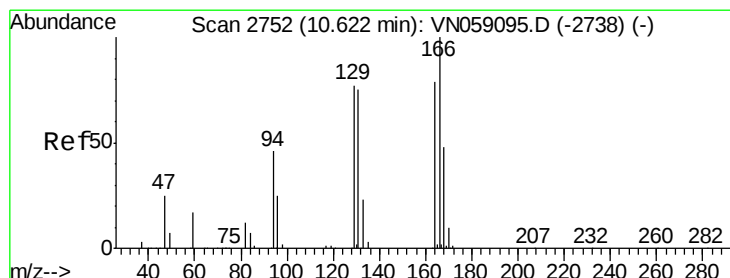
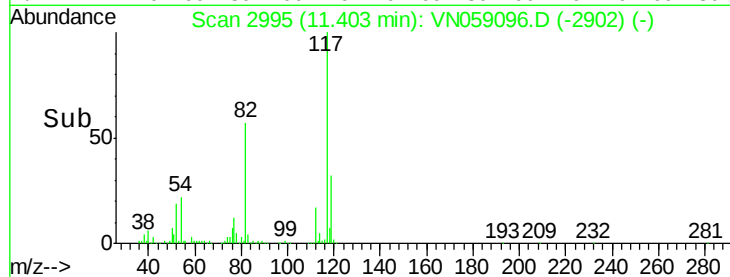
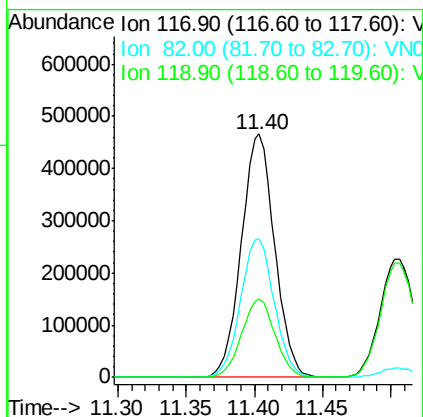
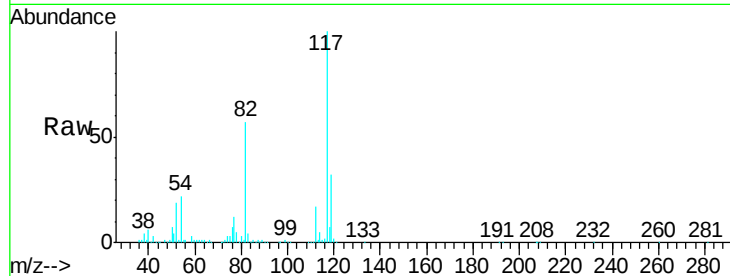
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	790073		
82	56.9	45.8	68.8	
119	32.4	25.8	38.6	

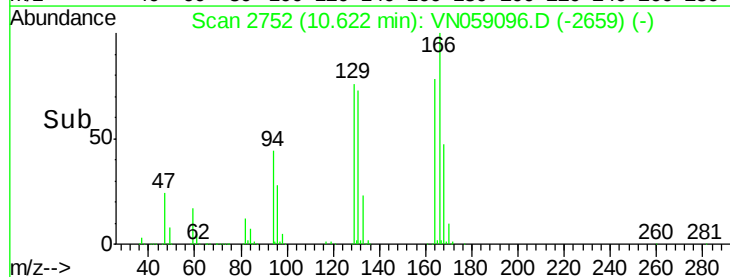
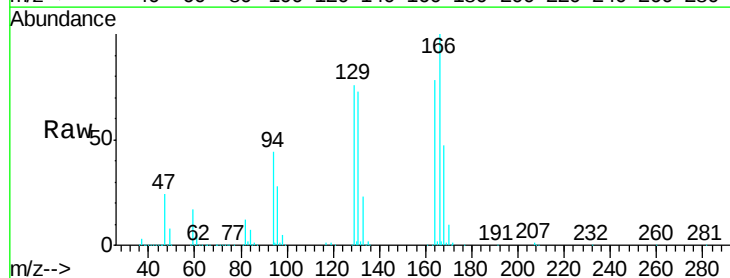
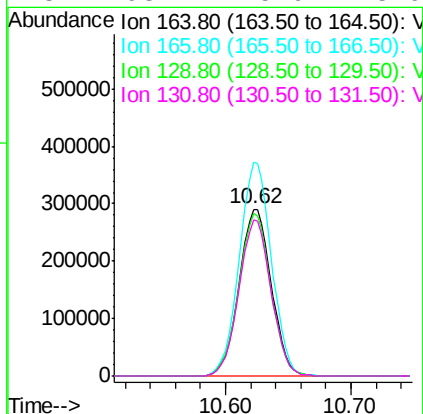
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#64
Tetrachloroethene
Concen: 94.147 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	519262		
166	128.1	101.5	152.3	
129	97.4	78.3	117.5	
131	93.4	75.9	113.9	





#65

Chlorobenzene

Concen: 95.526 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion:112 Resp: 1543461

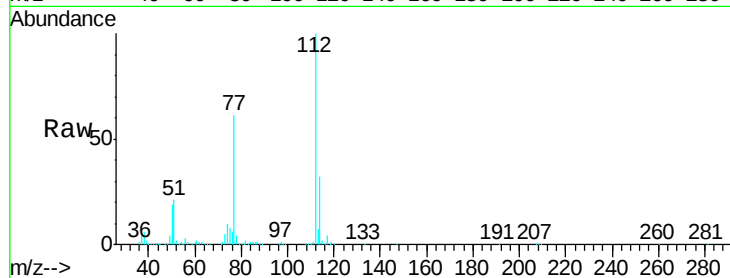
Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8

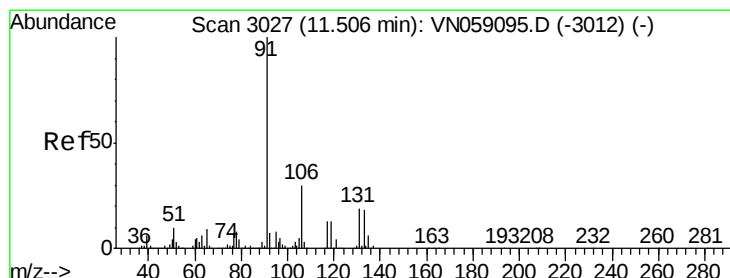
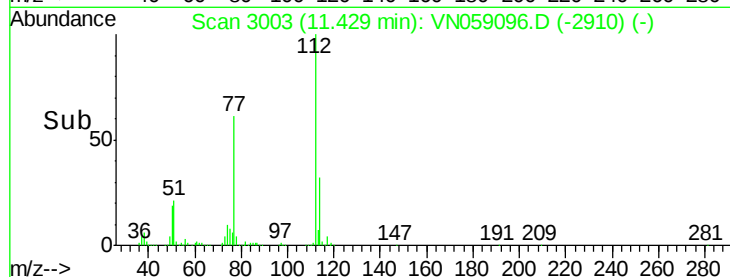
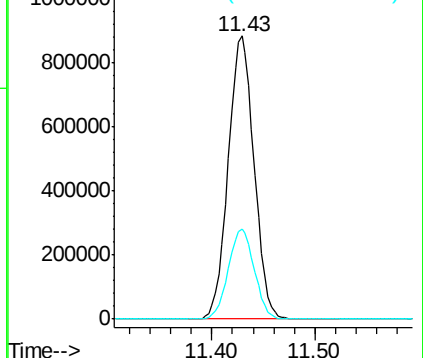
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 96.762 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

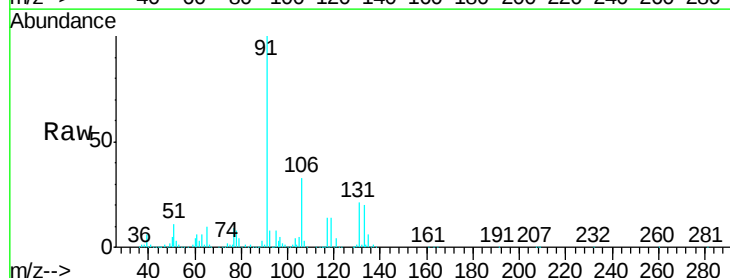
Tgt Ion:131 Resp: 576084

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

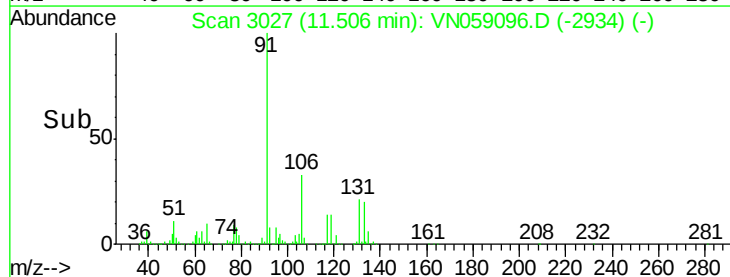
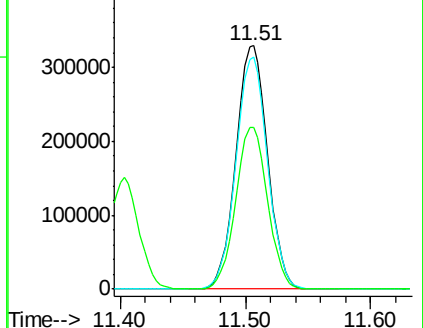
119 67.1 33.2 99.6



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





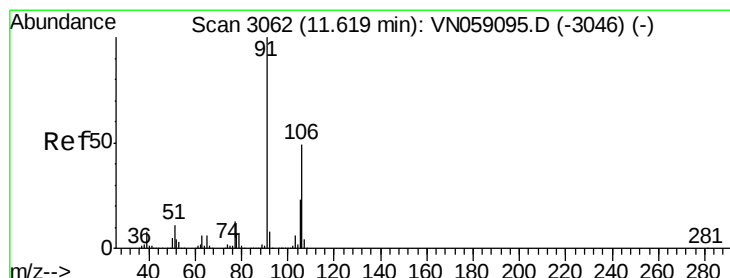
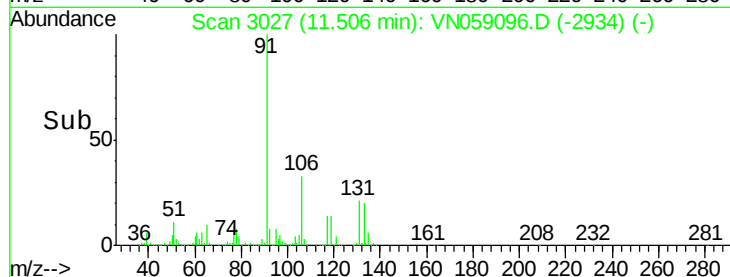
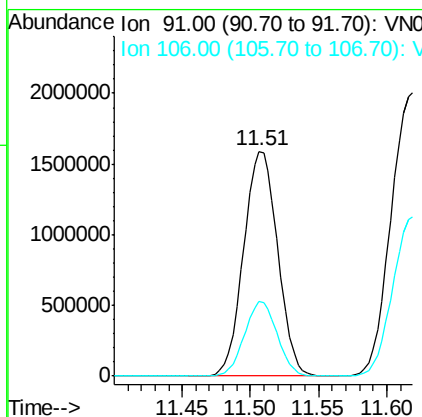
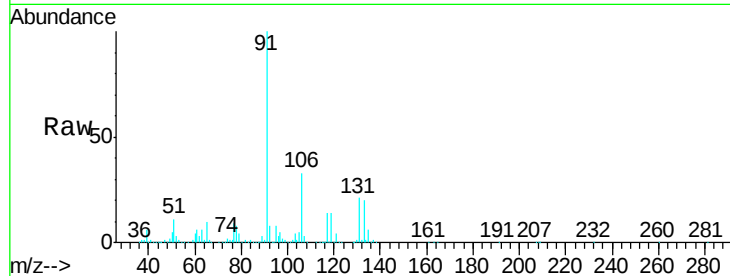
#67
Ethyl Benzene
Concen: 98.429 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 91 Resp: 2752093
Ion Ratio Lower Upper
91 100
106 33.0 24.1 36.1

