

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054596.D
 Acq On : 23 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:23:27 AM

Quant Time: Mar 25 03:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	466335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	750640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	300906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	296362	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	7.59	113	234910	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.09	98	876017	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	305383	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	241900	54.262	ug/l	98
3) Chloromethane	2.06	50	319115	52.611	ug/l	96
4) Vinyl Chloride	2.19	62	284892	46.782	ug/l	99
5) Bromomethane	2.57	94	170018	43.176	ug/l	99
6) Chloroethane	2.71	64	162546	44.501	ug/l	99
7) Trichlorofluoromethane	3.02	101	360405	48.733	ug/l	98
8) Diethyl Ether	3.41	74	127355	44.776	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	203049	46.717	ug/l	93
10) Methyl Iodide	3.94	142	275331	43.064	ug/l #	90
11) Tert butyl alcohol	4.82	59	99364	282.949	ug/l	98
12) 1,1-Dichloroethene	3.73	96	190711	42.399	ug/l #	77
13) Acrolein	3.61	56	215795	445.285	ug/l	96
14) Allyl chloride	4.31	41	457139	53.972	ug/l #	92
15) Acrylonitrile	4.99	53	507202	290.027	ug/l	99
16) Acetone	3.82	43	465233	266.775	ug/l #	84
17) Carbon Disulfide	4.04	76	548720	45.530	ug/l	99
18) Methyl Acetate	4.33	43	227964	58.648	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	708207	53.950	ug/l	95
20) Methylene Chloride	4.55	84	266325	51.807	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237211	51.647	ug/l	84
22) Diisopropyl ether	5.96	45	947175	56.694	ug/l #	93
23) Vinyl Acetate	5.90	43	3451061	292.475	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	485581	53.980	ug/l	97
25) 2-Butanone	6.85	43	688468	308.185	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	346042	53.964	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	283853	51.814	ug/l	87
28) Bromochloromethane	7.19	49	242976	54.875	ug/l #	72
29) Tetrahydrofuran	7.22	42	433087	298.745	ug/l #	84
30) Chloroform	7.37	83	470632	53.610	ug/l	99
31) Cyclohexane	7.65	56	465555	54.166	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	384910	53.145	ug/l	96
36) 1,1-Dichloropropene	7.79	75	359129	51.169	ug/l	96
37) Ethyl Acetate	6.94	43	289975	58.090	ug/l #	95
38) Carbon Tetrachloride	7.77	117	335444	49.182	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	415170	51.712	ug/l	89
40) Benzene	8.04	78	1037028	51.671	ug/l	99
41) Methacrylonitrile	7.18	41	154363	50.706	ug/l	91
42) 1,2-Dichloroethane	8.12	62	379694	51.949	ug/l	97
43) Isopropyl Acetate	8.17	43	483530	57.355	ug/l #	94
44) Trichloroethene	8.83	130	276471	49.548	ug/l	92
45) 1,2-Dichloropropane	9.12	63	295565	54.844	ug/l	98
46) Dibromomethane	9.21	93	169539	52.733	ug/l	90
47) Bromodichloromethane	9.40	83	350154	52.478	ug/l	98
48) Methyl methacrylate	9.20	41	253218	55.339	ug/l	87
49) 1,4-Dioxane	9.20	88	54611	1067.573	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1371954	293.641	ug/l	93
52) Toluene	10.16	92	630738	51.097	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	345880	49.179	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	416607	54.454	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	233608	52.648	ug/l	96
56) Ethyl methacrylate	10.43	69	335832	56.389	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	414957	53.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	630407	257.059	ug/l	89
59) 2-Hexanone	10.75	43	904383	296.341	ug/l	92
60) Dibromochloromethane	10.90	129	247686	52.458	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229748	52.374	ug/l	99
64) Tetrachloroethene	10.63	164	263472	48.741	ug/l	95
65) Chlorobenzene	11.43	112	675805	50.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245863	51.679	ug/l	98
67) Ethyl Benzene	11.51	91	1214292	51.863	ug/l	98
68) m/p-Xylenes	11.62	106	915705	103.254	ug/l	96
69) o-Xylene	11.95	106	441841	51.015	ug/l	97
70) Styrene	11.96	104	739847	52.603	ug/l	97
71) Bromoform	12.13	173	152029	46.513	ug/l	99
73) Isopropylbenzene	12.25	105	1174670	48.445	ug/l	98
74) N-amyl acetate	12.07	43	404702	58.046	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	292233	52.796	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262774m	55.032	ug/l	
77) Bromobenzene	12.53	156	288325	47.944	ug/l	84
78) n-propylbenzene	12.59	91	1324853	50.388	ug/l	97
79) 2-Chlorotoluene	12.67	91	787393	48.023	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	984699	49.550	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63262	45.948	ug/l #	81
82) 4-Chlorotoluene	12.77	91	798015	50.211	ug/l	96
83) tert-Butylbenzene	12.99	119	850158	49.147	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	967877	49.635	ug/l	98
85) sec-Butylbenzene	13.17	105	1071771	49.702	ug/l	98
86) p-Isopropyltoluene	13.29	119	971174	50.340	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	497272	49.898	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	486303	50.154	ug/l	98
89) n-Butylbenzene	13.61	91	818900	54.285	ug/l	98
90) Hexachloroethane	13.88	117	149315	49.861	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	488668	50.625	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43789	53.936	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262018	54.452	ug/l	99
94) Hexachlorobutadiene	15.01	225	162463	60.618	ug/l	100
95) Naphthalene	15.13	128	593810	55.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	256560	53.571	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 466335

Ion Ratio Lower Upper

168 100

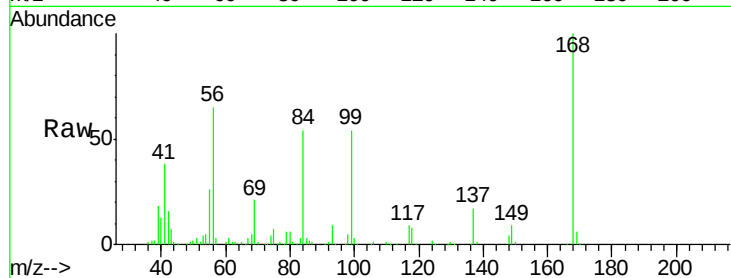
99 53.0 37.1 55.7

Manual Integrations

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3/25/2019 10:23:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

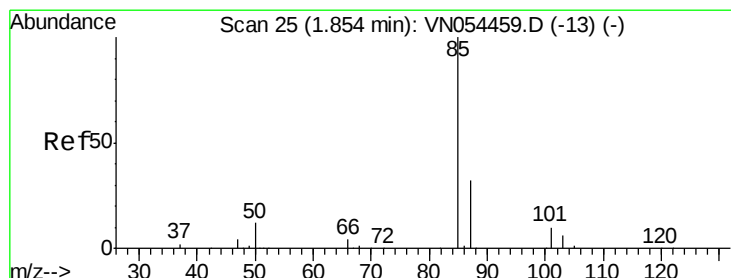
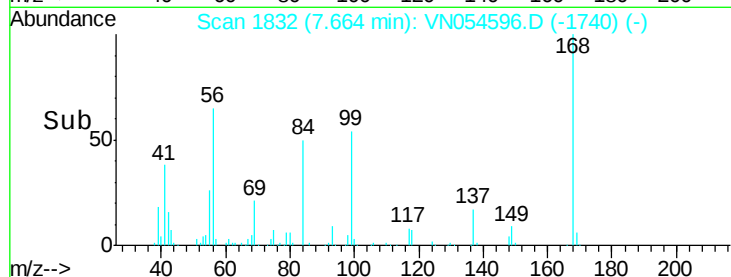
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 54.262 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054596.D

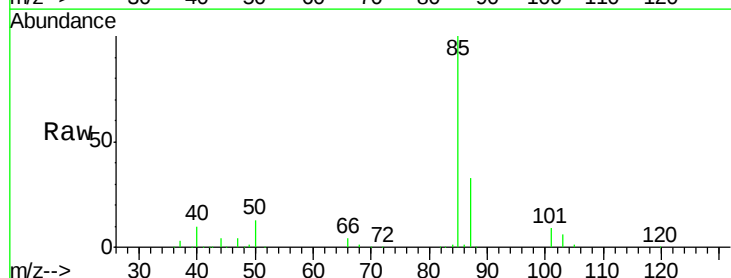
Acq: 23 Mar 2019 11:14

Tgt Ion: 85 Resp: 241900

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

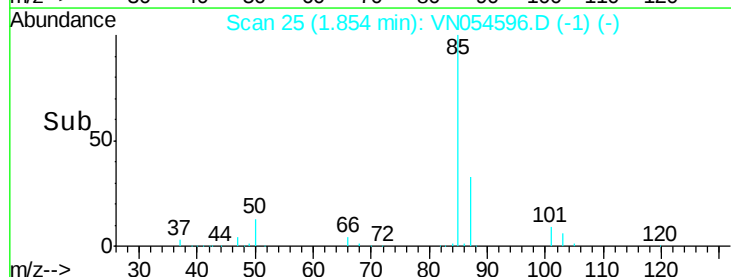
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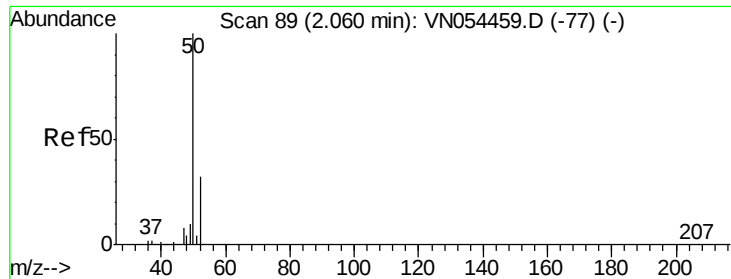
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.611 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 319115

Ion Ratio Lower Upper

50 100

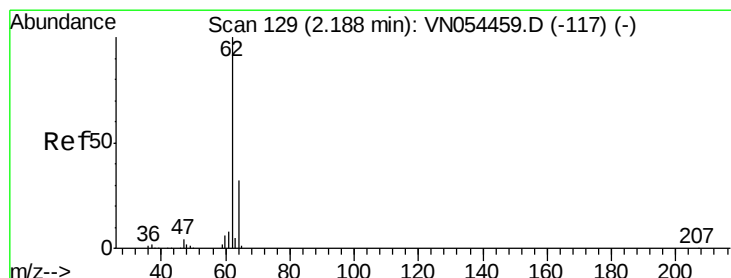
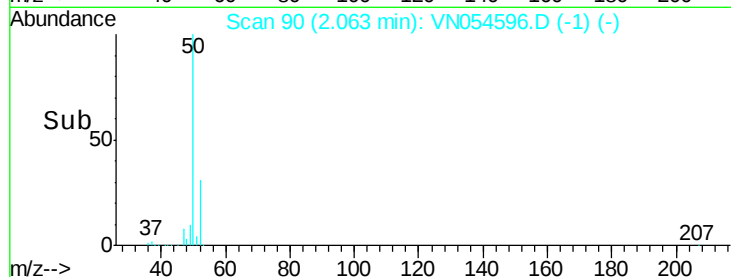
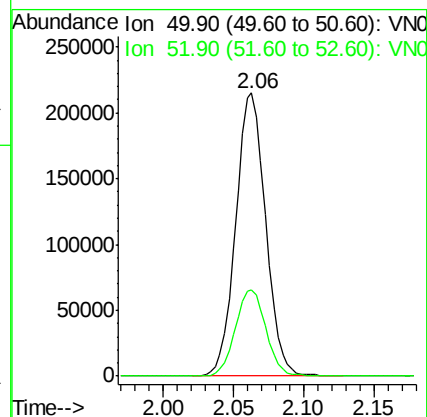
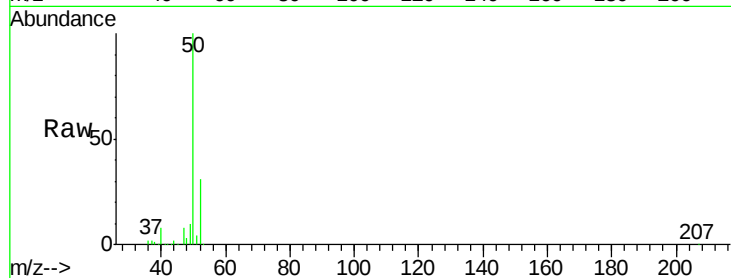
52 30.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.782 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054596.D

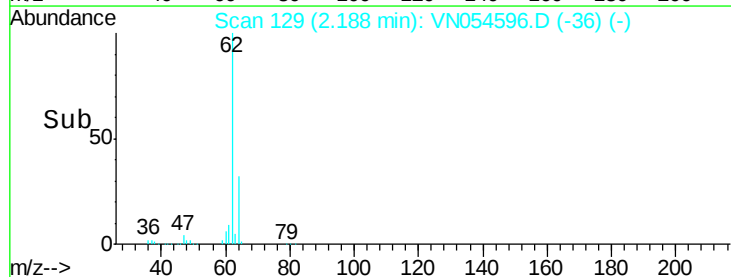
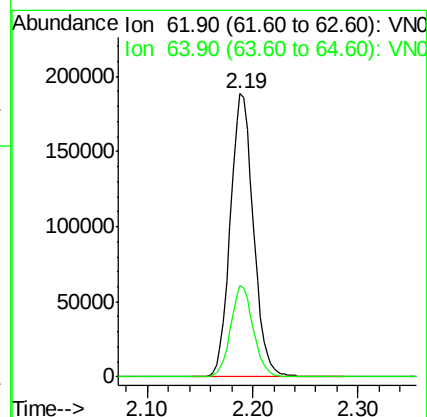
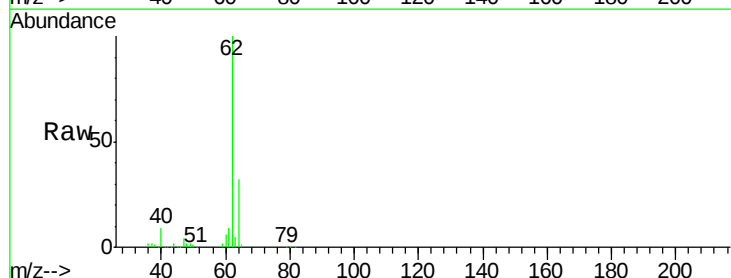
Acq: 23 Mar 2019 11:14

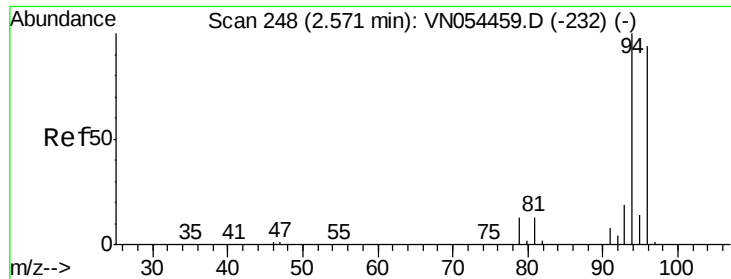
Tgt Ion: 62 Resp: 284892

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 43.176 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 170018

Ion Ratio Lower Upper

94 100

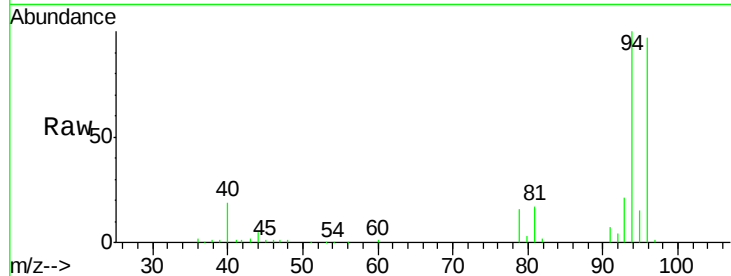
96 97.0 77.0 115.4

Manual Integrations

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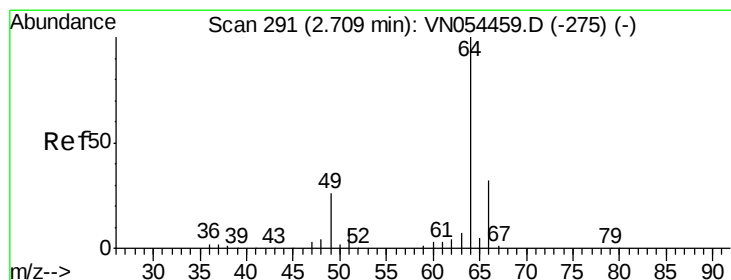
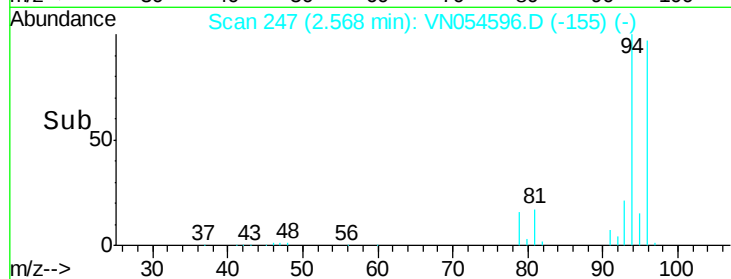
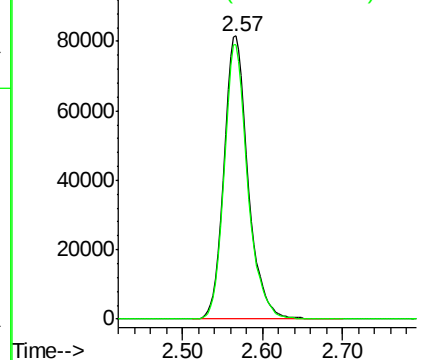
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.501 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054596.D

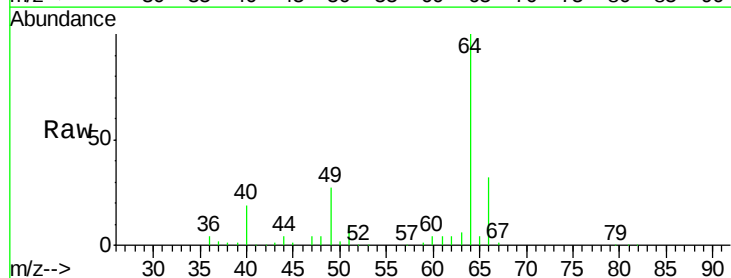
Acq: 23 Mar 2019 11:14

Tgt Ion: 64 Resp: 162546

Ion Ratio Lower Upper

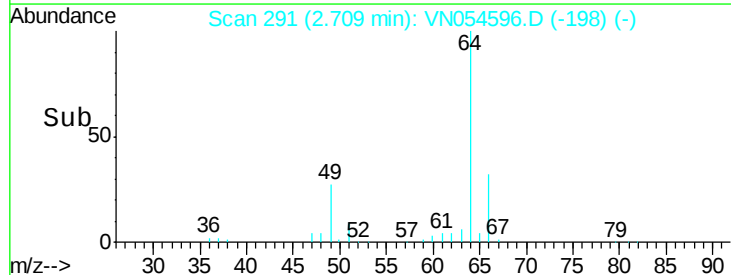
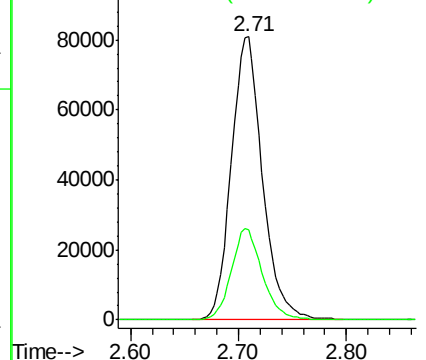
64 100

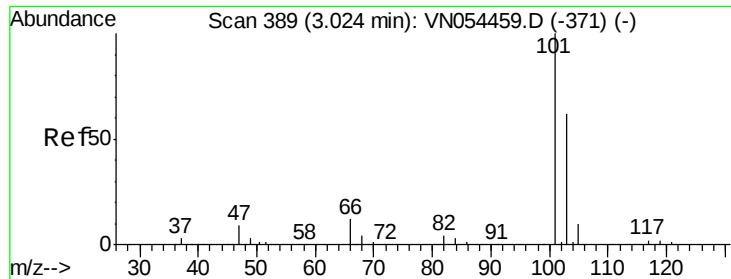
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

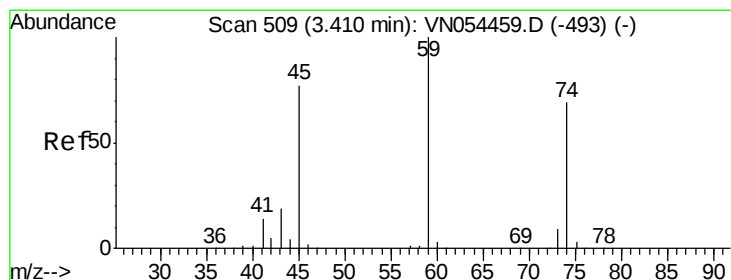
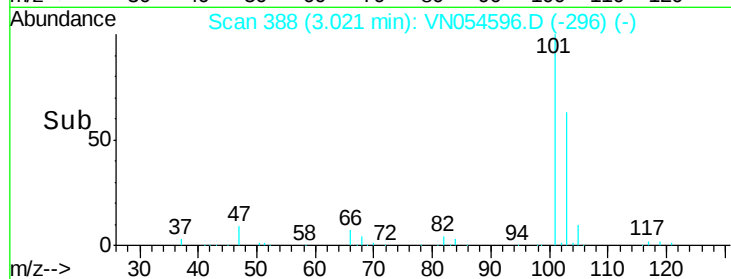
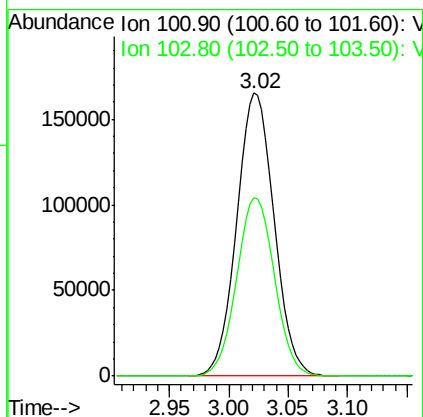
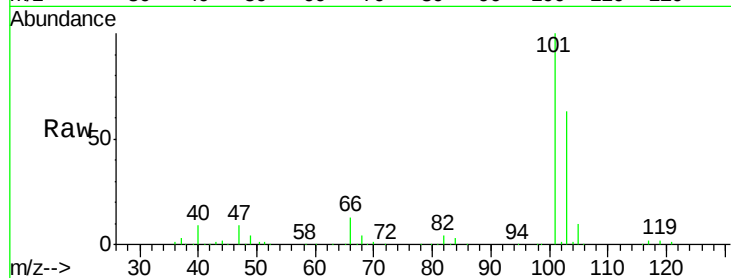
Trichlorofluoromethane
Concen: 48.733 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.4	77.2

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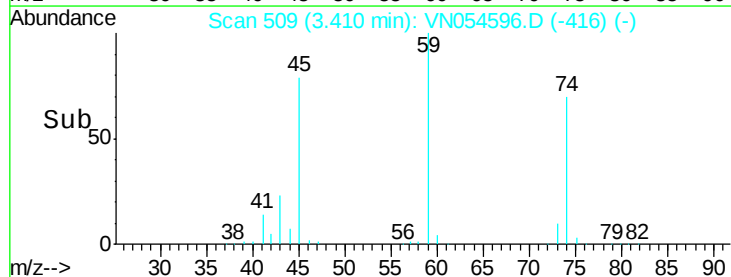
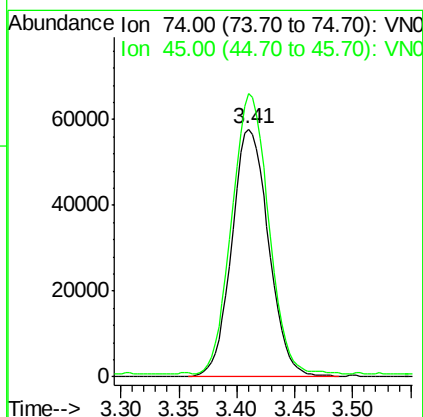
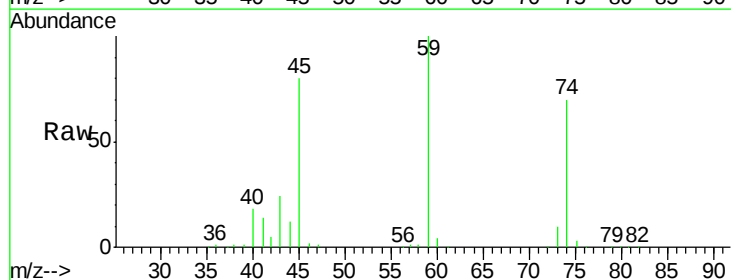
MMDadoda
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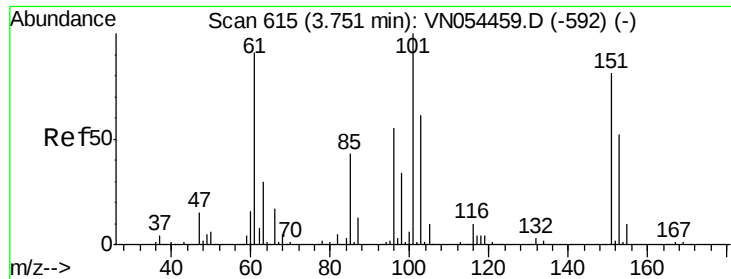


#8

Diethyl Ether
Concen: 44.776 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.5	43.1	129.4





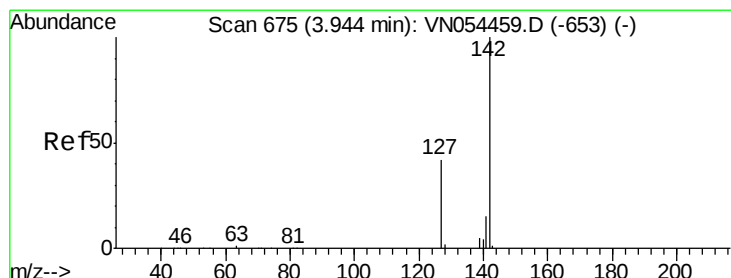
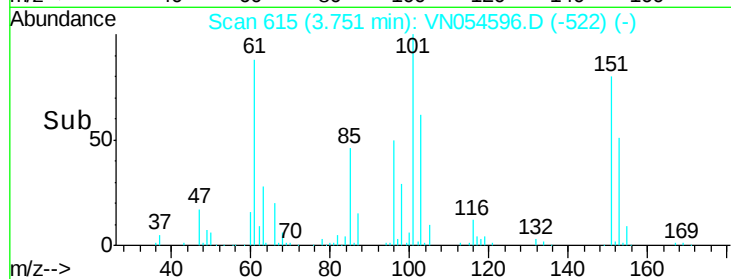
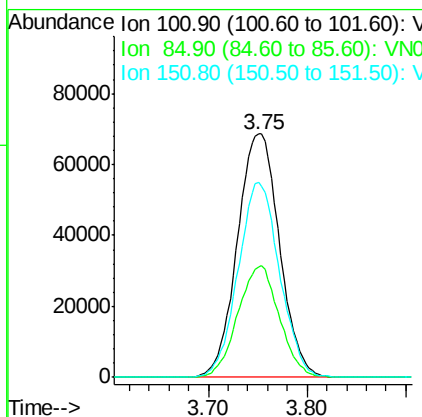
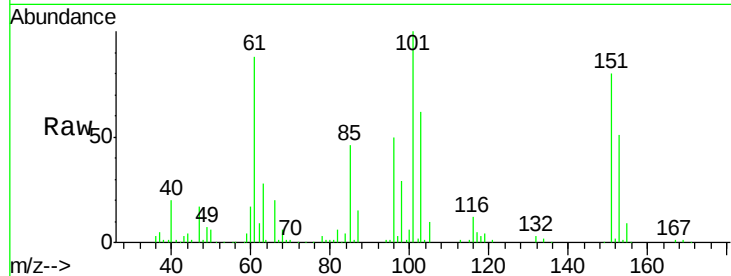
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.717 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	32.4	48.6
151	78.8	68.2	102.2

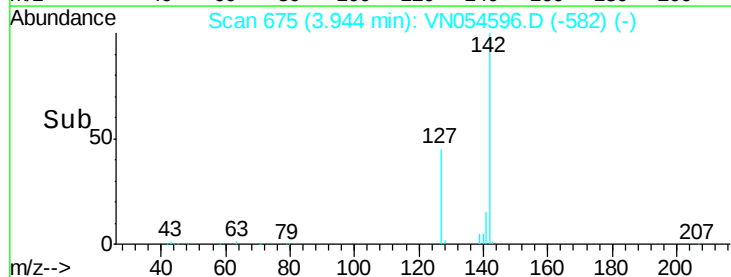
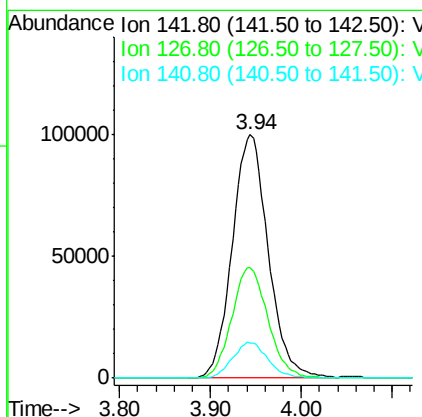
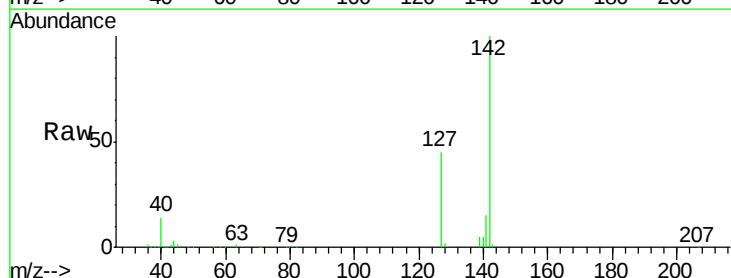
Manual Integrations
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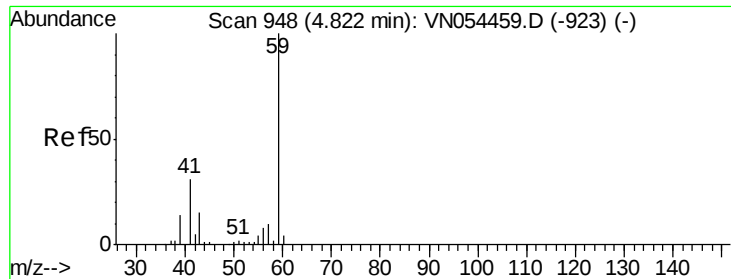
MMDadoda
 3/25/2019 10:23:27 AM



#10
 Methyl Iodide
 Concen: 43.064 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.7	30.3	45.5#
141	14.5	11.2	16.8





