

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054996.D
 Acq On : 12 Apr 2019 13:28
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:37:03 AM

Quant Time: Apr 12 23:30:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	72062	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	385865	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	332505	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165288	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.40	95	153648	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	10.09	98	478219	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	79600	18.781	ug/l 99
3) Chloromethane	2.06	50	110940	19.377	ug/l 100
4) Vinyl Chloride	2.19	62	93382	18.861	ug/l 96
5) Bromomethane	2.56	94	57223	19.982	ug/l 92
6) Chloroethane	2.71	64	51904	18.719	ug/l 96
7) Trichlorofluoromethane	3.02	101	124836	19.732	ug/l 97
8) Diethyl Ether	3.41	74	39784	19.585	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67198	19.430	ug/l 96
10) 1,1-Dichloroethene	3.73	96	60041	18.778	ug/l 98
11) Methyl Iodide	3.94	142	90198	18.641	ug/l 99
12) Methyl Acetate	4.33	43	90895	23.111	ug/l 97
13) Acrolein	3.61	56	32181	93.363	ug/l 97
14) Acrylonitrile	5.00	53	167424	103.906	ug/l 99
15) Acetone	3.82	58	34936	87.620	ug/l 100
16) Carbon Disulfide	4.04	76	195686	18.245	ug/l 99
17) Allyl chloride	4.32	41	153706	19.520	ug/l 97
18) Methylene Chloride	4.55	84	93523	19.787	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	81589	19.602	ug/l 97
20) Diisopropyl ether	5.96	45	314204	19.697	ug/l 98
21) 1,1-Dichloroethane	5.85	63	168357	19.760	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	93555	19.337	ug/l 99
23) tert-Butyl Alcohol	4.82	59	29505	114.840	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	220631	20.550	ug/l # 63
25) Chloroform	7.37	83	161084	19.738	ug/l 98
26) Cyclohexane	7.65	56	147444	18.651	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	120271	20.014	ug/l 98
30) 2-Butanone	6.85	43	202173	101.351	ug/l 100
31) 2,2-Dichloropropane	6.82	77	105832	19.134	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	127585	20.086	ug/l 98
33) Carbon Tetrachloride	7.77	117	106044	19.283	ug/l 98
34) Benzene	8.04	78	355489	19.962	ug/l 98
35) Methacrylonitrile	7.18	41	46820	19.914	ug/l 93
36) 1,2-Dichloroethane	8.12	62	127104	20.883	ug/l 100
37) Trichloroethene	8.83	130	89154	19.638	ug/l 95
38) Methylcyclohexane	9.08	83	133244	19.120	ug/l 98
39) 1,2-Dichloropropane	9.12	63	103290	21.005	ug/l 100
40) Dibromomethane	9.21	93	55972	20.138	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	114825	20.017	ug/l	96
42) Vinyl Acetate	5.90	43	1037202	102.850	ug/l	100
43) Ethyl Acetate	6.94	43	83763	20.612	ug/l	99
44) Isopropyl Acetate	8.17	43	146996	21.344	ug/l	95
45) 1,4-Dioxane	9.20	88	17239	451.828	ug/l	94
46) Methyl methacrylate	9.20	41	73803	20.716	ug/l	99
47) n-amyl Acetate	12.07	43	104387	20.579	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	98949	18.784	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	125255	19.261	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	77146	20.436	ug/l	99
51) Ethyl methacrylate	10.43	69	89212	19.825	ug/l	95
52) 1,3-Dichloropropane	10.71	76	137738	20.822	ug/l	99
53) Dibromochloromethane	10.90	129	75319	19.369	ug/l	98
54) 1,2-Dibromoethane	11.01	107	70676	19.942	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	195787	104.070	ug/l	99
56) Bromoform	12.13	173	45490	18.618	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	423744	110.509	ug/l	100
59) 2-Hexanone	10.75	43	259375	106.478	ug/l	99
61) Tetrachloroethene	10.63	164	85519	19.763	ug/l	96
62) Toluene	10.16	91	373361	20.379	ug/l	99
64) Chlorobenzene	11.43	112	225300	20.370	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	78735	20.015	ug/l	96
66) Ethyl Benzene	11.51	91	394497	20.087	ug/l	99
67) m/p-Xylenes	11.62	106	297814	40.796	ug/l	99
68) o-Xylene	11.95	106	149434	20.714	ug/l	97
69) Styrene	11.96	104	222381	19.851	ug/l	99
70) Isopropylbenzene	12.25	105	392525	20.350	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	96601	21.897	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	78228m	21.472	ug/l	
73) Bromobenzene	12.53	156	91531	20.077	ug/l	98
74) n-propylbenzene	12.59	91	425547	19.707	ug/l	99
75) 2-Chlorotoluene	12.67	91	266009	20.425	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	318315	20.413	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18123	19.734	ug/l	94
78) 4-Chlorotoluene	12.77	91	246193	19.840	ug/l	100
79) tert-butylbenzene	12.99	119	282923	20.968	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	309839	20.226	ug/l	99
81) sec-Butylbenzene	13.17	105	364562	20.221	ug/l	100
82) p-Isopropyltoluene	13.29	119	296826	19.508	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	151606	19.877	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	141194	19.481	ug/l	99
85) n-Butylbenzene	13.61	91	218899	18.060	ug/l	98
86) Hexachloroethane	13.87	117	46187	18.962	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	157610	21.101	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12683	21.631	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	58591	17.546	ug/l	97
90) Hexachlorobutadiene	15.01	225	48574	19.951	ug/l	97
91) Naphthalene	15.13	128	127484	18.232	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62530	18.723	ug/l	99

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QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

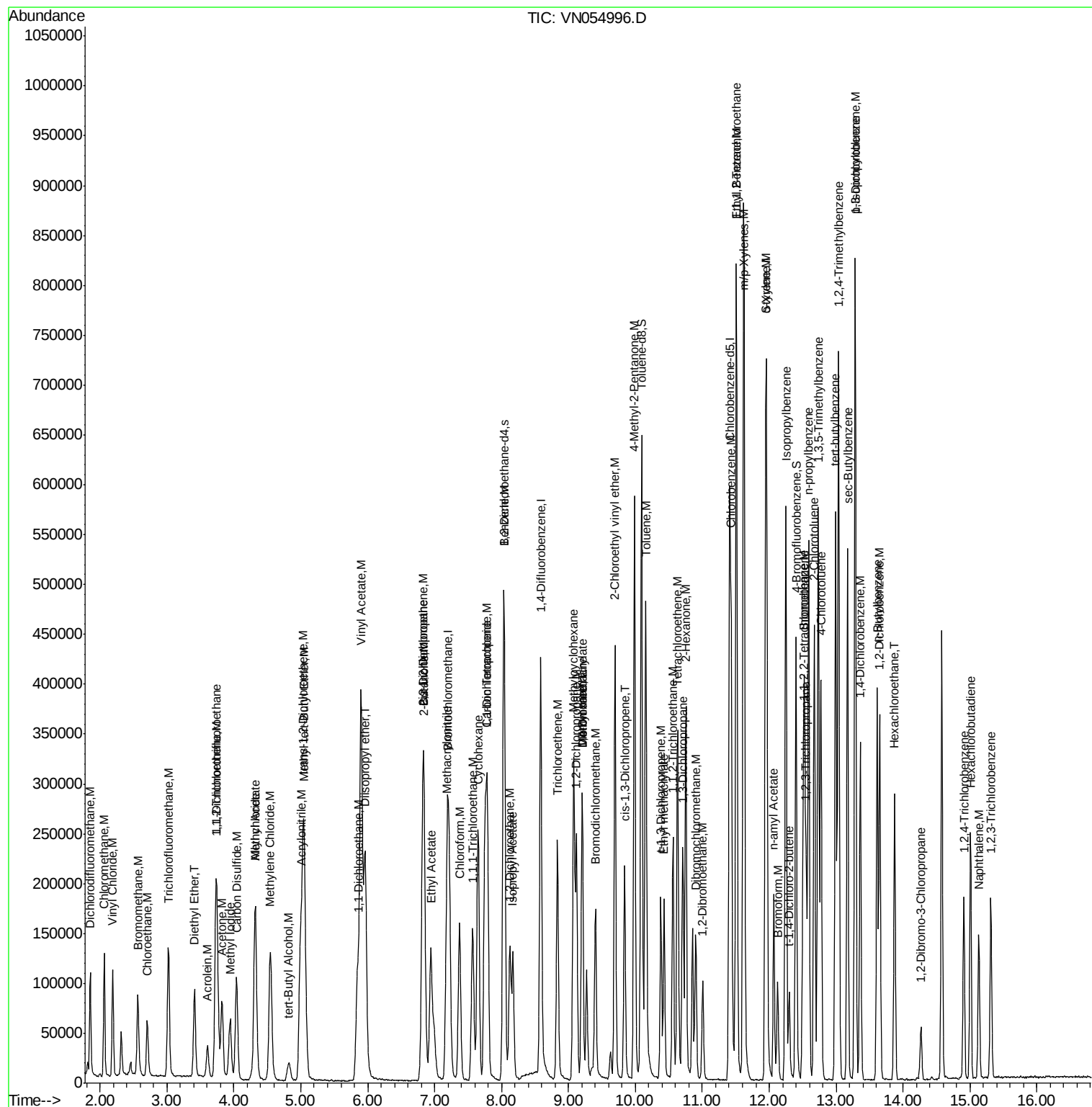
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
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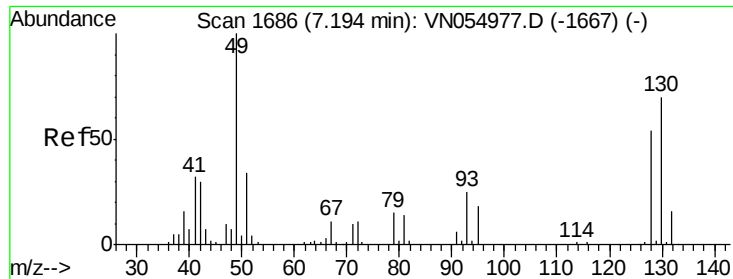
Instrument :
 MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