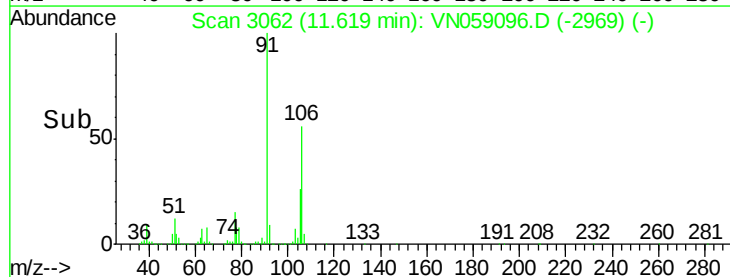
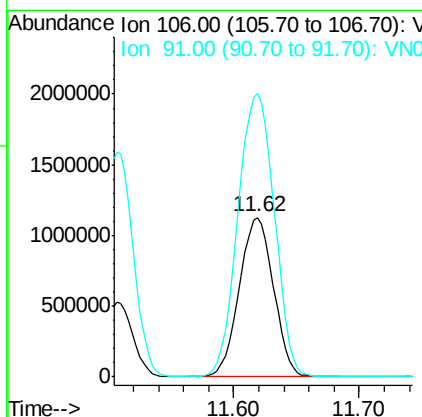
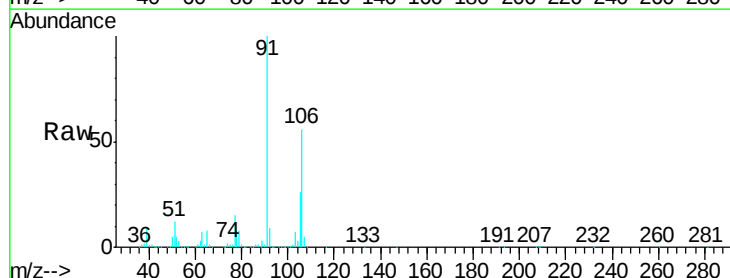
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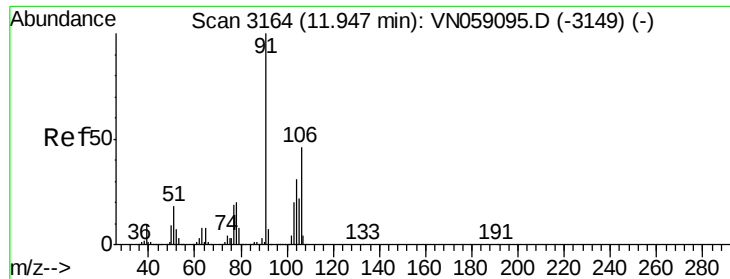
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#68
m/p-Xylenes
Concen: 204.174 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 106 Resp: 2134812
Ion Ratio Lower Upper
106 100
91 190.1 164.7 247.1





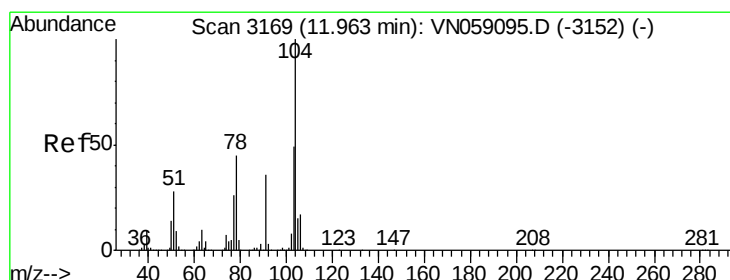
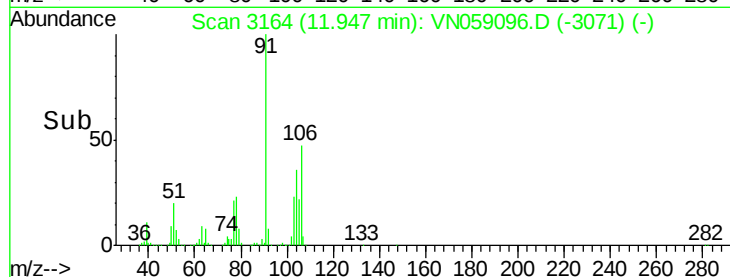
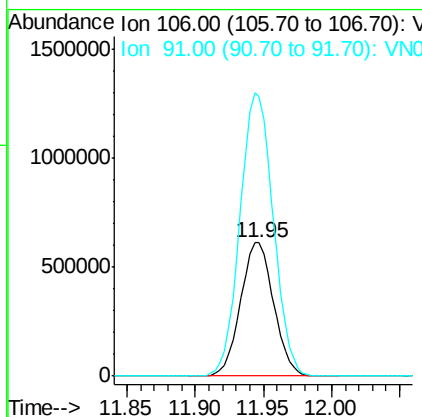
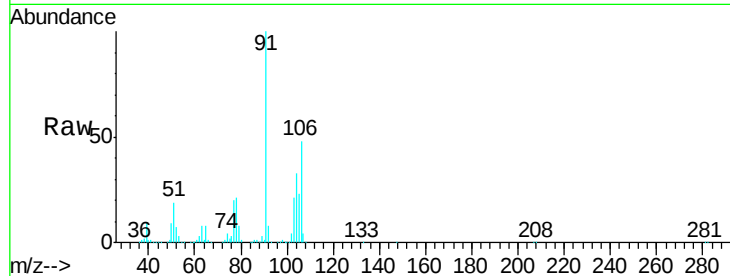
#69
o-Xylene
Concen: 103.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1029312
Ion Ratio Lower Upper
106 100
91 213.8 110.1 330.3

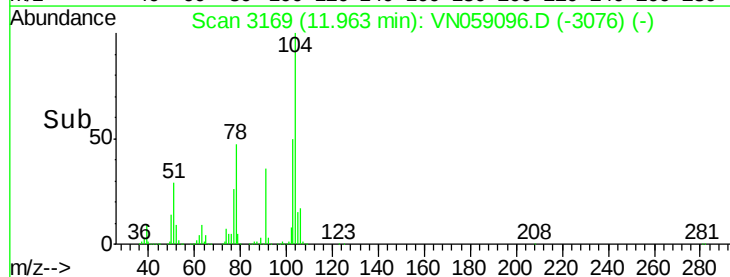
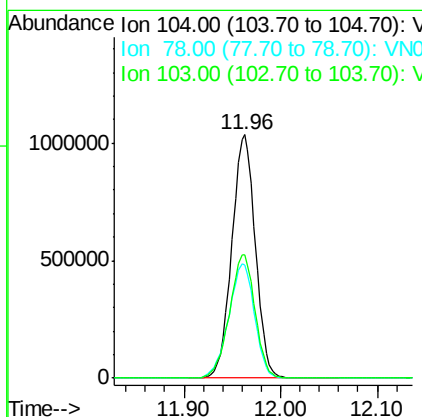
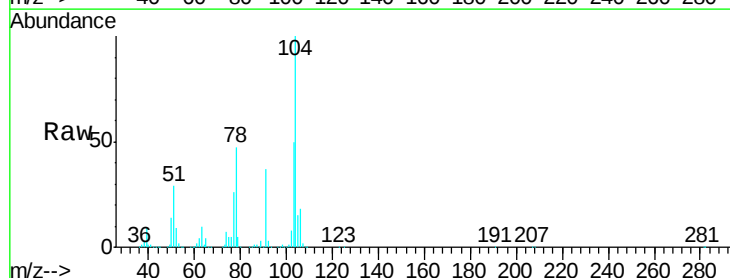
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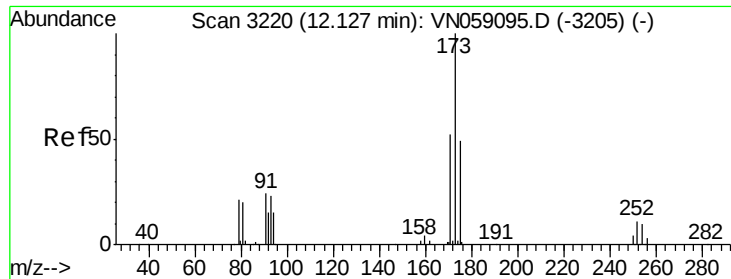
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#70
Styrene
Concen: 108.220 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:104 Resp: 1746272
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.1 43.8 65.6