#11

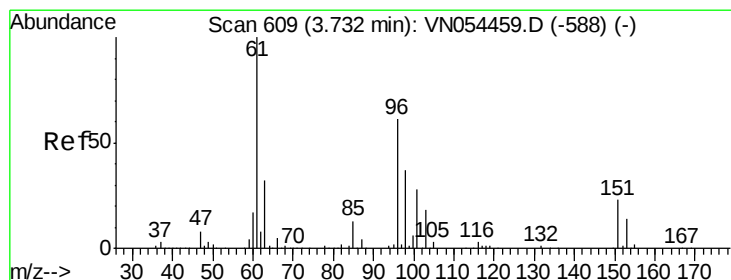
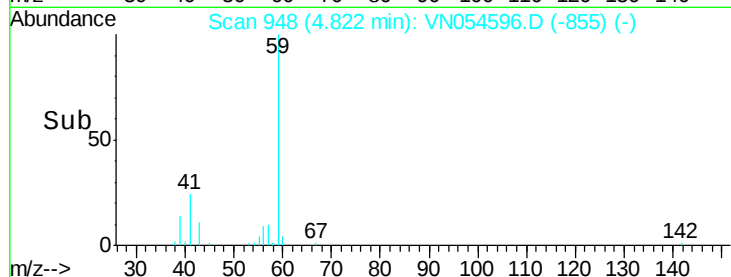
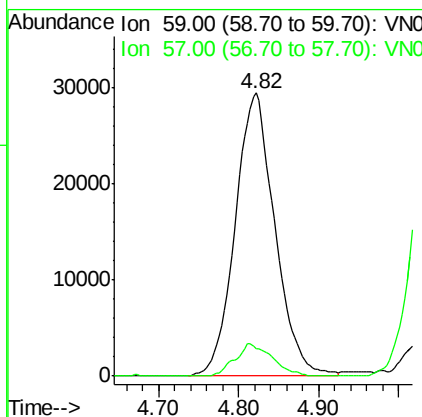
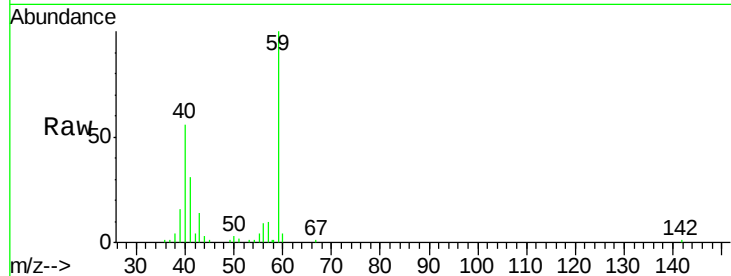
Tert butyl alcohol
Concen: 282.949 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.6

Manual Integrations
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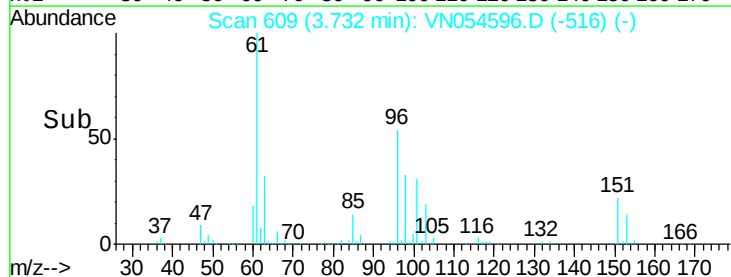
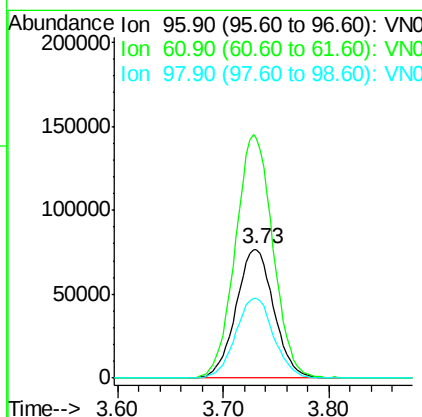
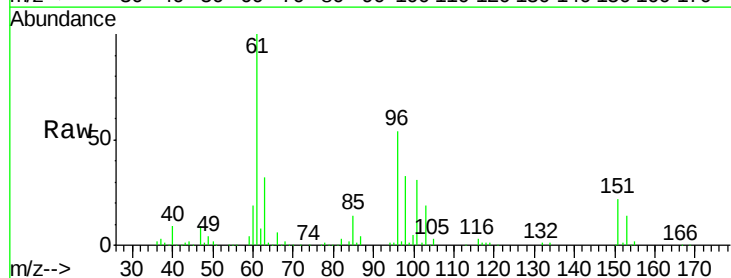
MMDadoda
3/25/2019 10:23:27 AM

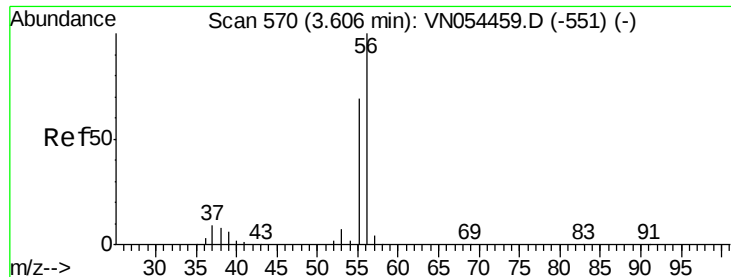


#12

1,1-Dichloroethene
Concen: 42.399 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	116.5	174.7#
98	62.1	51.0	76.4





#13

Acrolein

Concen: 445.285 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 215795

Ion Ratio Lower Upper

56 100

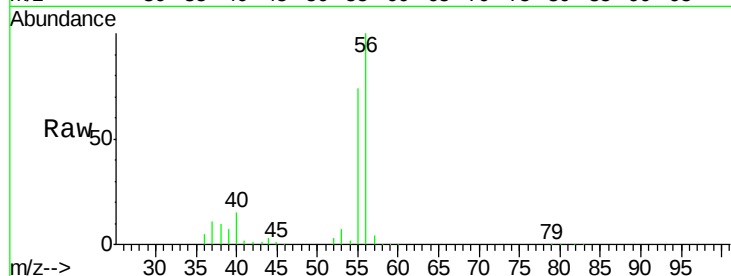
55 73.8 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

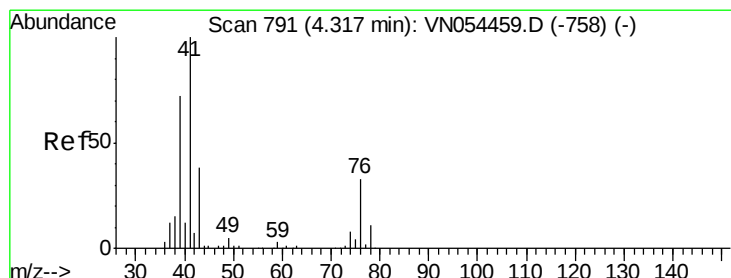
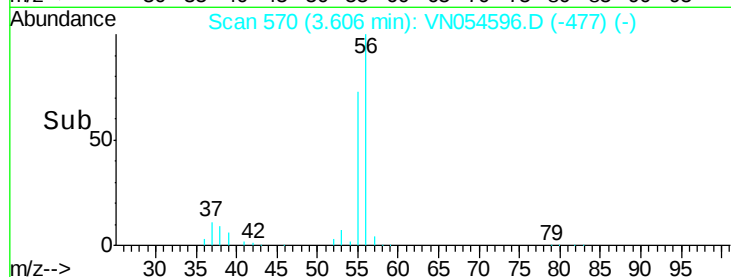
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 53.972 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

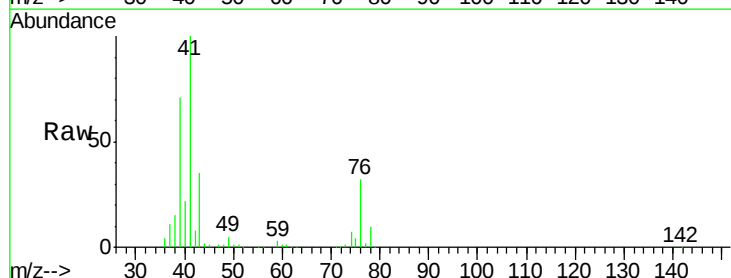
Tgt Ion: 41 Resp: 457139

Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

76 29.9 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

200000

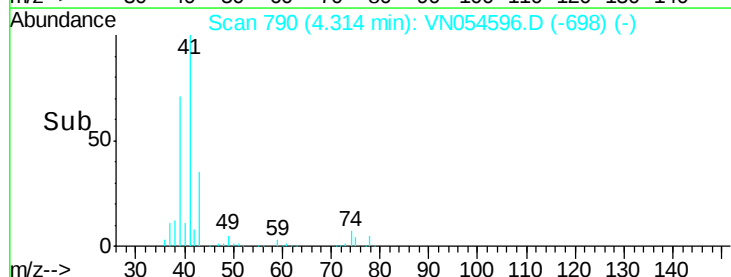
150000

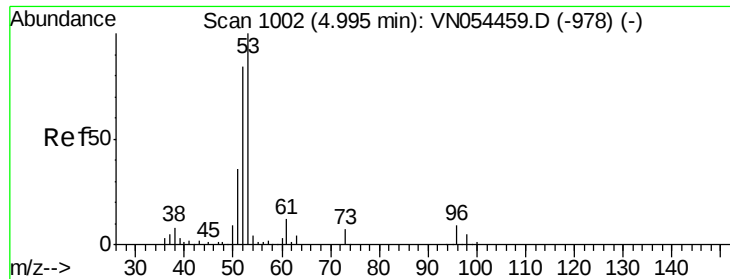
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 290.027 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

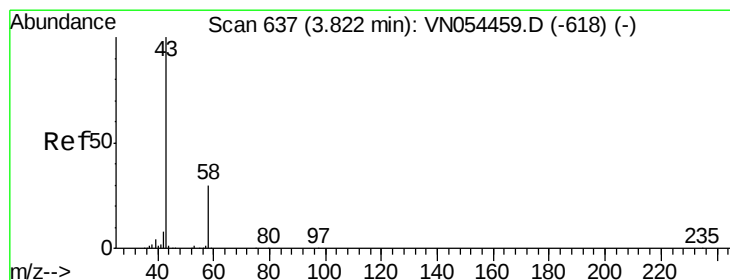
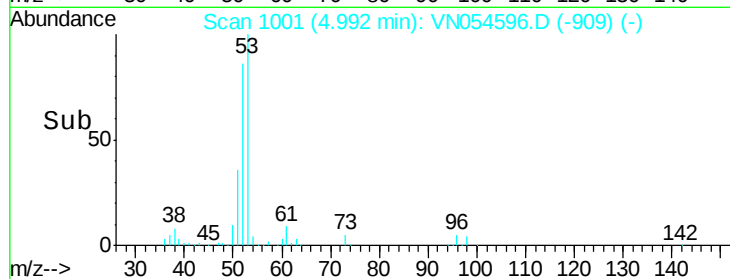
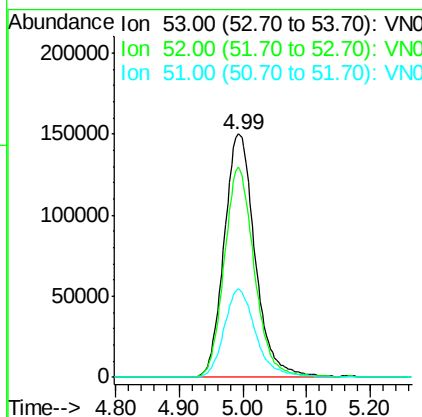
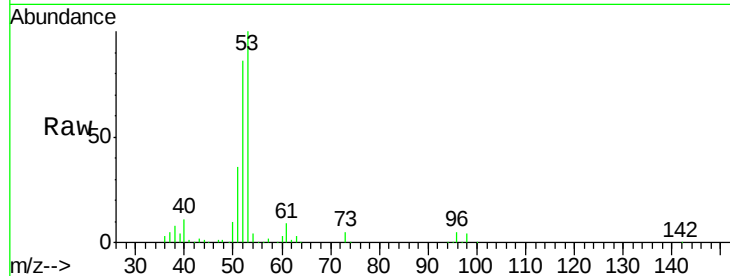
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	507202
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.4	99.6
51	37.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 266.775 ug/l

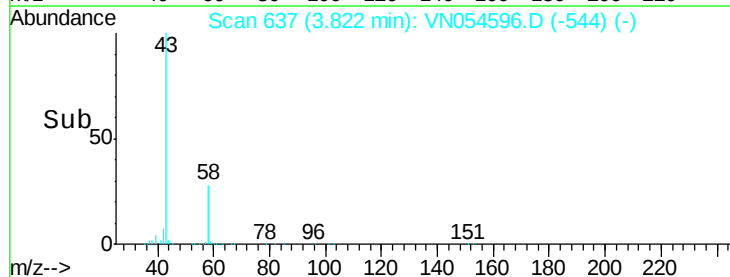
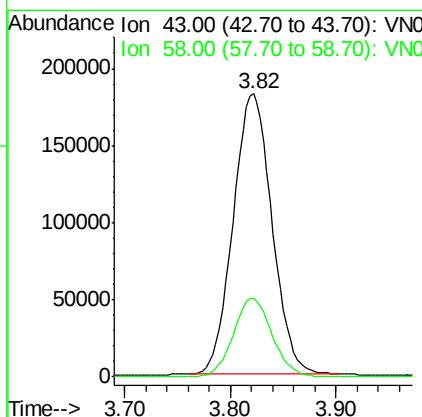
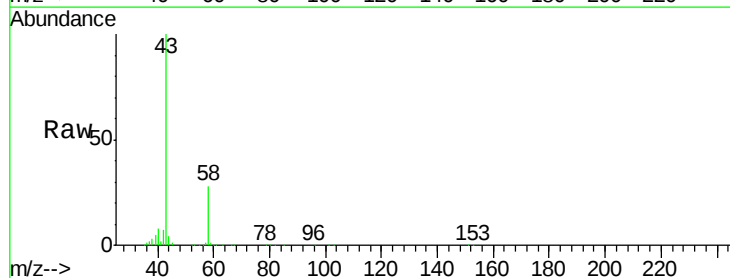
RT: 3.82 min Scan# 637

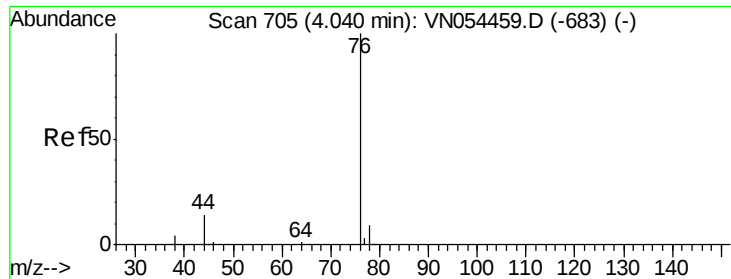
Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion:	43	Resp:	465233
Ion Ratio	Lower	Upper	
43	100		
58	27.7	29.9	44.9#





#17

Carbon Disulfide

Concen: 45.530 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 548720

Ion Ratio Lower Upper

76 100

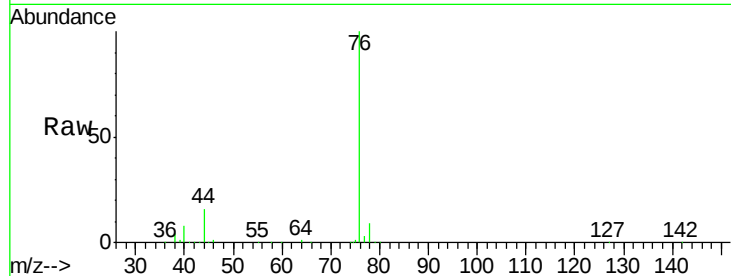
78 8.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

250000

200000

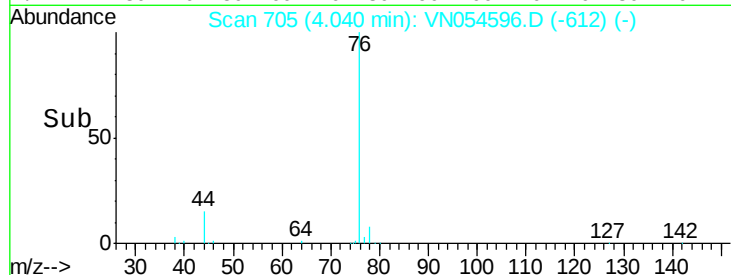
150000

100000

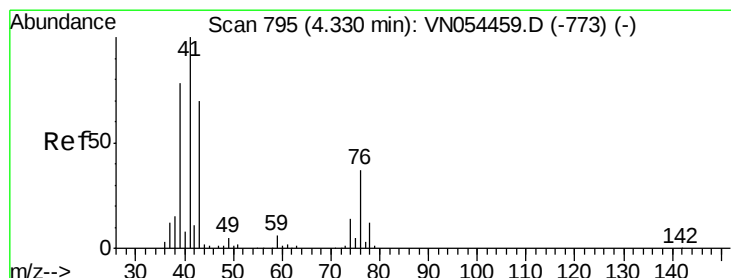
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 58.648 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054596.D

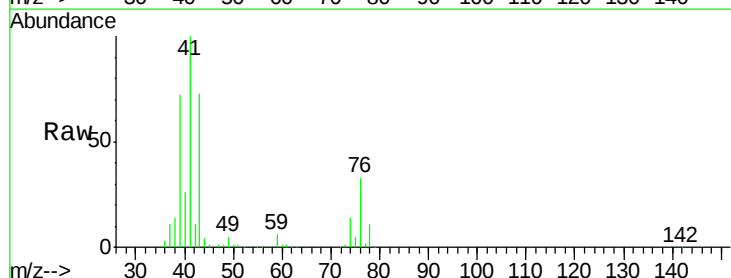
Acq: 23 Mar 2019 11:14

Tgt Ion: 43 Resp: 227964

Ion Ratio Lower Upper

43 100

74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

80000

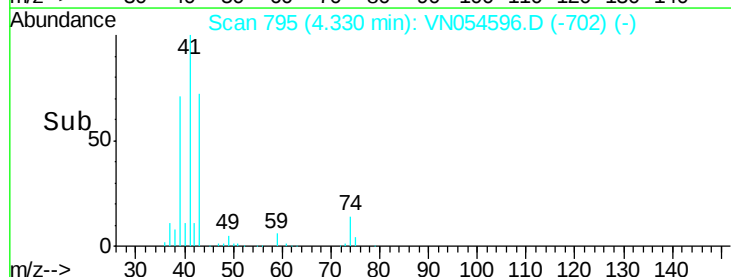
60000

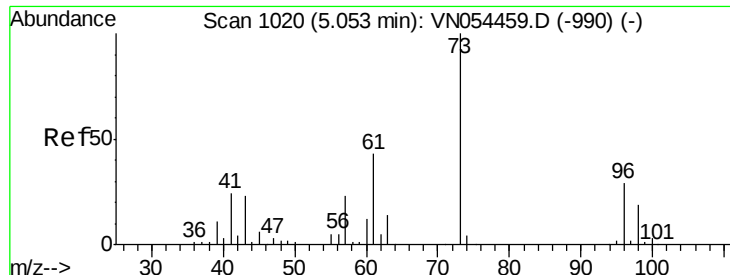
40000

20000

0

Time-->





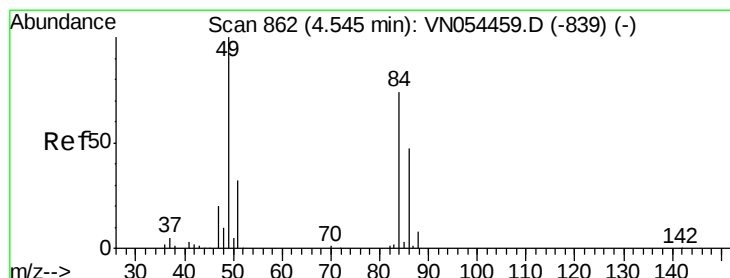
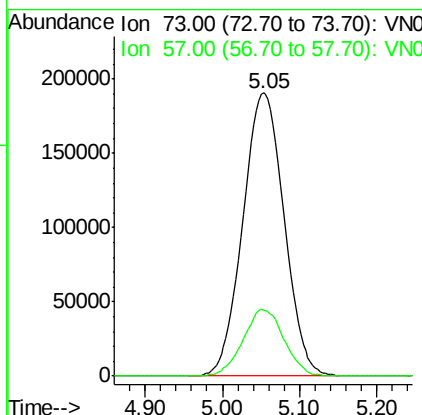
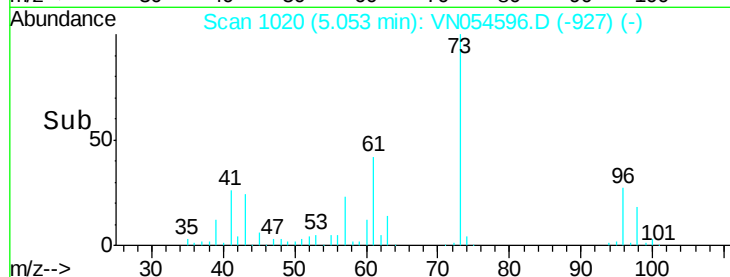
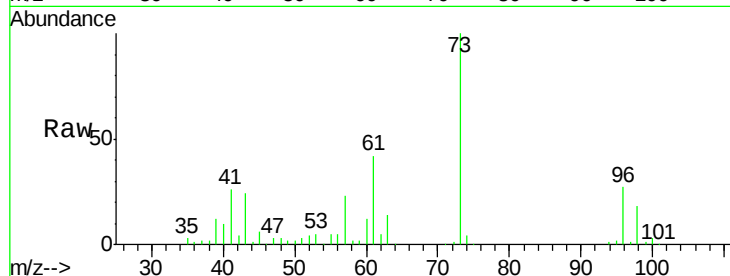
#19
Methvl tert-butvl Ether
Concen: 53.950 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 708207
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

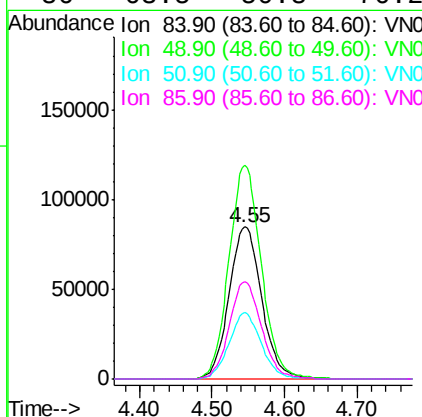
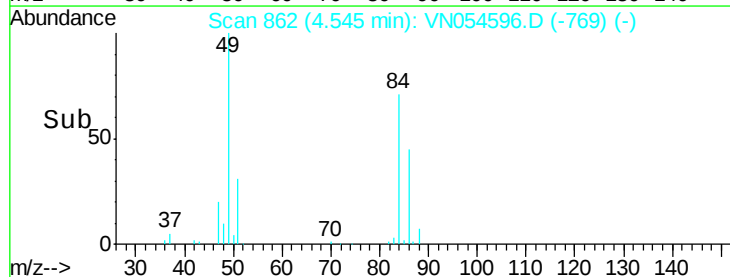
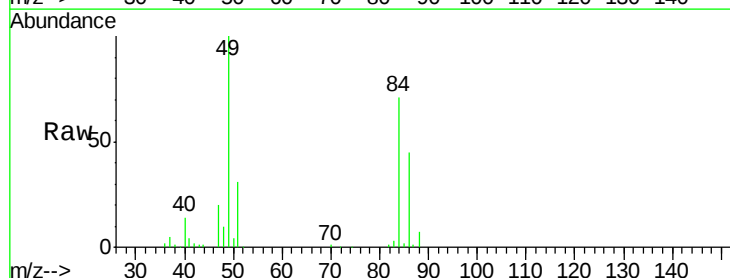
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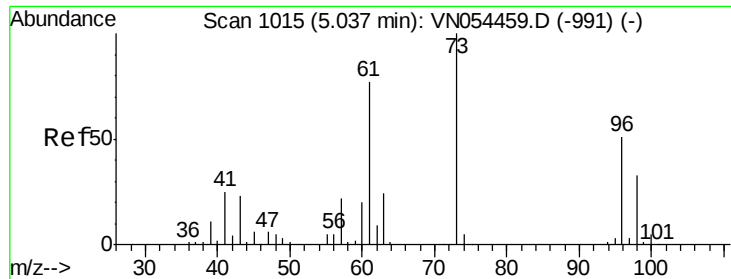
MMDadoda
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#20
Methylene Chloride
Concen: 51.807 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 84 Resp: 266325
Ion Ratio Lower Upper
84 100
49 140.3 89.7 134.5#
51 43.6 28.2 42.4#
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.647 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 237211

Ion Ratio Lower Upper

96 100

61 154.0 102.8 154.2

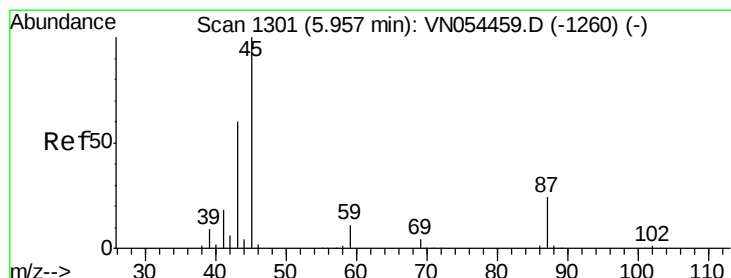
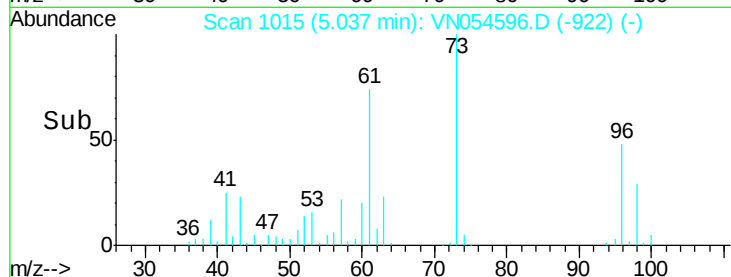
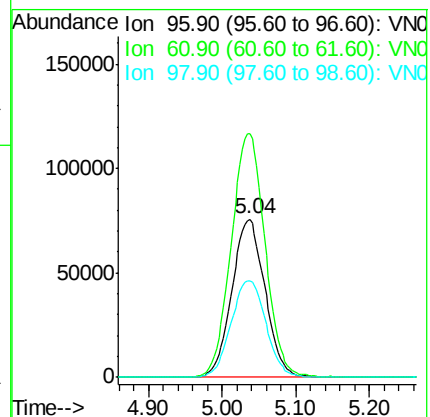
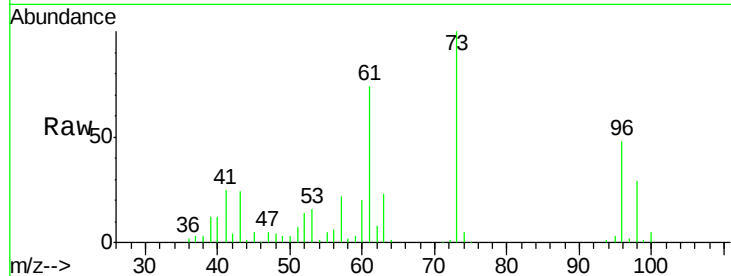
98 60.7 50.0 75.0

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#22

Diisopropyl ether

Concen: 56.694 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion: 45 Resp: 947175

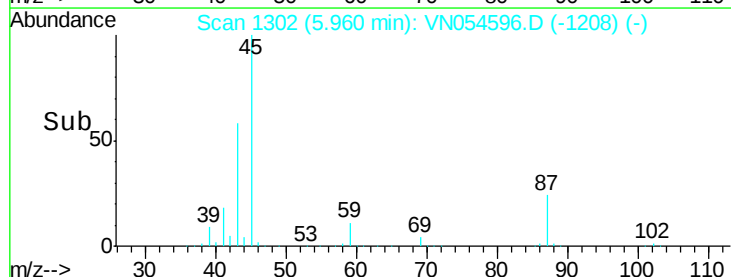
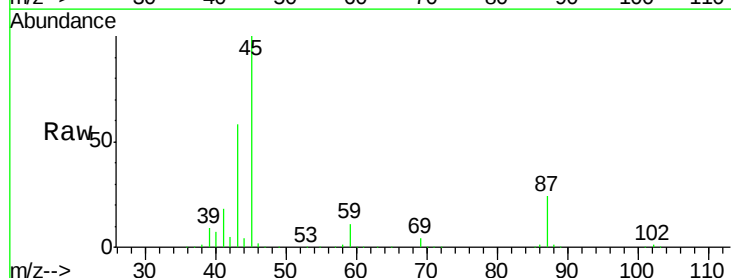
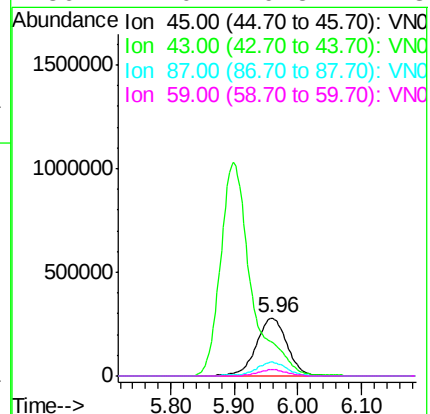
Ion Ratio Lower Upper

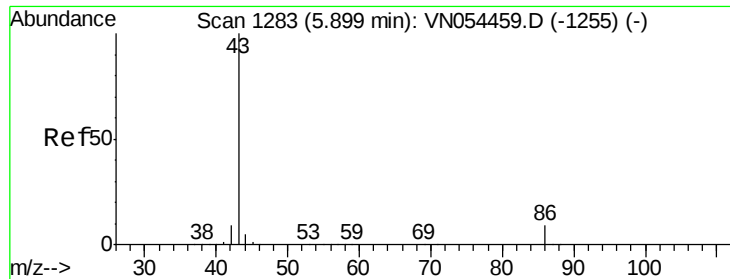
45 100

43 57.0 48.2 72.2

87 23.6 24.9 37.3#

59 11.0 9.5 14.3





#23

Vinyl Acetate

Concen: 292.475 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3451061

Ion Ratio Lower Upper

43 100

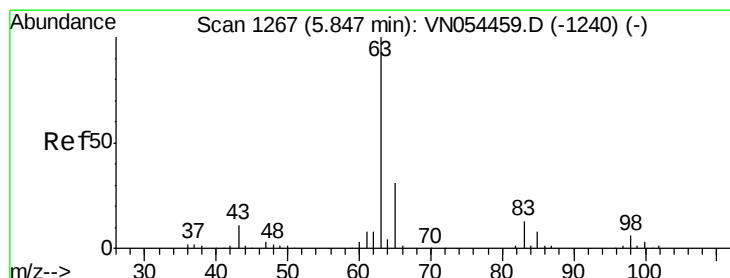
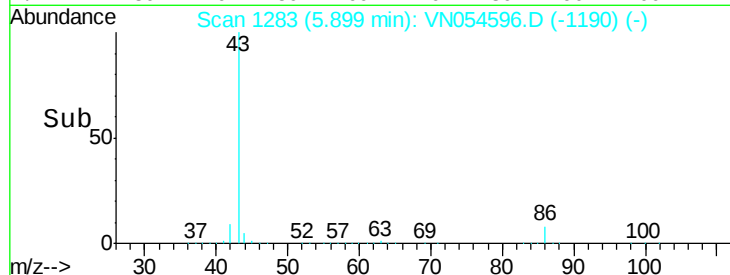
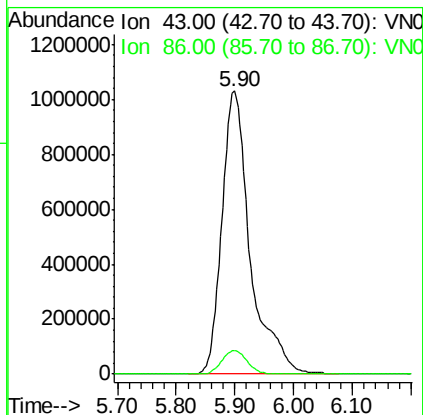
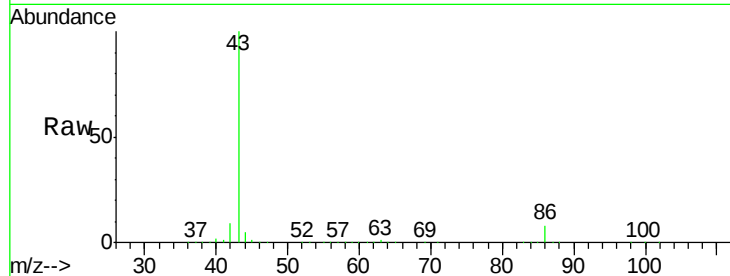
86 8.4 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 53.980 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