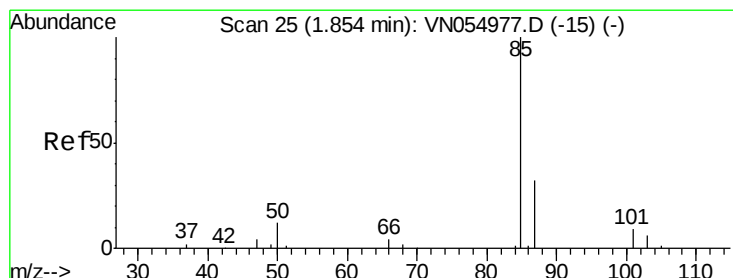
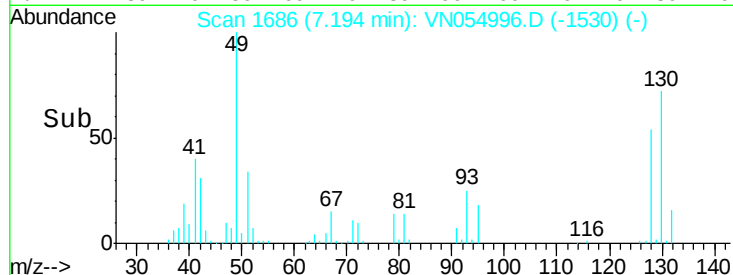
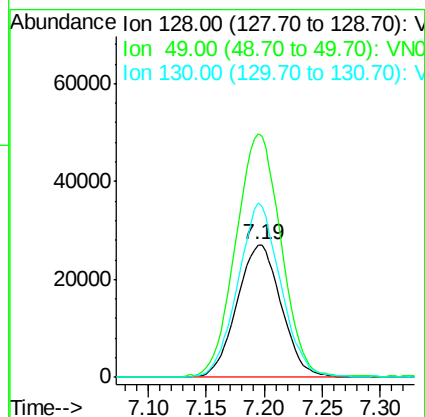
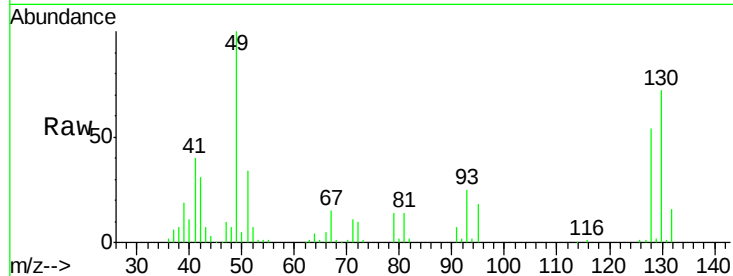
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	72062
Ion	Ratio	Lower	Upper
128	100		
49	186.5	0.0	480.3
130	126.9	0.0	322.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.781 ug/l

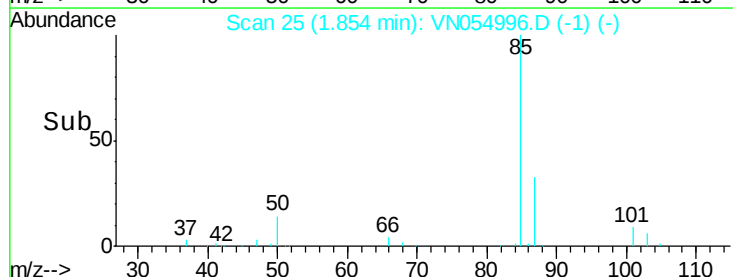
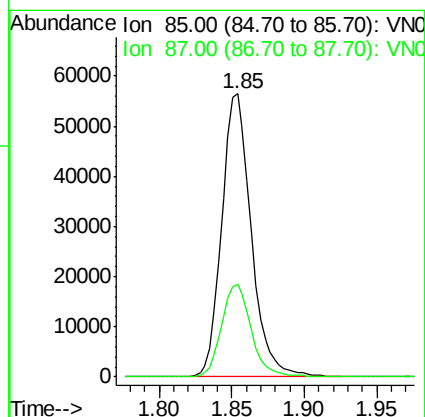
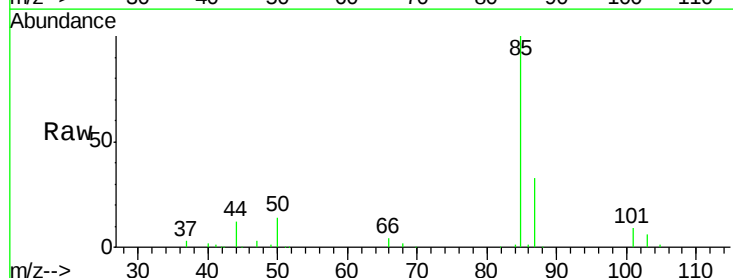
RT: 1.85 min Scan# 25

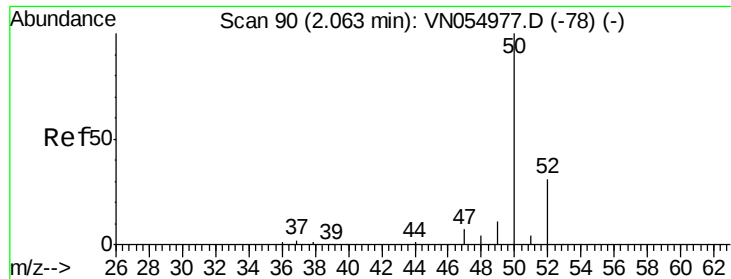
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	85	Resp:	79600
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.1	48.3





#3

Chloromethane

Concen: 19.377 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 110940

Ion Ratio Lower Upper

50 100

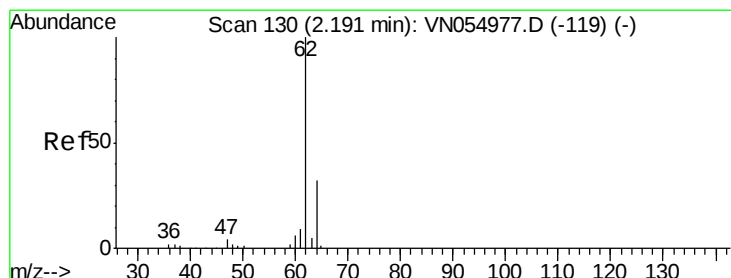
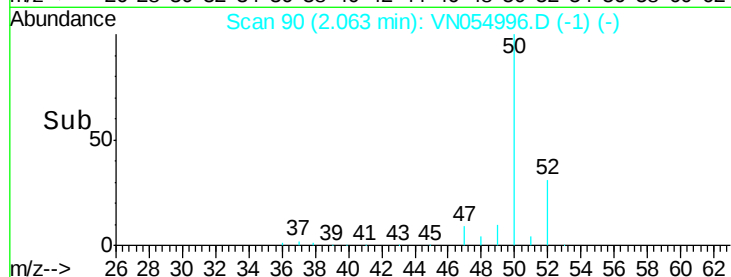
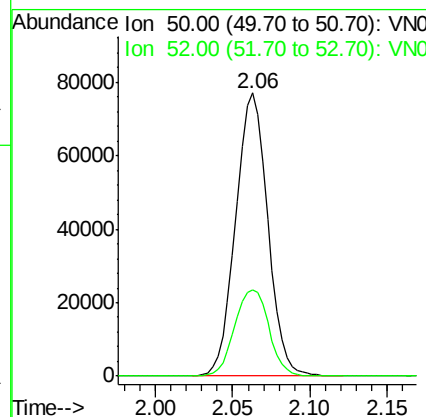
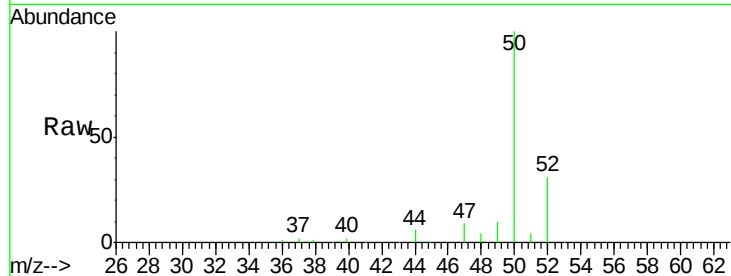
52 30.7 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.861 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054996.D

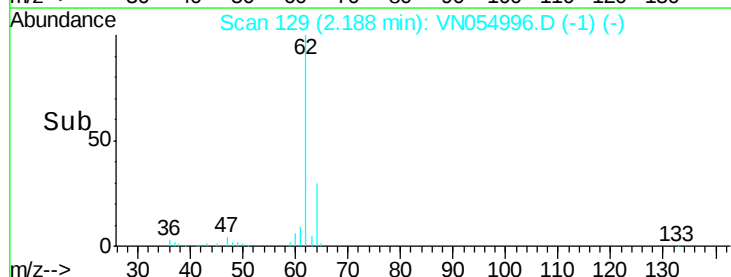
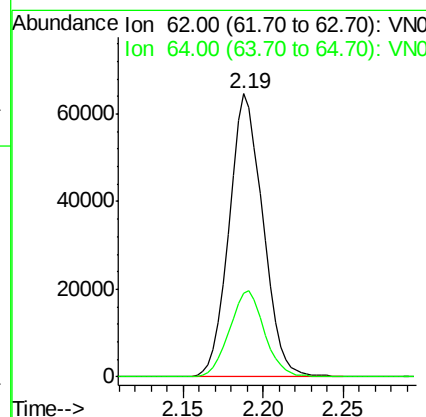
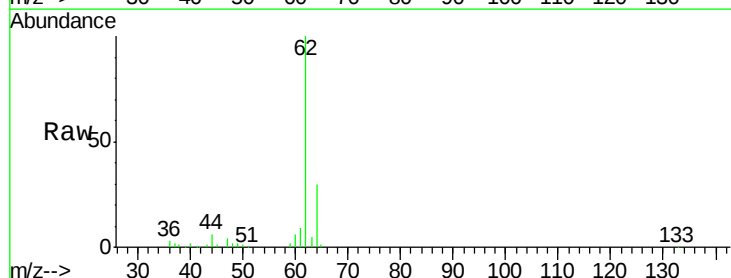
Acq: 12 Apr 2019 13:28

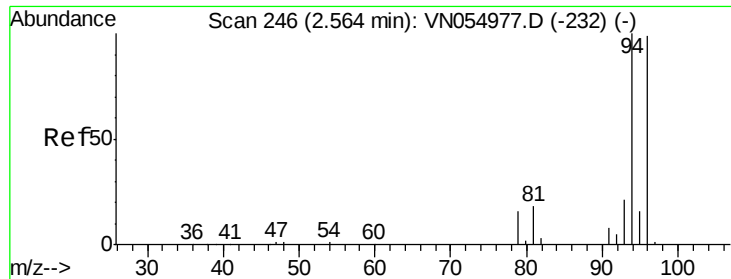
Tgt Ion: 62 Resp: 93382

Ion Ratio Lower Upper

62 100

64 29.5 25.6 38.4





#5

Bromomethane

Concen: 19.982 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 57223

Ion Ratio Lower Upper

94 100

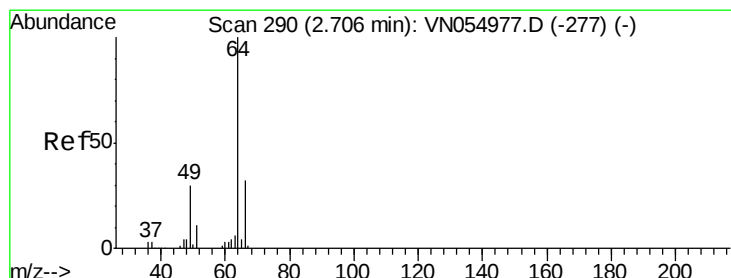
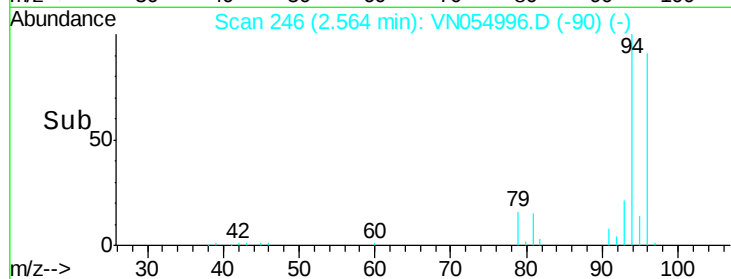
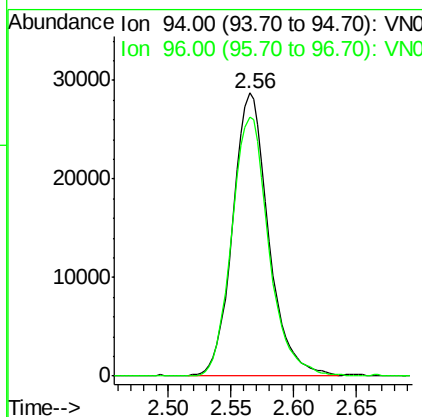
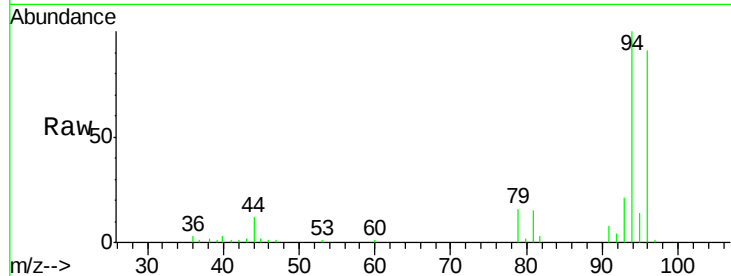
96 91.4 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 18.719 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054996.D