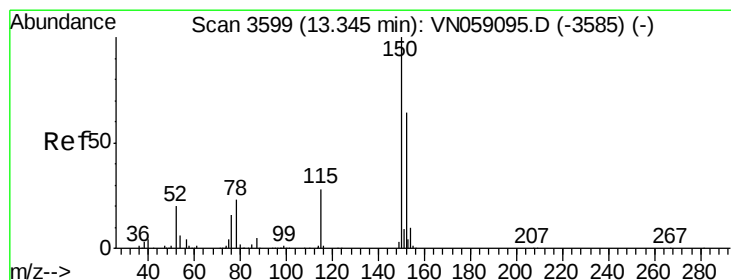
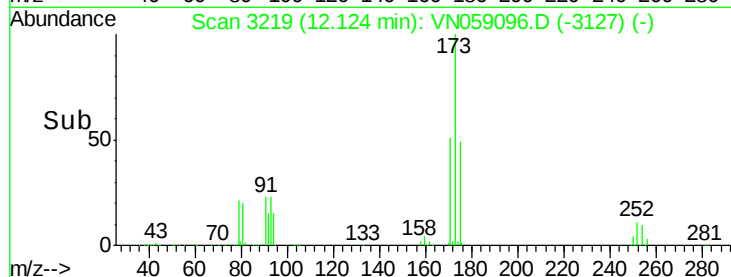
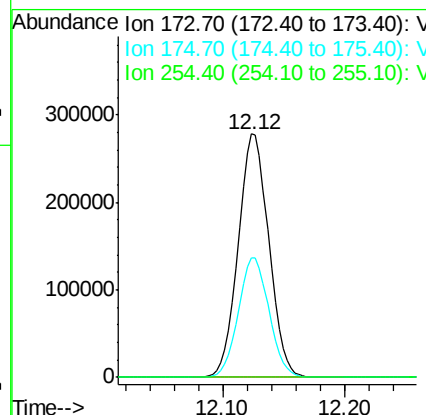
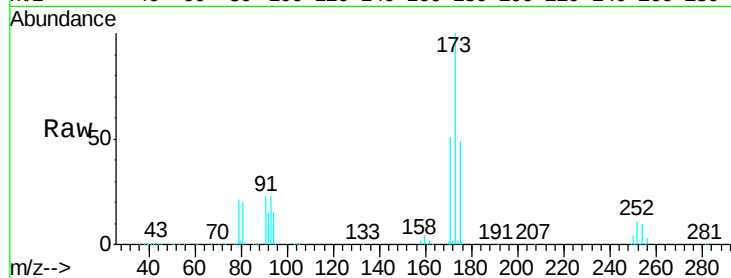
#71
Bromoform
Concen: 104.980 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	483210		
175	49.1	24.2	72.6	
254	0.1	0.1	0.1#	

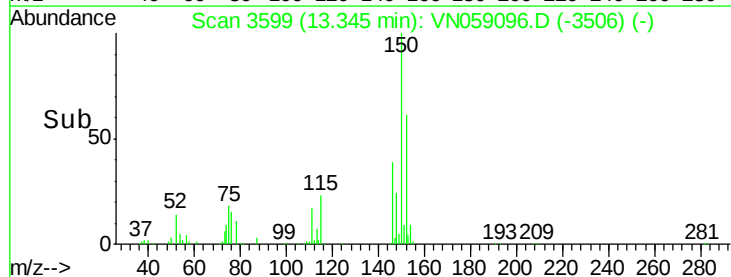
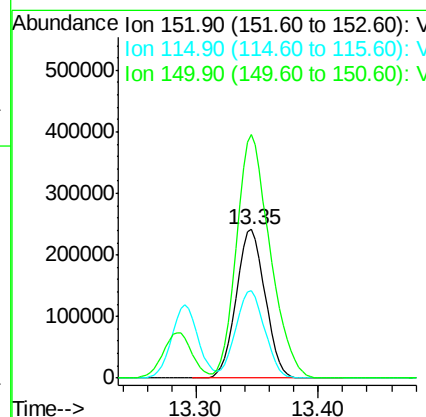
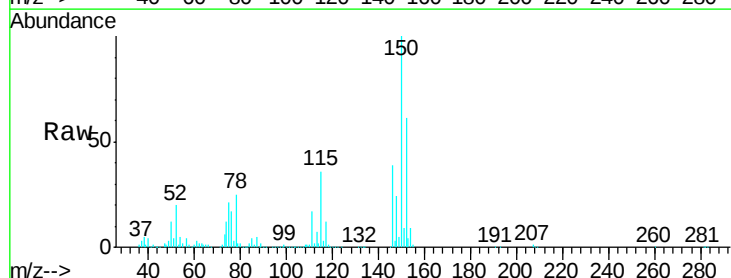
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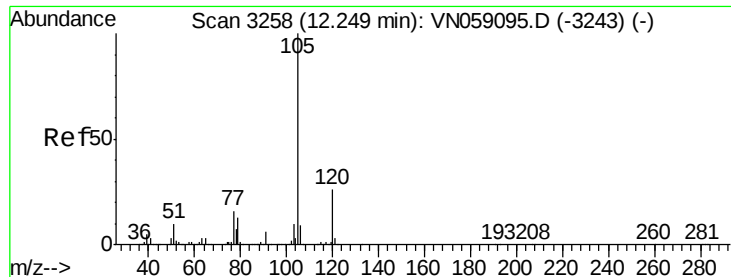
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	398201		
115	58.9	29.4	88.2	
150	189.2	0.0	345.8	





#73

Isopropylbenzene

Concen: 92.147 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 2693076

Ion Ratio Lower Upper

105 100

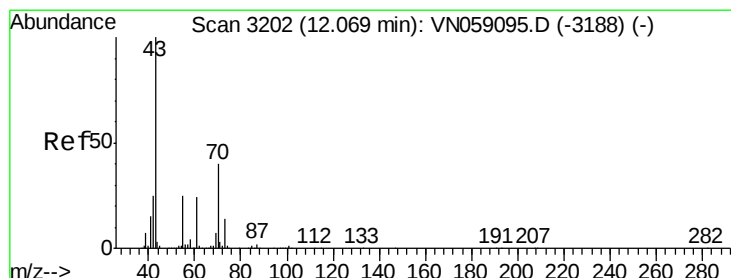
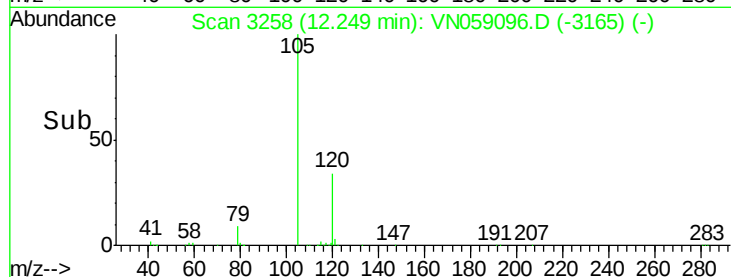
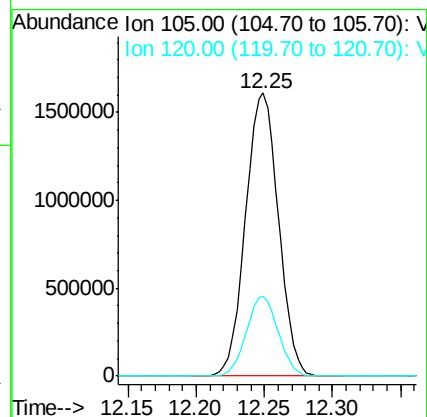
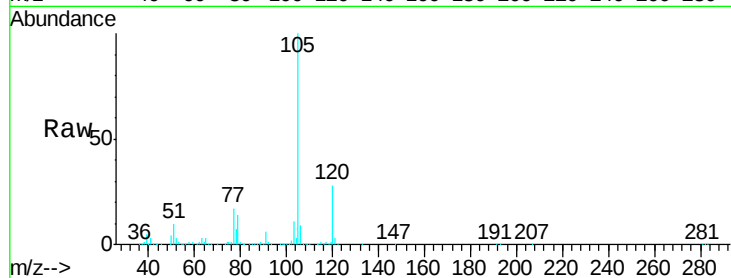
120 27.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 100.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 1304404

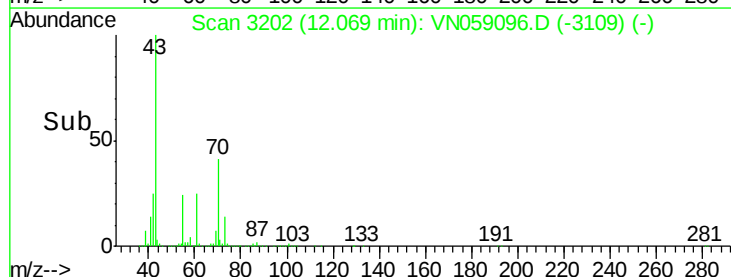
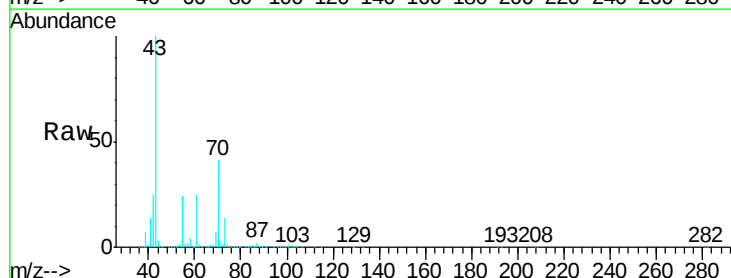
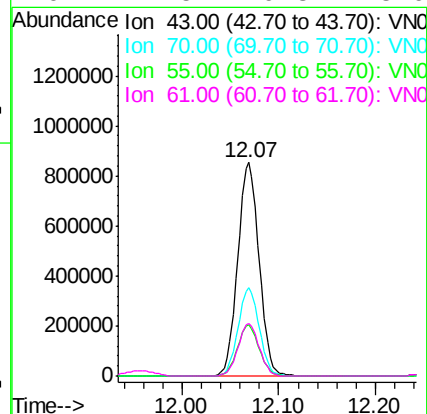
Ion Ratio Lower Upper

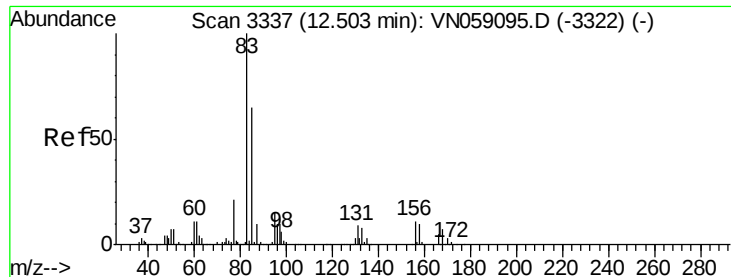
43 100

70 41.2 32.2 48.4

55 24.3 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 88.248 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 918905
Ion Ratio Lower Upper