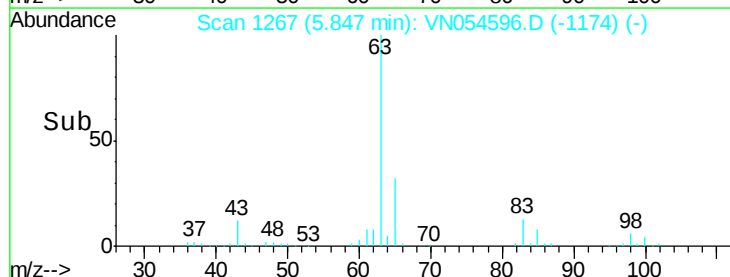
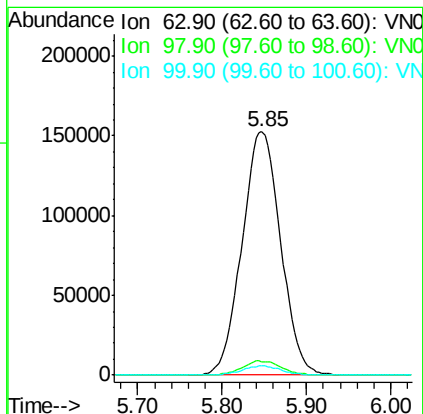
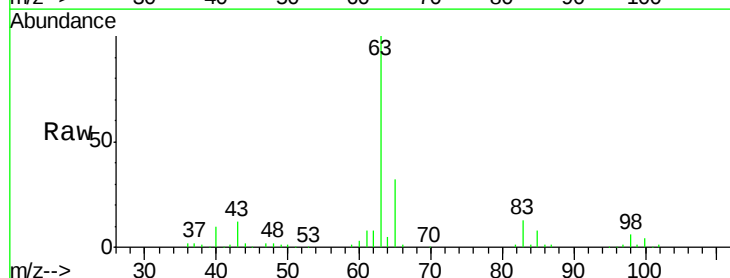
Tgt Ion: 63 Resp: 485581

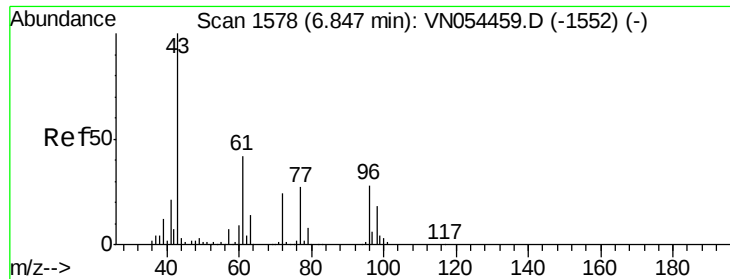
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 308.185 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 688468

Ion Ratio Lower Upper

43 100

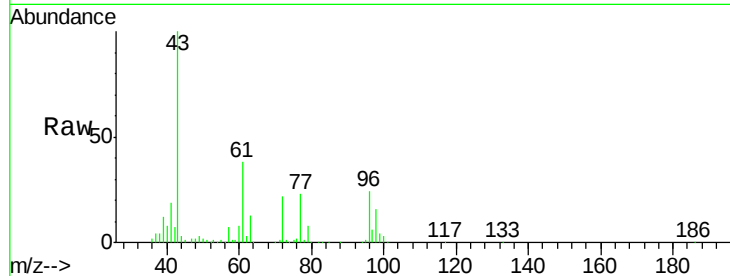
72 22.4 23.0 34.6#

Manual Integrations

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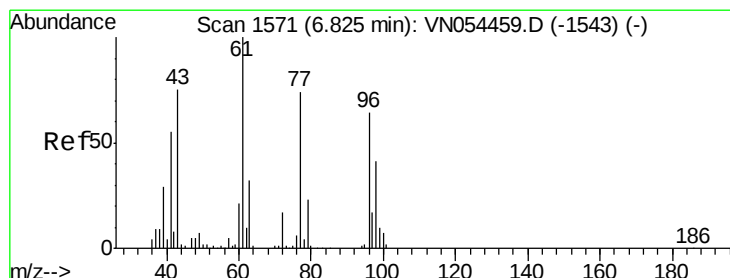
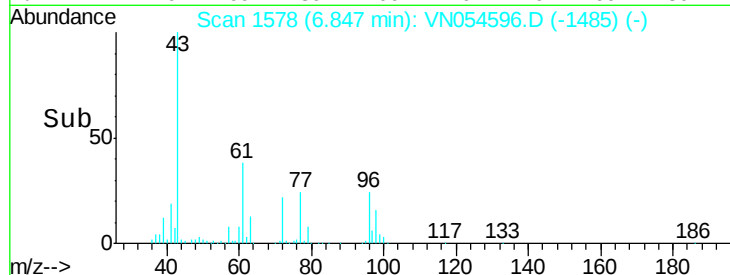
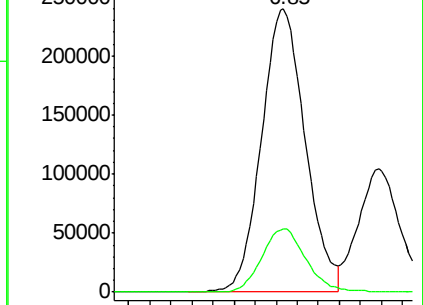
MMDadoda

3/25/2019 10:23:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 53.964 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054596.D

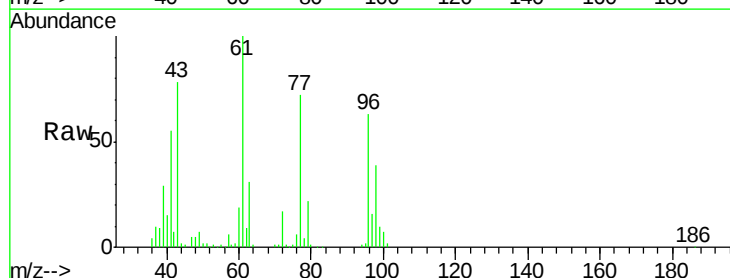
Acq: 23 Mar 2019 11:14

Tgt Ion: 77 Resp: 346042

Ion Ratio Lower Upper

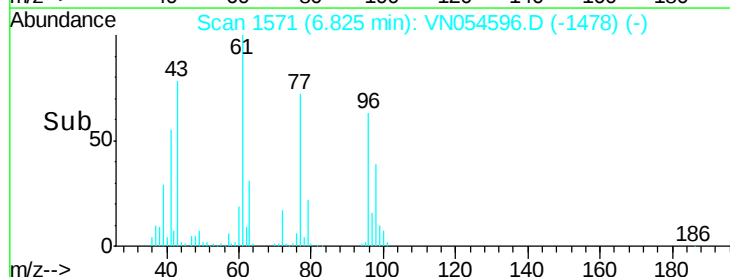
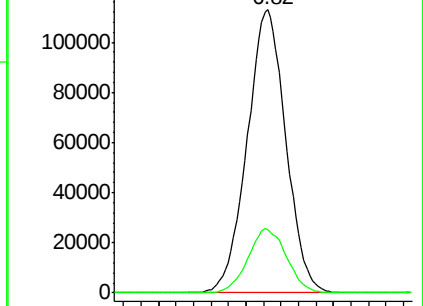
77 100

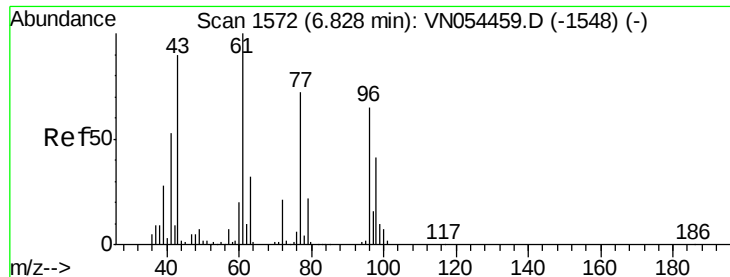
97 22.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.814 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

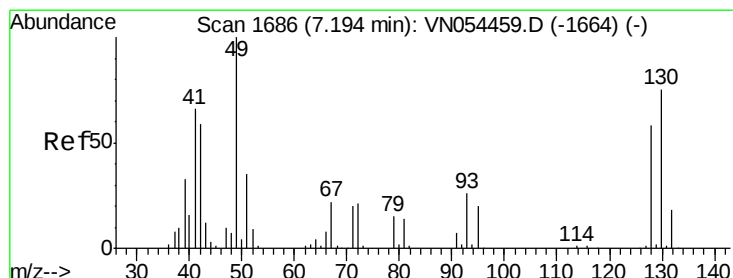
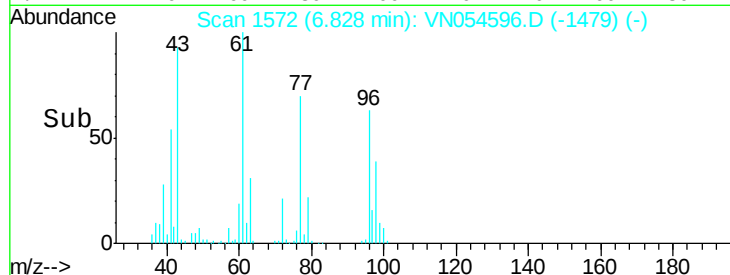
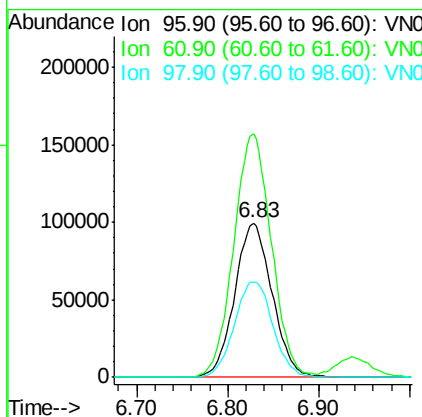
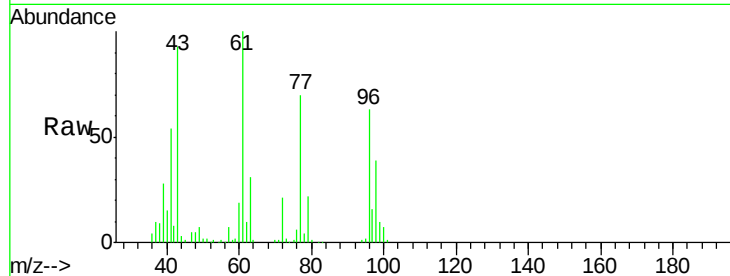
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	283853
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	273.0
98	64.0	0.0	130.6

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#28

Bromochloromethane

Concen: 54.875 ug/l

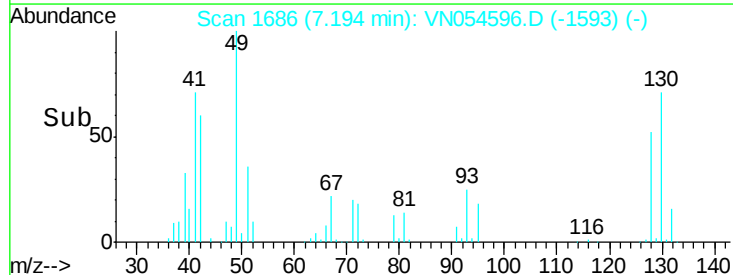
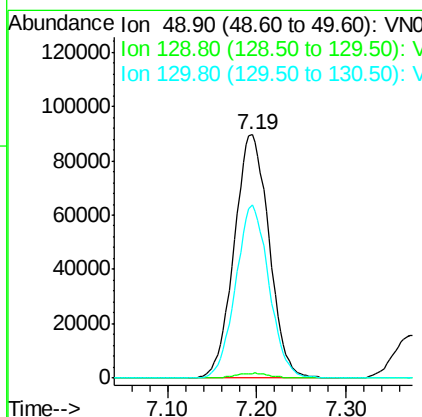
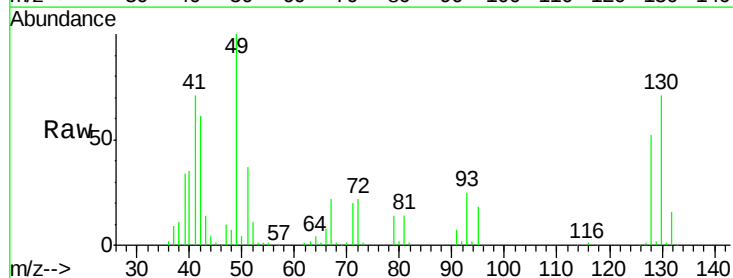
RT: 7.19 min Scan# 1686

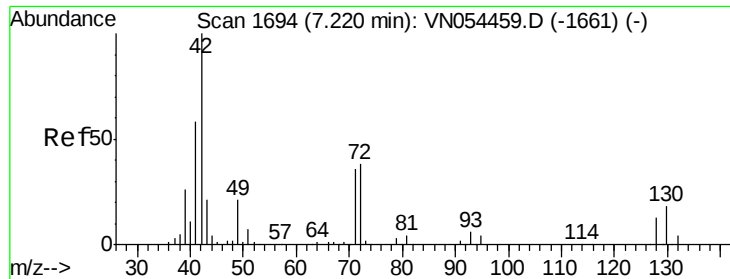
Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion:	49	Resp:	242976
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	68.0	76.7	115.1#





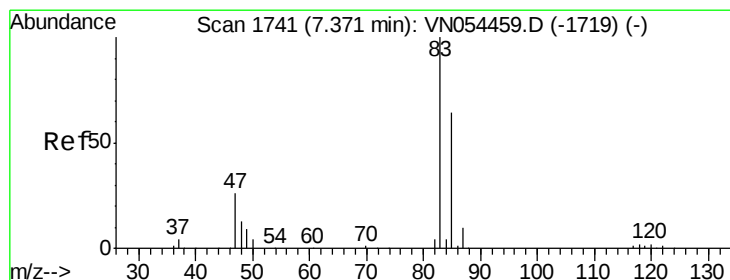
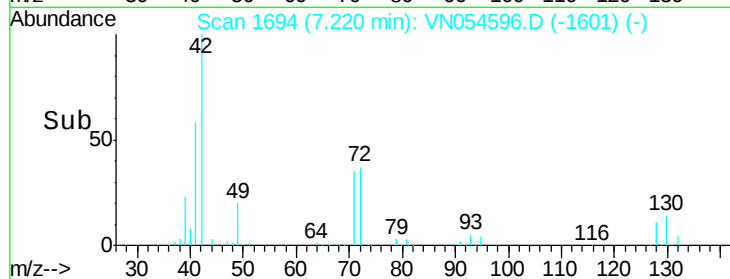
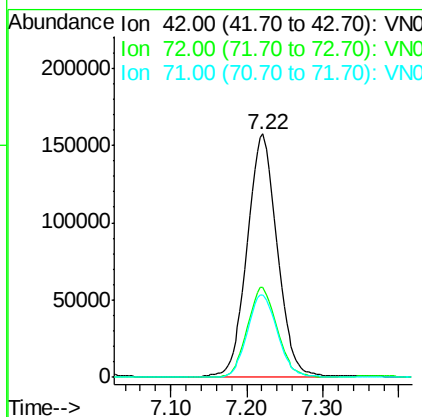
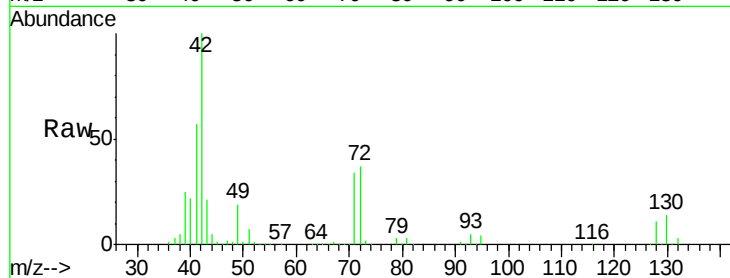
#29
Tetrahydrofuran
Concen: 298.745 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	37.8	56.6#
71	34.2	36.2	54.2#

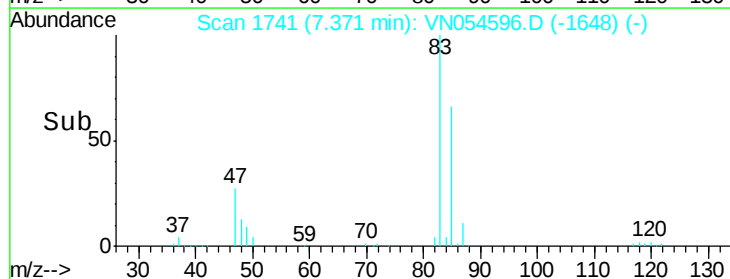
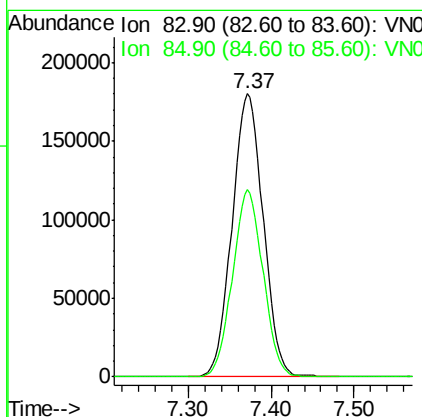
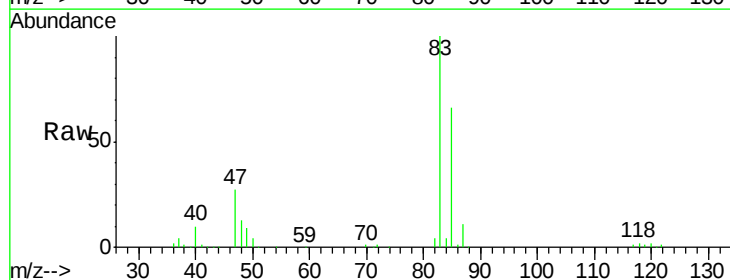
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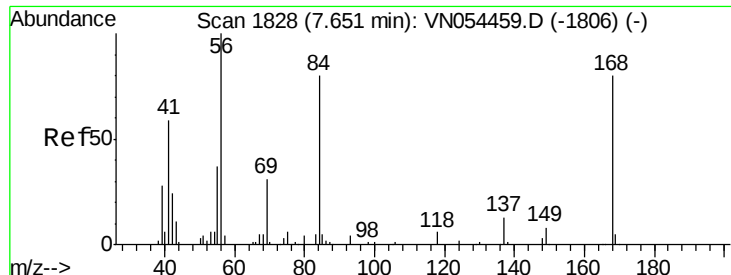
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#30
Chloroform
Concen: 53.610 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4





#31

Cyclohexane

Concen: 54.166 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

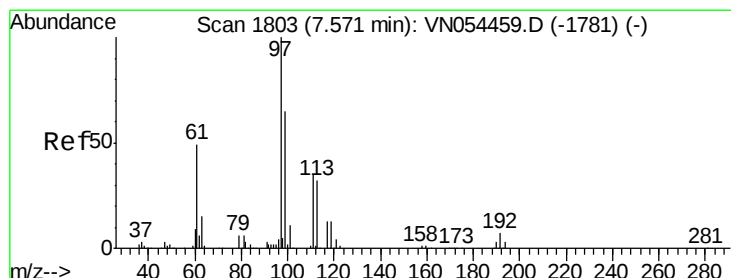
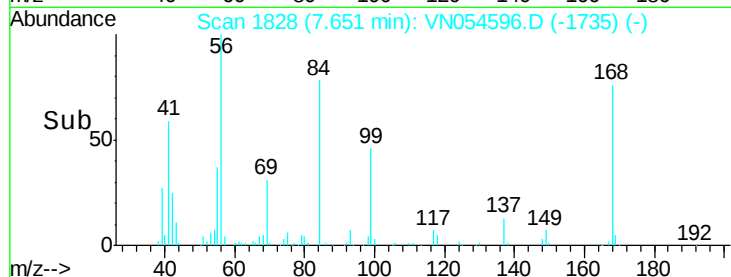
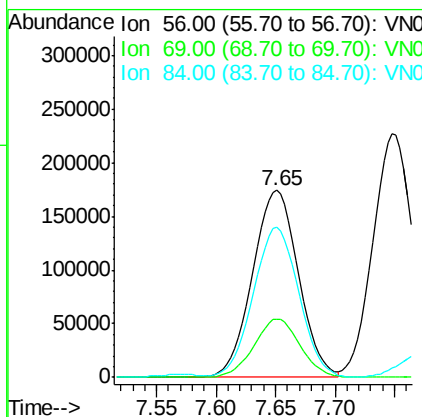
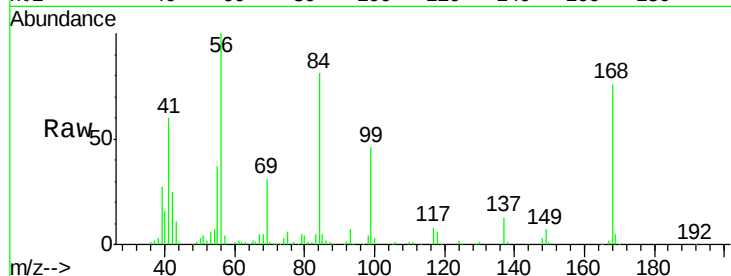
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	465555
Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.8	41.6
84	79.4	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 53.145 ug/l

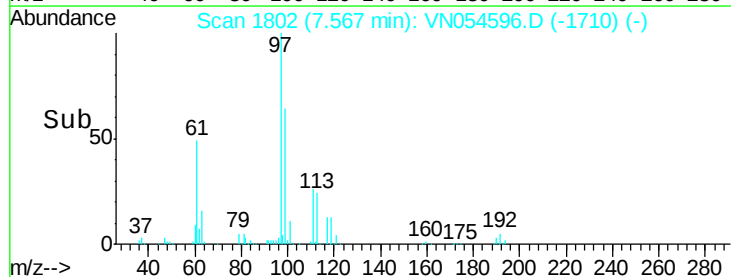
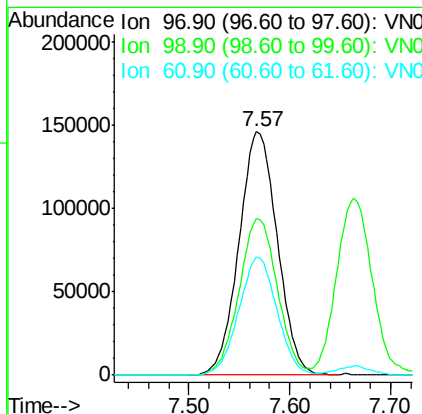
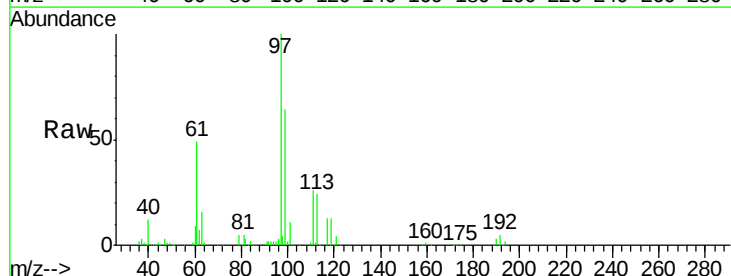
RT: 7.57 min Scan# 1802

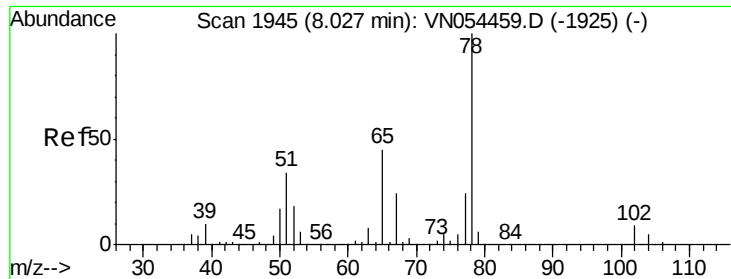
Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion	97	Resp	384910
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.4	33.6	50.4





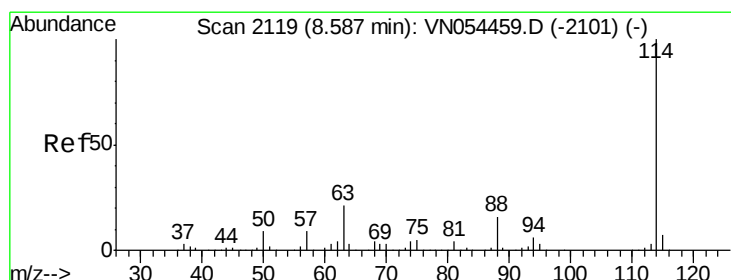
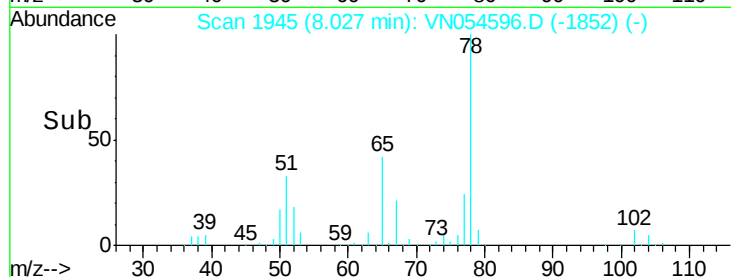
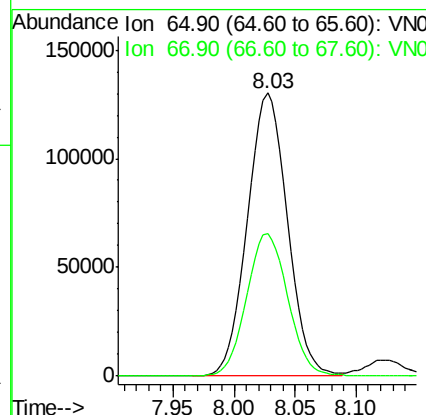
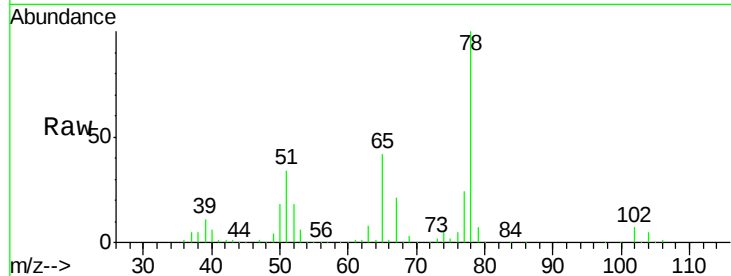
#33
 1,2-Dichloroethane-d4
 Concen: 51.093 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296362		
67	51.8	0.0	104.6	

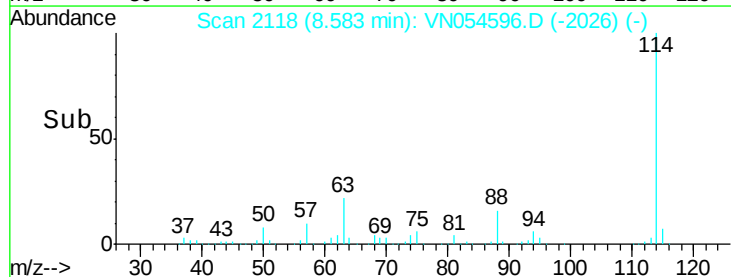
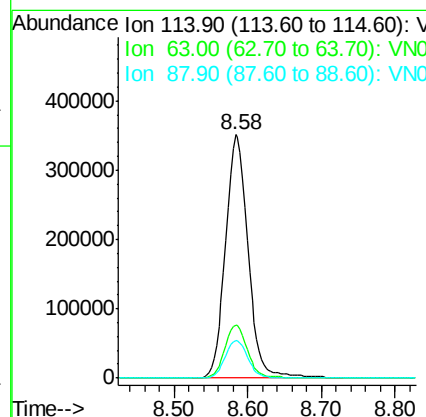
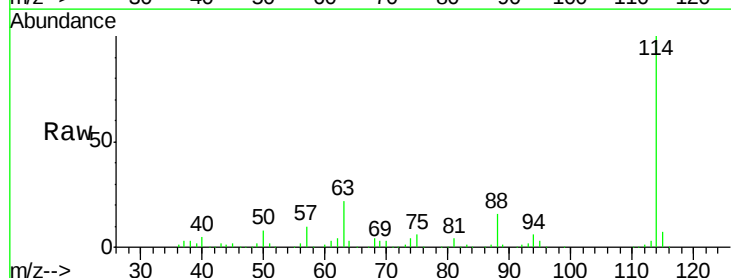
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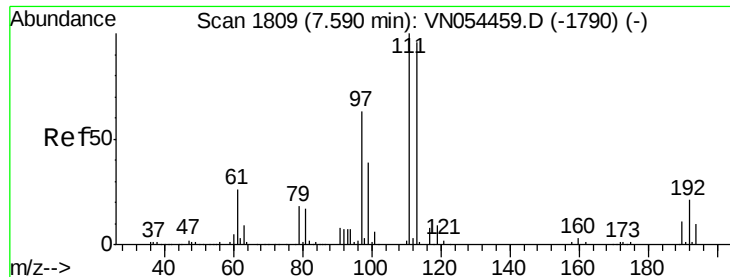
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	750640		
63	21.9	0.0	35.2	
88	15.6	0.0	30.2	





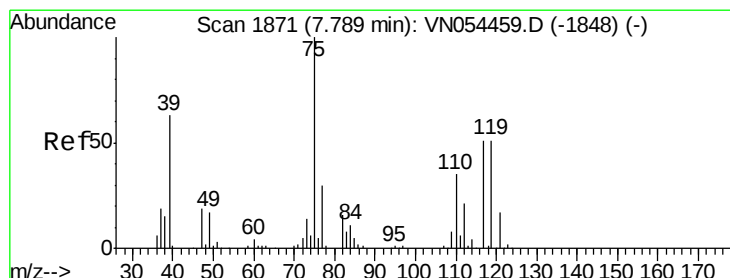
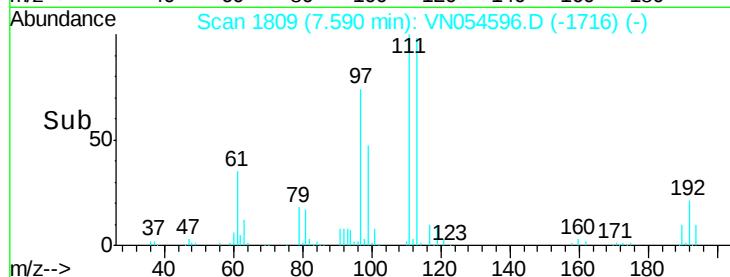
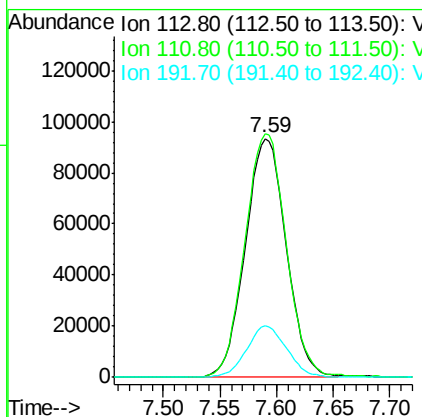
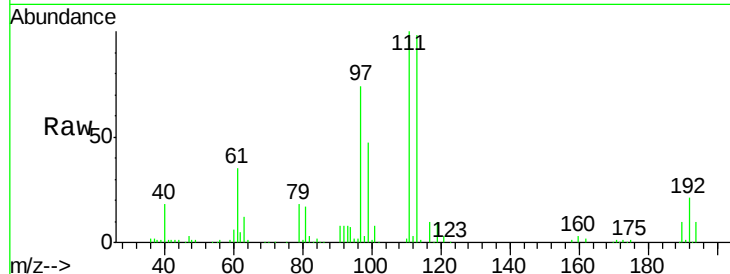
#35
Dibromofluoromethane
Concen: 48.575 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234910		
111	103.3	82.2	123.4	
192	21.2	19.2	28.8	