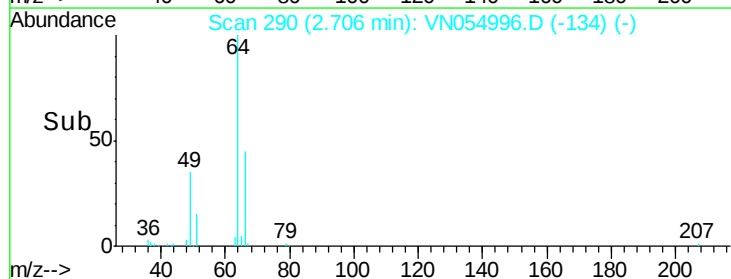
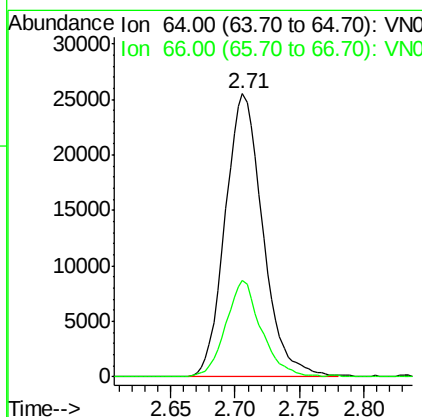
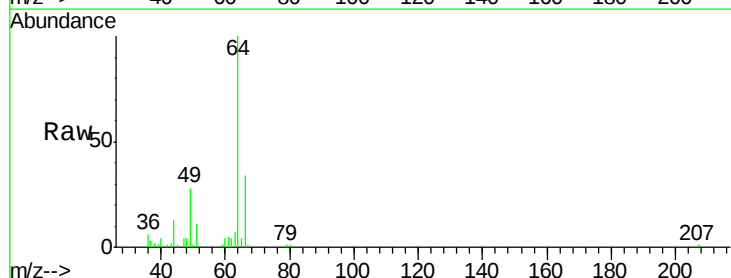
Acq: 12 Apr 2019 13:28

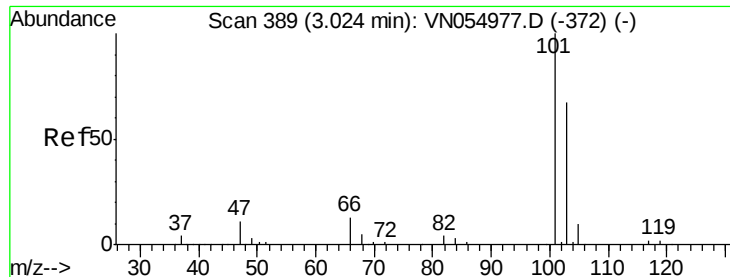
Tgt Ion: 64 Resp: 51904

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5





#7

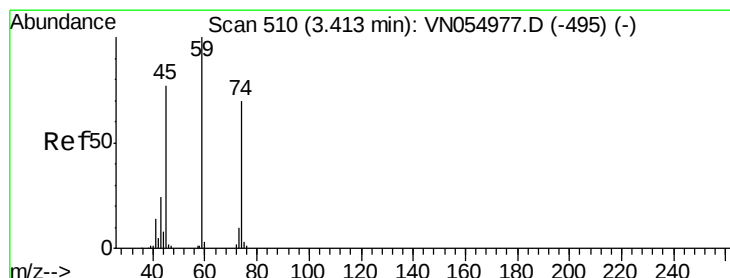
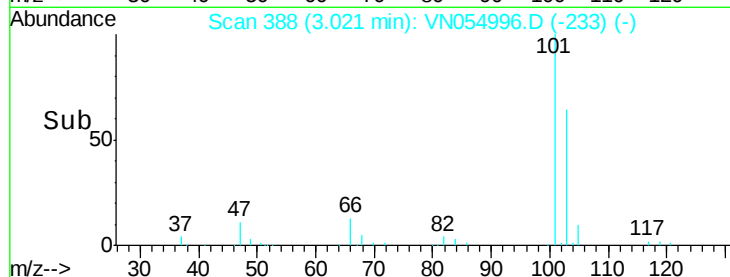
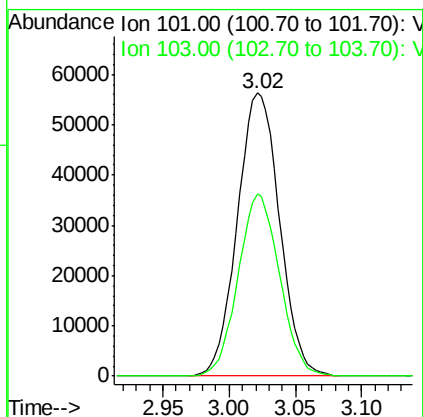
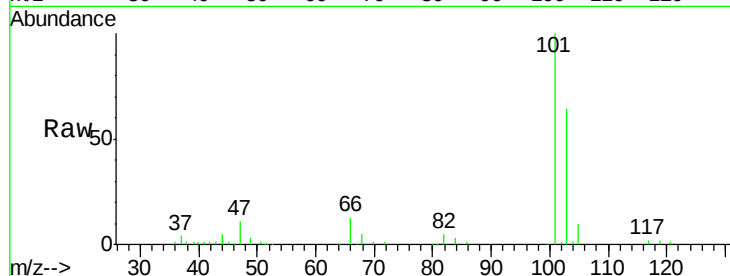
Trichlorofluoromethane
Concen: 19.732 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054996.D
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Tot Ion:101 Resp: 124836
Ion Ratio Lower Upper
101 100
103 64.3 53.4 80.0

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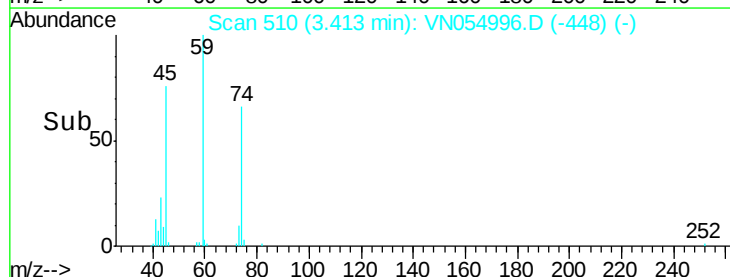
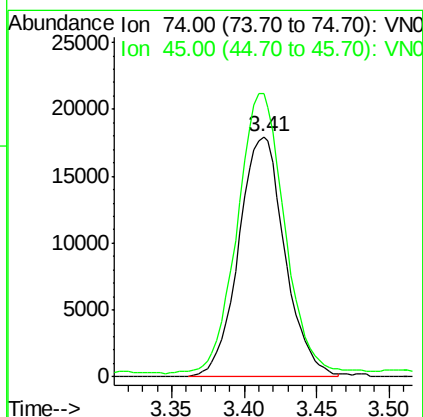
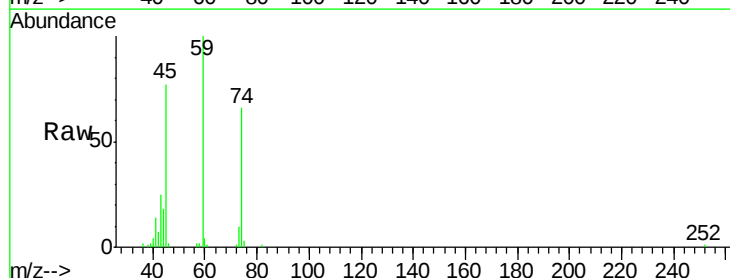
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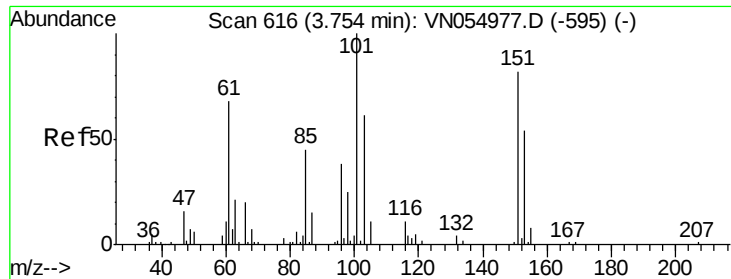


#8

Diethyl Ether
Concen: 19.585 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion: 74 Resp: 39784
Ion Ratio Lower Upper
74 100
45 118.8 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.430 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

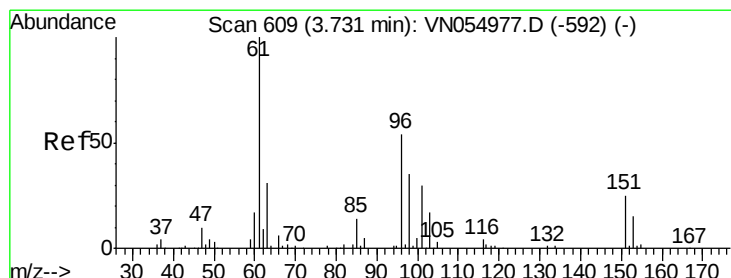
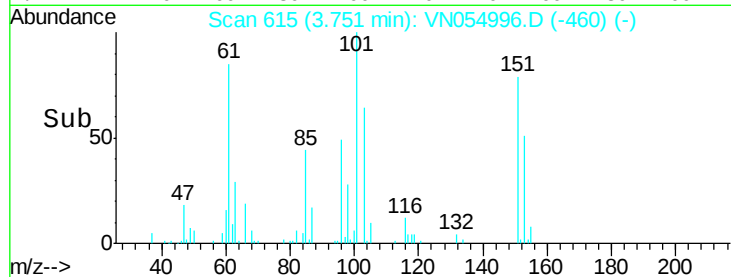
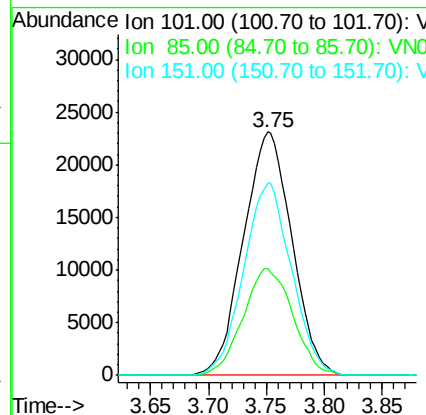
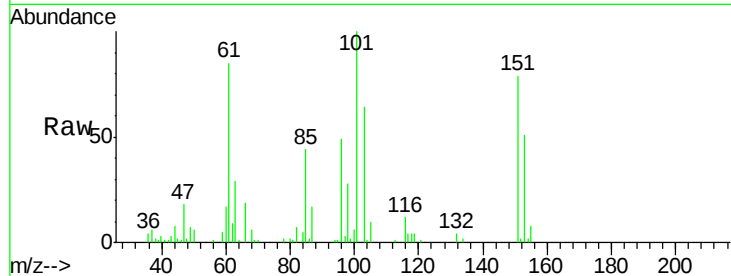
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	67198
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	91.4
151	78.0	0.0	165.6