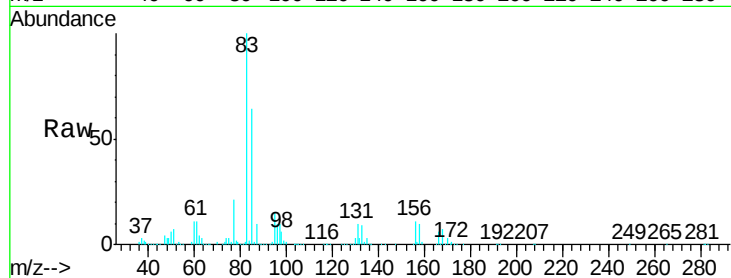
83 100

131 9.8 4.9 14.6

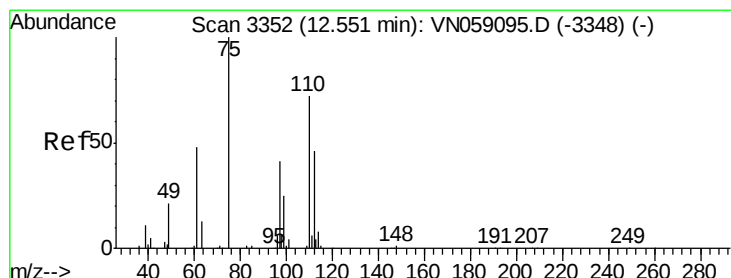
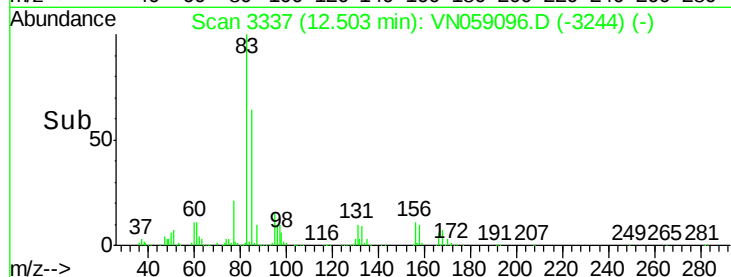
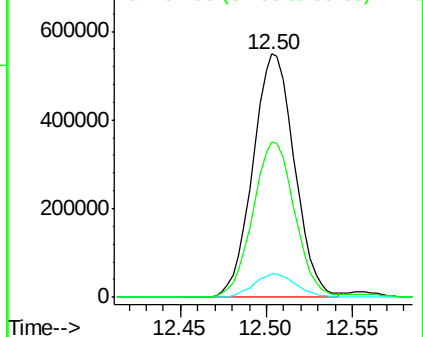
85 64.3 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN059095.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN059095.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 86.655 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

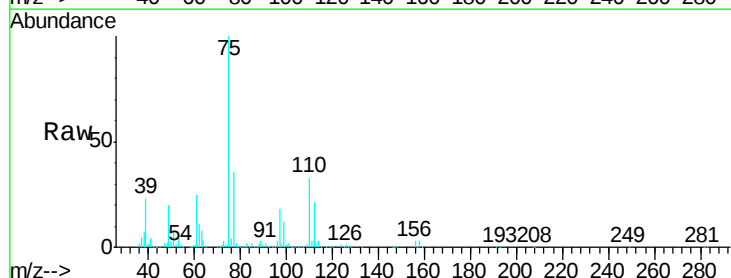
Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

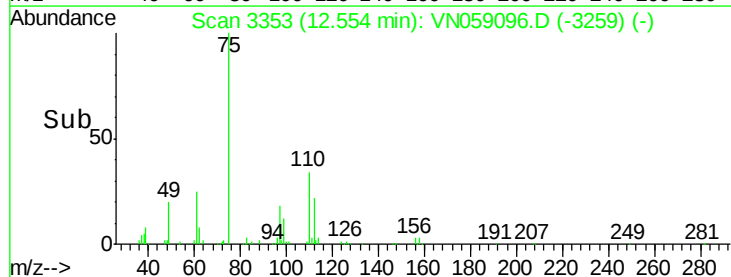
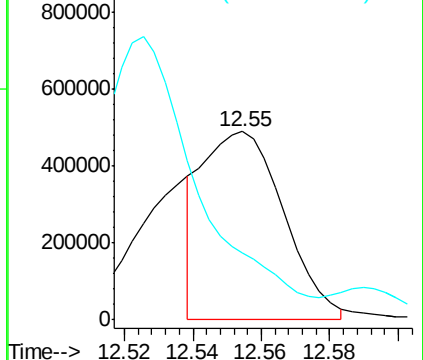
Tgt Ion: 75 Resp: 806430
Ion Ratio Lower Upper

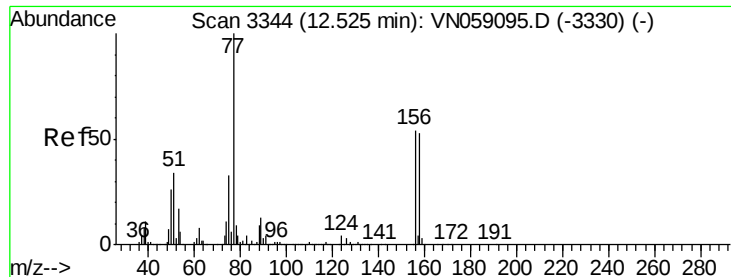
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN059095.D (-3348) (-)





#77

Bromobenzene

Concen: 91.415 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

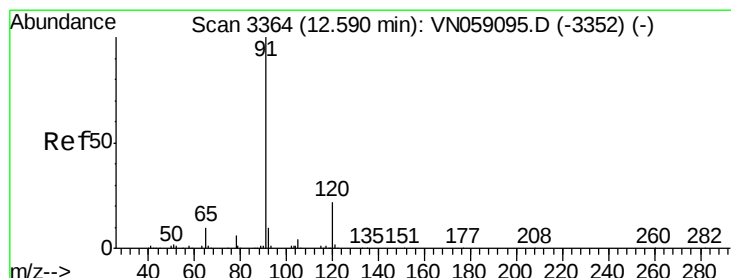
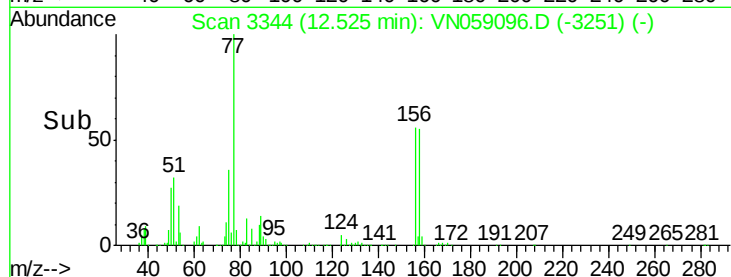
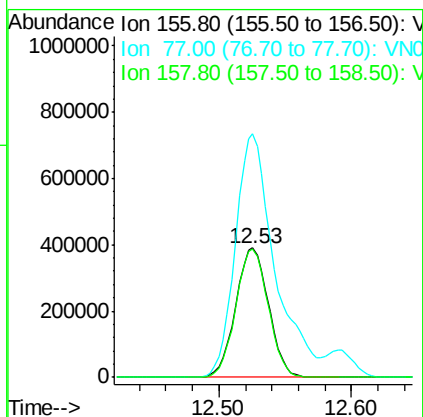
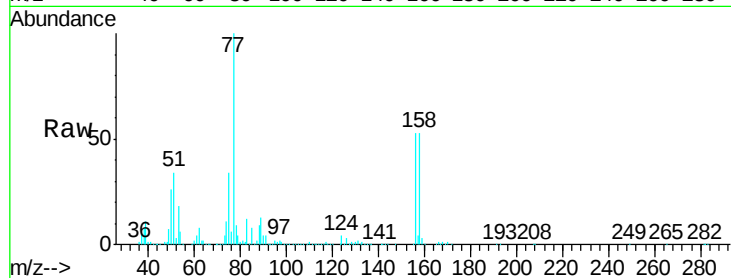
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
156	100		
77	227.3	112.8	338.3
158	97.8	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 92.870 ug/l

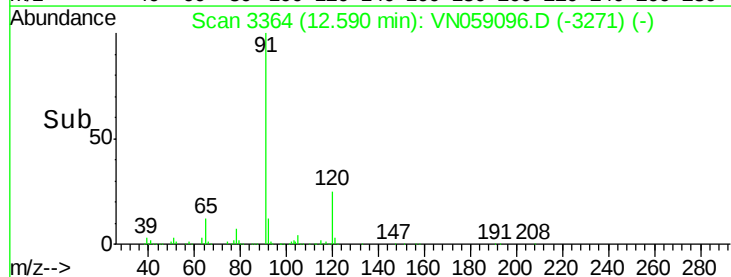
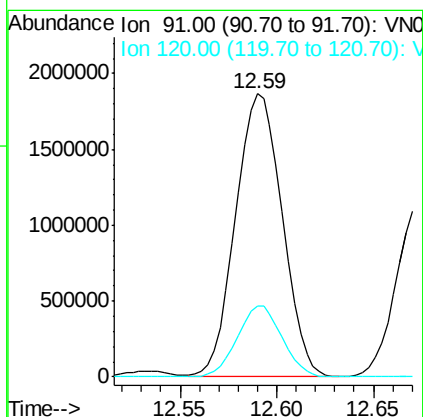
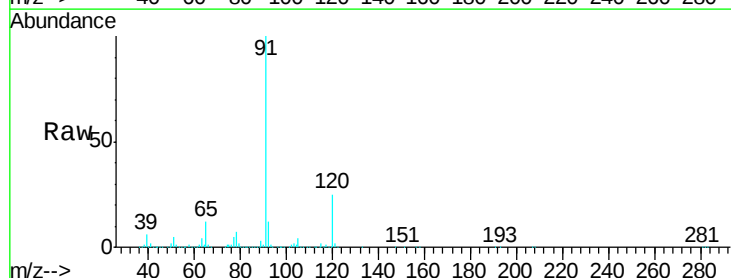
RT: 12.59 min Scan# 3364

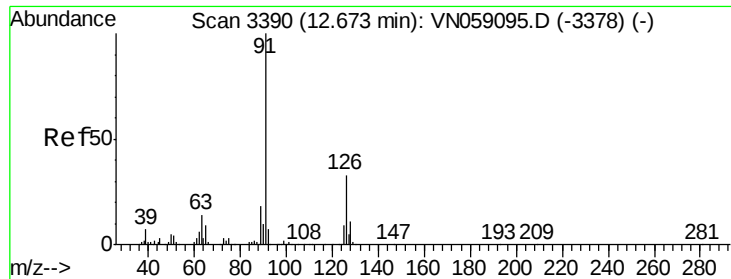
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 92.358 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 91 Resp: 1937103