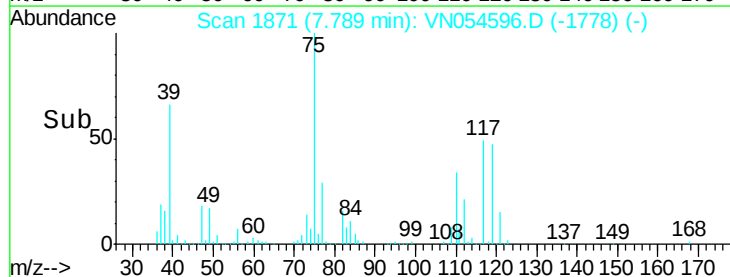
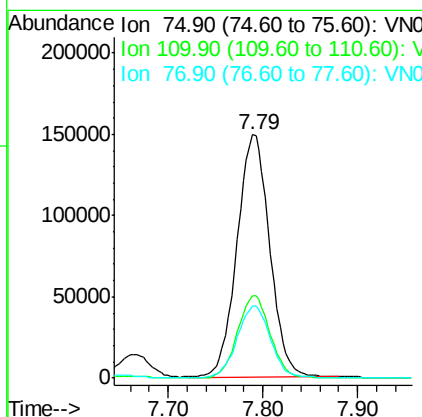
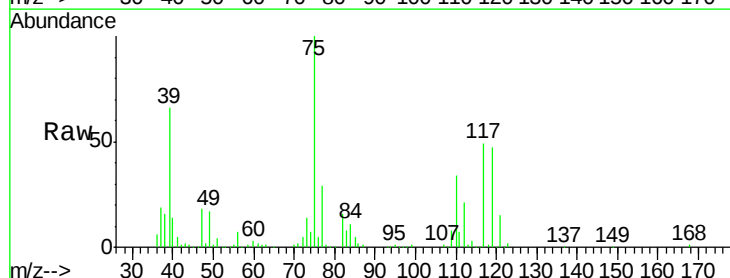
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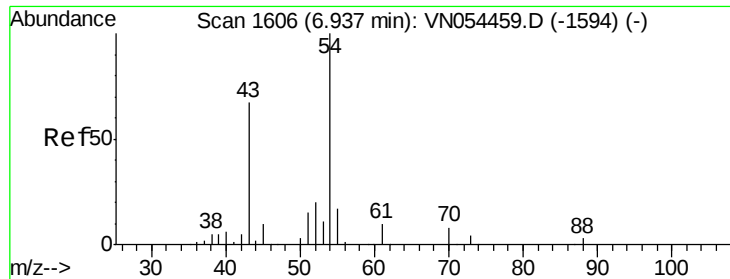
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#36
1,1-Dichloropropene
Concen: 51.169 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	359129		
110	34.1	19.1	57.5	
77	30.7	25.0	37.4	





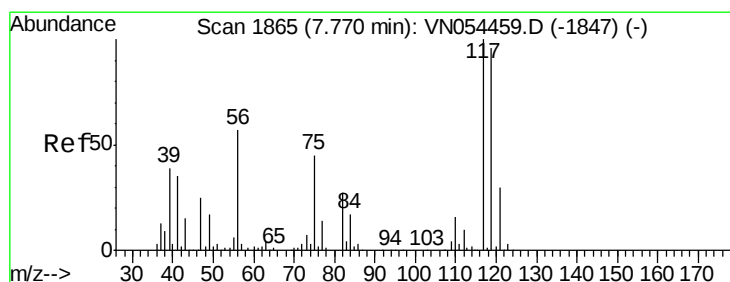
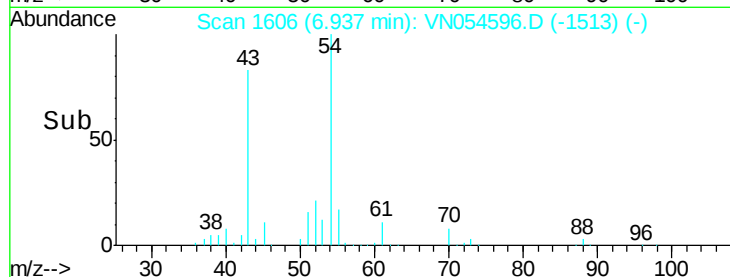
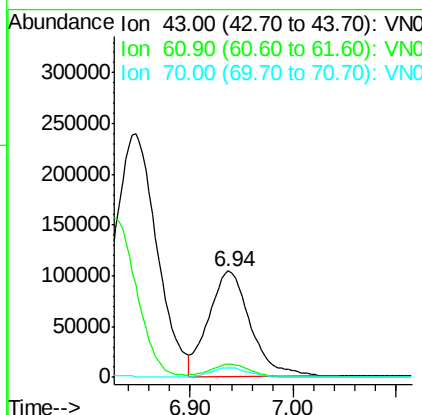
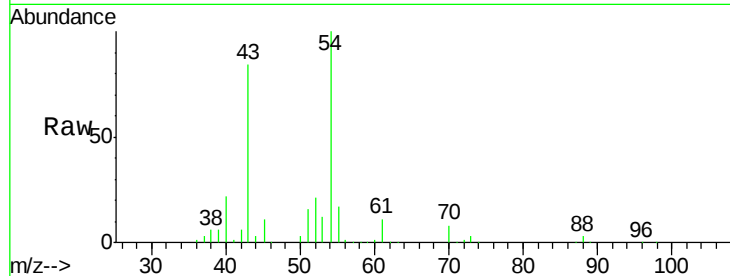
#37
Ethyl Acetate
Concen: 58.090 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.8	17.6
70	8.3	8.4	12.6

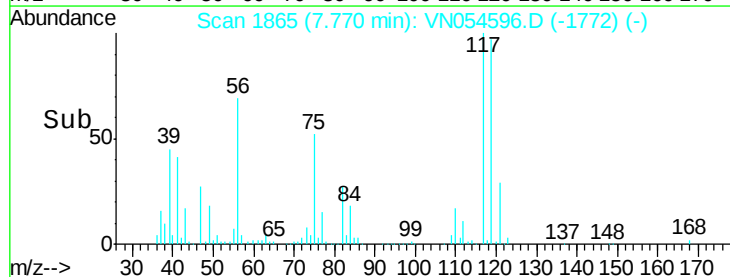
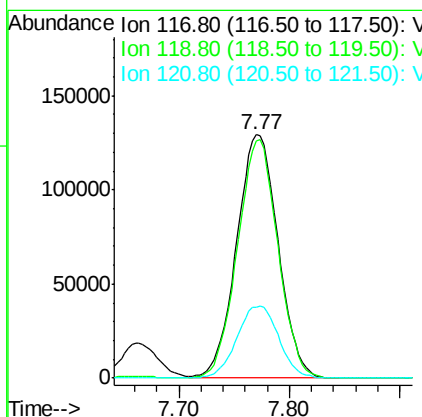
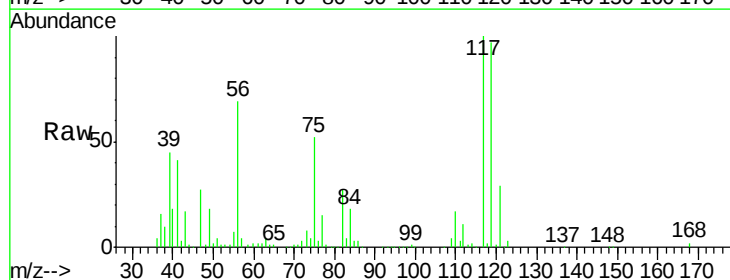
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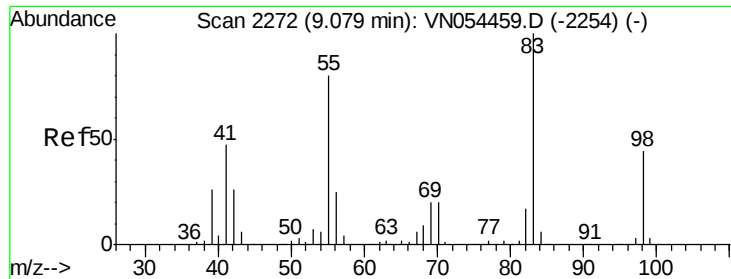
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#38
Carbon Tetrachloride
Concen: 49.182 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.3	114.5
121	29.3	24.6	36.8





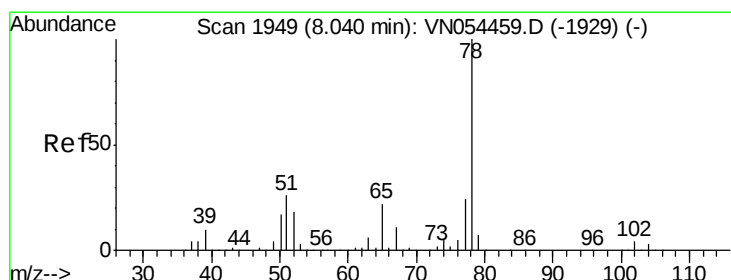
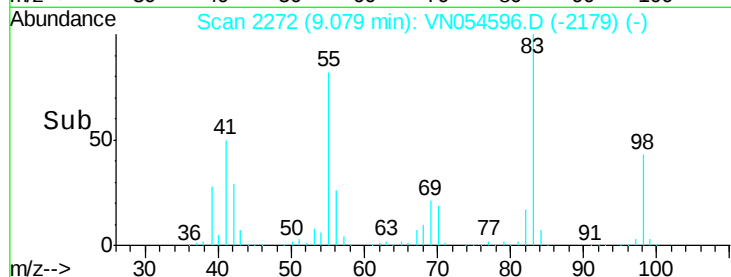
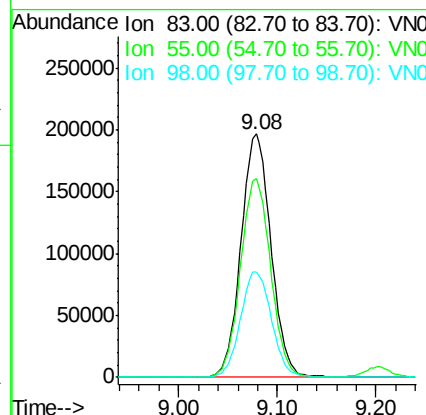
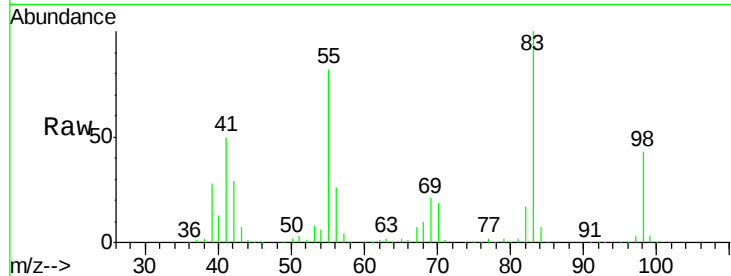
#39
Methvlcvclohexane
Concen: 51.712 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	415170
Ion Ratio	Lower	Upper	
83	100		
55	81.5	56.6	84.8
98	43.3	38.4	57.6

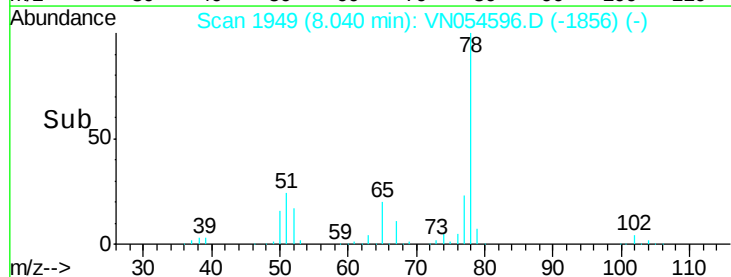
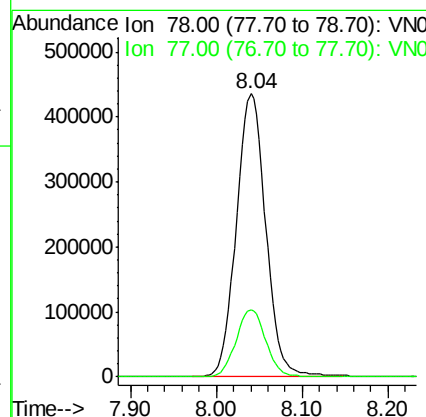
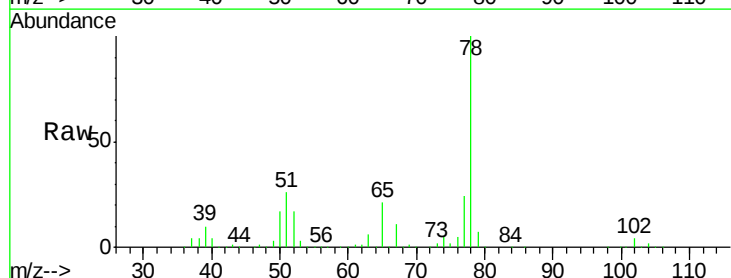
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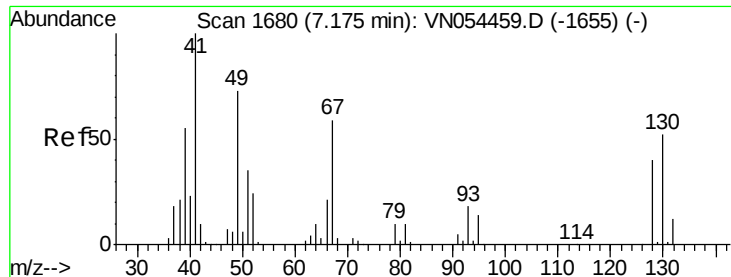
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#40
Benzene
Concen: 51.671 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	78	Resp	1037028
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7





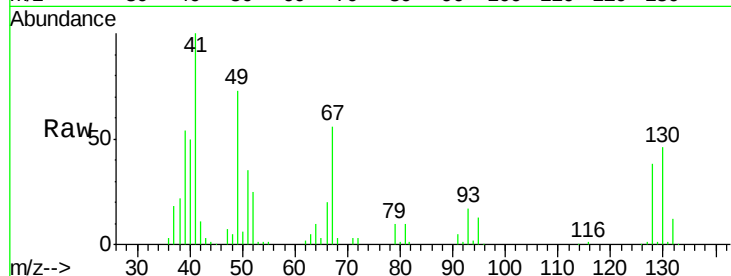
#41
Methacrylonitrile
Concen: 50.706 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

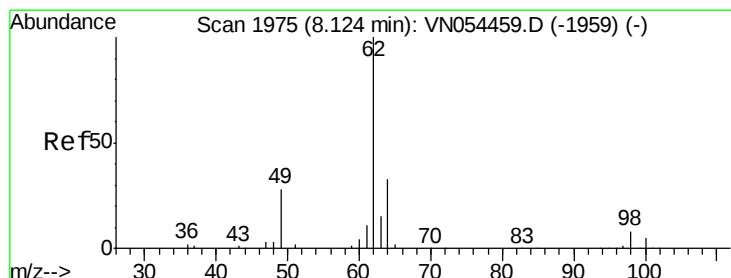
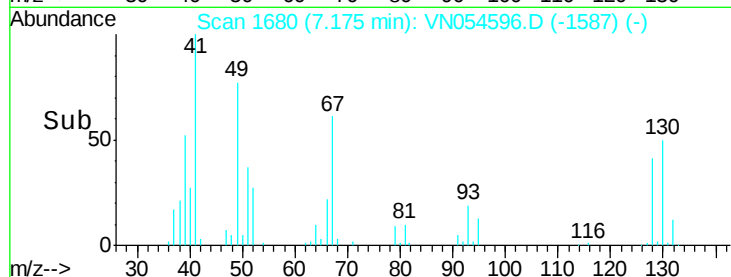
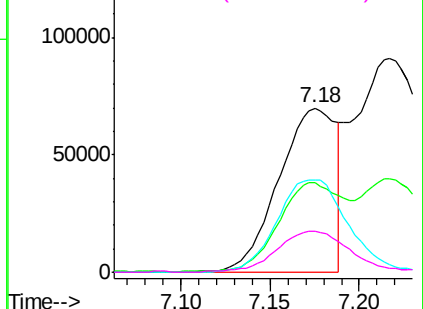
Tot Ion	41.00	Resp	154363
Ion	Ratio	Lower	Upper
41	100		
39	61.4	46.8	70.2
67	70.2	67.0	100.4
52	32.6	26.5	39.7

Manual Integrations
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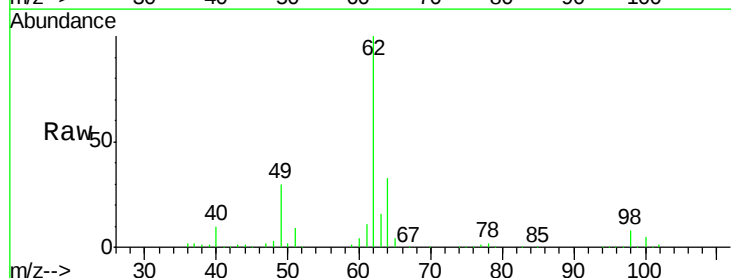


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

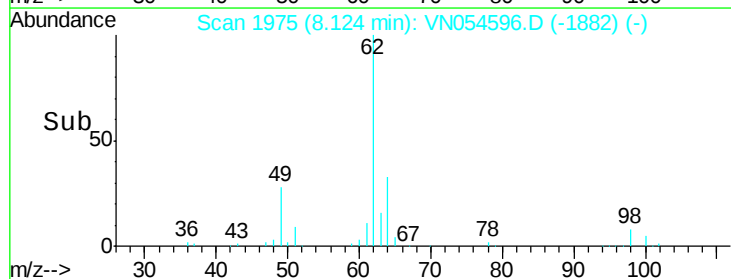
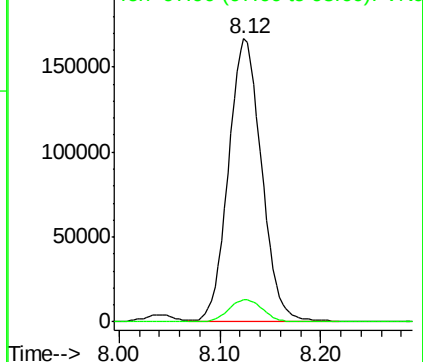


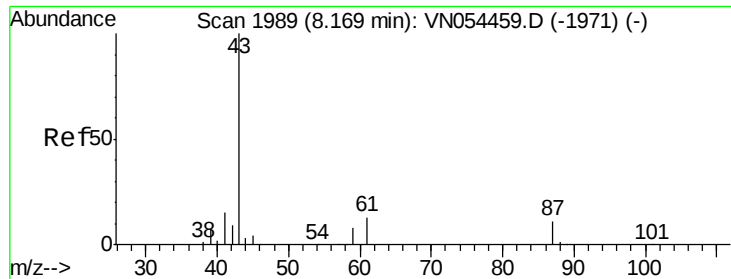
#42
1,2-Dichloroethane
Concen: 51.949 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	62	Resp	379694
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





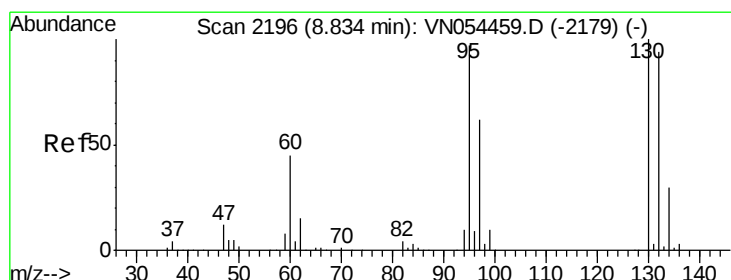
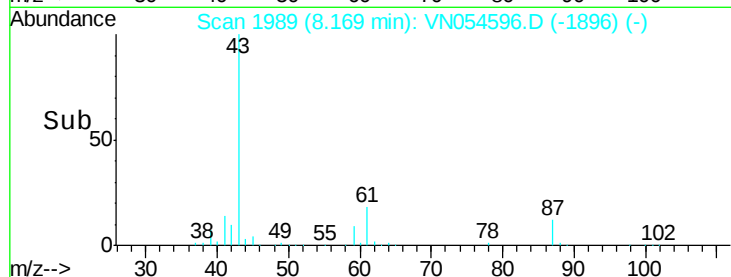
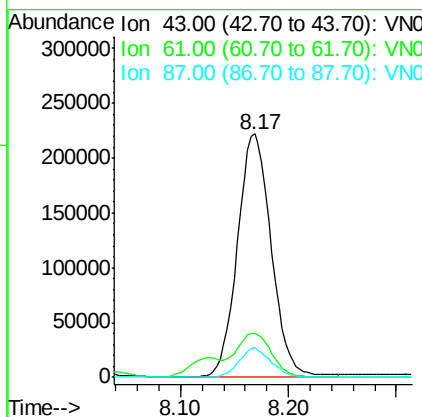
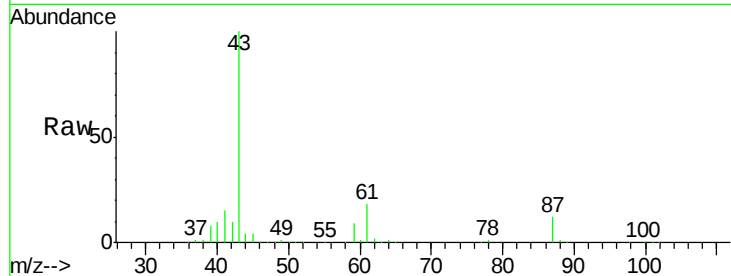
#43
Isopropyl Acetate
Concen: 57.355 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.5	12.0	18.0

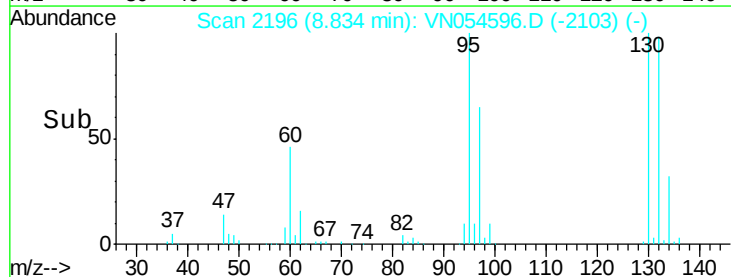
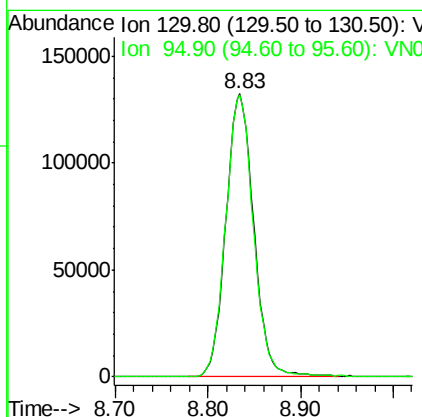
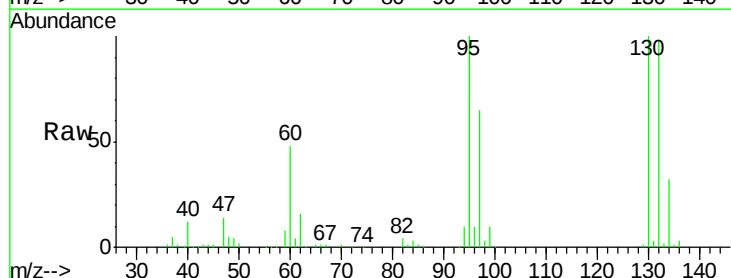
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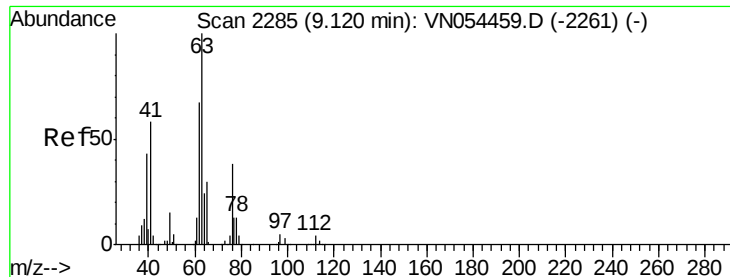
MMDadoda
3/25/2019 10:23:27 AM



#44
Trichloroethene
Concen: 49.548 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	185.2





#45

1,2-Dichloropropane

Concen: 54.844 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 295565

Ion Ratio Lower Upper

63 100

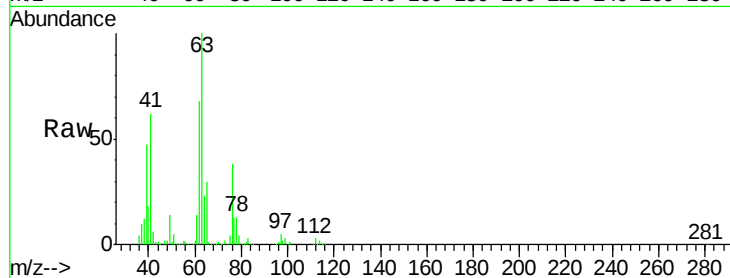
65 30.4 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

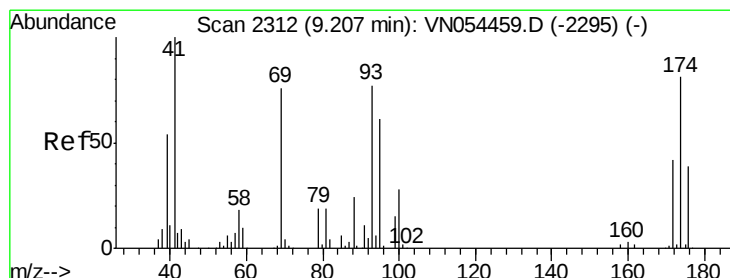
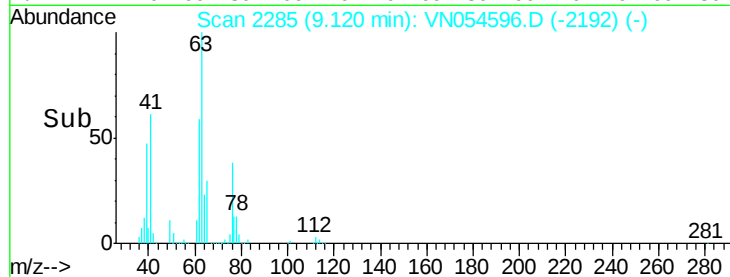
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.733 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

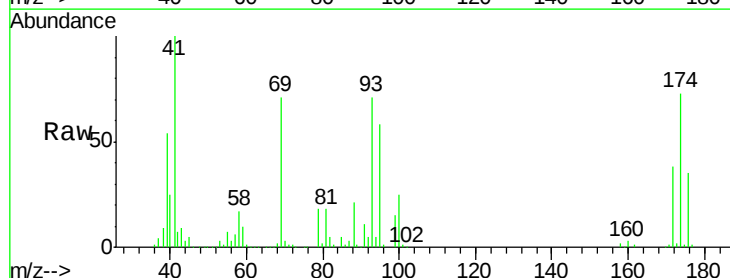
Tgt Ion: 93 Resp: 169539

Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

174 104.4 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

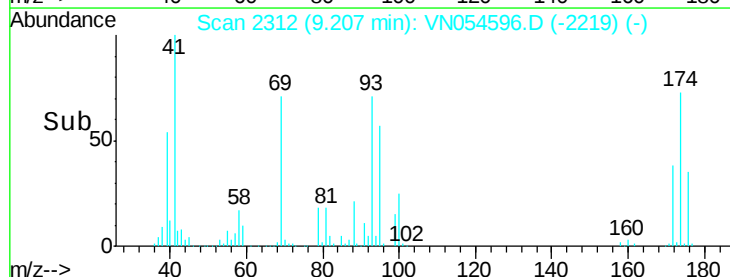
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.478 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

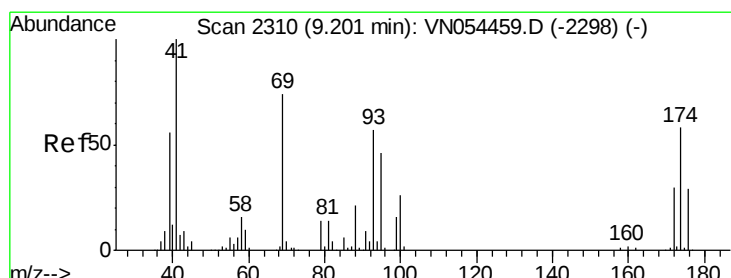
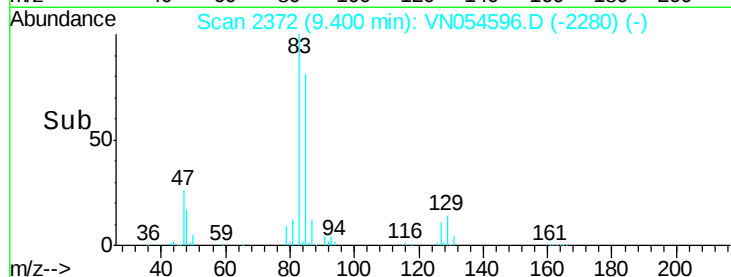
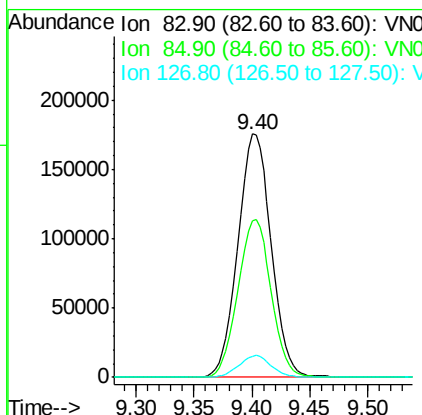
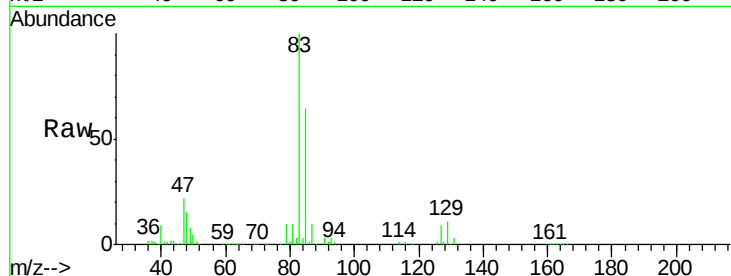
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	350154
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.8	79.2
127	8.6	7.4	11.2