Manual Integrations
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MMDadoda
4/17/2019 9:37:03 AM



#10

1,1-Dichloroethene

Concen: 18.778 ug/l

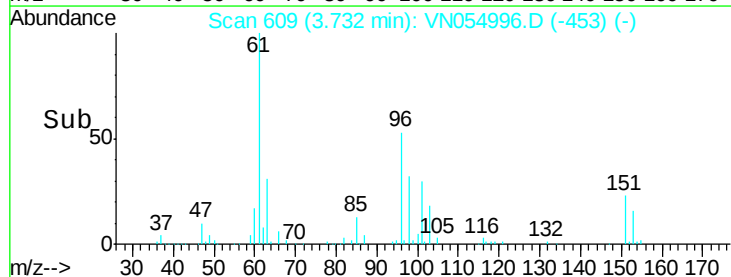
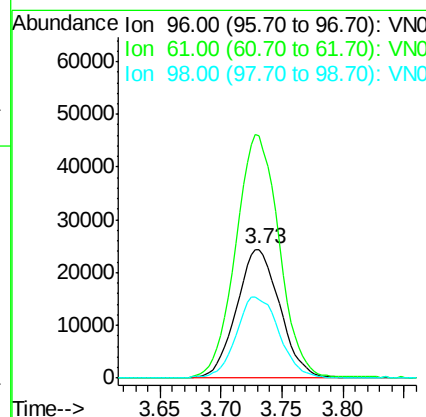
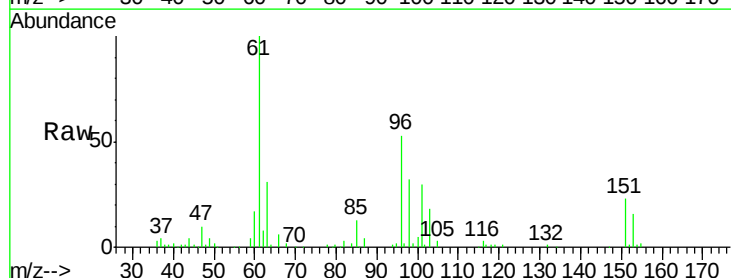
RT: 3.73 min Scan# 609

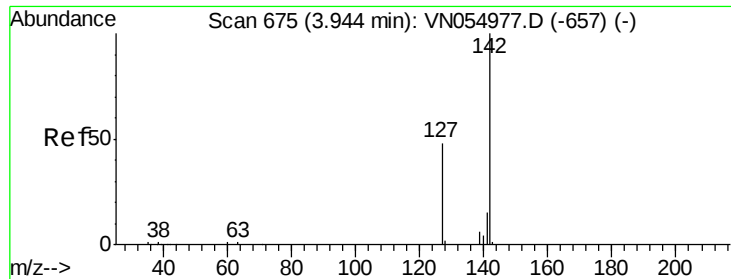
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	96	Resp:	60041
Ion Ratio	Lower	Upper	
96	100		
61	186.7	148.4	222.6
98	60.8	52.2	78.2





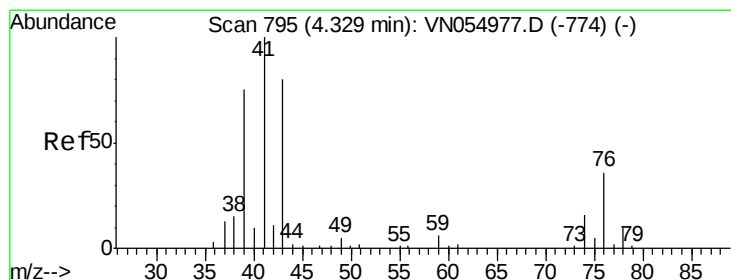
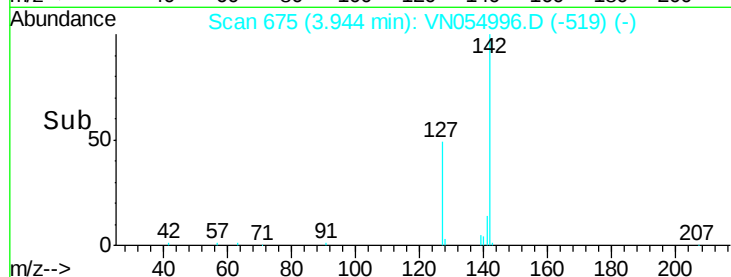
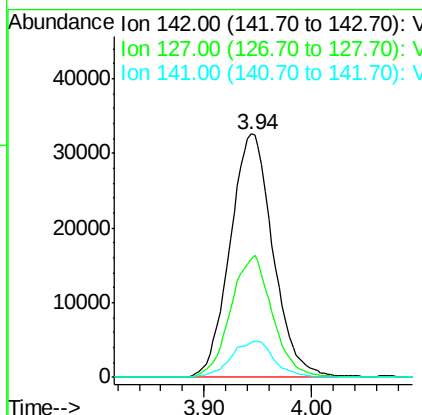
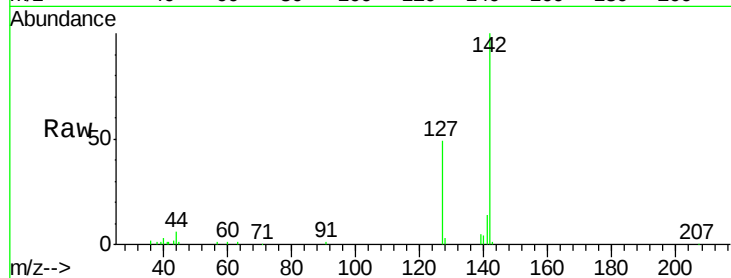
#11
Methyl Iodide
Concen: 18.641 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.8	23.8	71.5
141	14.4	7.3	22.0

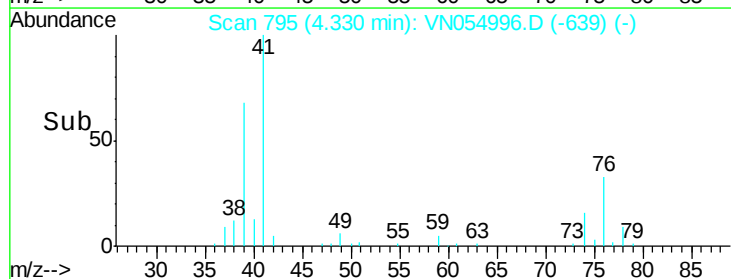
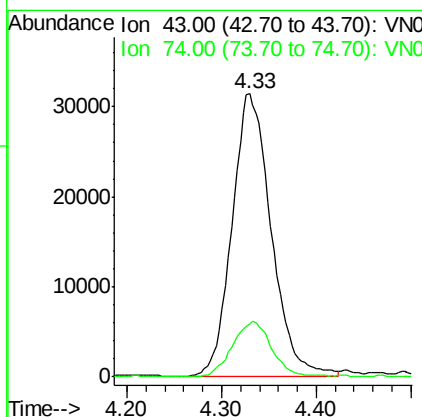
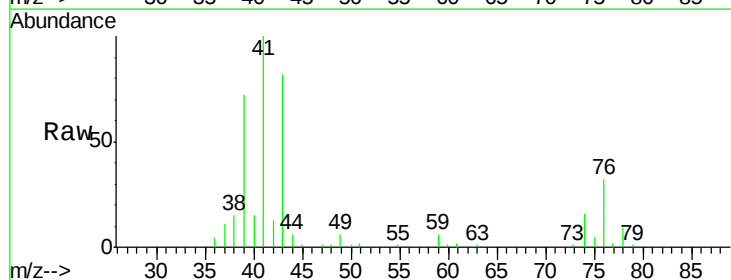
Manual Integrations
APPROVED

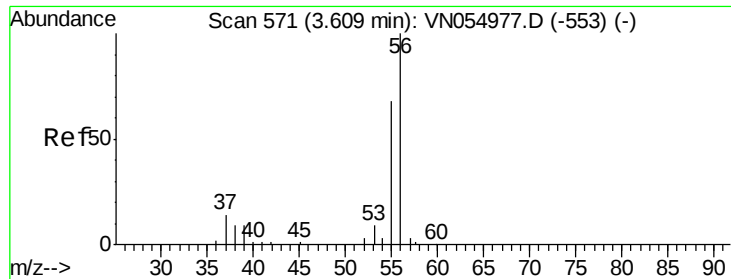
MMDadoda
4/17/2019 9:37:03 AM



#12
Methyl Acetate
Concen: 23.111 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	16.2	24.4





#13

Acrolein

Concen: 93.363 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 32181

Ion Ratio Lower Upper

56 100

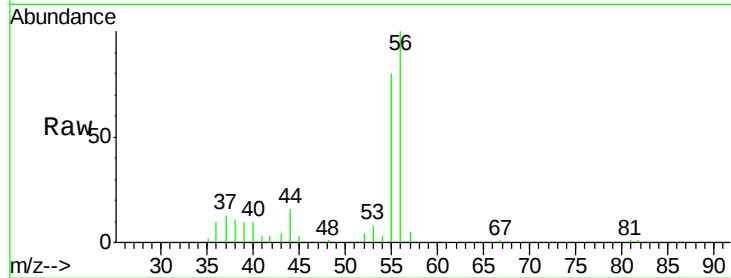
55 73.3 57.0 85.4

Manual Integrations

APPROVED

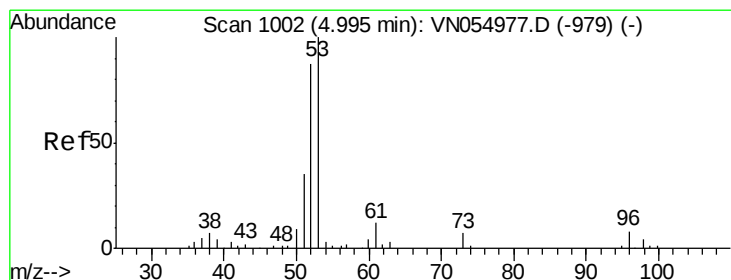
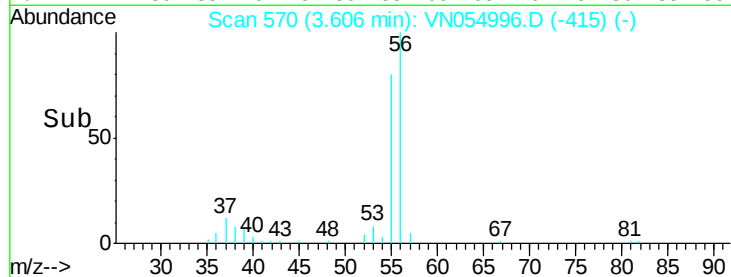
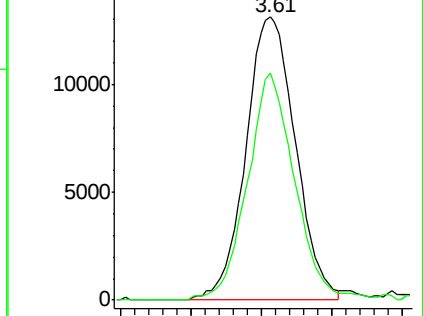
MMDadoda