Ion Ratio Lower Upper

91 100

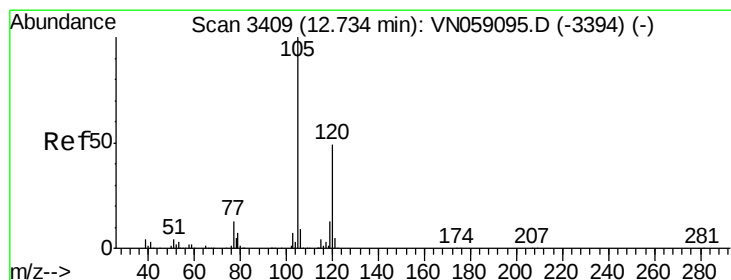
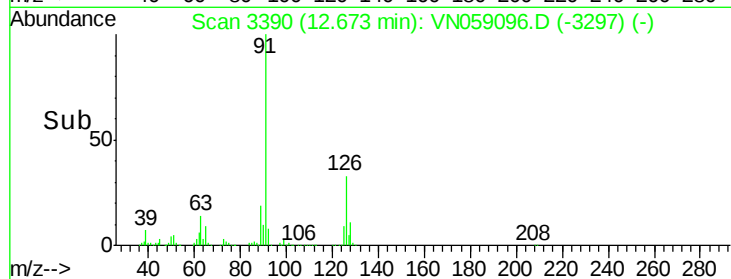
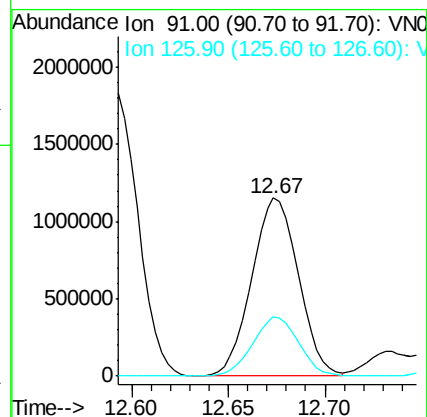
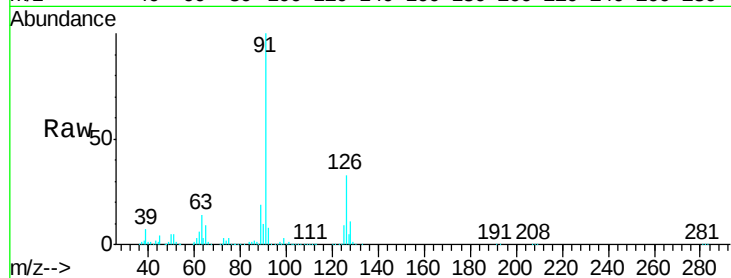
126 32.8 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 94.726 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059096.D

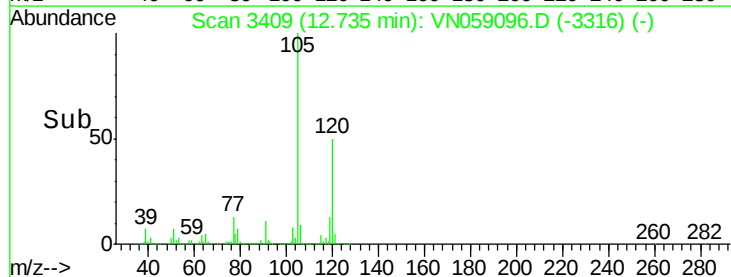
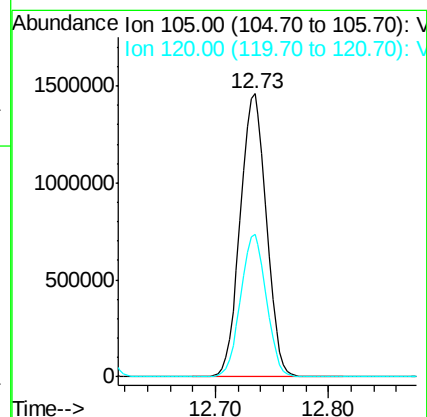
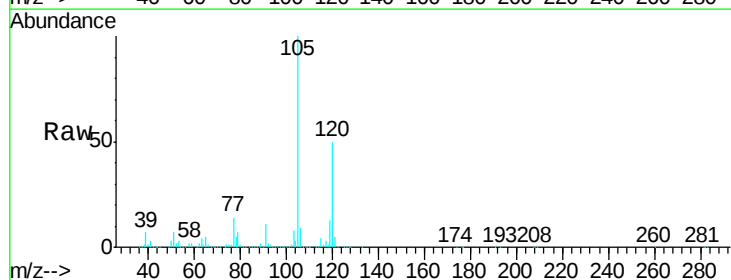
Acq: 6 Nov 2019 10:23

Tgt Ion: 105 Resp: 2354383

Ion Ratio Lower Upper

105 100

120 49.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 97.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

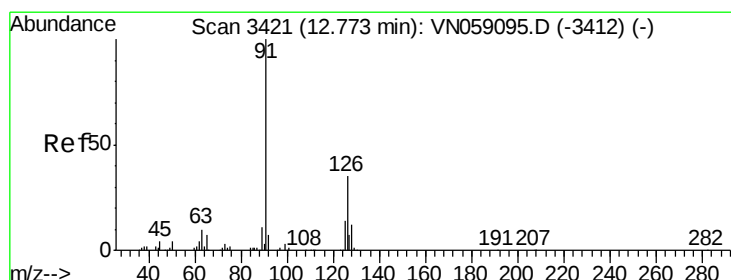
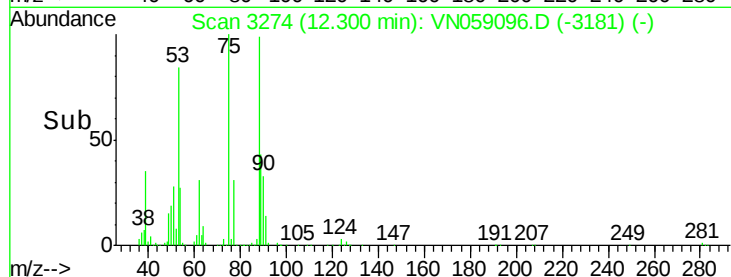
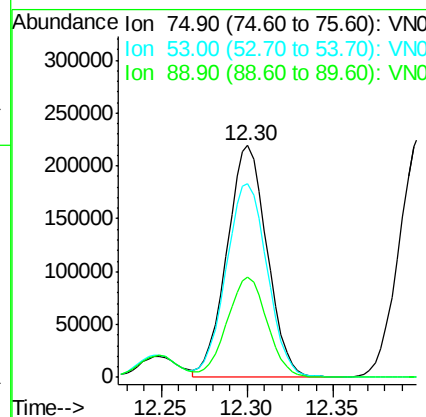
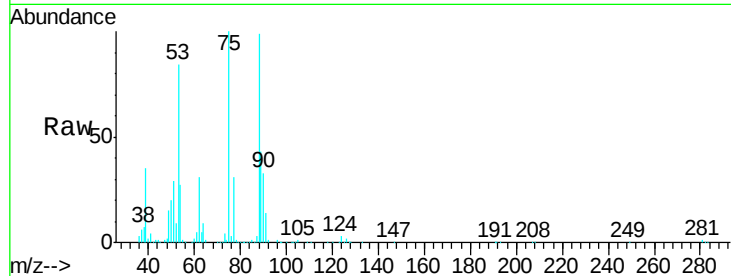
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	355346
Ion Ratio	Lower	Upper	
75	100		
53	86.4	72.2	108.2
89	43.7	35.8	53.8

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#82

4-Chlorotoluene

Concen: 94.004 ug/l

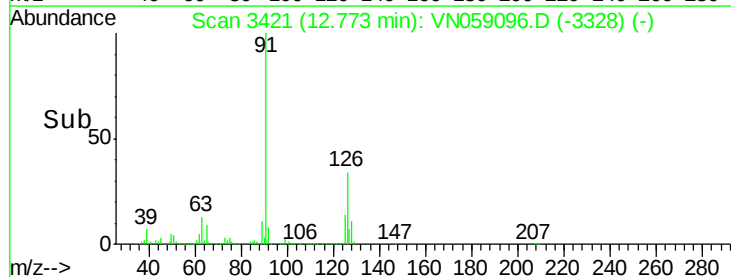
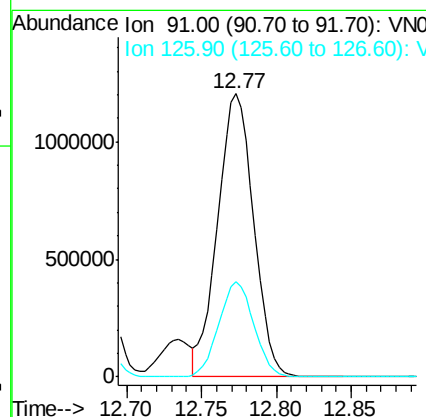
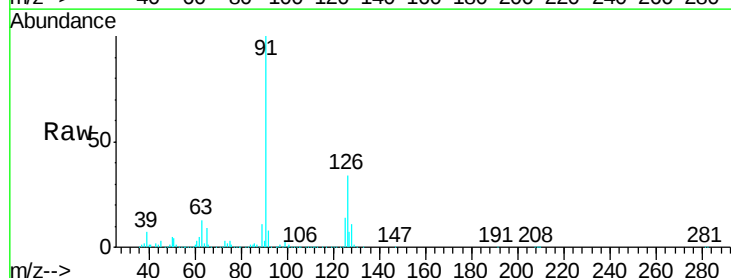
RT: 12.77 min Scan# 3421

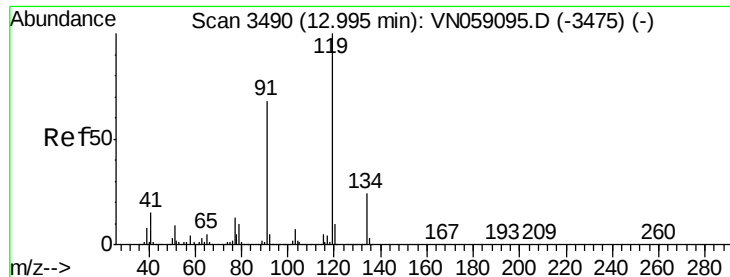
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:	91	Resp:	2014068
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.1	48.2





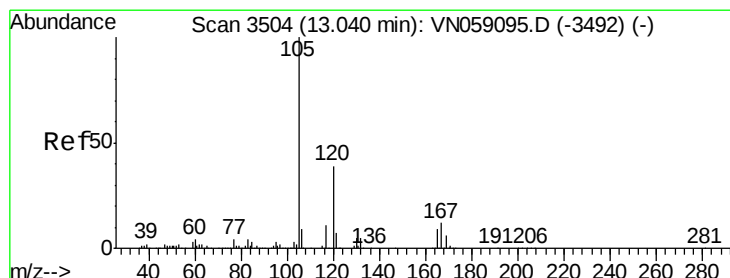
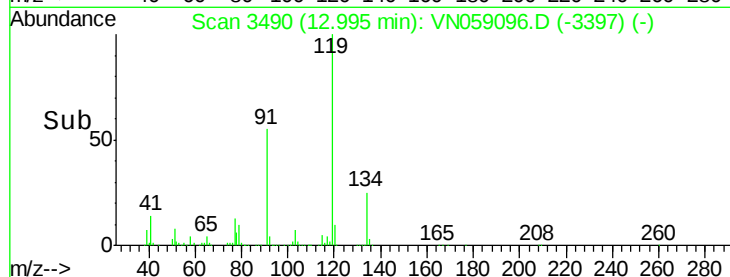
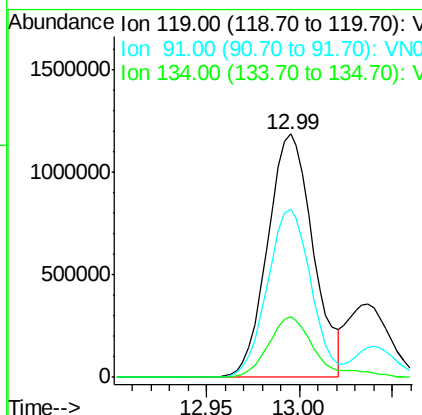
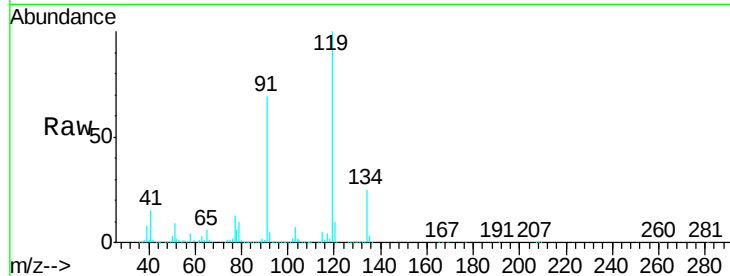
#83
tert-Butylbenzene
Concen: 95.514 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 2022520
Ion Ratio Lower Upper
119 100
91 66.8 33.2 99.6
134 25.5 12.7 38.1