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#48

Methyl methacrylate

Concen: 55.339 ug/l

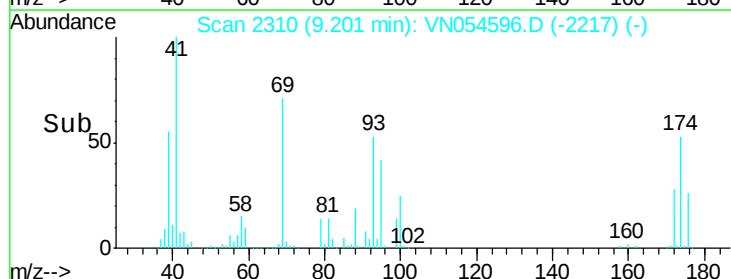
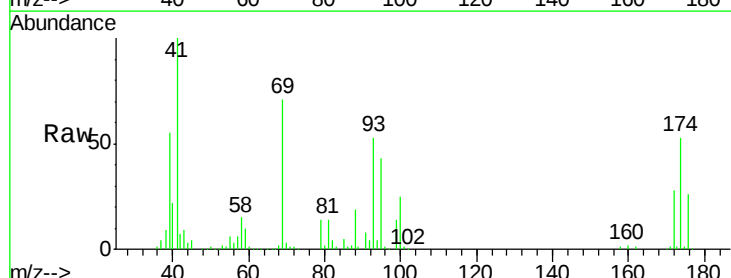
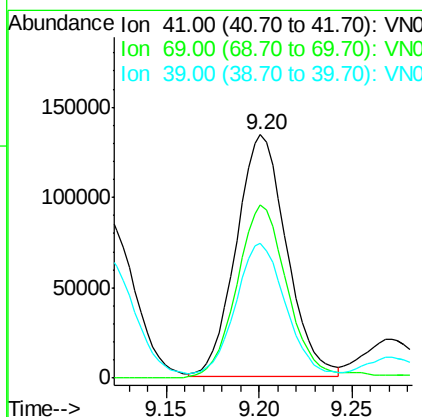
RT: 9.20 min Scan# 2310

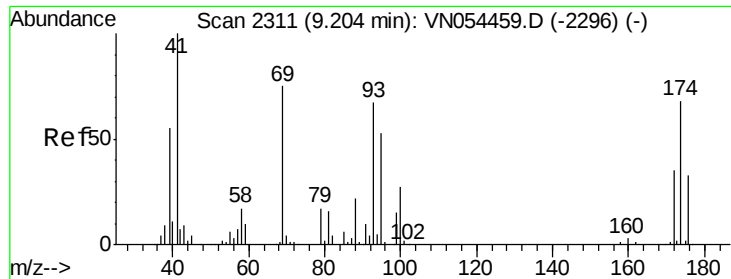
Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion:	41	Resp:	253218
Ion Ratio	Lower	Upper	
41	100		
69	73.5	72.6	108.8
39	55.6	47.5	71.3





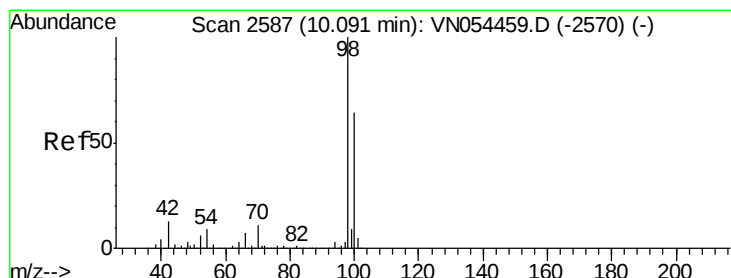
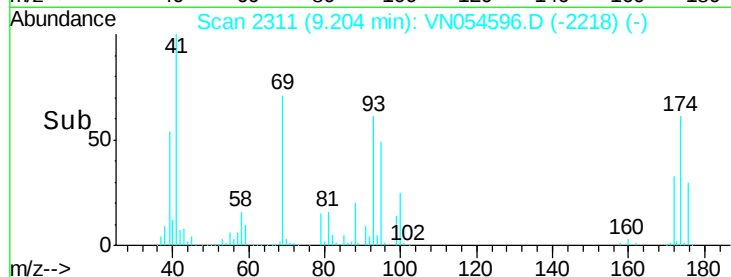
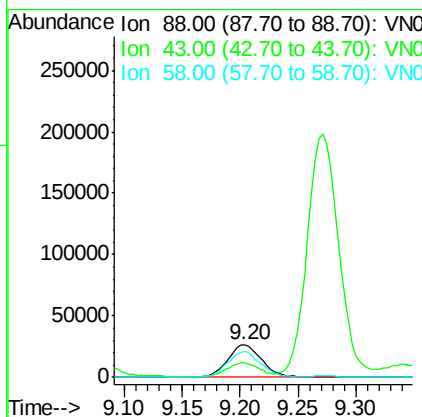
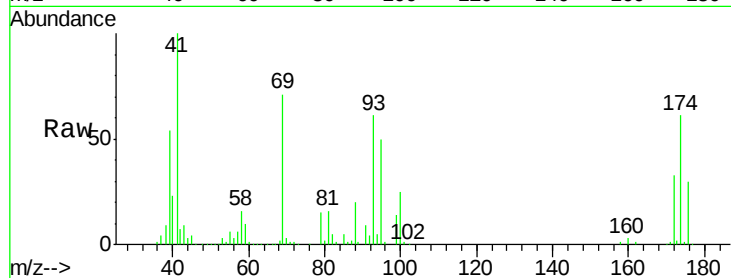
#49
1,4-Dioxane
Concen: 1067.573 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	54611
Ion	Ratio	Lower	Upper
88	100		
43	39.8	24.1	36.1#
58	76.2	50.8	76.2

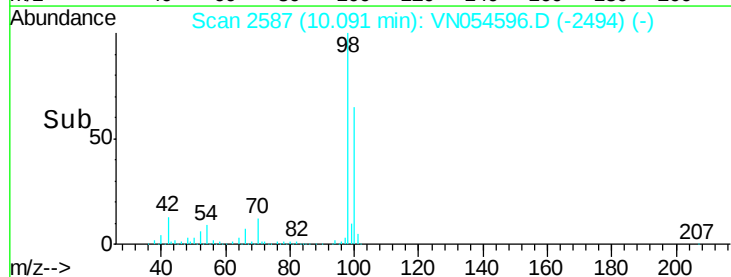
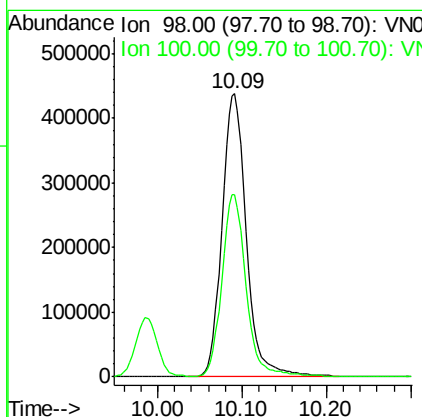
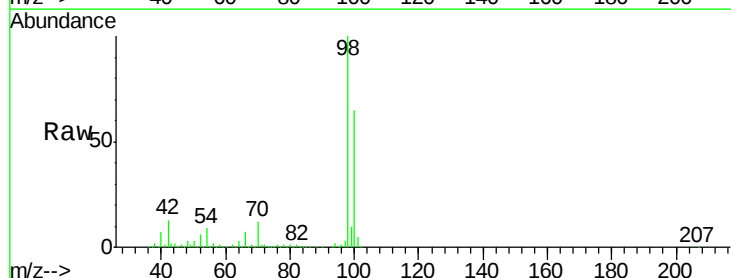
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#50
Toluene-d8
Concen: 48.185 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	98	Resp	876017
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 293.641 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1371954

Ion Ratio Lower Upper

43 100

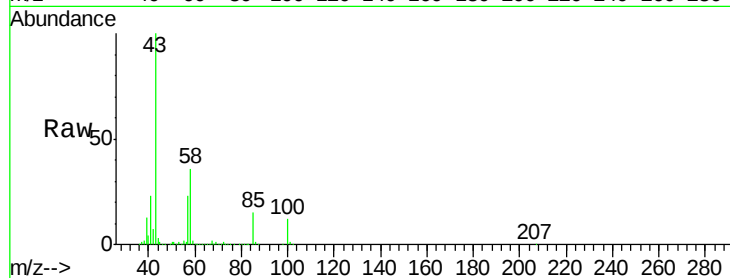
58 35.6 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

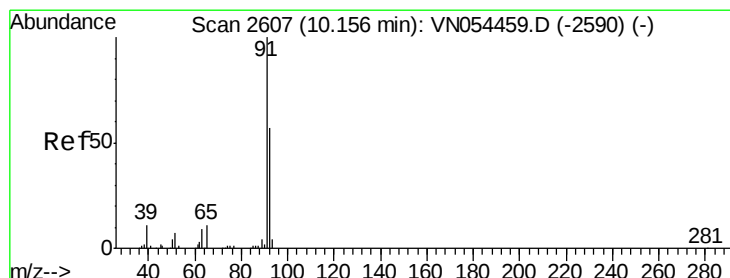
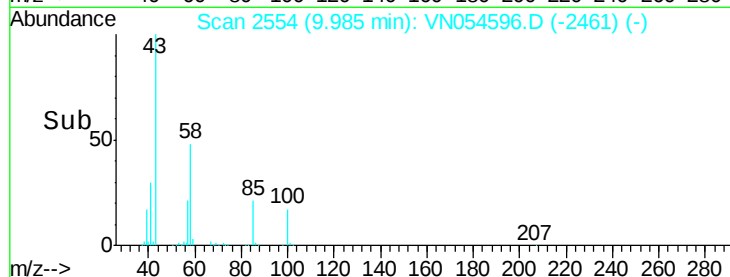
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 51.097 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054596.D

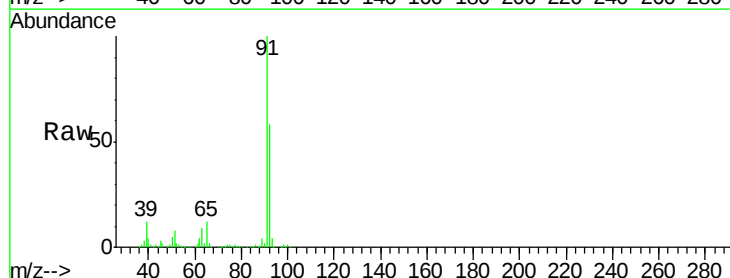
Acq: 23 Mar 2019 11:14

Tgt Ion: 92 Resp: 630738

Ion Ratio Lower Upper

92 100

91 174.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

0

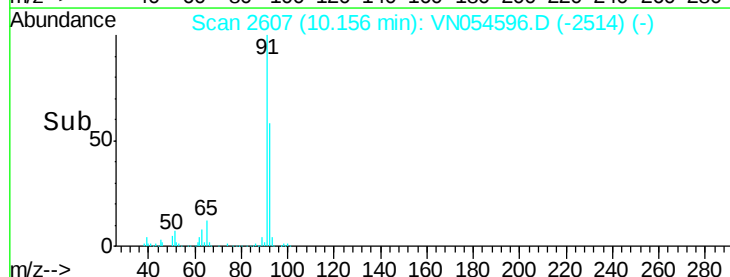
10.00

10.10

10.20

10.30

Time-->





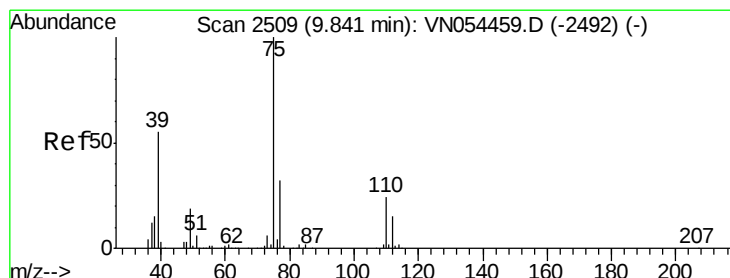
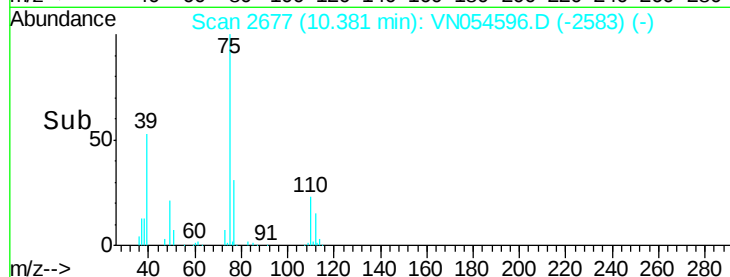
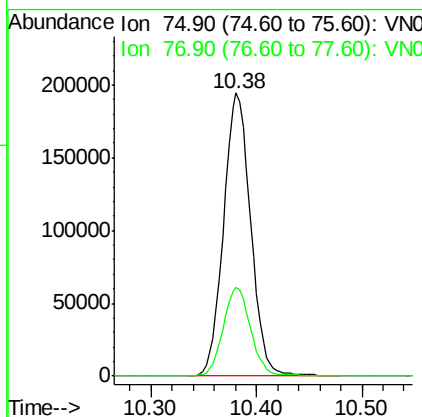
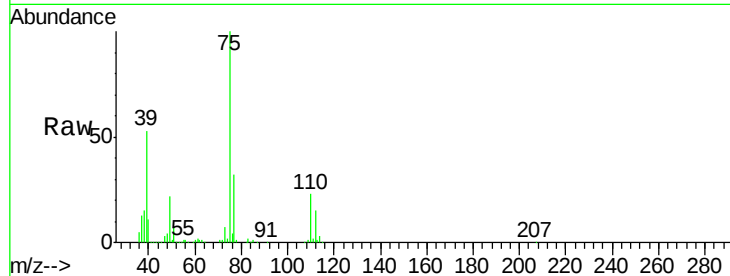
#53
t-1,3-Dichloropropene
Concen: 49.179 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 345880
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8

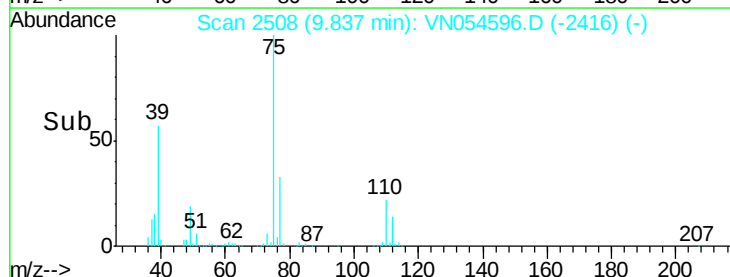
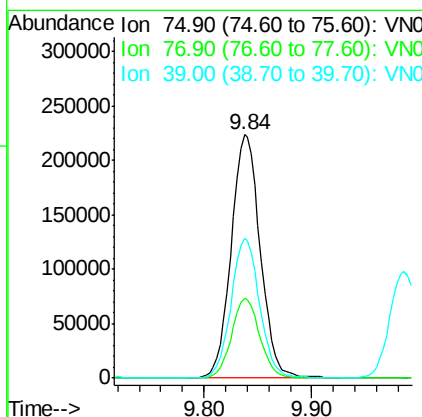
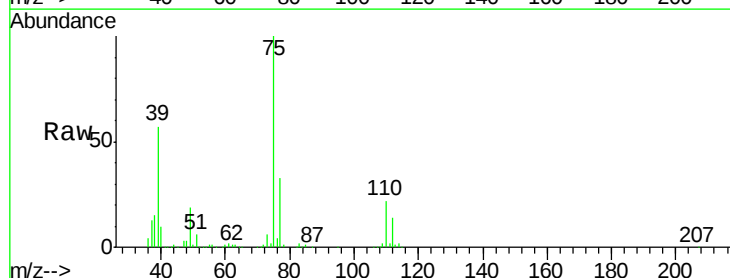
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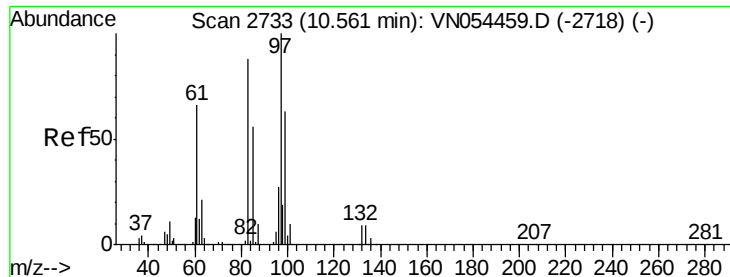
MMDadoda
3/25/2019 10:23:27 AM



#54
cis-1,3-Dichloropropene
Concen: 54.454 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 75 Resp: 416607
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
39 57.3 37.2 55.8#





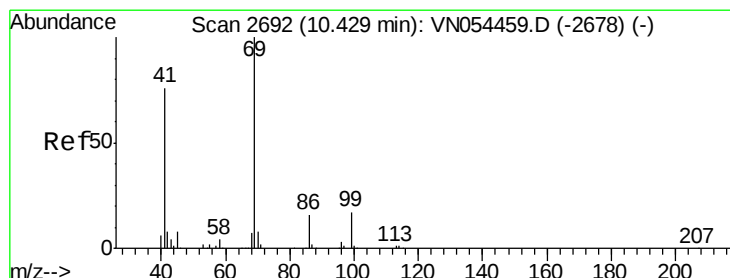
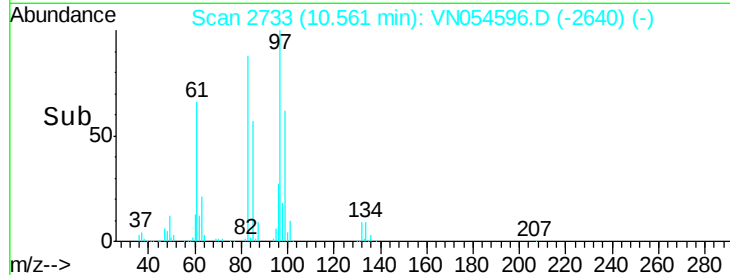
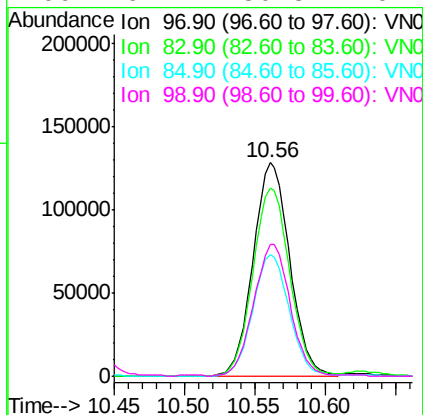
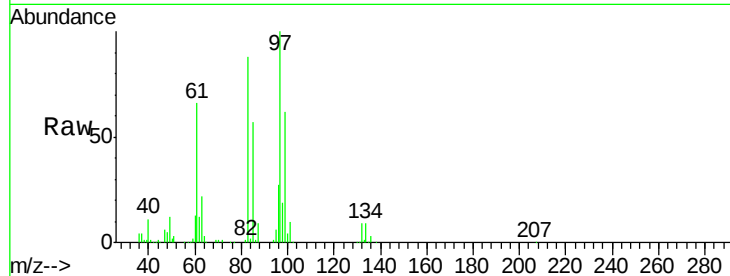
#55
 1,1,2-Trichloroethane
 Concen: 52.648 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233608		
83	88.0	66.6	100.0		
85	57.2	44.4	66.6		
99	61.1	50.8	76.2		

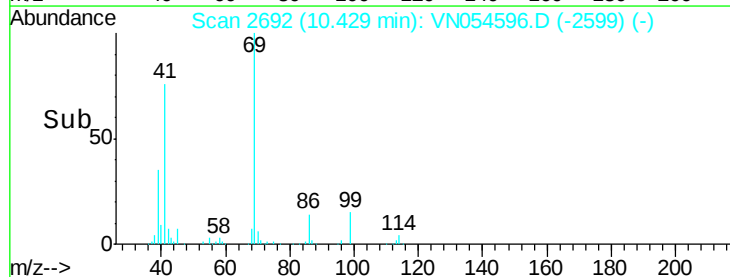
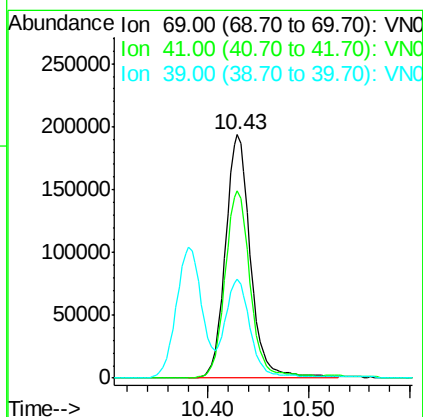
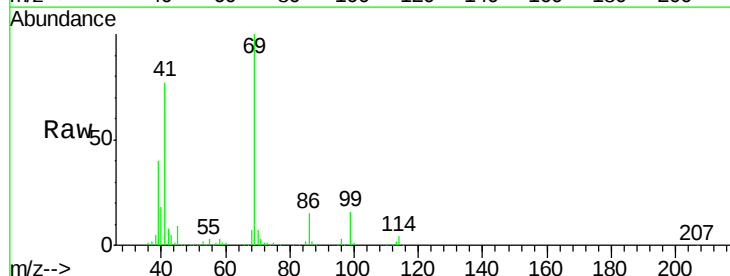
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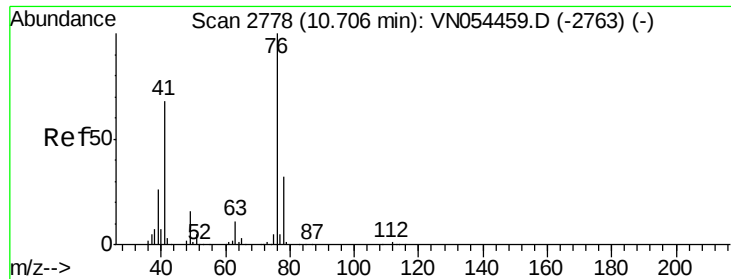
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 3/25/2019 10:23:27 AM



#56
 Ethyl methacrylate
 Concen: 56.389 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		335832		
41	76.2	49.4	74.2#		
39	39.9	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 53.798 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 414957

Ion Ratio Lower Upper

76 100

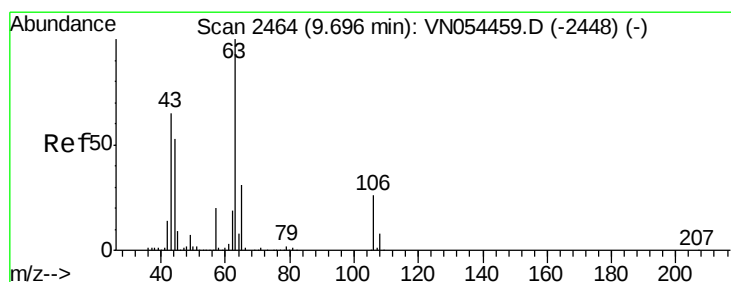
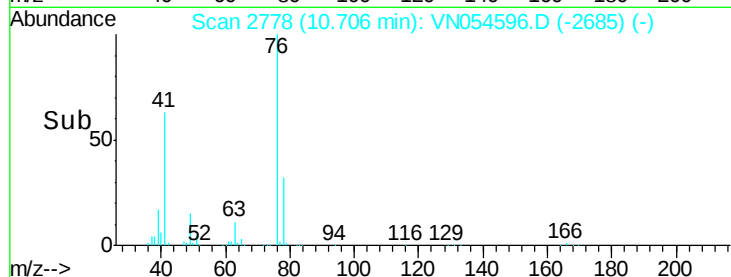
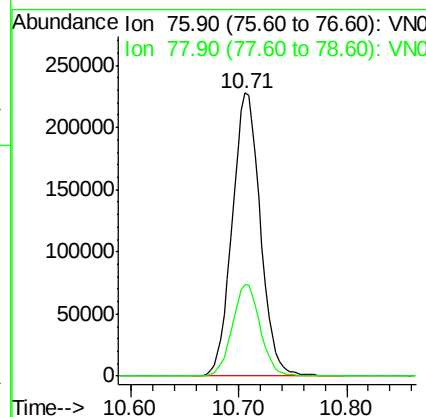
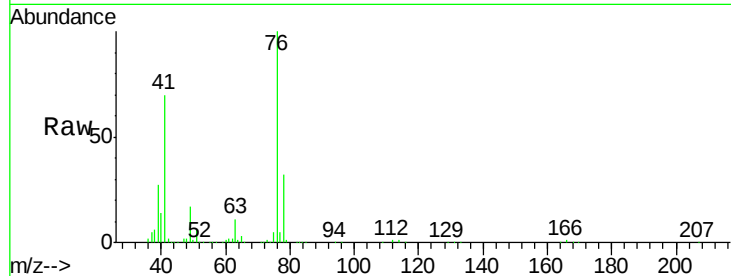
78 32.0 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 257.059 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054596.D

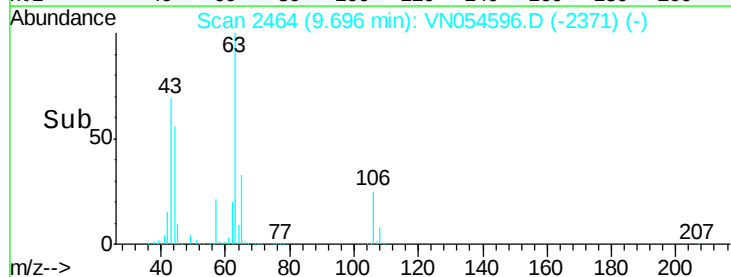
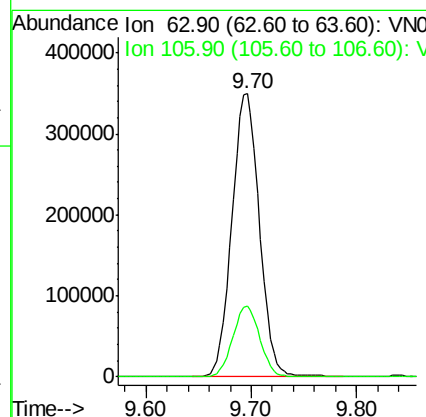
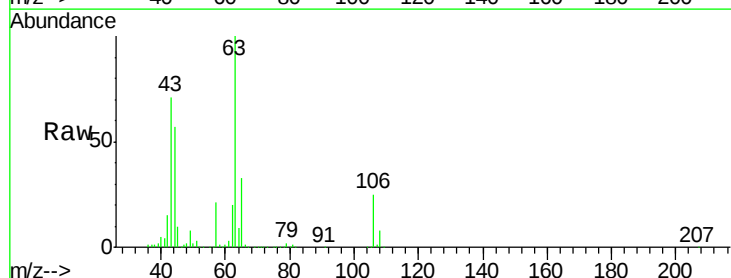
Acq: 23 Mar 2019 11:14

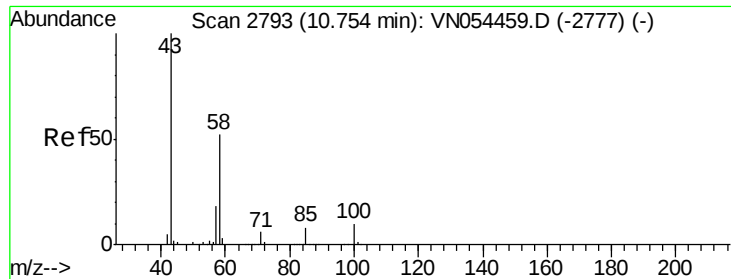
Tgt Ion: 63 Resp: 630407

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6





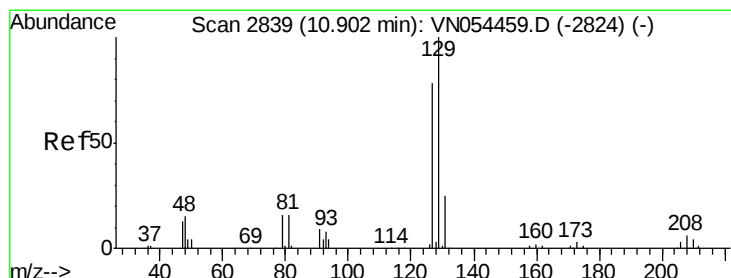
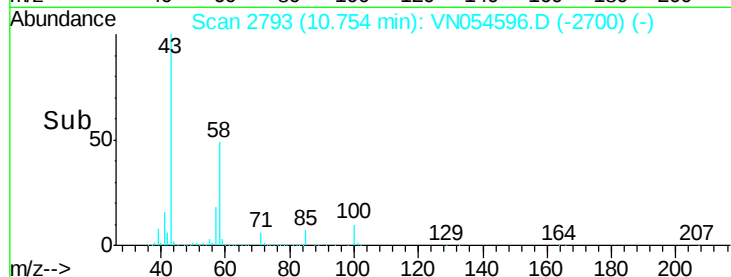
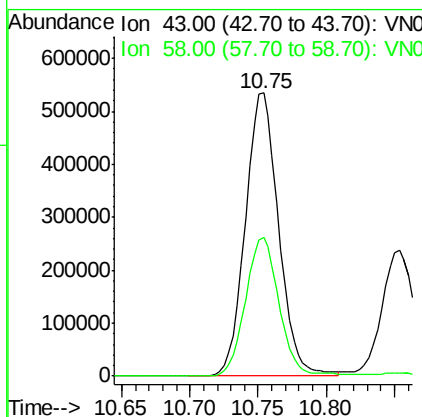
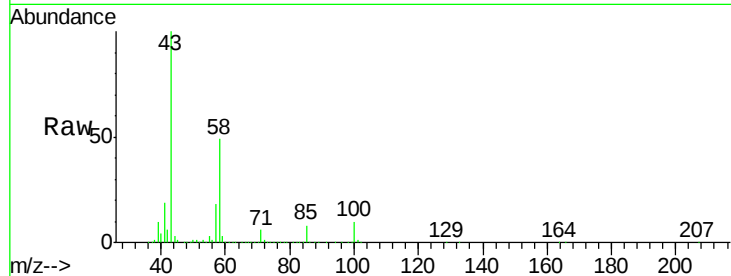
#59
2-Hexanone
Concen: 296.341 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	904383
Ion Ratio	43	100	
Lower	58	49.9	28.0
Upper			83.9

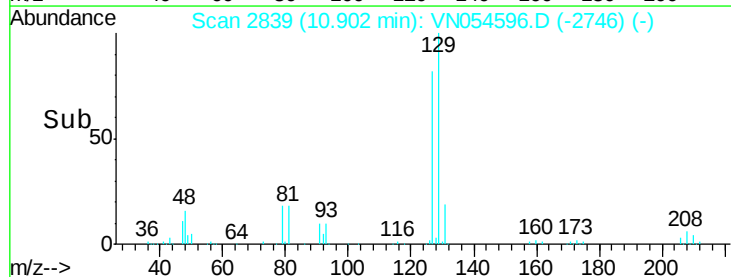
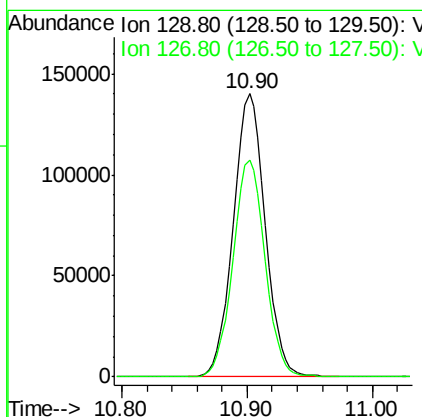
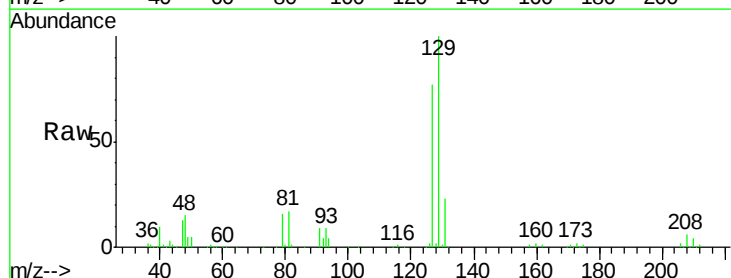
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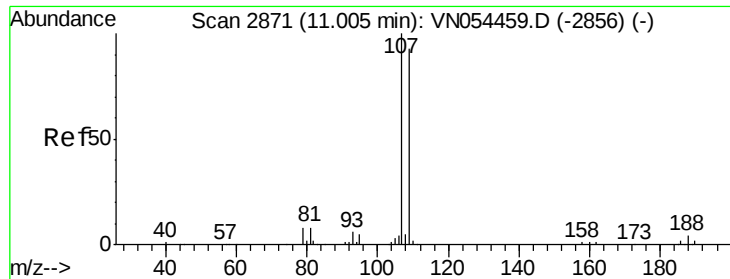
MMDadoda
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#60
Dibromochloromethane
Concen: 52.458 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	129	Resp	247686
Ion Ratio	129 <td>100</td> <td></td>	100	
Lower	127	77.2	38.6
Upper			115.8