4/17/2019 9:37:03 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.906 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

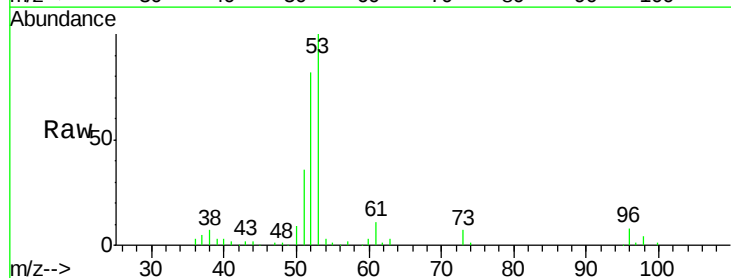
Tgt Ion: 53 Resp: 167424

Ion Ratio Lower Upper

53 100

52 83.4 42.3 126.8

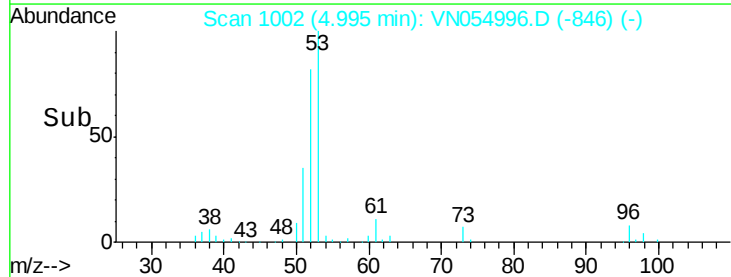
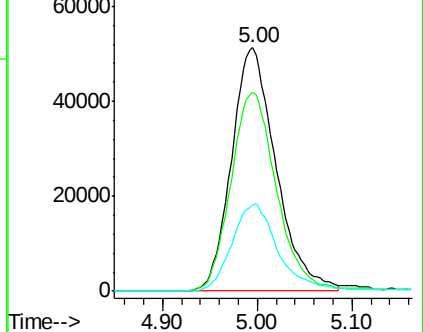
51 37.2 18.6 56.0

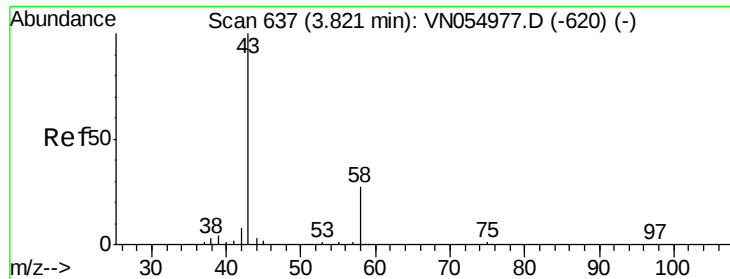


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.620 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tot Ion: 58 Resp: 34936

Ion Ratio Lower Upper

58 100

43 371.1 297.2 445.8

Instrument :

MSVOA_N

ClientSampleId :

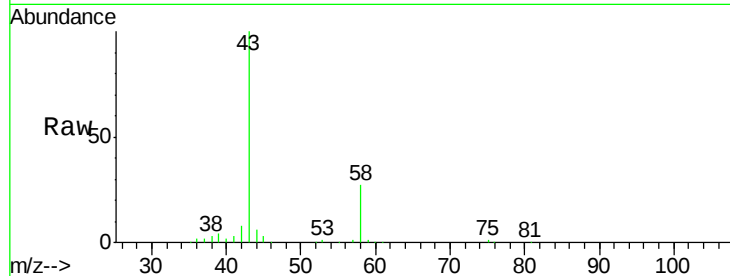
VSTDCCC020EC

Manual Integrations

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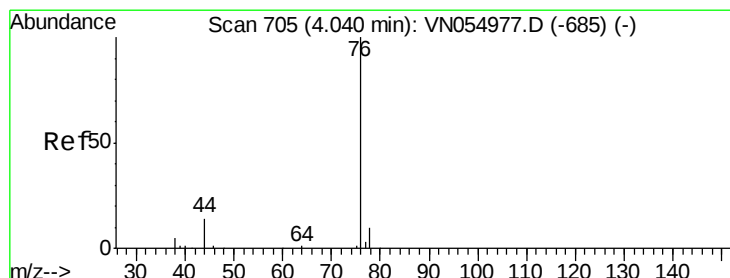
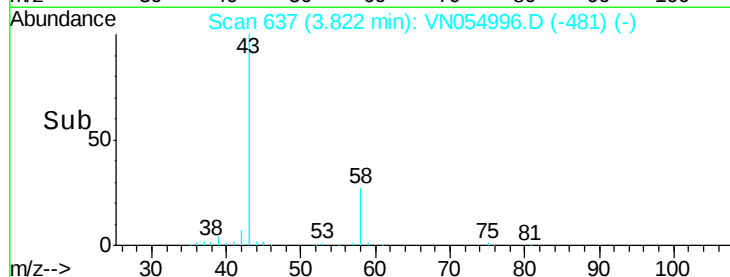
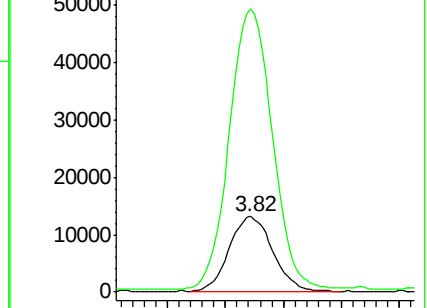
MMDadoda

4/17/2019 9:37:03 AM



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.245 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054996.D

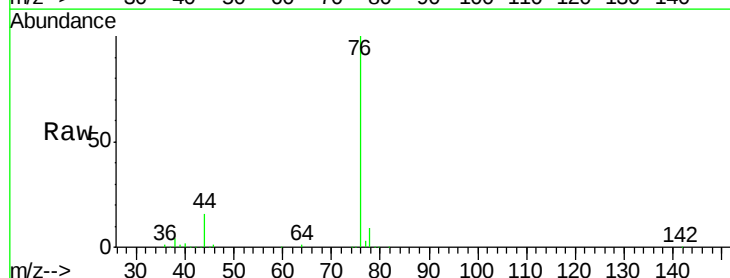
Acq: 12 Apr 2019 13:28

Tgt Ion: 76 Resp: 195686

Ion Ratio Lower Upper

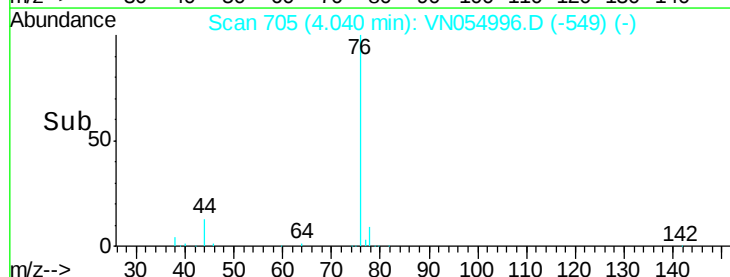
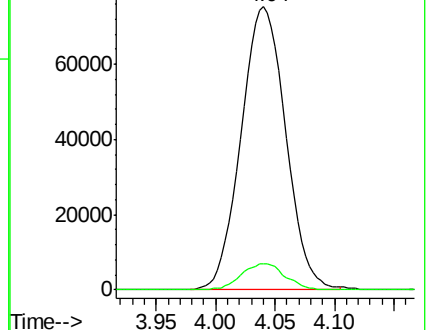
76 100

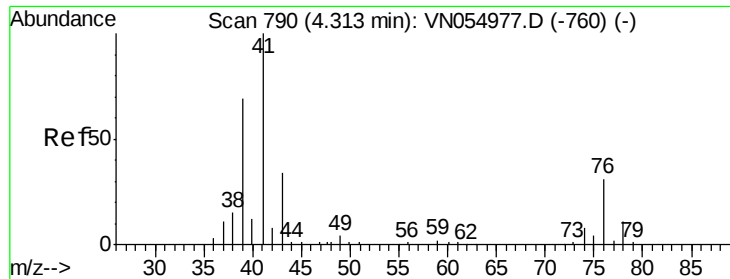
78 9.2 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)





#17

Allvl chloride

Concen: 19.520 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

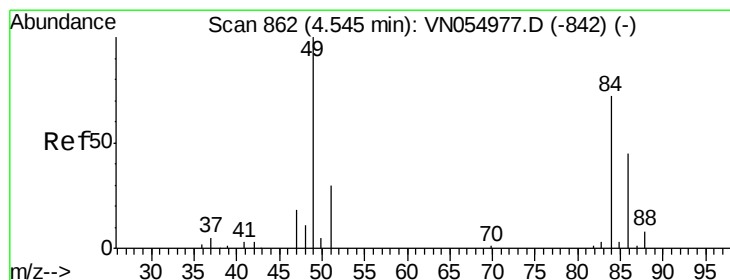
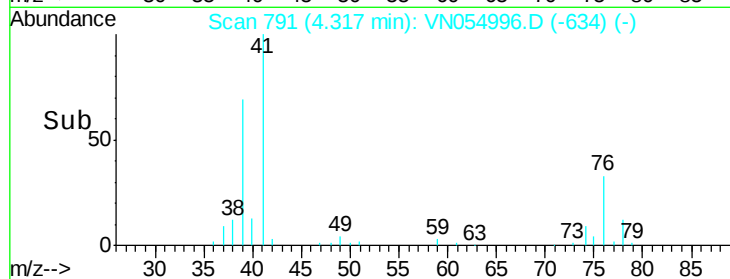
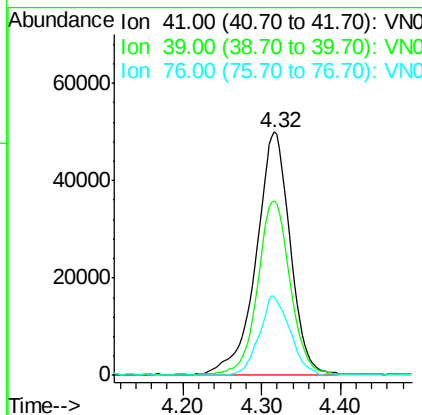
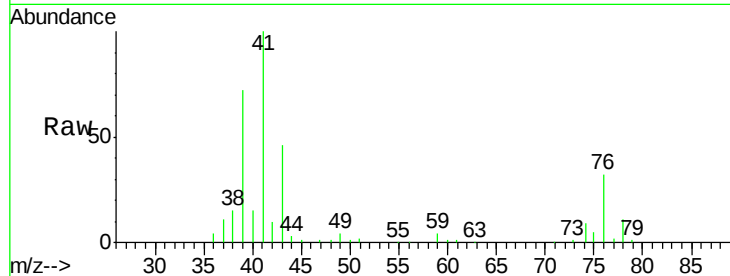
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	153706
Ion Ratio	Lower	Upper	
41	100		
39	71.5	34.3	102.9
76	32.3	15.8	47.3