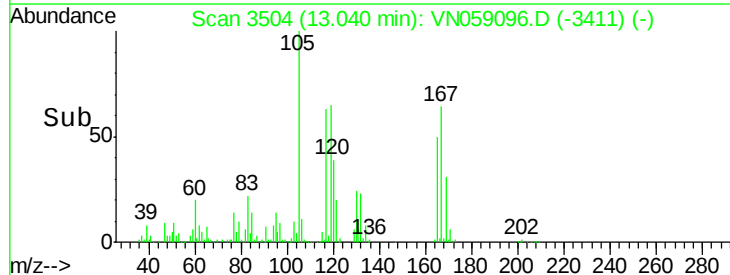
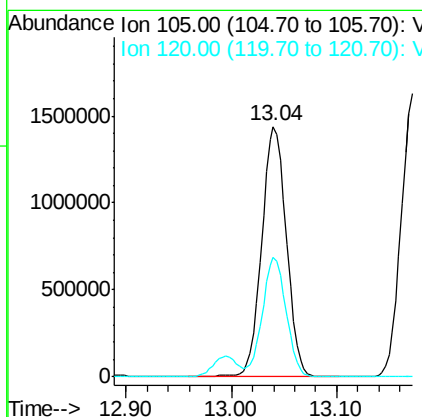
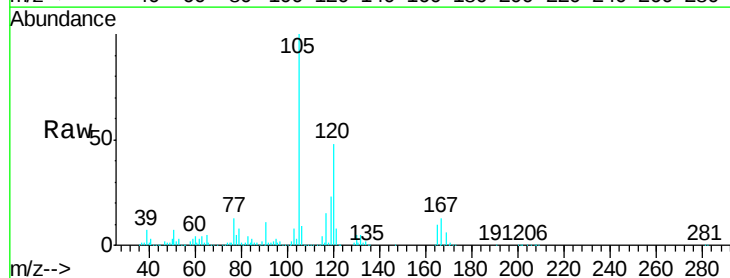
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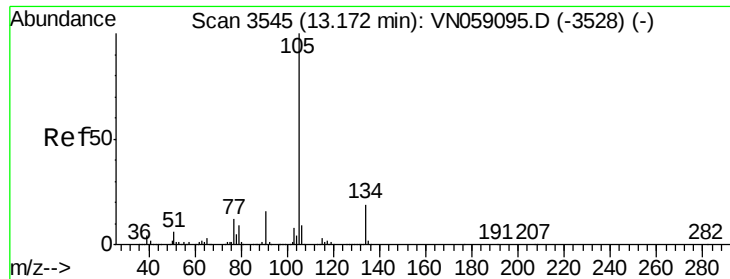
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#84
1,2,4-Trimethylbenzene
Concen: 97.710 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:105 Resp: 2351610
Ion Ratio Lower Upper
105 100
120 46.2 22.8 68.4





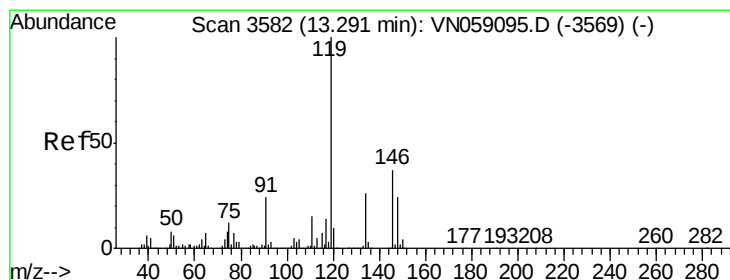
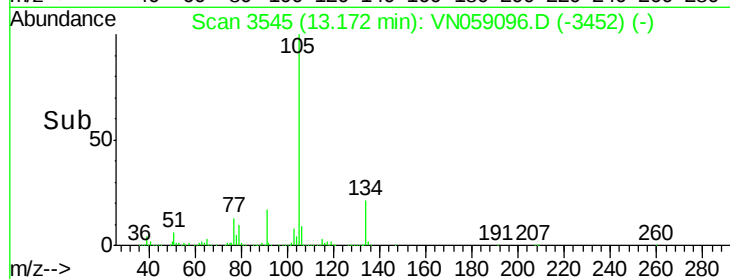
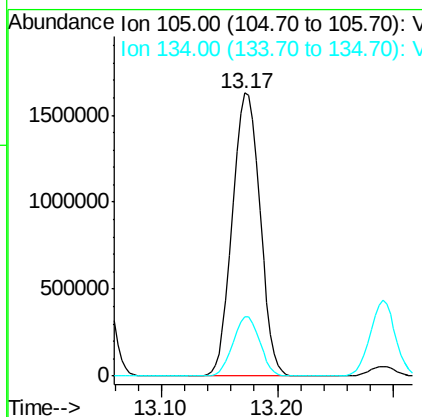
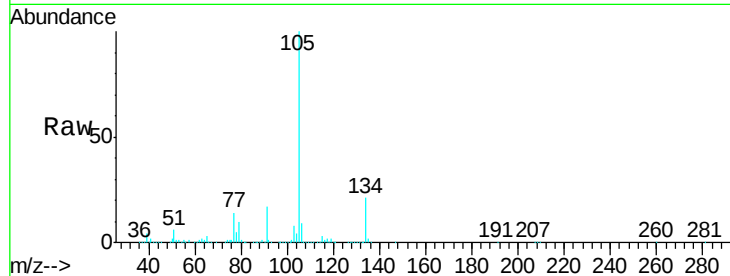
#85
 sec-Butylbenzene
 Concen: 96.720 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 2677485
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1

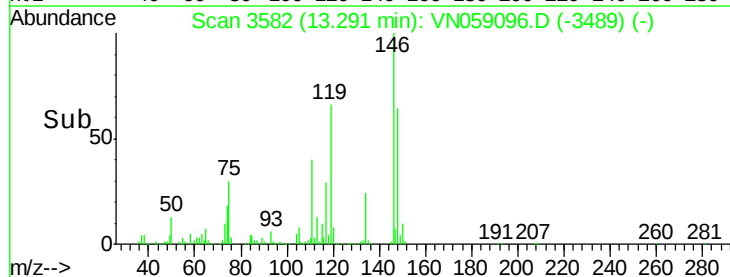
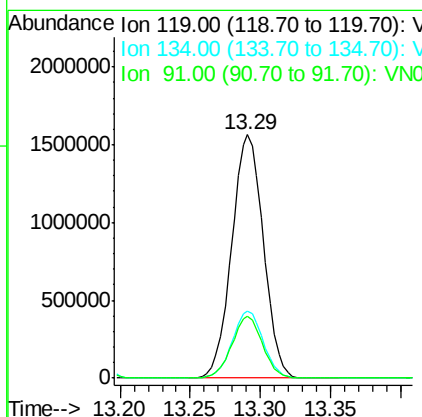
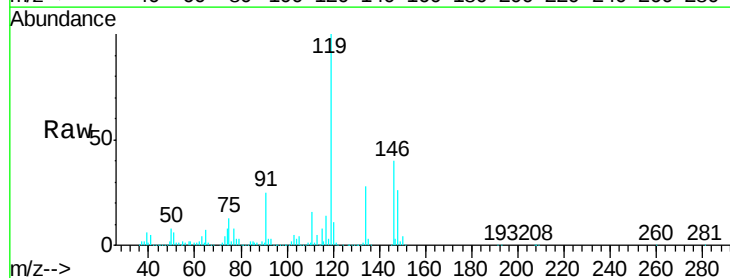
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#86
 p-Isopropyltoluene
 Concen: 98.126 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion:119 Resp: 2446361
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 38.9
 91 24.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 94.796 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

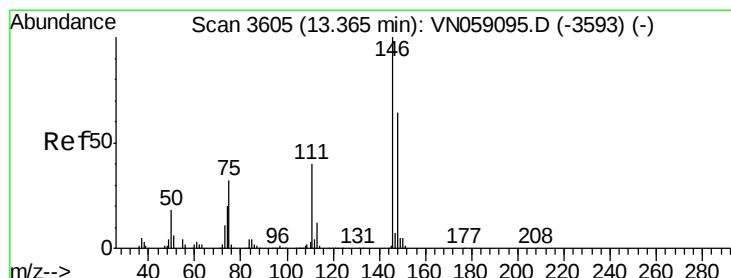
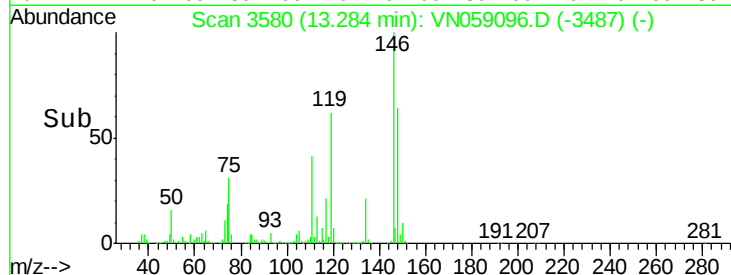
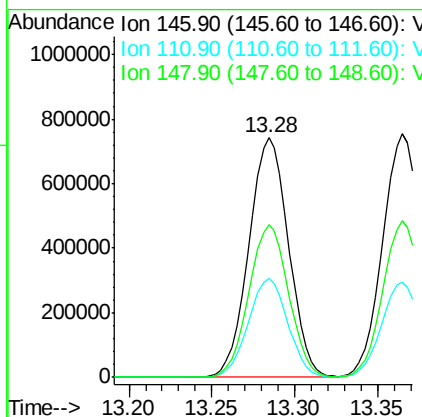
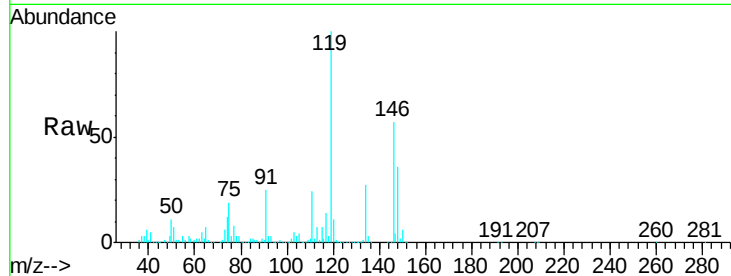
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	1230438
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 95.574 ug/l