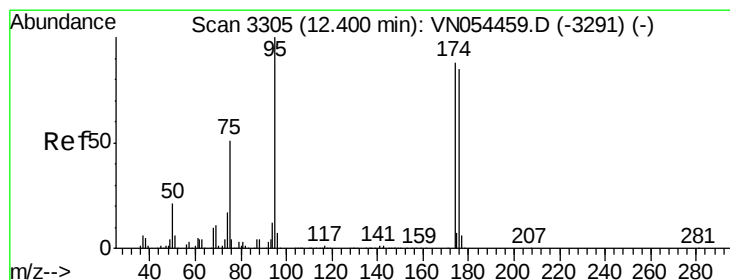
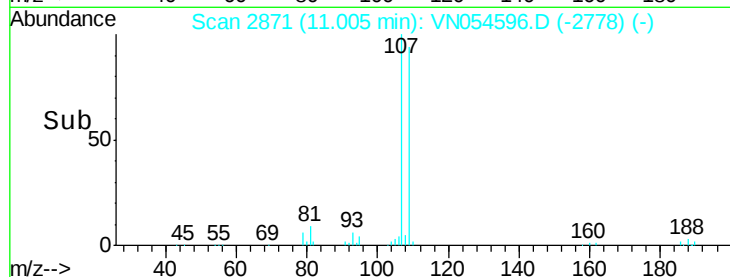
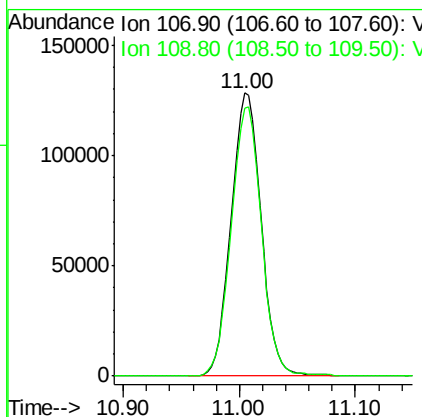
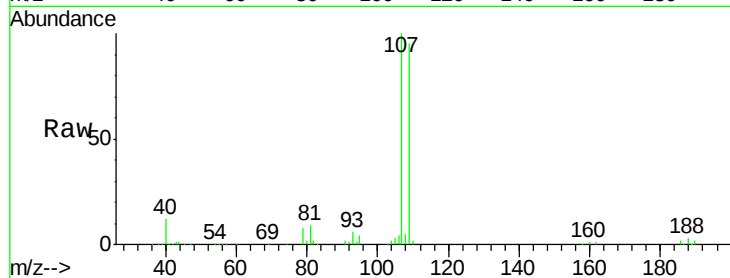
#61
 1,2-Dibromoethane
 Concen: 52.374 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.9	113.9

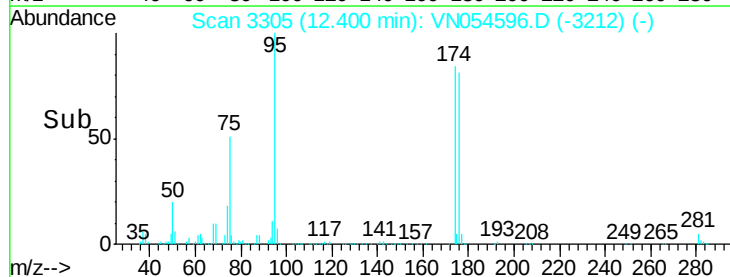
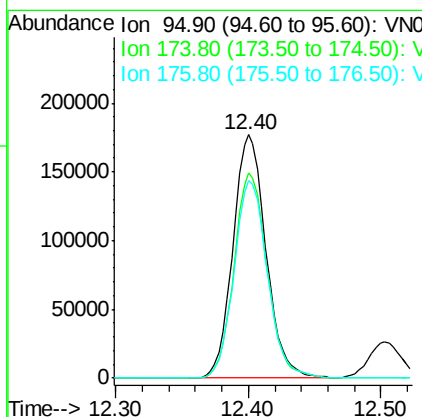
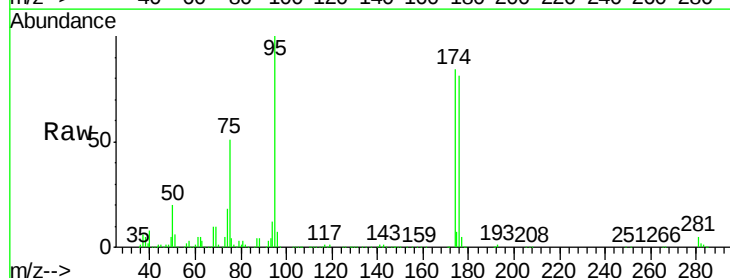
Manual Integrations
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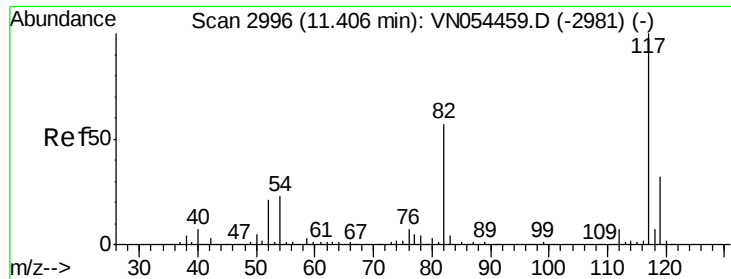
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#62
 4-Bromofluorobenzene
 Concen: 49.363 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	191.0
176	82.3	0.0	187.4





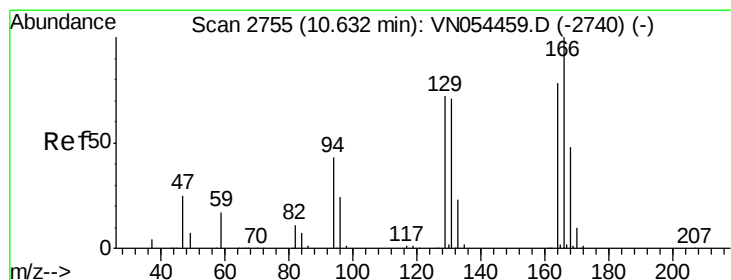
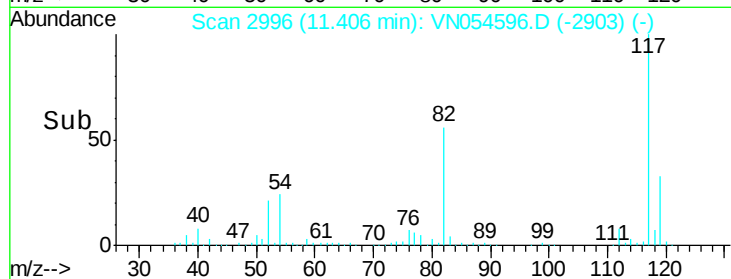
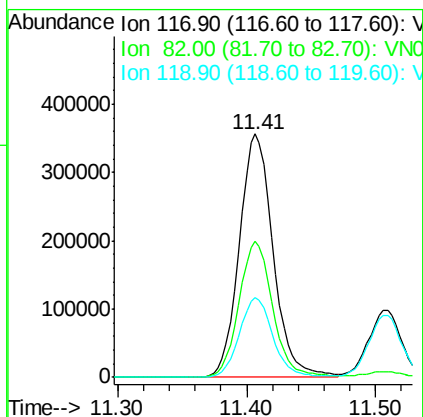
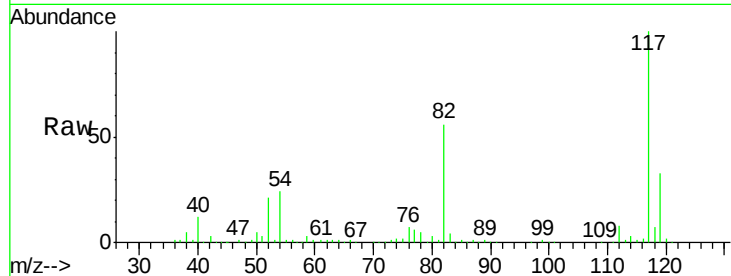
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	40.0	60.0
119	32.7	25.8	38.6

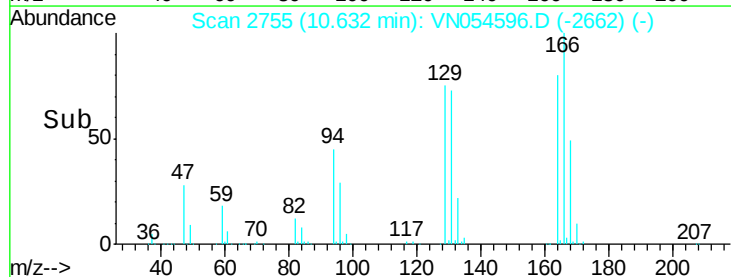
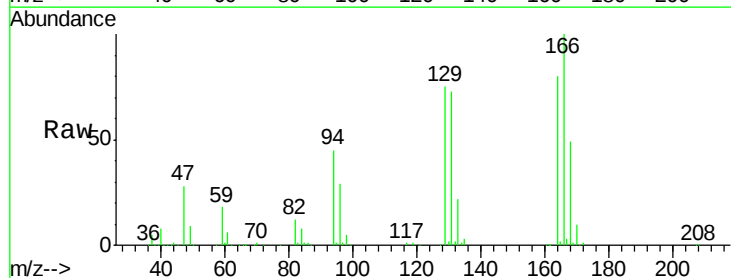
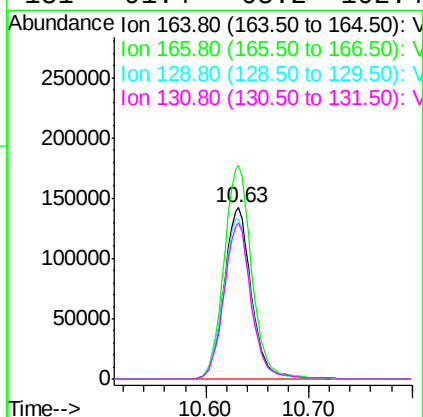
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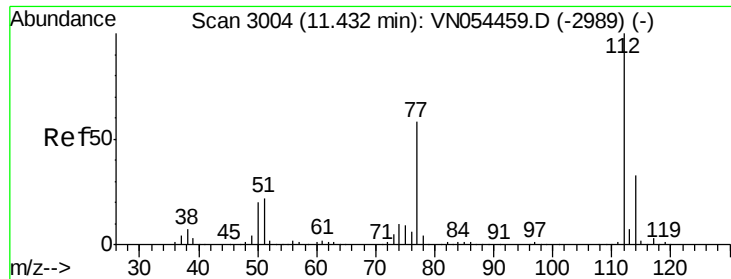
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#64
Tetrachloroethene
Concen: 48.741 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.9	155.9
129	93.4	71.1	106.7
131	91.4	68.2	102.4





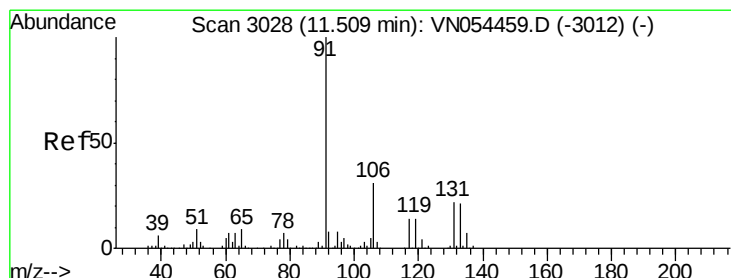
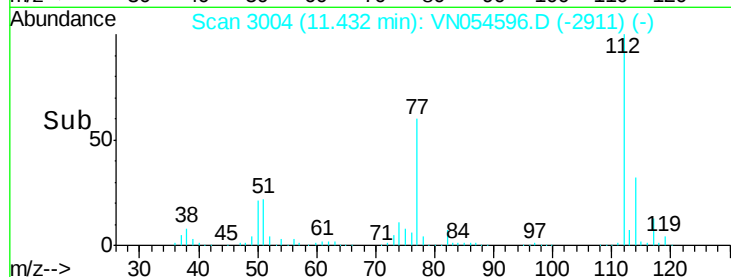
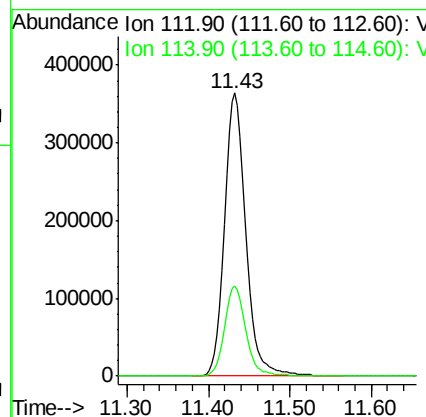
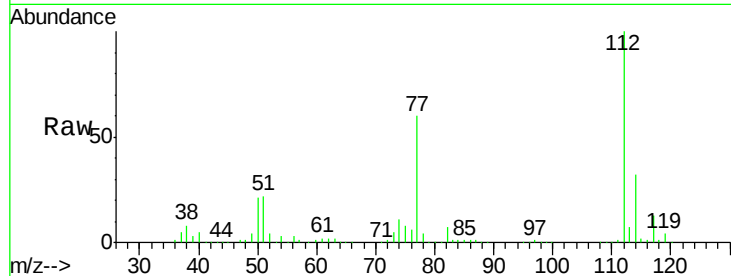
#65
Chlorobenzene
Concen: 50.986 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 675805
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

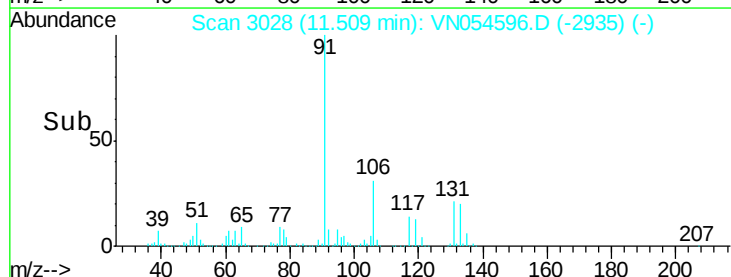
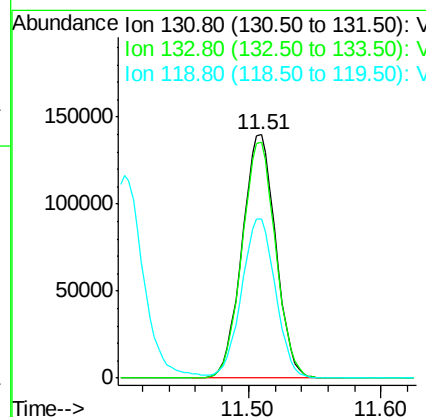
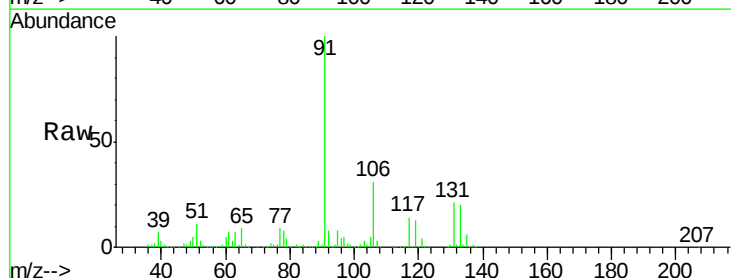
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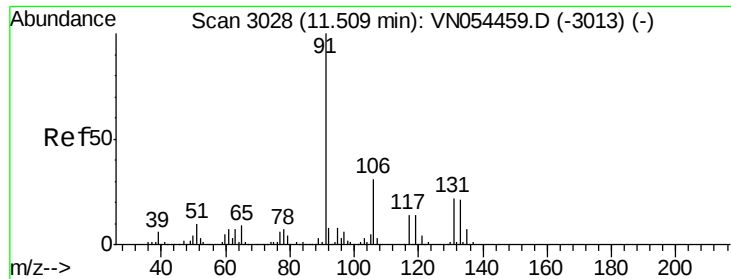
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.679 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion:131 Resp: 245863
Ion Ratio Lower Upper
131 100
133 96.9 47.6 142.9
119 66.2 32.4 97.0





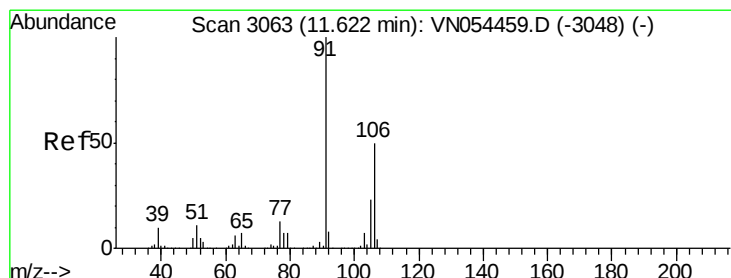
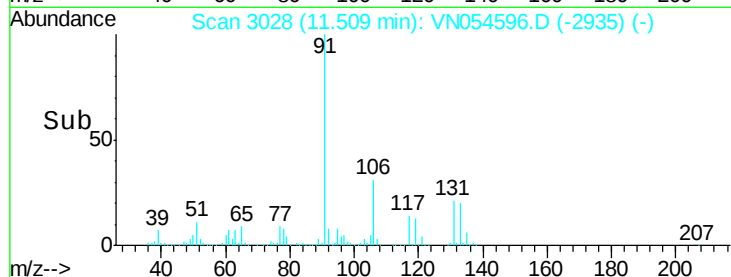
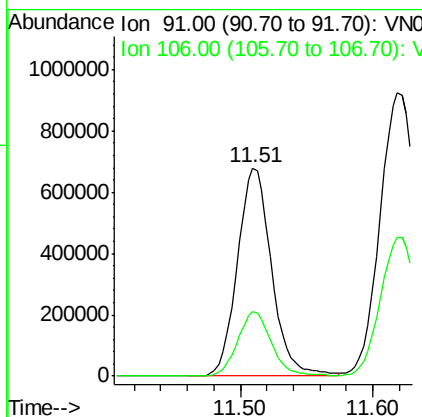
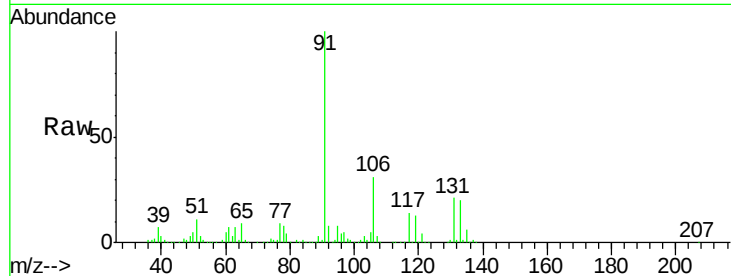
#67
Ethyl Benzene
Concen: 51.863 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1214292
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

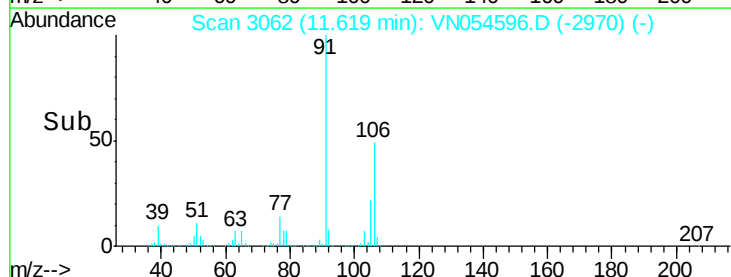
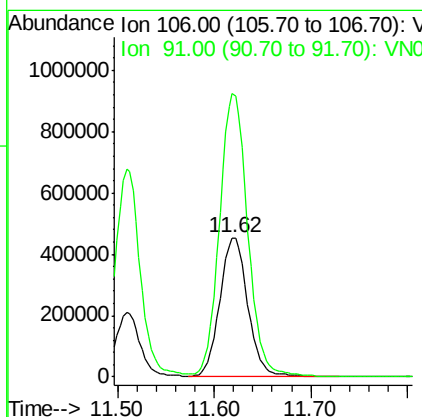
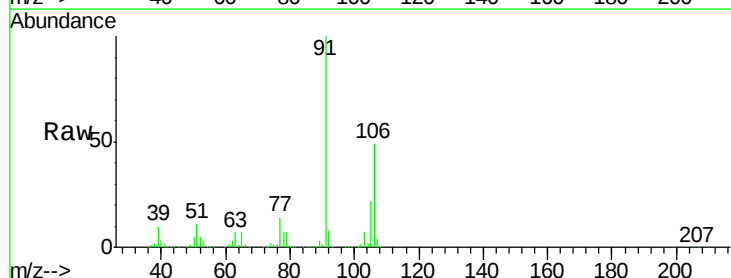
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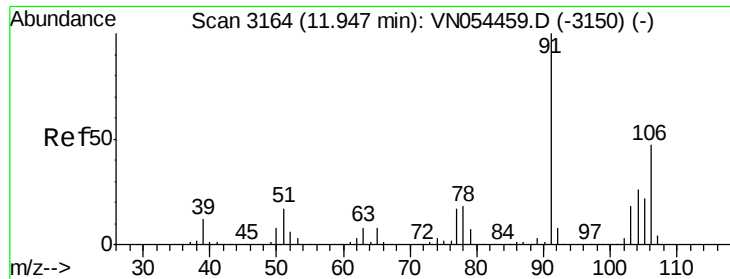
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#68
m/p-Xylenes
Concen: 103.254 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 106 Resp: 915705
Ion Ratio Lower Upper
106 100
91 205.0 159.4 239.2





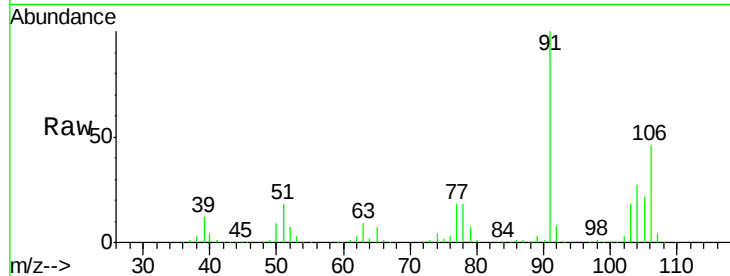
#69
o-Xylene
Concen: 51.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

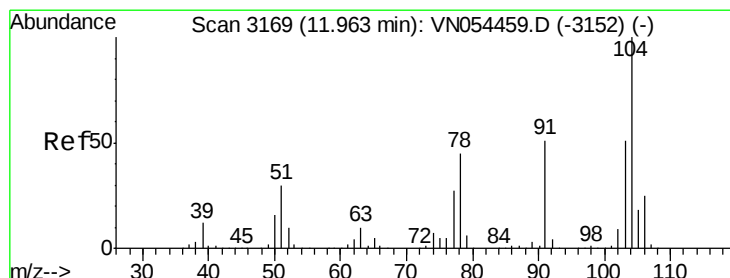
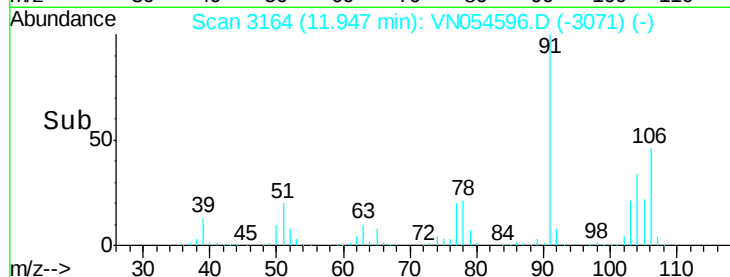
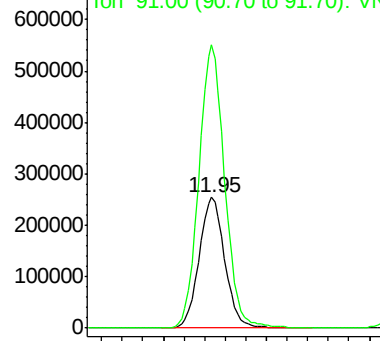
Tot Ion:106 Resp: 441841
Ion Ratio Lower Upper
106 100
91 216.7 105.7 317.1

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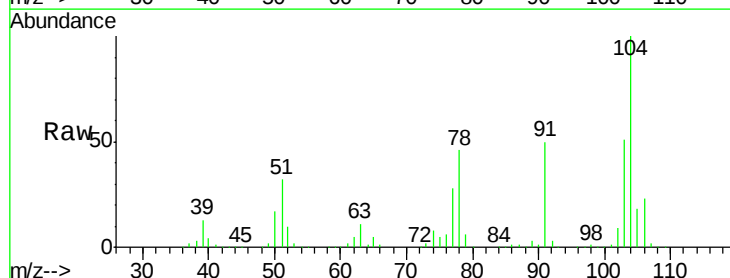


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

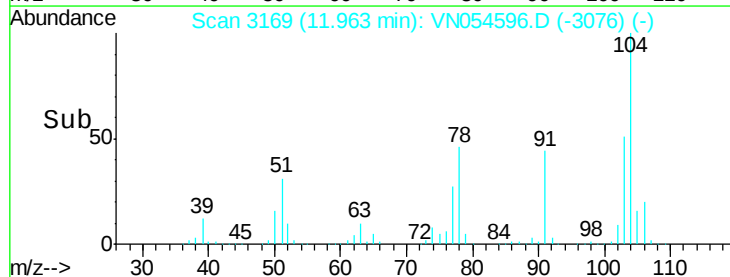
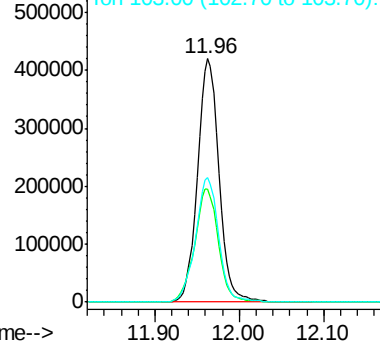


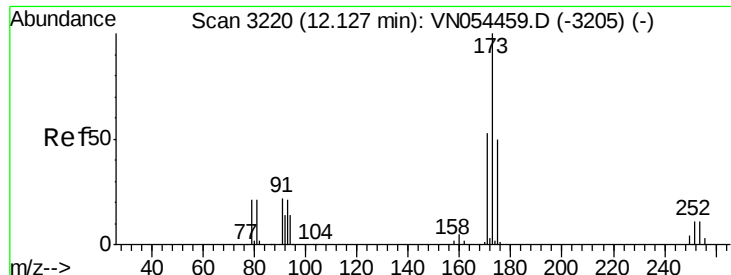
#70
Styrene
Concen: 52.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion:104 Resp: 739847
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 55.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 46.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 152029

Ion Ratio Lower Upper

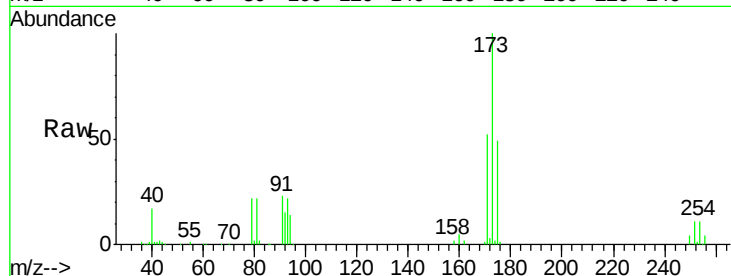
173 100

175 48.0 24.4 73.2

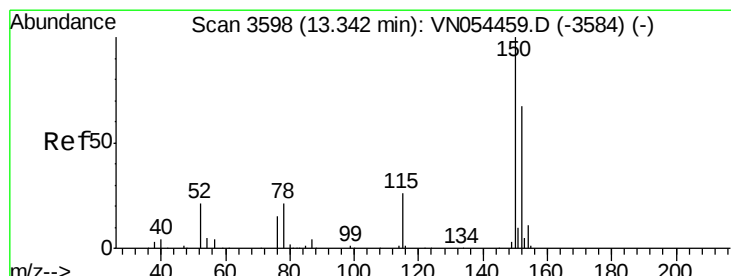
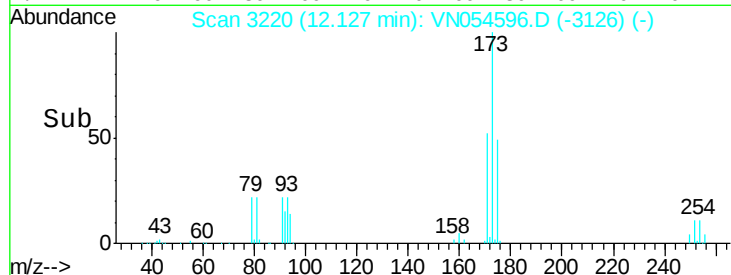
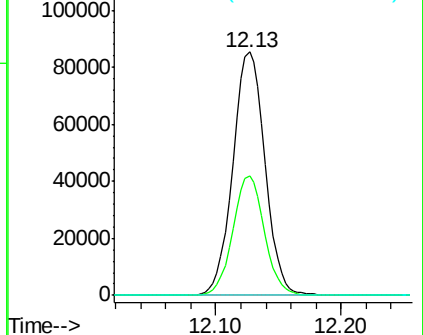
254 0.1 0.1 0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

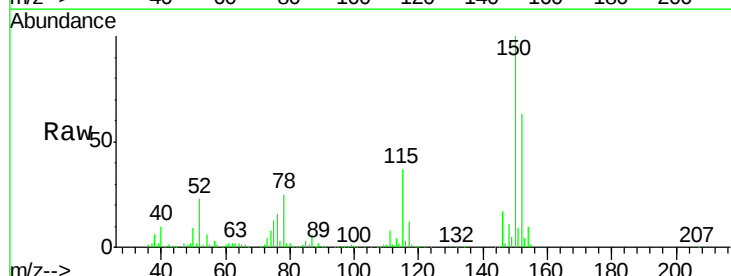
Tgt Ion:152 Resp: 300906

Ion Ratio Lower Upper

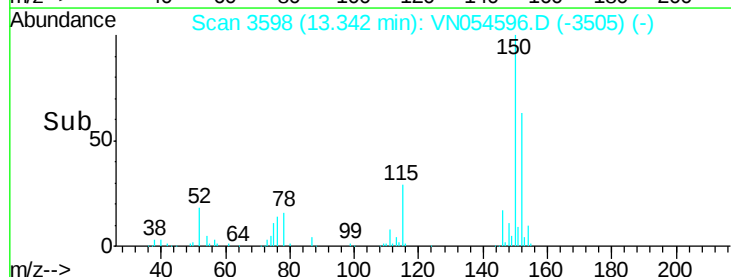
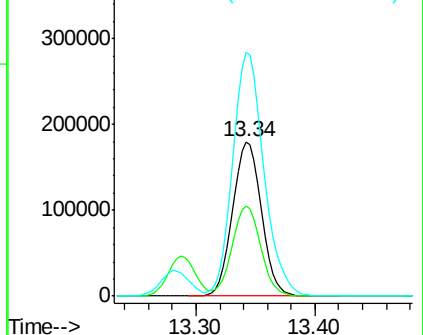
152 100