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:37:03 AM



#18

Methylene Chloride

Concen: 19.787 ug/l

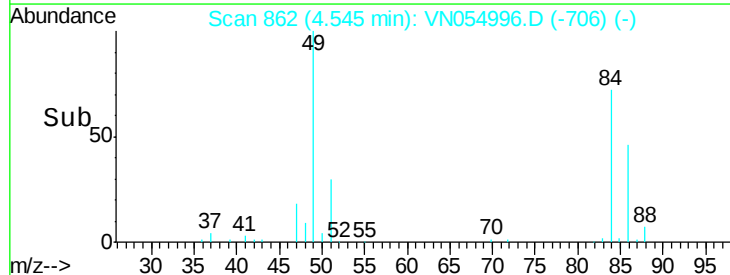
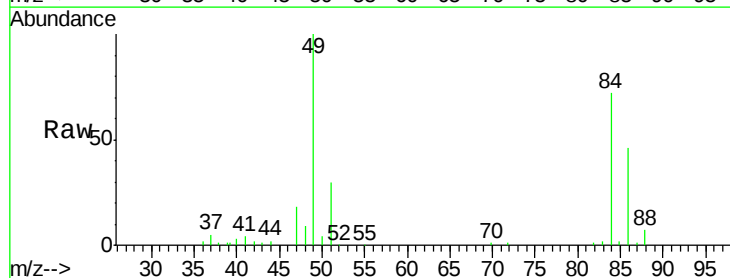
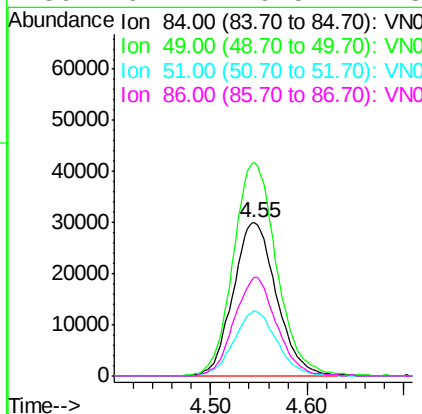
RT: 4.55 min Scan# 862

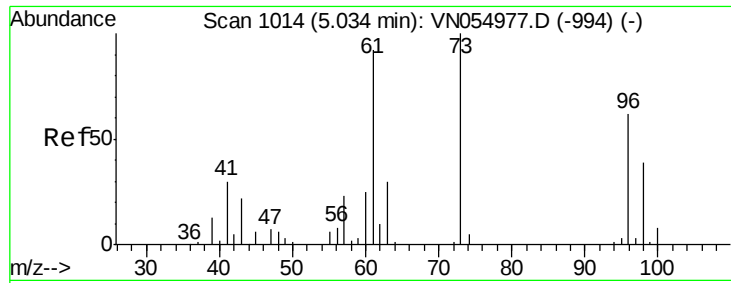
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	84	Resp:	93523
Ion Ratio	Lower	Upper	
84	100		
49	138.8	111.0	166.4
51	42.3	33.4	50.2
86	64.1	49.5	74.3





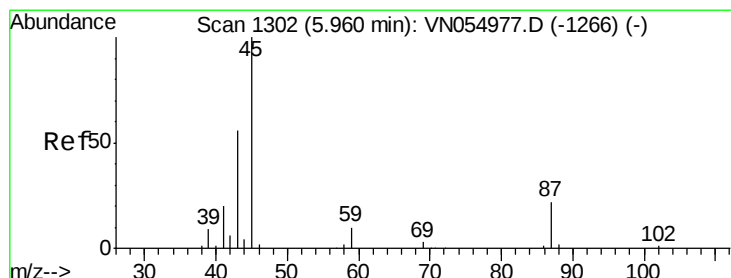
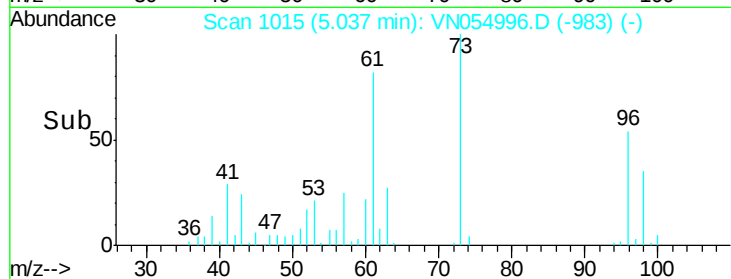
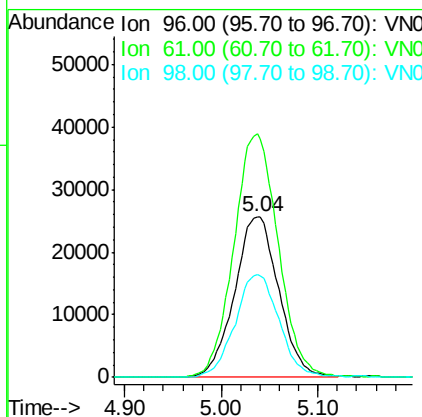
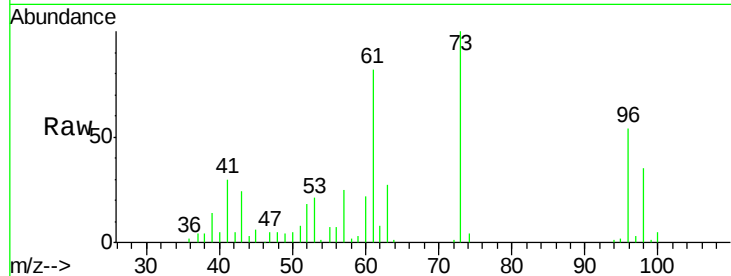
#19
trans-1,2-Dichloroethene
Concen: 19.602 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	150.9	117.2	175.8	
98	64.1	49.4	74.2	

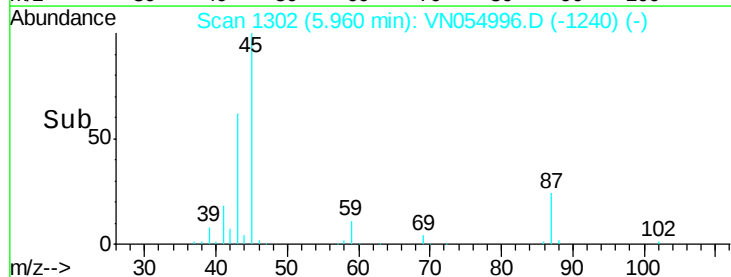
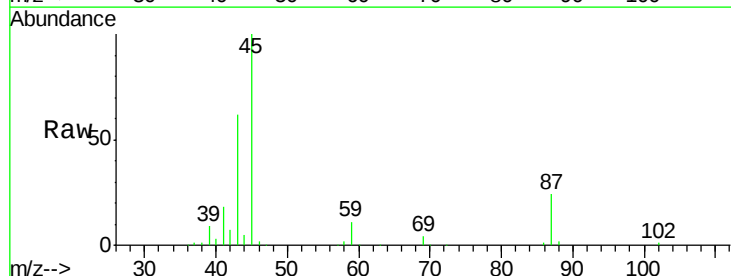
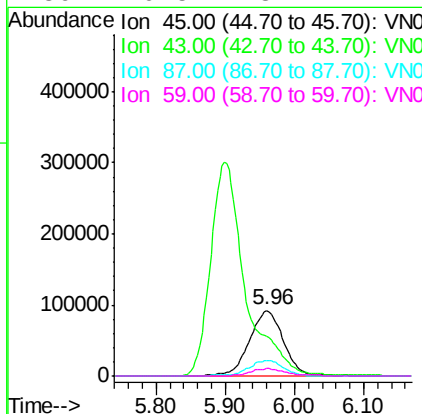
Manual Integrations
APPROVED

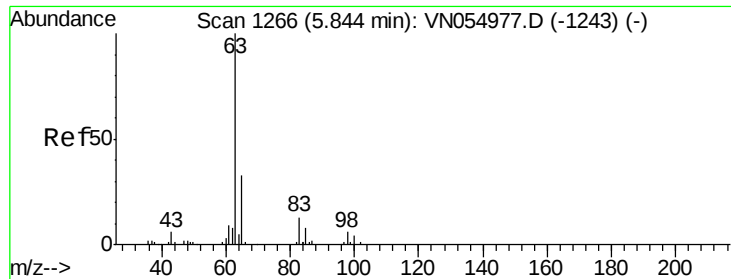
MMDadoda
4/17/2019 9:37:03 AM



#20
Diisopropyl ether
Concen: 19.697 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	59.8	45.8	68.8	
87	23.2	18.2	27.4	
59	10.5	8.2	12.2	





#21

1,1-Dichloroethane

Concen: 19.760 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

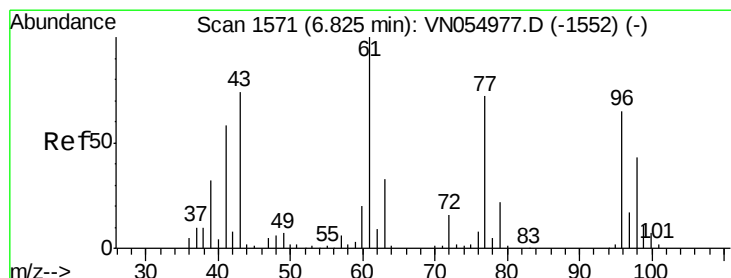
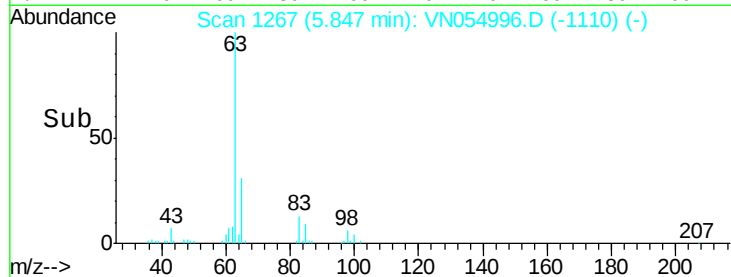
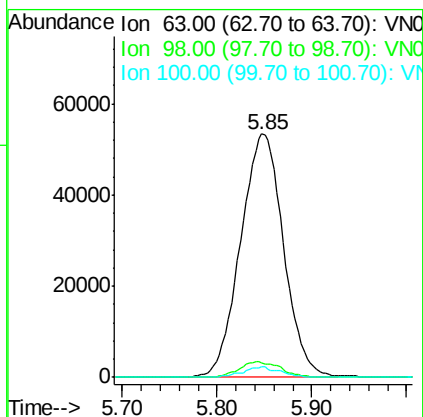
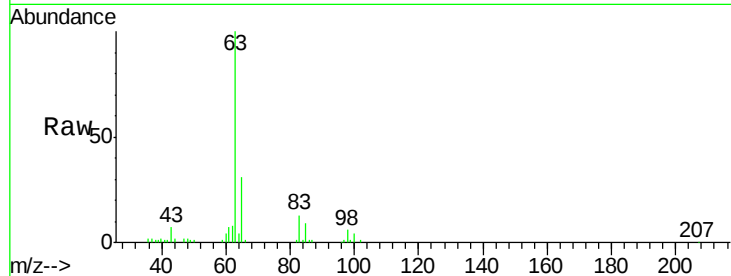
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	168357
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.9	8.7
100	4.2	2.0	5.8