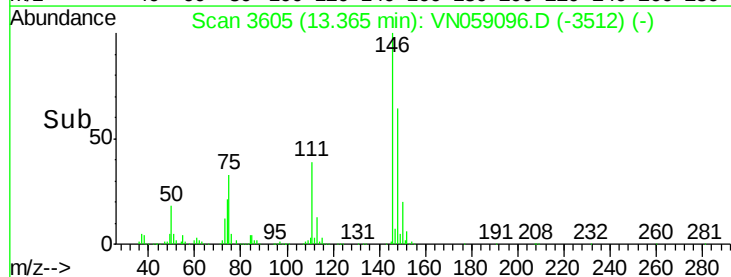
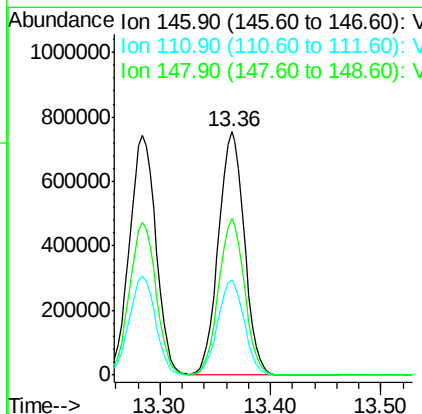
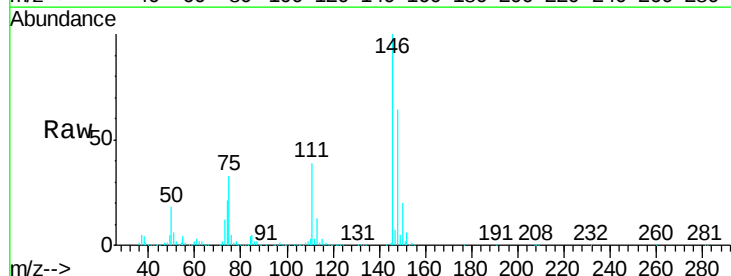
RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:	146	Resp:	1225805
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	64.1	31.9	95.7





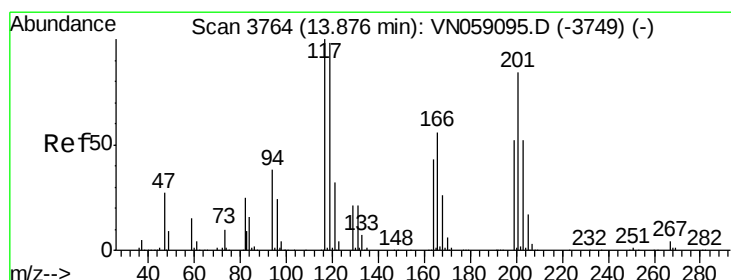
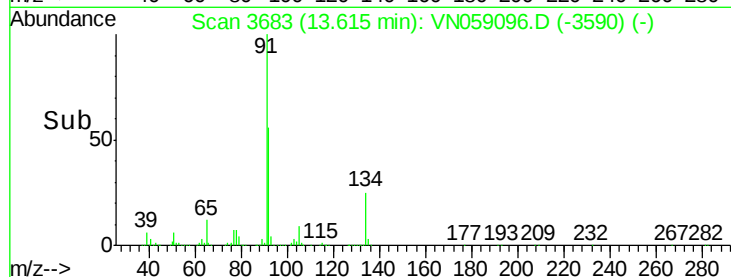
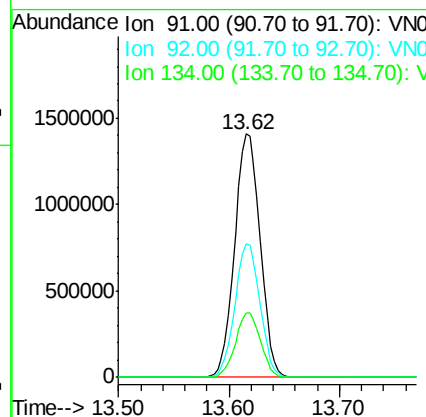
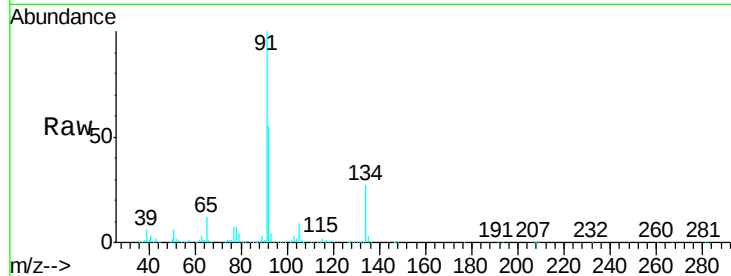
#89
n-Butylbenzene
Concen: 104.403 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 2260050
Ion Ratio Lower Upper
91 100
92 53.9 26.1 78.3
134 26.0 12.6 37.8

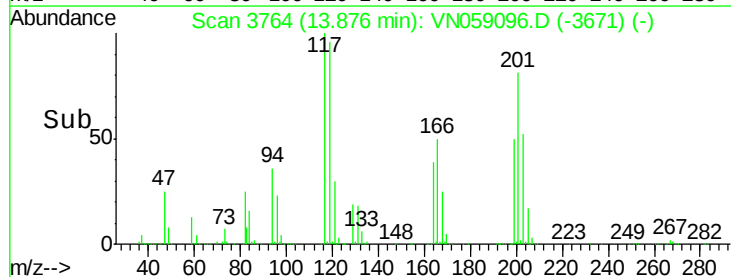
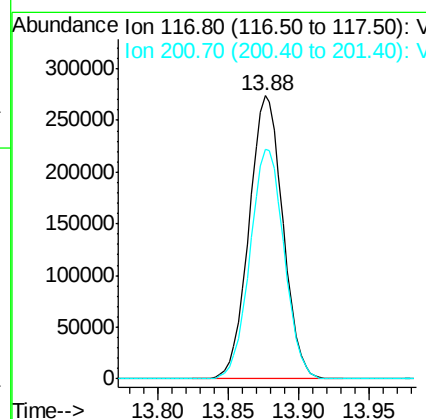
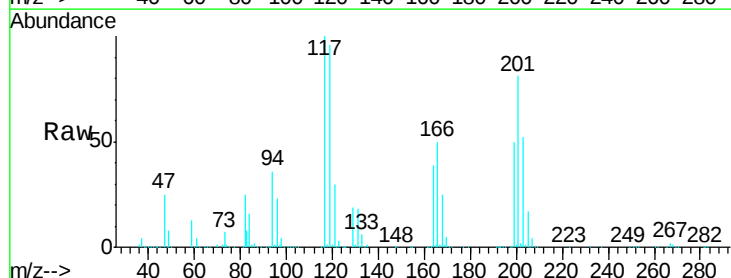
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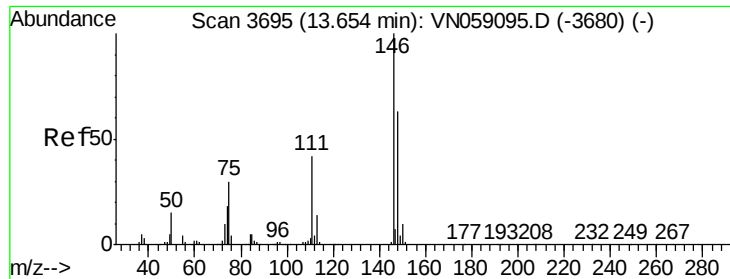
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#90
Hexachloroethane
Concen: 92.771 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 117 Resp: 459068
Ion Ratio Lower Upper
117 100
201 82.2 41.8 125.3





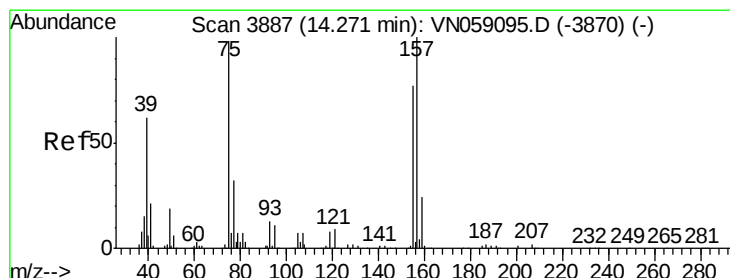
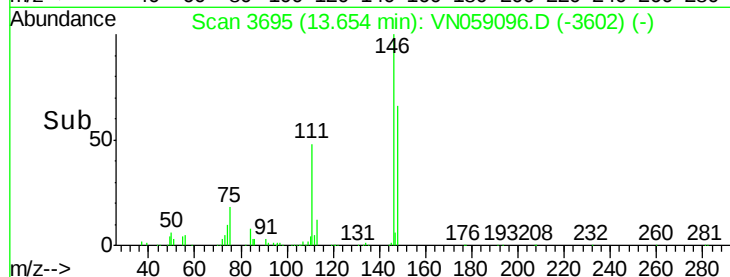
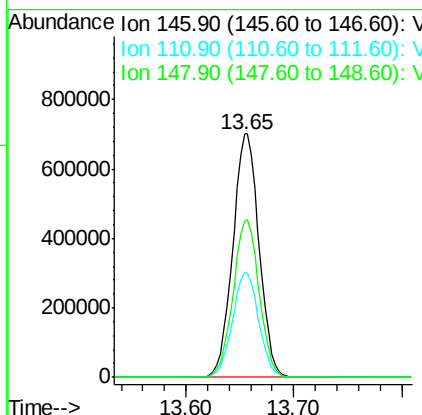
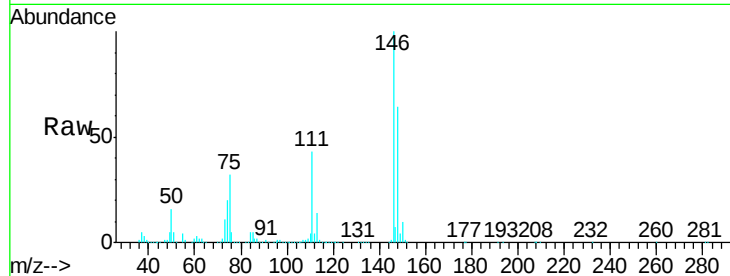
#91
 1,2-Dichlorobenzene
 Concen: 91.698 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	64.3	31.6	94.7