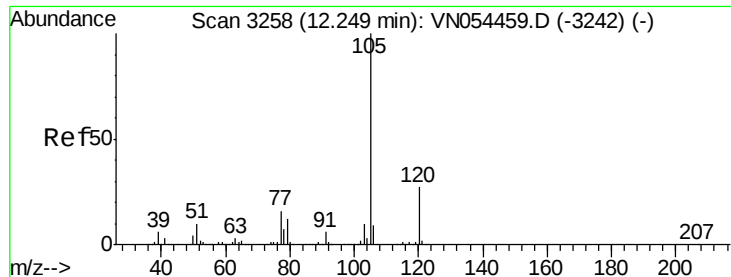
115 57.9 27.2 81.6

150 171.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.445 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1174670

Ion Ratio Lower Upper

105 100

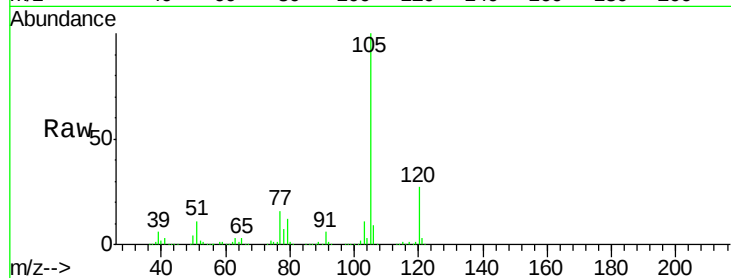
120 26.6 13.8 41.3

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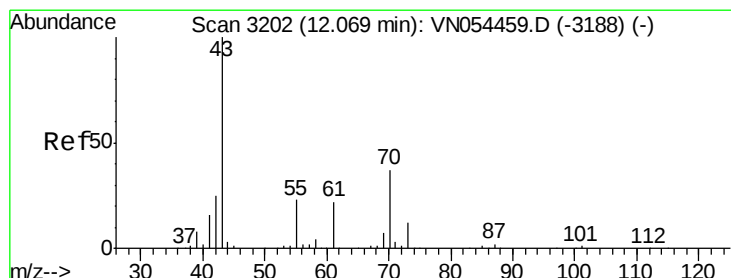
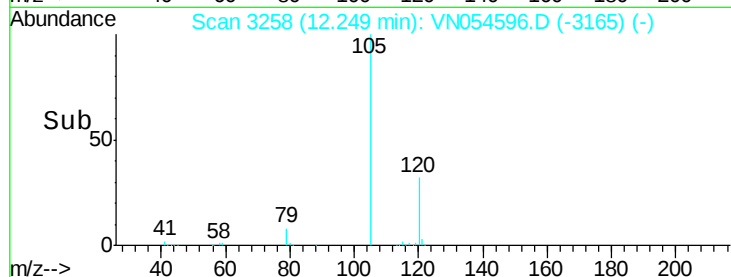
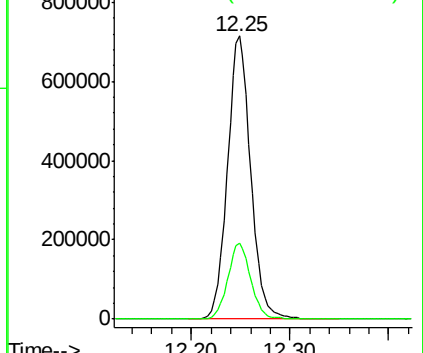
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.046 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion: 43 Resp: 404702

Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 23.6 19.8 29.6

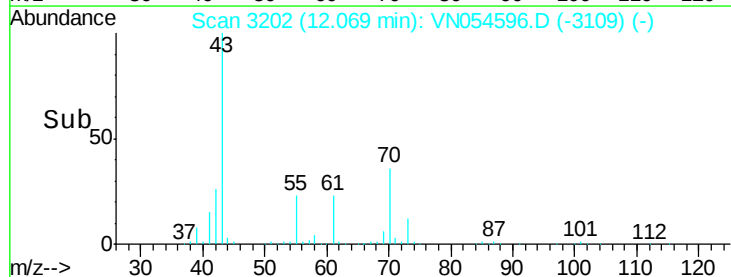
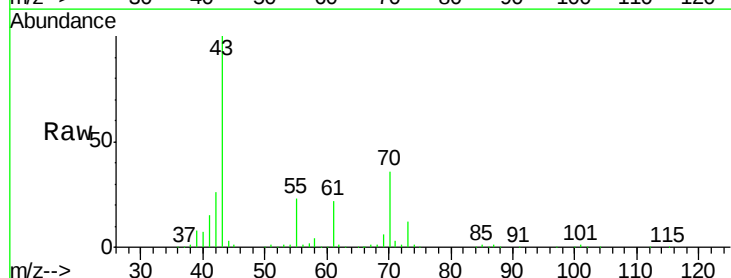
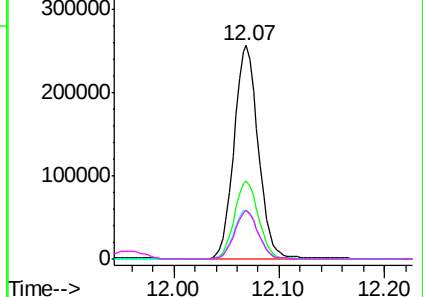
61 22.1 19.8 29.6

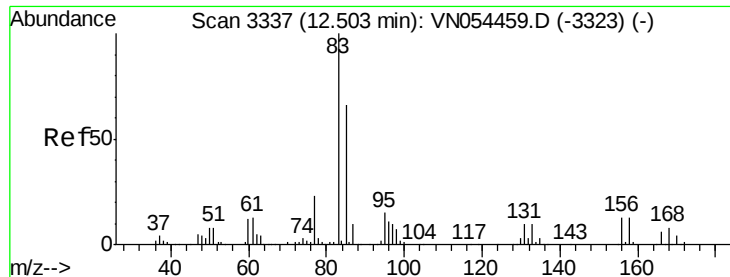
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.796 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

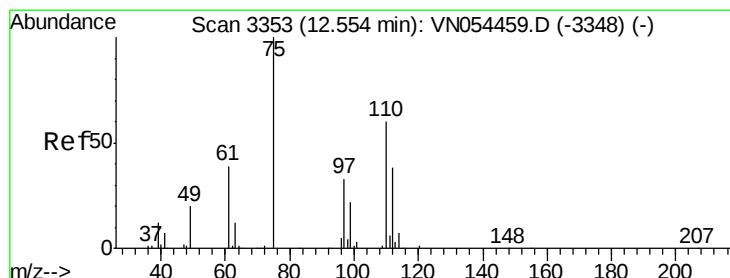
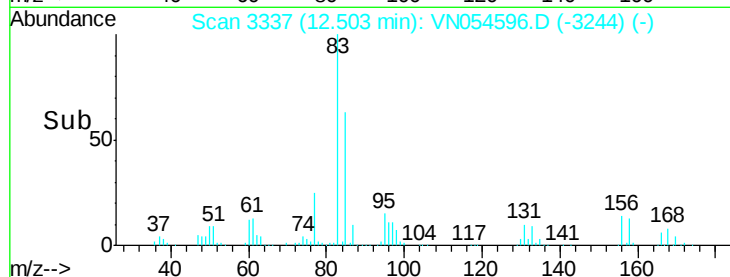
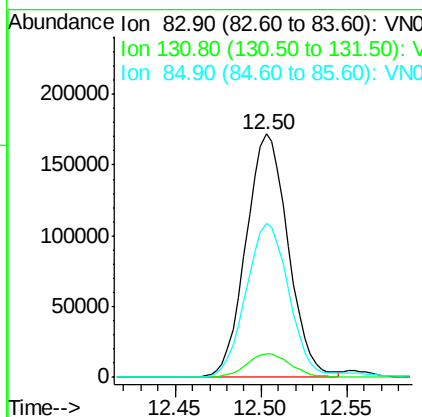
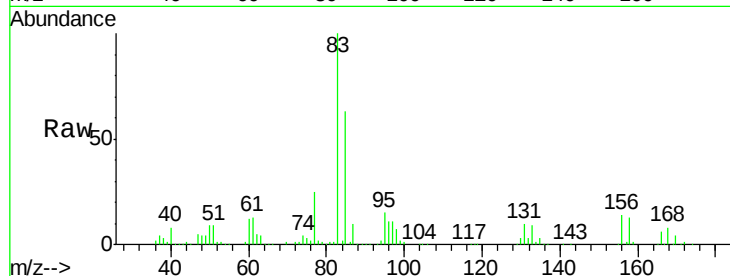
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	292233
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	64.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 55.032 ug/l m

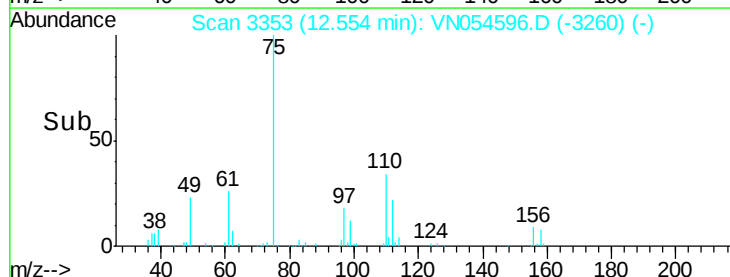
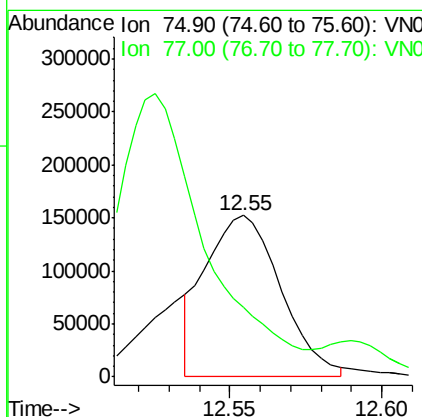
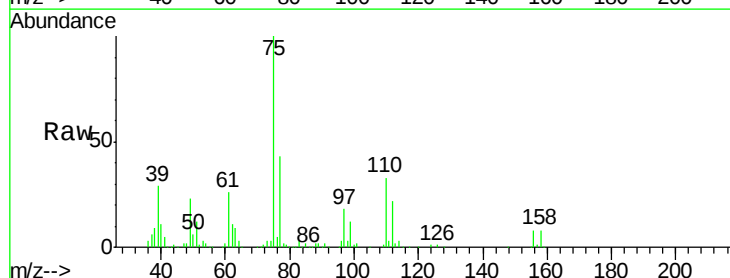
RT: 12.55 min Scan# 3353

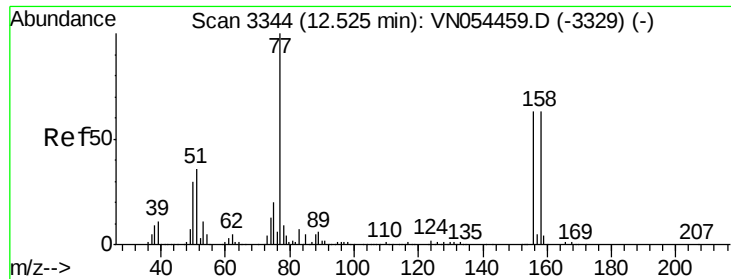
Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion:	75	Resp:	262774
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.944 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

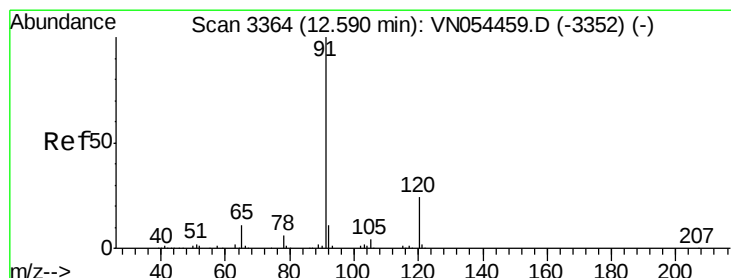
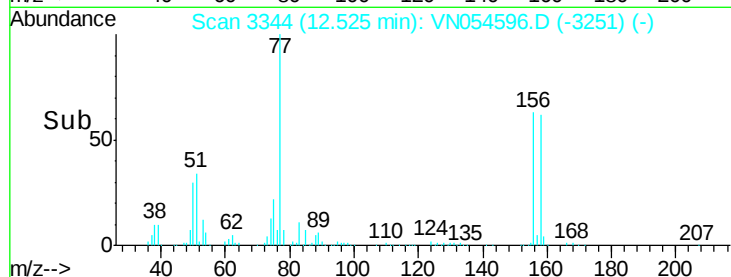
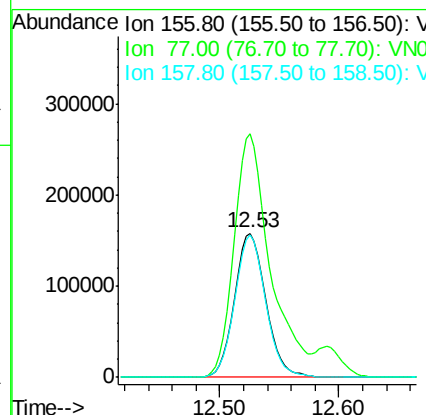
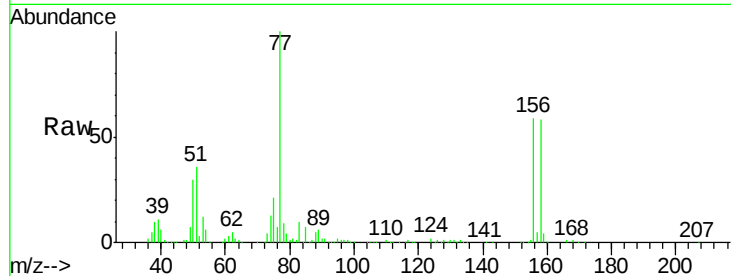
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		288325		
77	195.5	81.5	244.4		
158	97.4	49.0	147.2		

Manual Integrations
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#78

n-propylbenzene

Concen: 50.388 ug/l

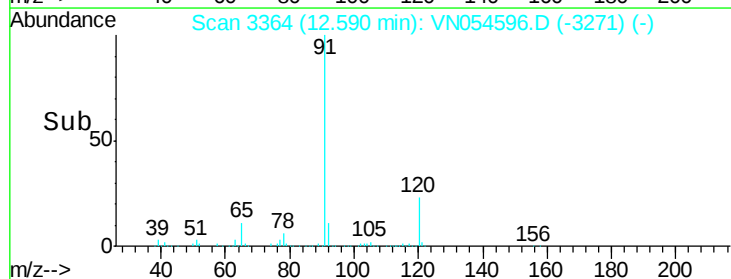
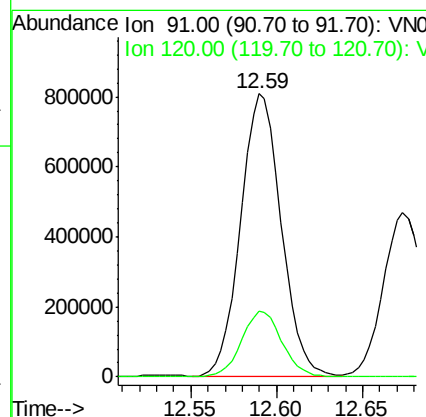
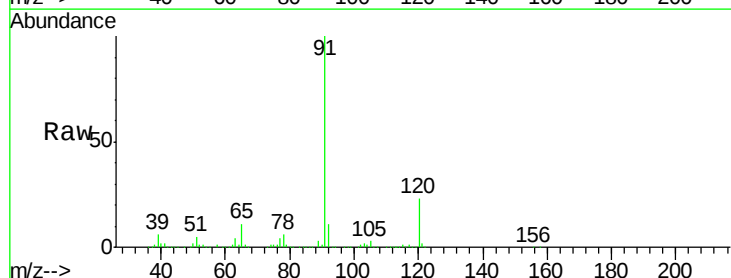
RT: 12.59 min Scan# 3364

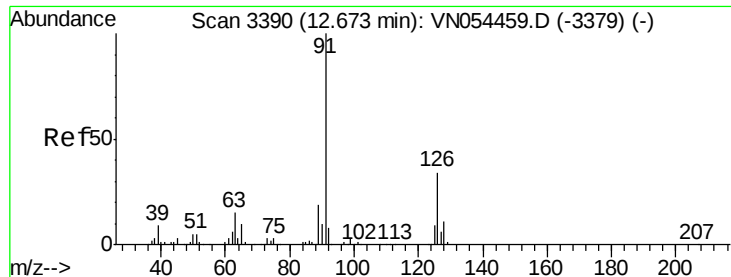
Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1324853		
120	23.1	12.3	36.9		





#79

2-Chlorotoluene

Concen: 48.023 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 787393

Ion Ratio Lower Upper

91 100

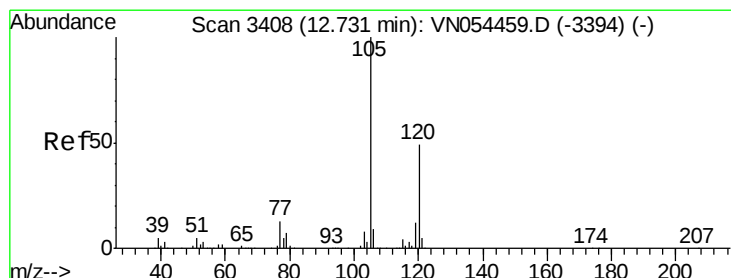
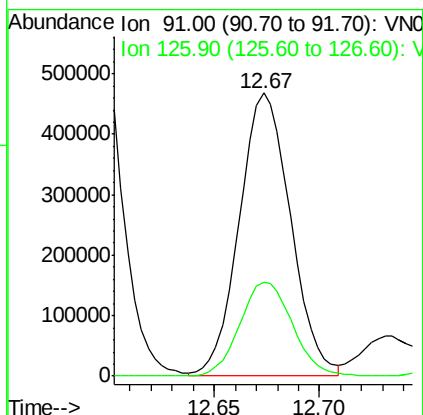
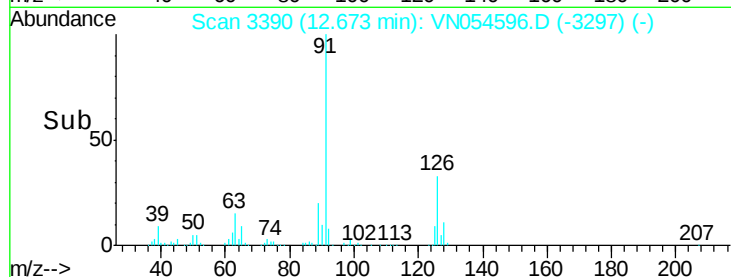
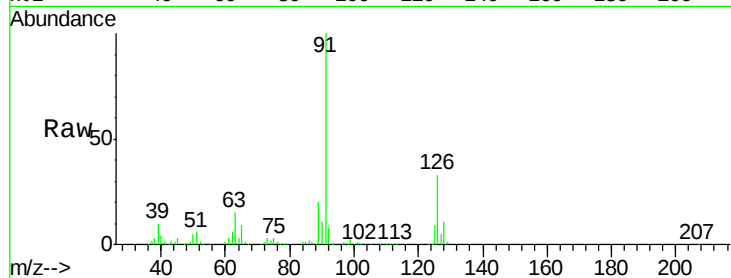
126 34.4 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.550 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054596.D

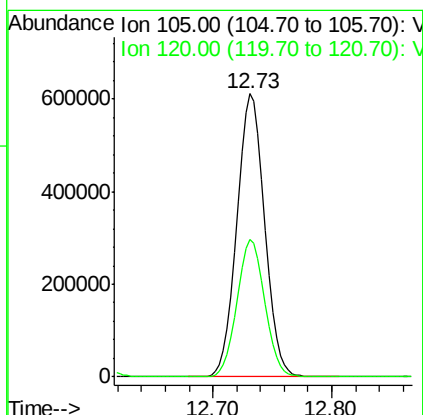
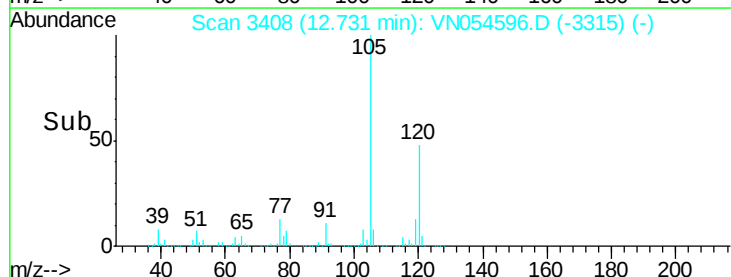
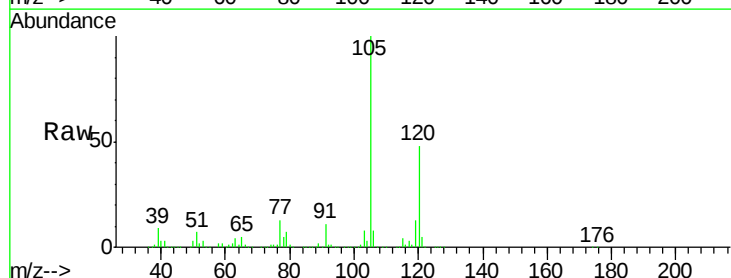
Acq: 23 Mar 2019 11:14

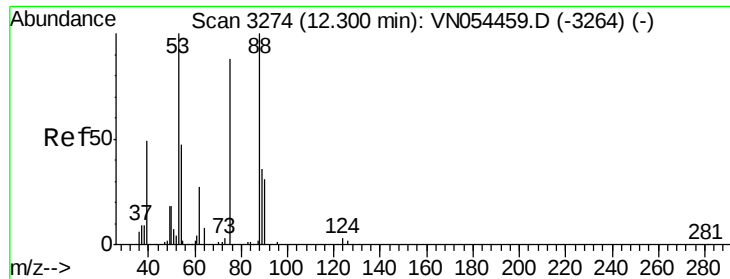
Tgt Ion: 105 Resp: 984699

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





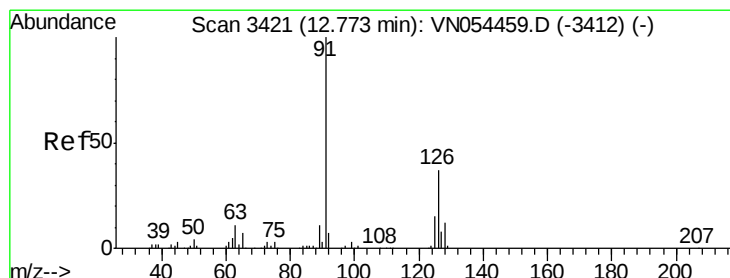
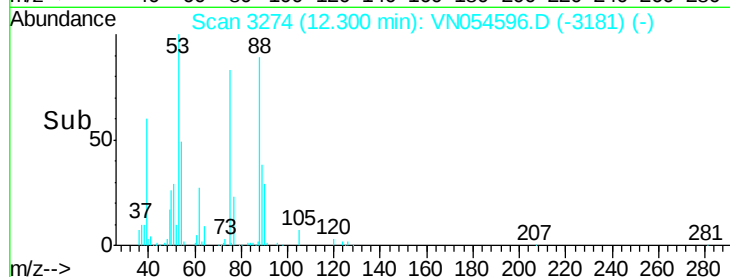
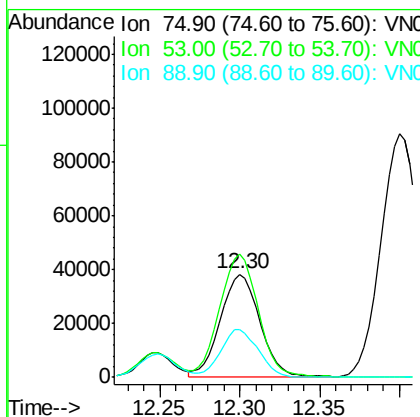
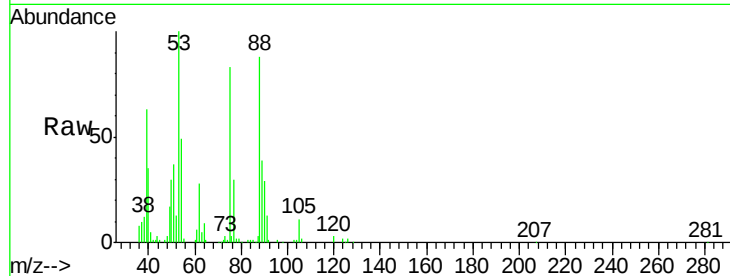
#81
trans-1,4-Dichloro-2-butene
Concen: 45.948 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.0	76.2	114.2#
89	46.3	39.2	58.8

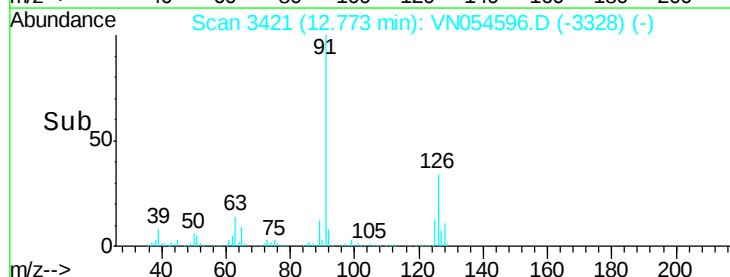
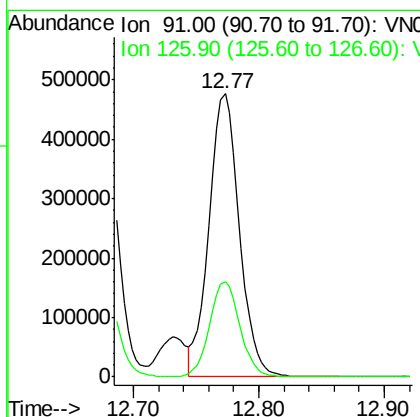
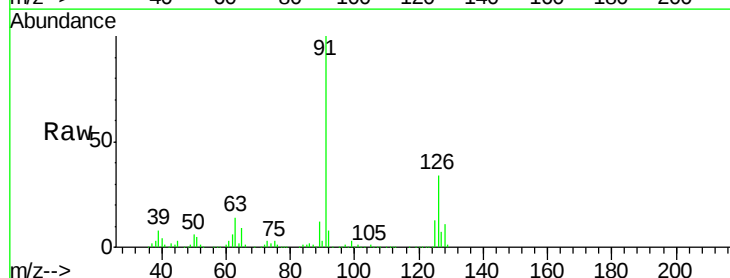
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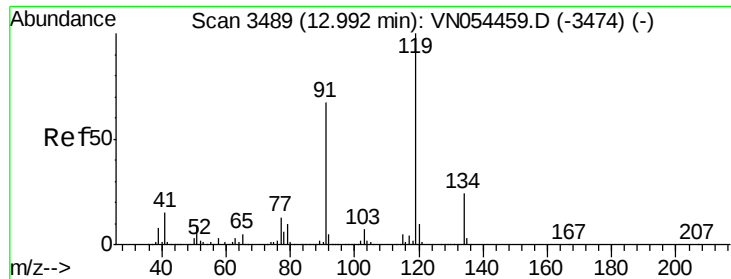
MMDadoda
3/25/2019 10:23:27 AM



#82
4-Chlorotoluene
Concen: 50.211 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.1	54.1





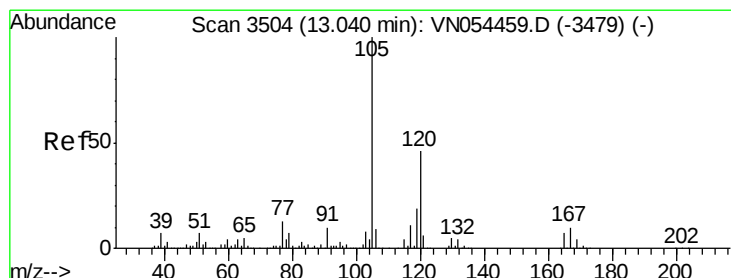
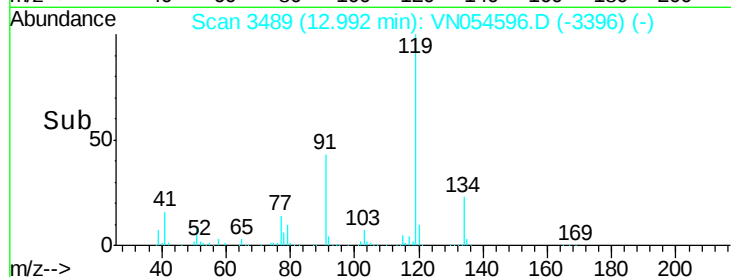
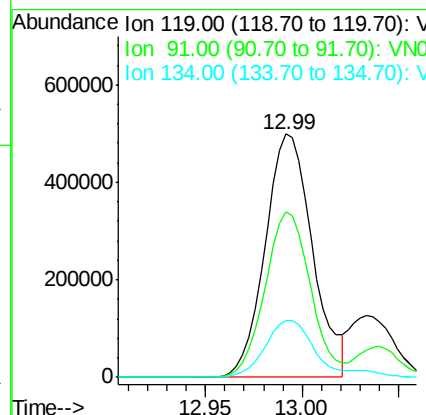
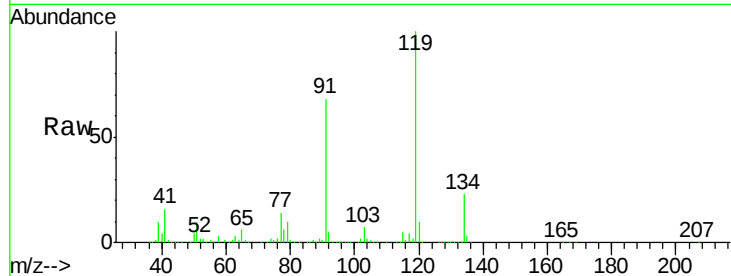
#83
tert-Butylbenzene
Concen: 49.147 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	30.9	92.8
134	23.6	13.2	39.6