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:37:03 AM



#22

cis-1,2-Dichloroethene

Concen: 19.337 ug/l

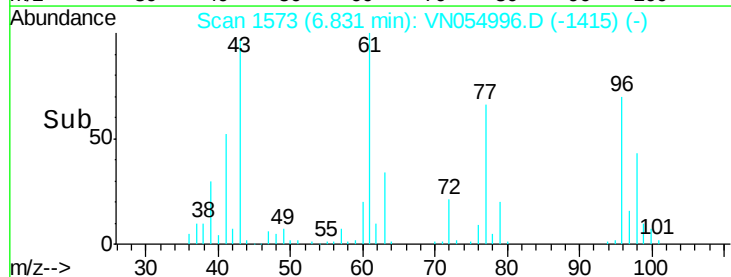
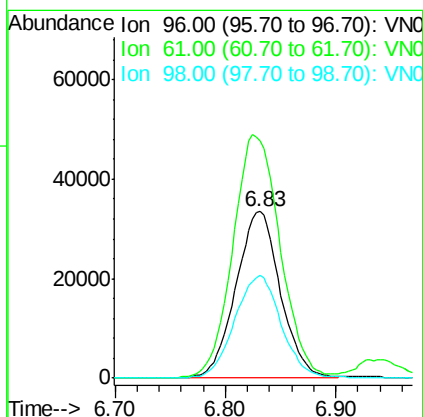
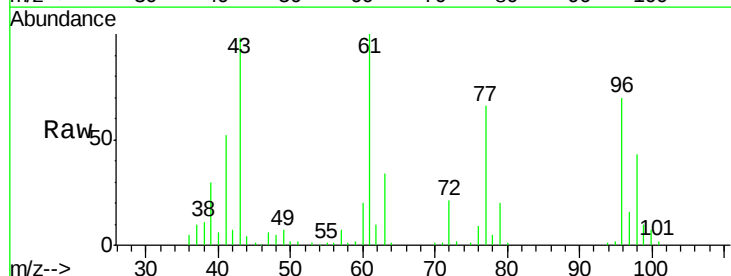
RT: 6.83 min Scan# 1573

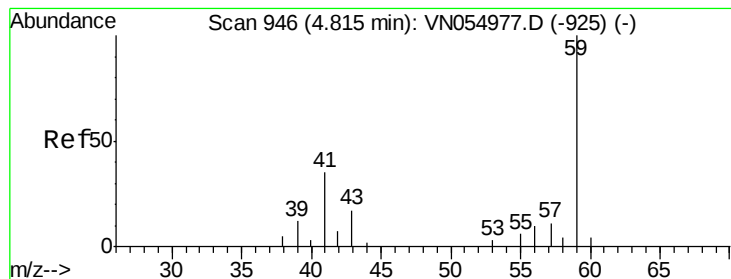
Delta R.T. 0.01 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	96	Resp:	93555
Ion Ratio	Lower	Upper	
96	100		
61	155.2	125.0	187.6
98	64.2	52.2	78.2





#23

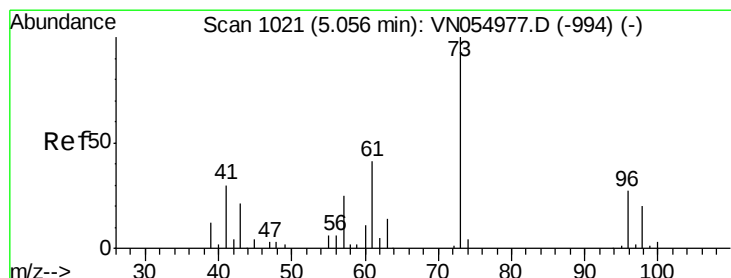
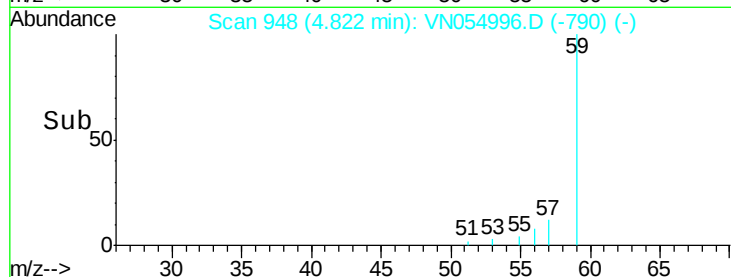
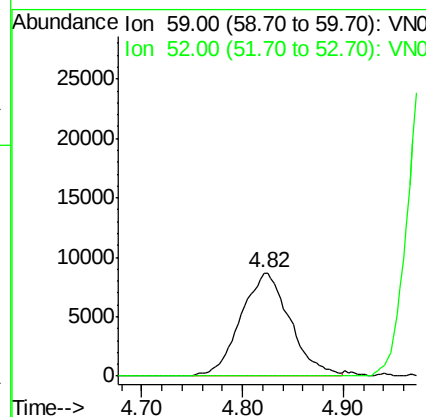
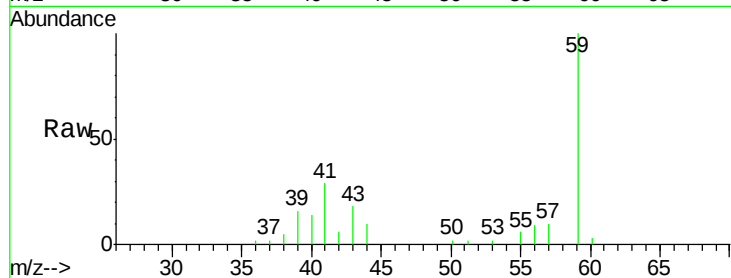
tert-Butyl Alcohol
 Concen: 114.840 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

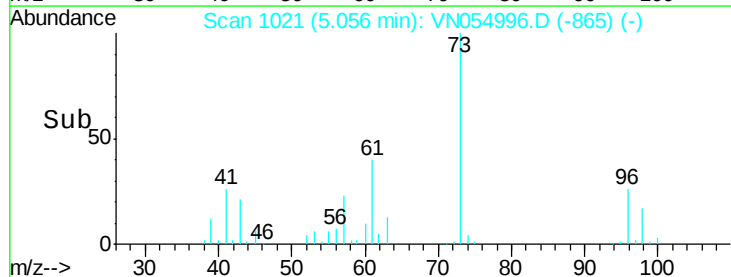
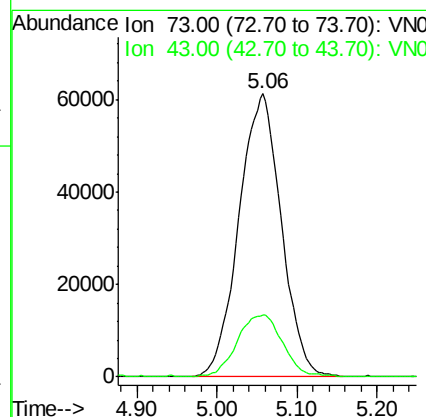
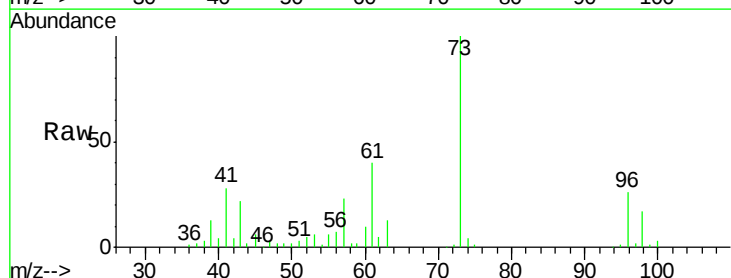
MMDadoda
 4/17/2019 9:37:03 AM

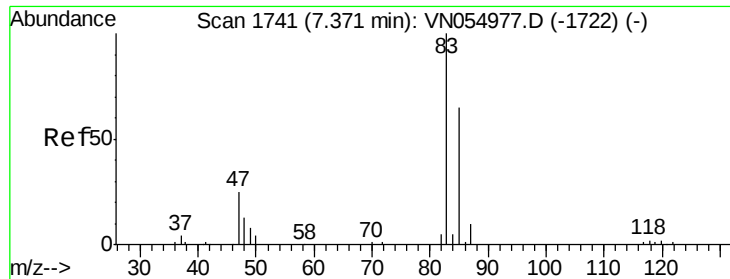


#24

Methyl tert-Butyl Ether
 Concen: 20.550 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.8	8.0	12.0





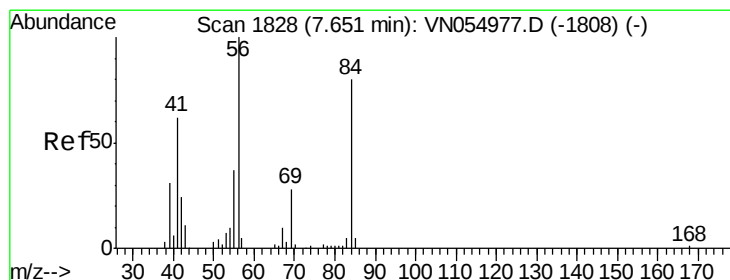
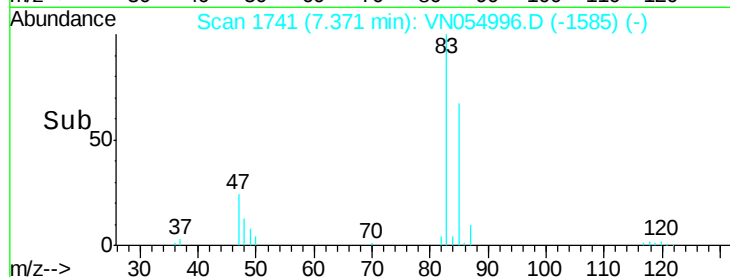
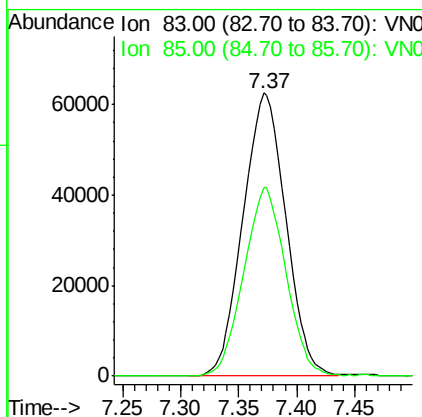
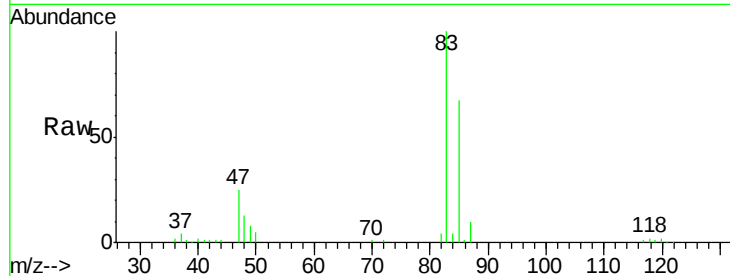
#25
Chloroform
Concen: 19.738 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	161084
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	51.8	77.8