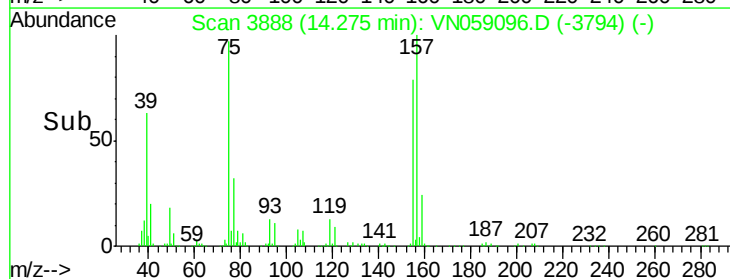
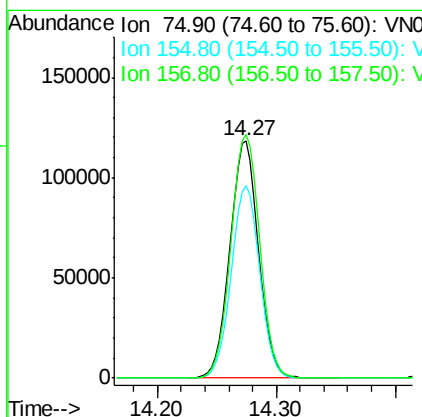
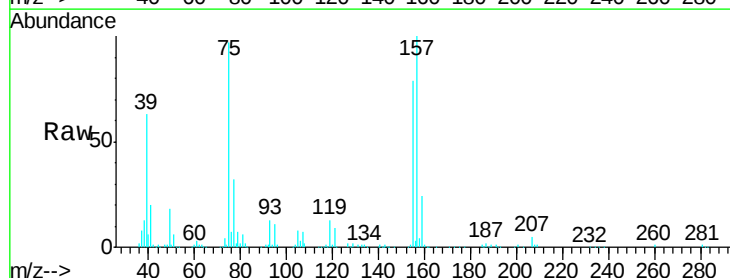
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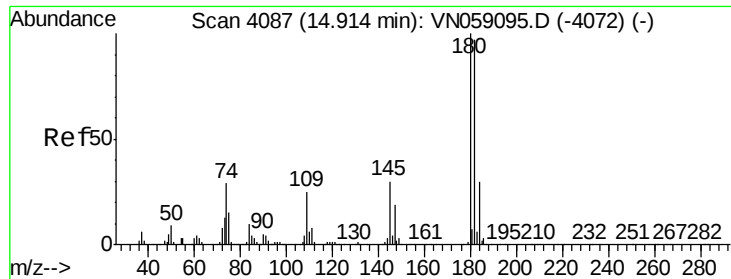
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.937 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	40.2	120.6
157	104.7	51.8	155.5





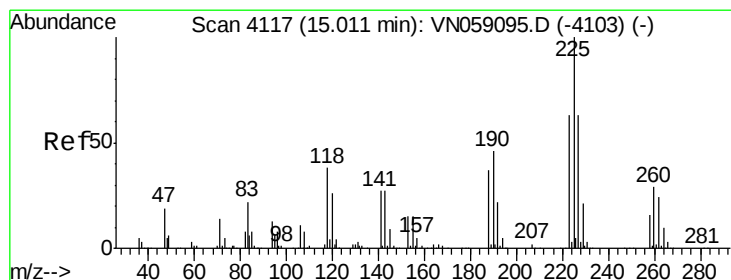
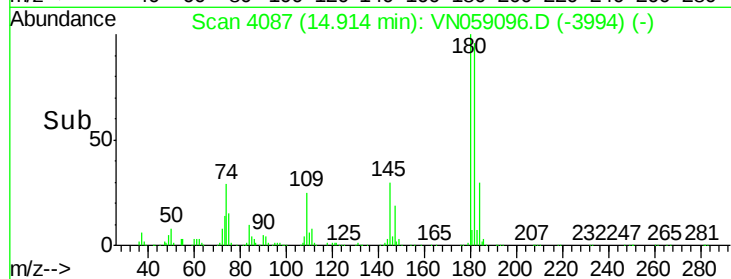
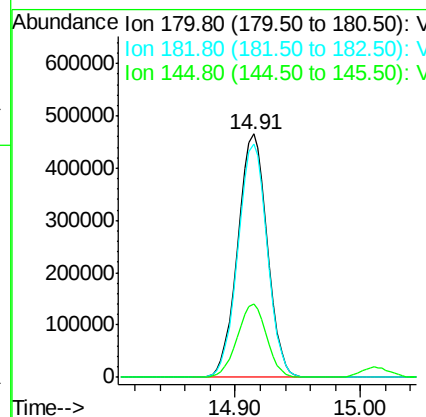
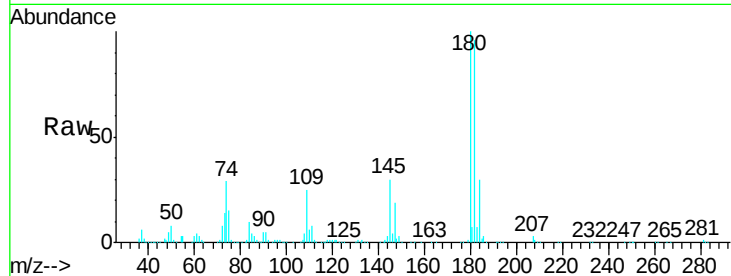
#93
 1,2,4-Trichlorobenzene
 Concen: 109.163 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	757930		
182	95.5	48.1	144.3	
145	30.1	15.1	45.3	

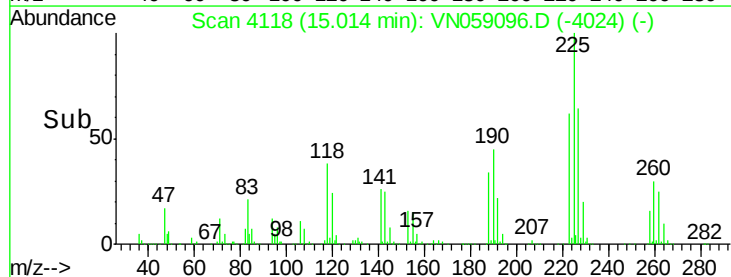
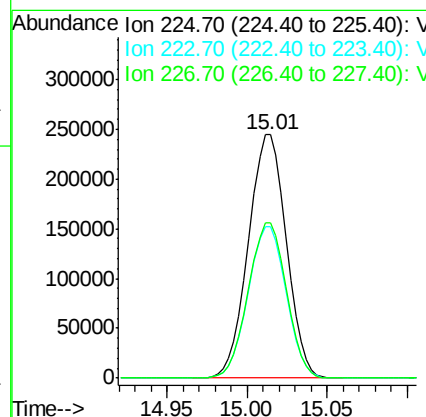
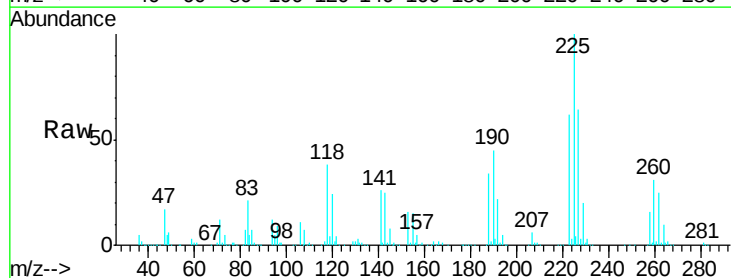
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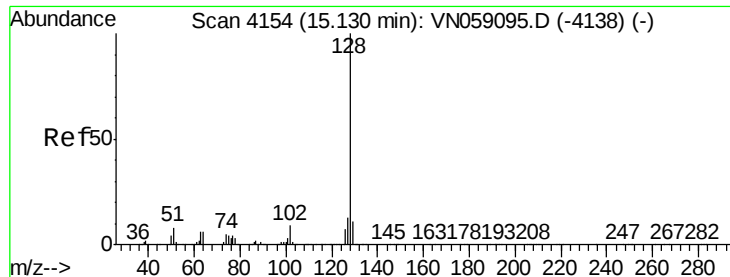
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#94
 Hexachlorobutadiene
 Concen: 94.335 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	395738		
223	62.6	31.3	93.9	
227	64.3	31.5	94.5	





#95

Naphthalene

Concen: 114.666 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

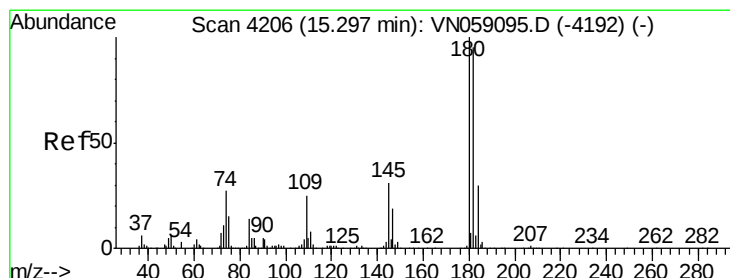
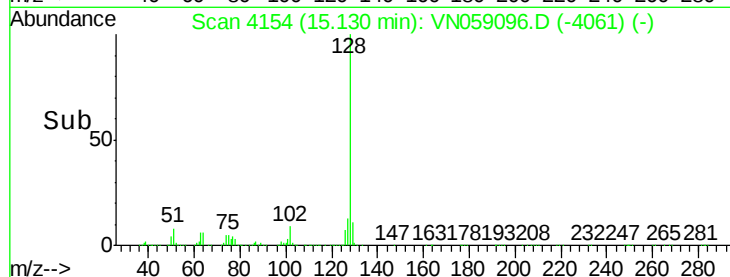
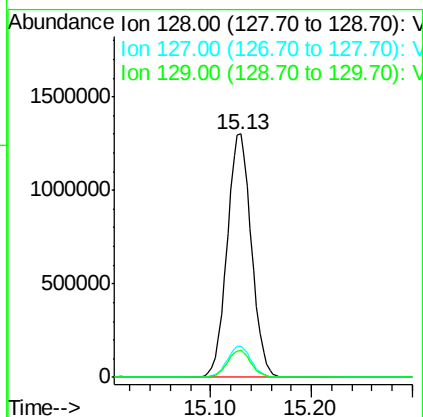
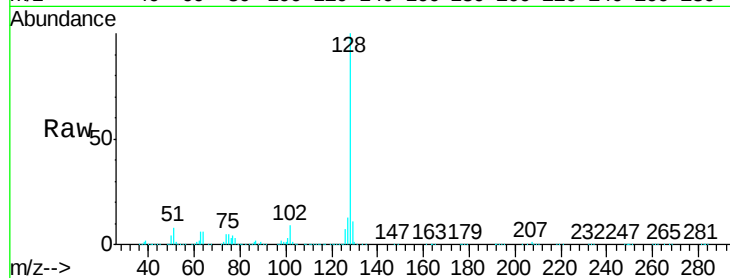
ClientSampleId :

VSTDIC100

Tgt Ion:	128	Resp:	2181147
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/7/2019 9:16:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 105.699 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:	180	Resp:	750533
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	32.0	15.8	47.3