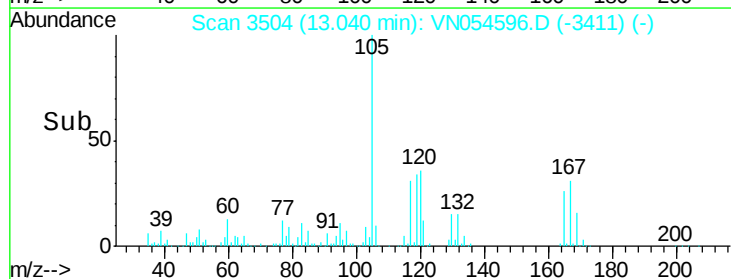
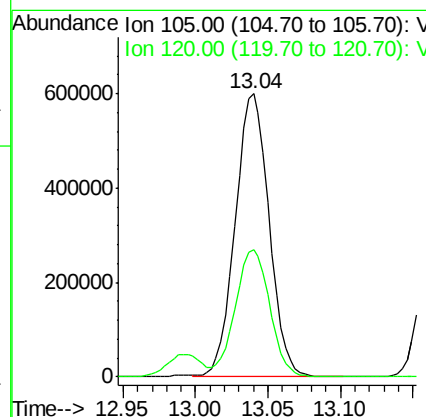
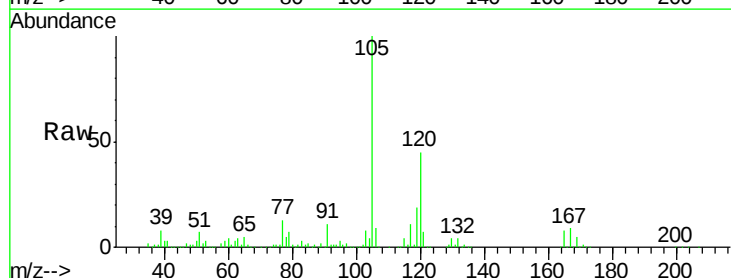
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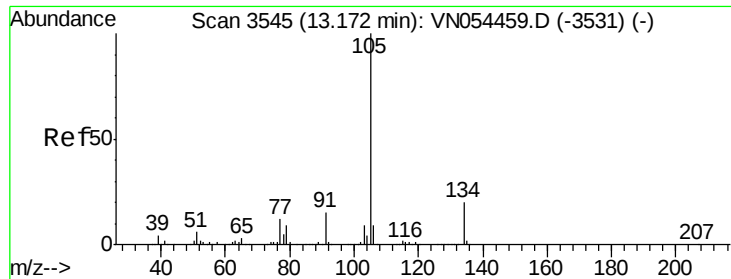
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.635 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





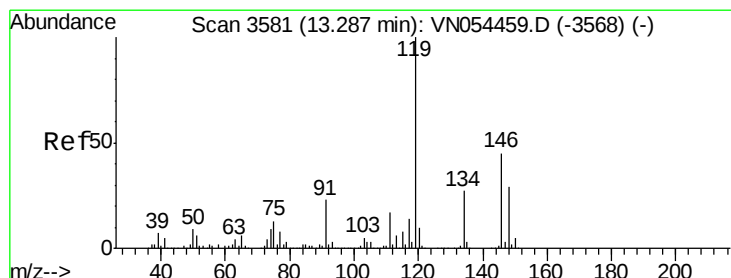
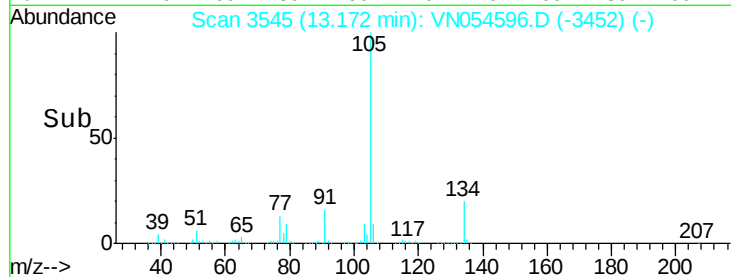
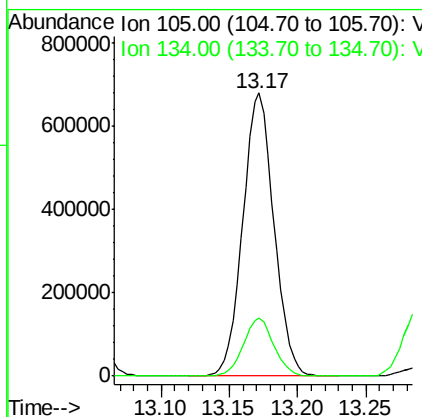
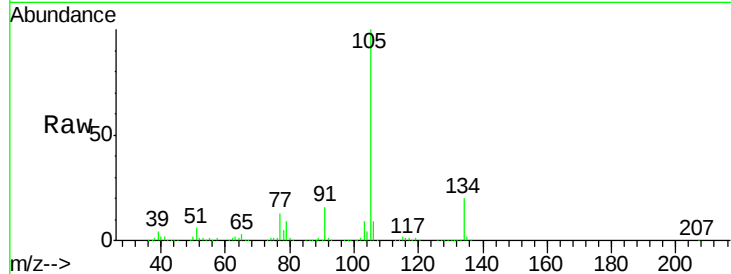
#85
 sec-Butylbenzene
 Concen: 49.702 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1071771
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.7 32.1

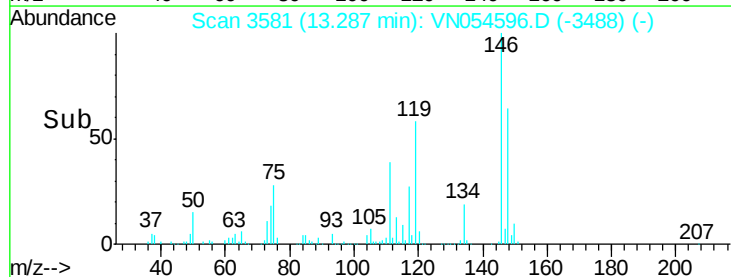
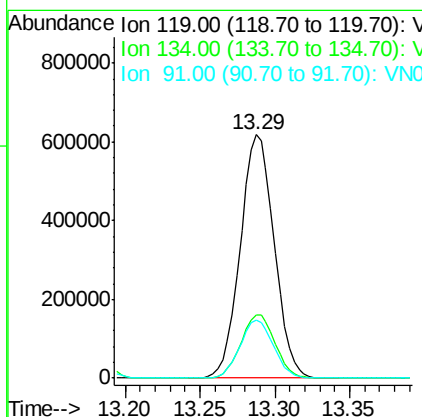
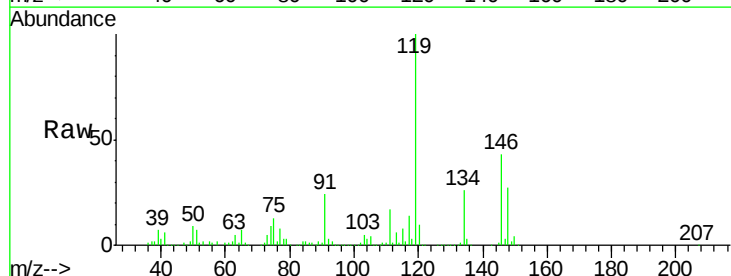
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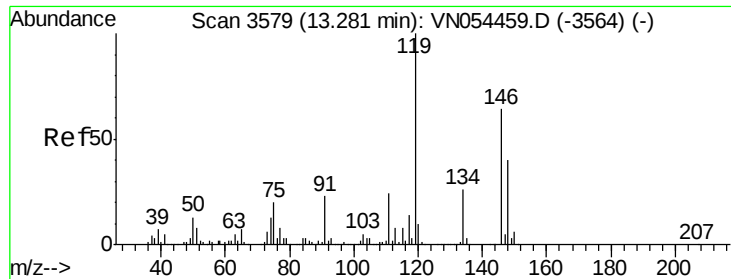
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#86
 p-Isopropyltoluene
 Concen: 50.340 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion:119 Resp: 971174
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.6 40.8
 91 23.7 11.1 33.3





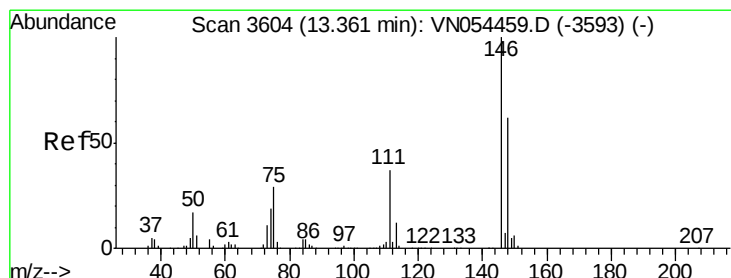
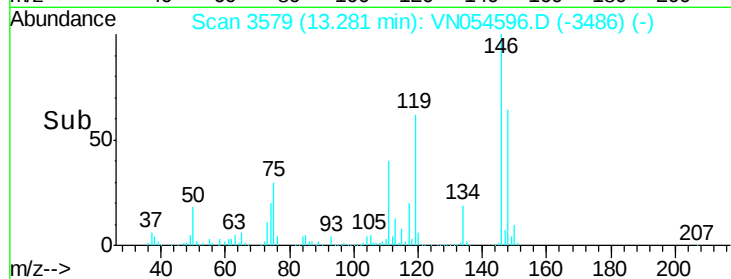
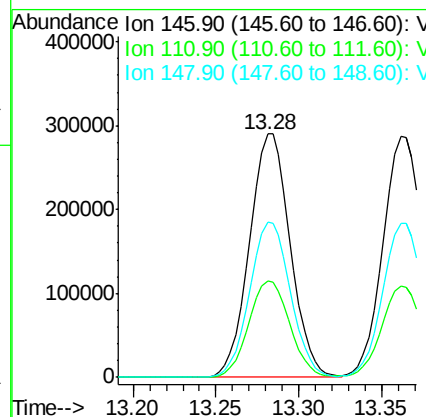
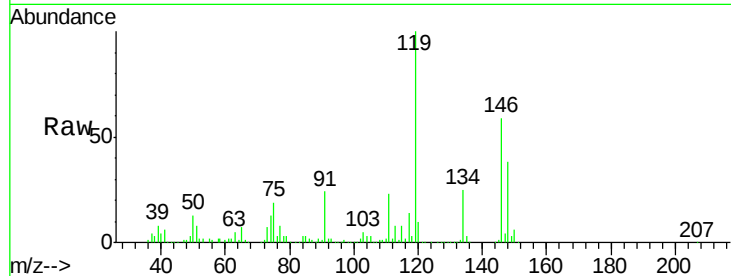
#87
 1,3-Dichlorobenzene
 Concen: 49.898 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.3
148	63.9	32.2	96.6

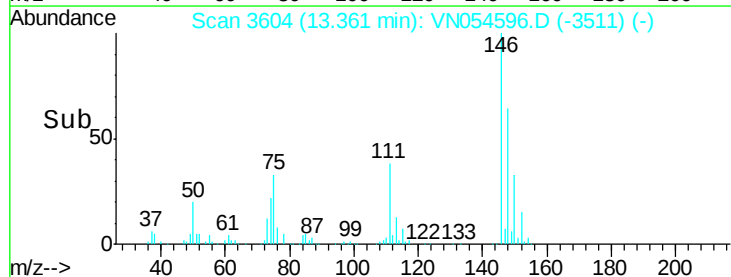
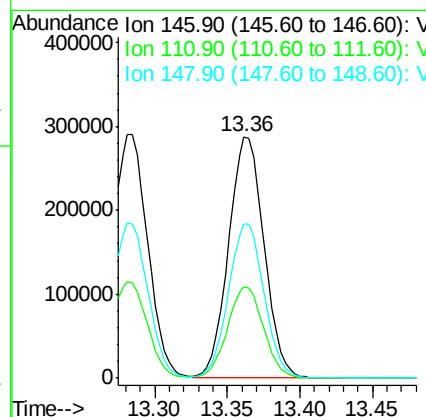
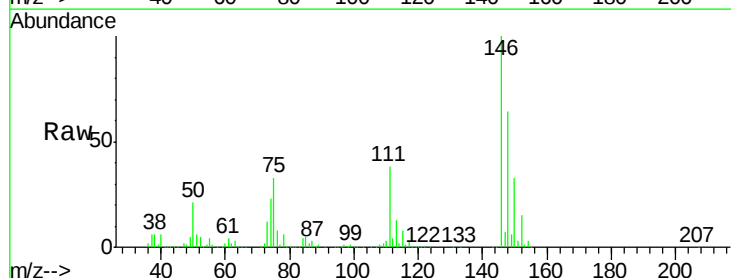
Manual Integrations
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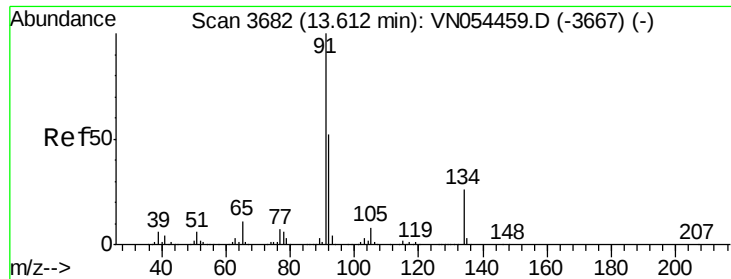
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#88
 1,4-Dichlorobenzene
 Concen: 50.154 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.1	54.1
148	64.4	32.0	96.0





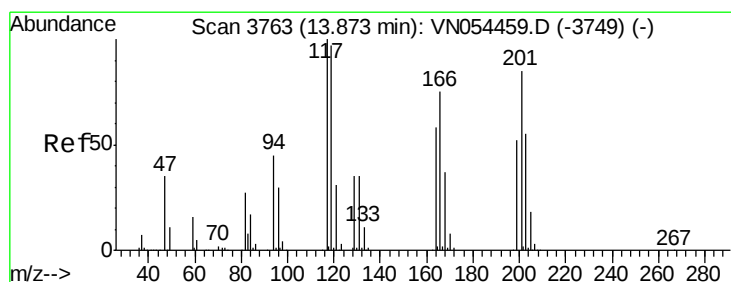
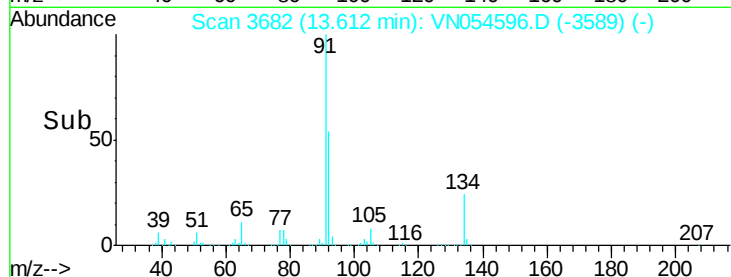
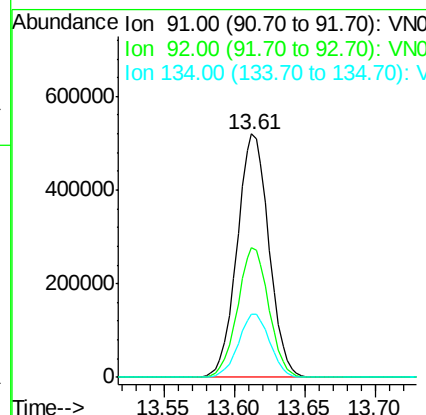
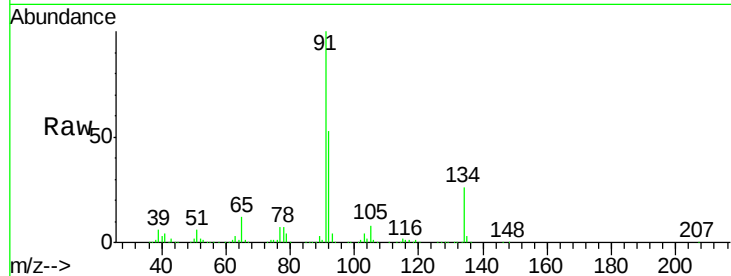
#89
n-Butylbenzene
Concen: 54.285 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	25.8	14.3	42.9

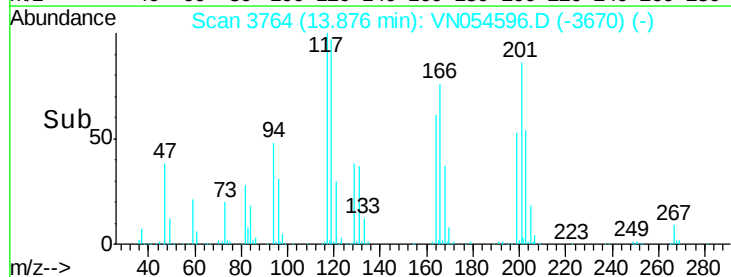
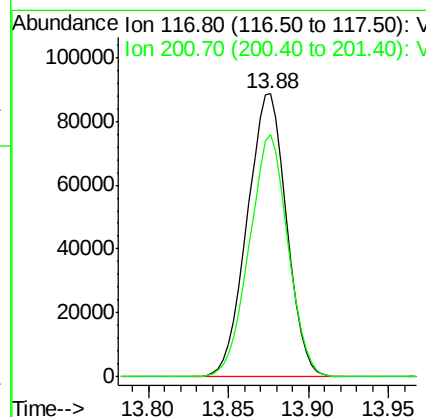
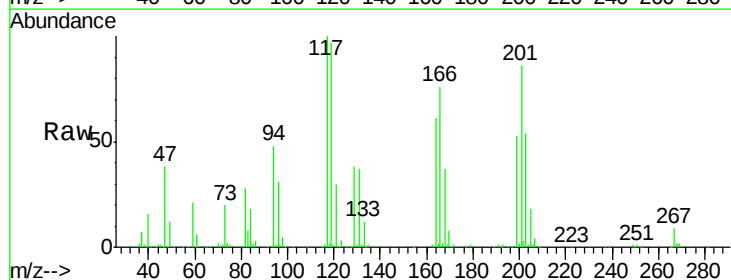
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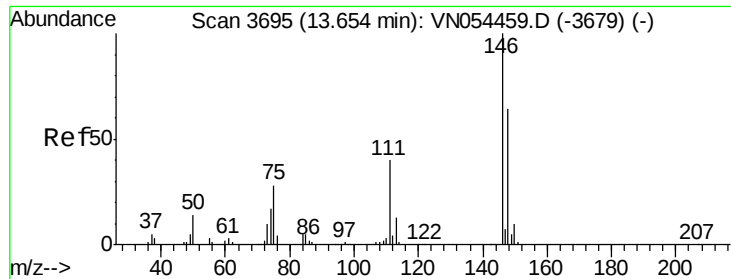
MMDadoda
3/25/2019 10:23:27 AM



#90
Hexachloroethane
Concen: 49.861 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	48.1	144.4





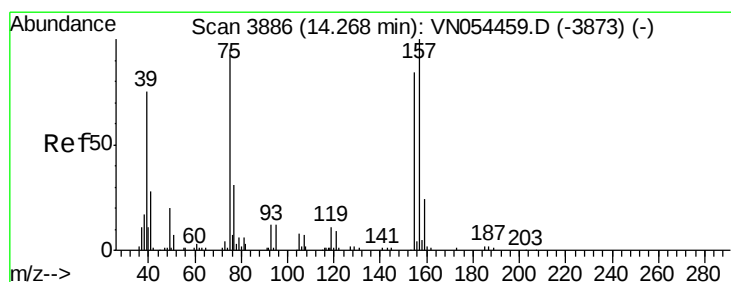
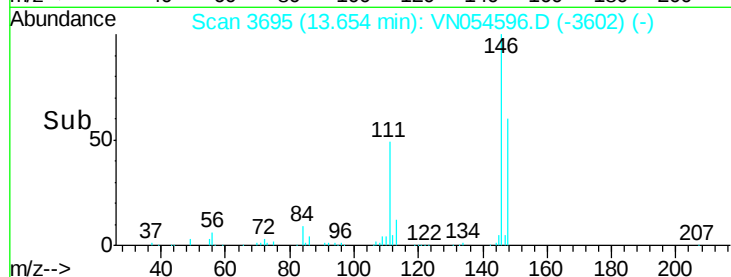
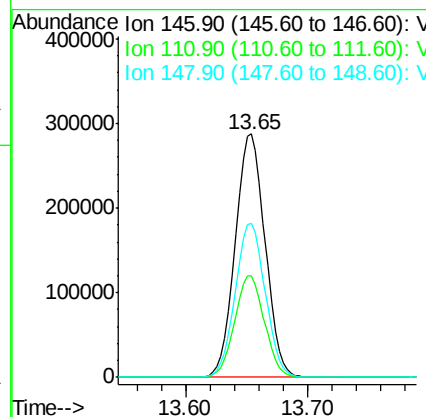
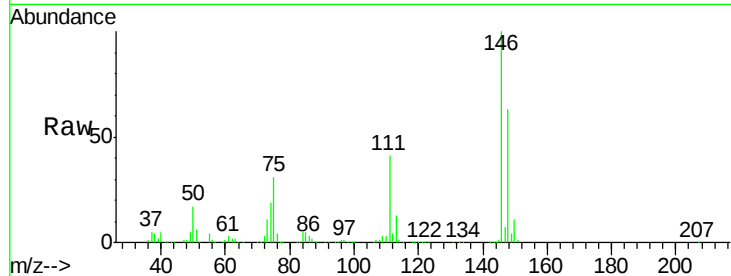
#91
 1,2-Dichlorobenzene
 Concen: 50.625 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	488668		
111	41.6	19.1	57.3	
148	63.7	32.4	97.0	

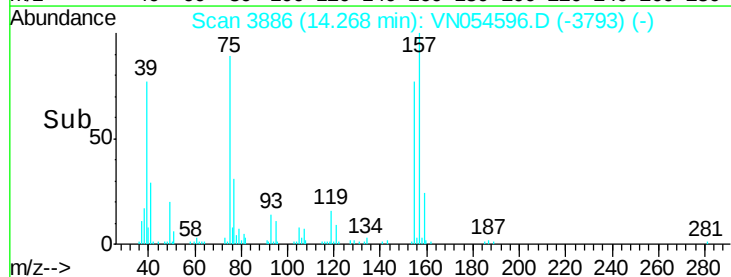
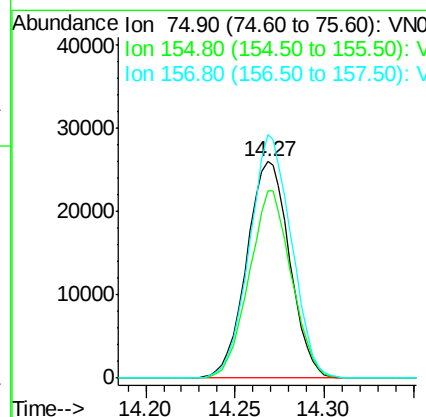
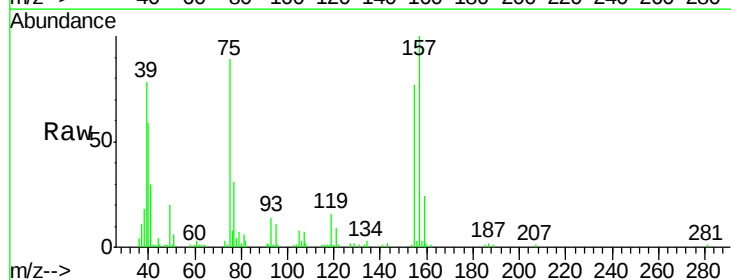
Manual Integrations
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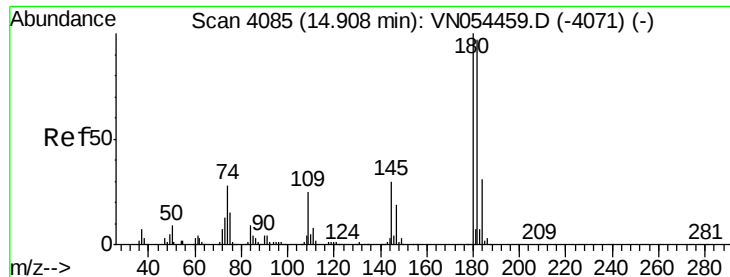
MMDadoda
 3/25/2019 10:23:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.936 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43789		
155	84.9	50.1	150.3	
157	109.8	63.1	189.3	





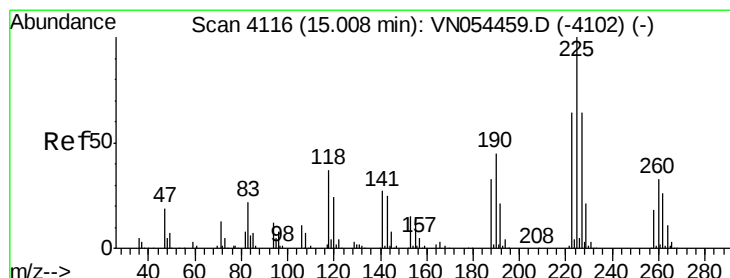
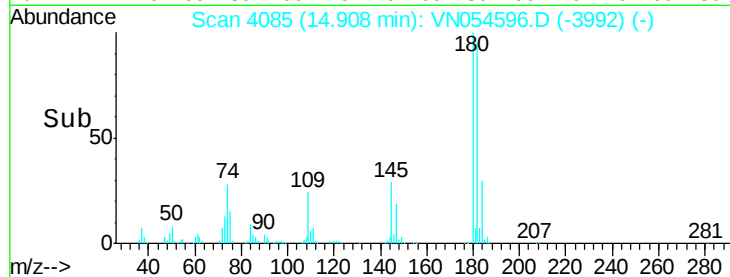
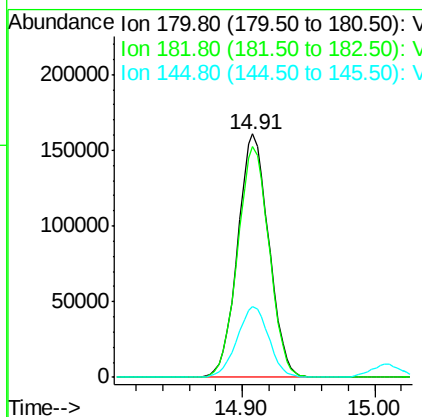
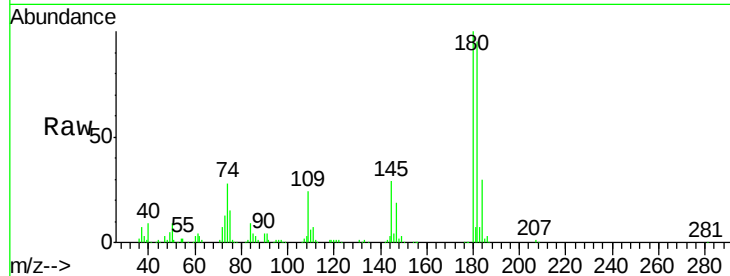
#93
 1,2,4-Trichlorobenzene
 Concen: 54.452 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262018		
182	95.9	48.0	144.2	
145	29.6	14.2	42.8	

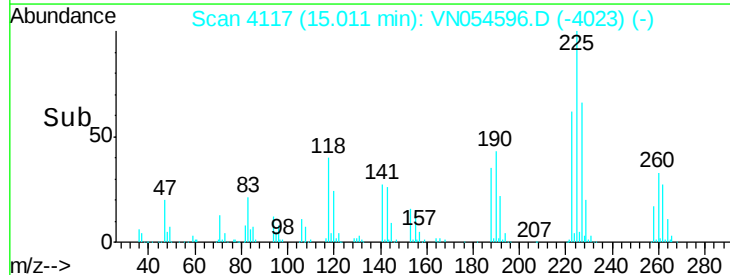
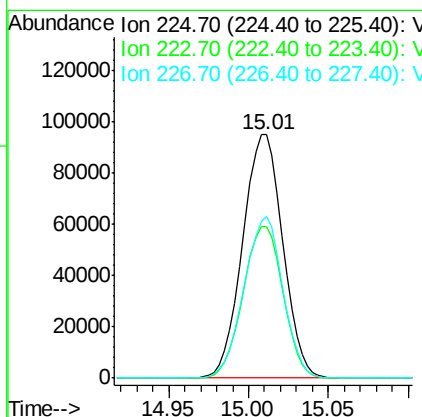
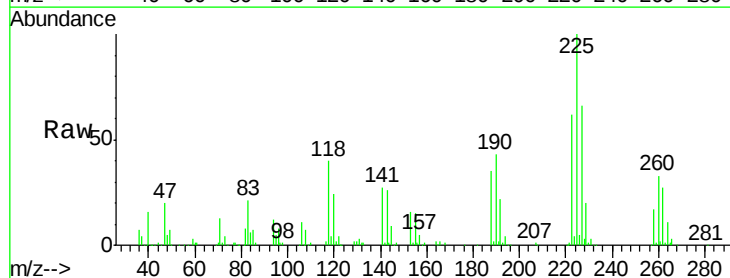
Manual Integrations
 APPROVED

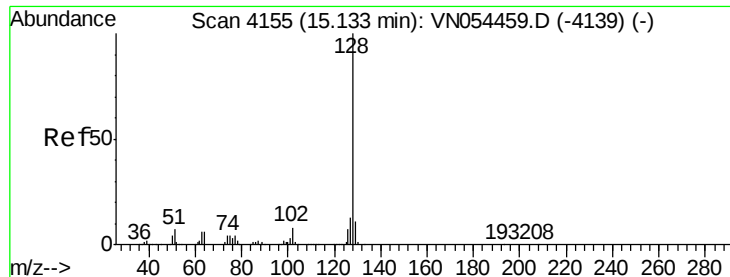
MMDadoda
 3/25/2019 10:23:27 AM



#94
 Hexachlorobutadiene
 Concen: 60.618 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162463		
223	62.0	31.1	93.5	
227	64.2	31.9	95.9	





#95

Naphthalene

Concen: 55.324 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

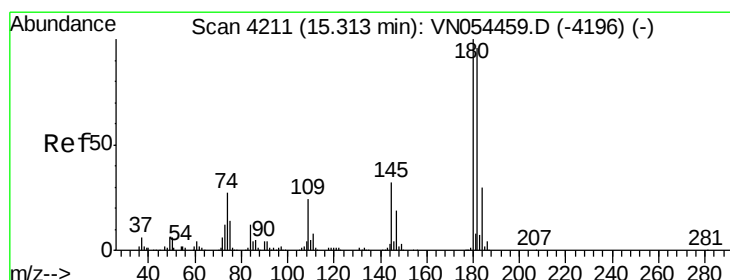
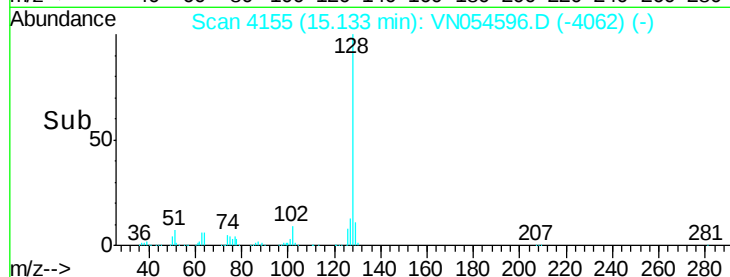
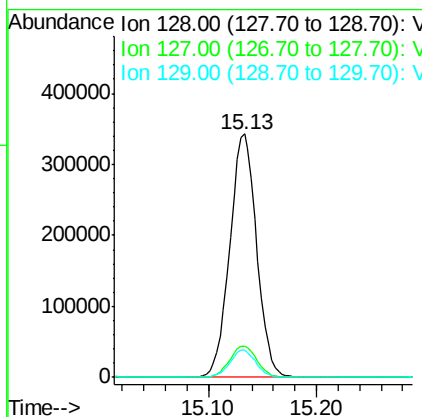
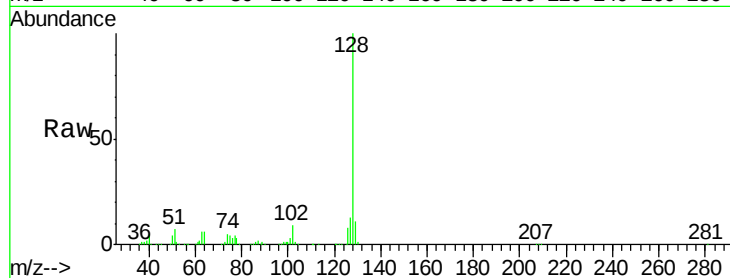
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	593810
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 10:23:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.571 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion:	180	Resp:	256560
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.6
145	30.2	14.8	44.3