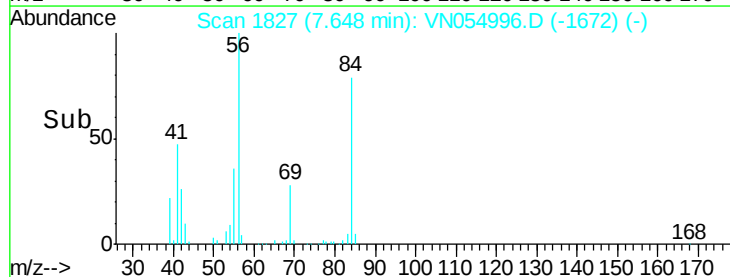
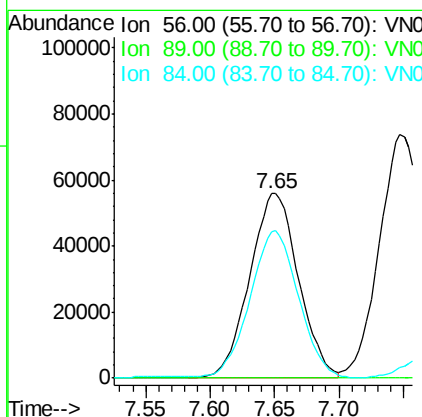
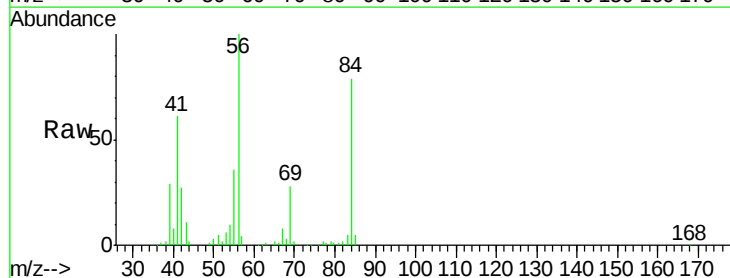
Manual Integrations
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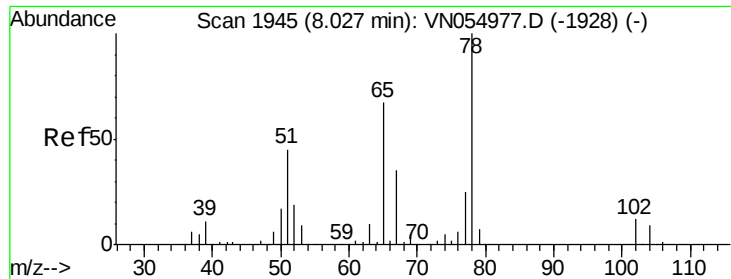
MMDadoda
4/17/2019 9:37:03 AM



#26
Cyclohexane
Concen: 18.651 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	56	Resp	147444
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.7	63.5	95.3





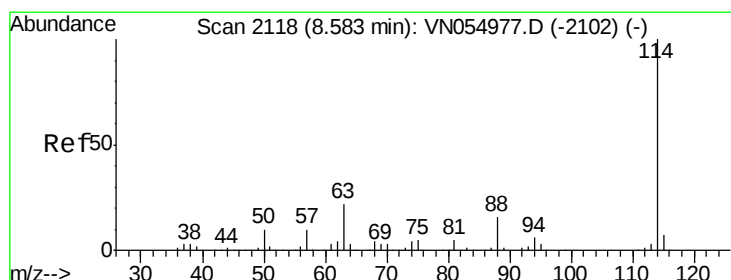
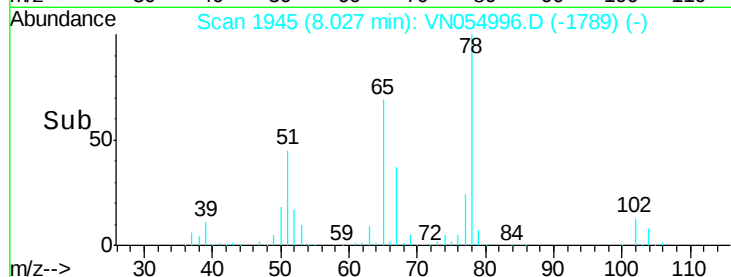
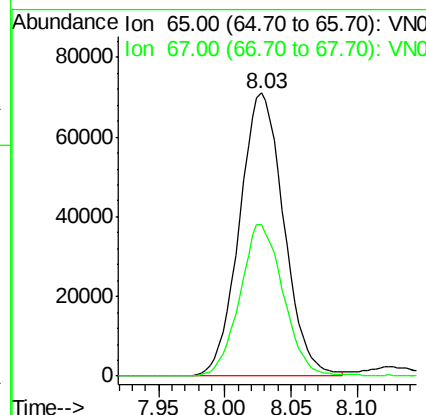
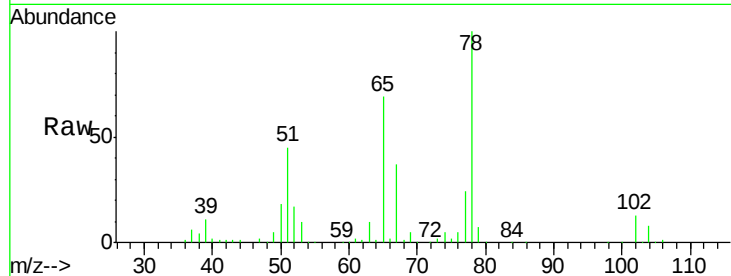
#27
 1,2-Dichloroethane-d4
 Concen: 18.651 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165288		
67	52.3		41.8	62.8

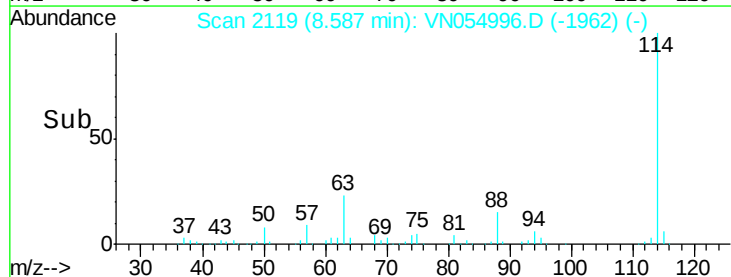
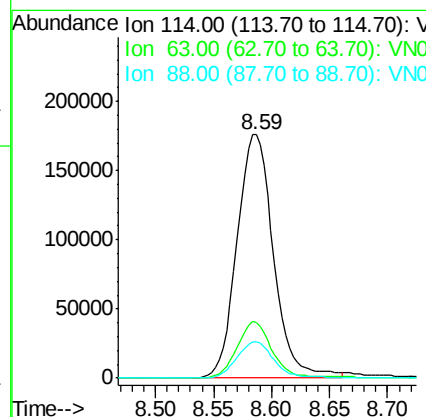
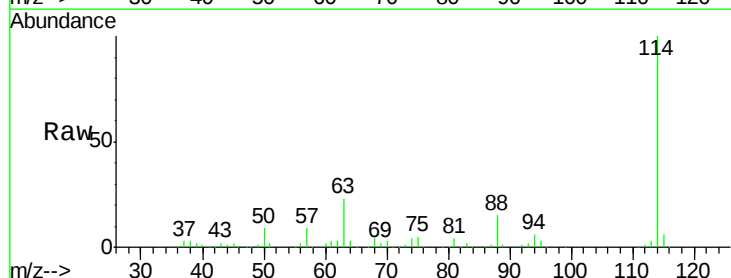
Manual Integrations
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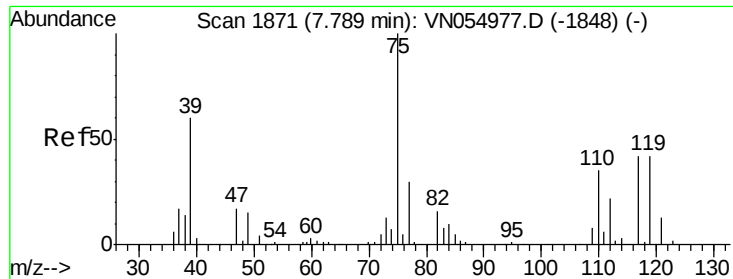
MMDadoda
 4/17/2019 9:37:03 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	385865		
63	22.0		17.0	25.4
88	14.9		12.3	18.5





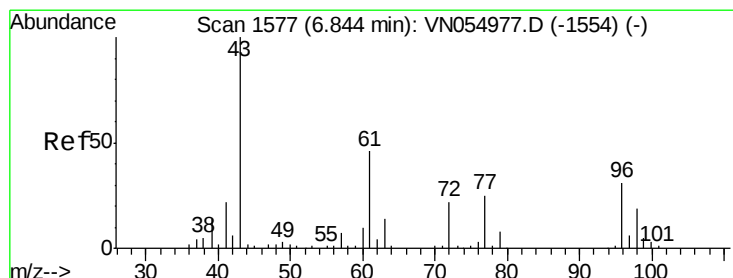
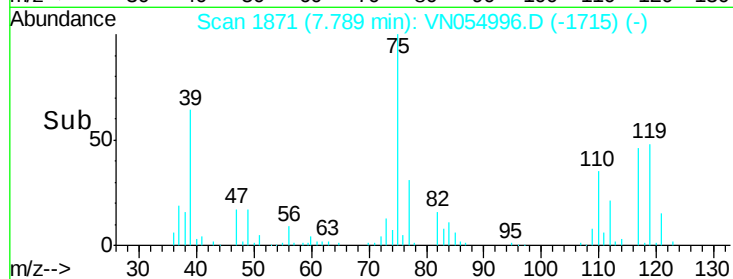
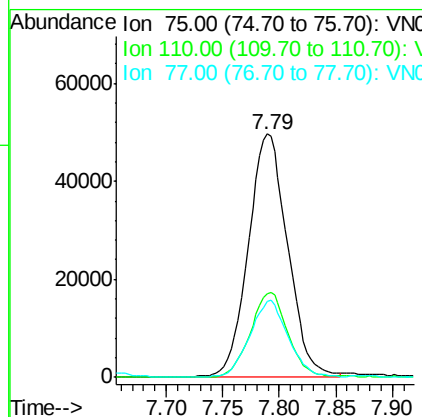
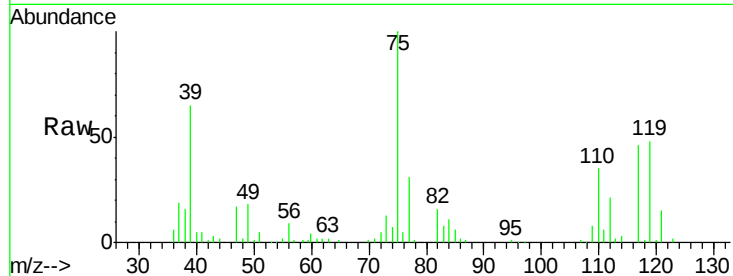
#29
 1,1-Dichloropropene
 Concen: 20.014 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	33.5	0.0	68.4
77	31.0	0.0	58.6

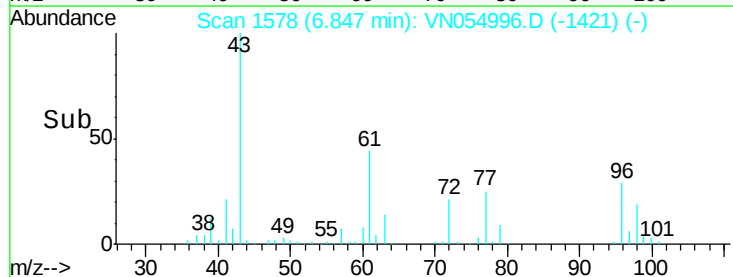
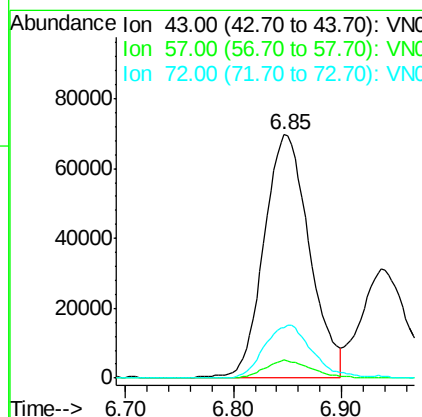
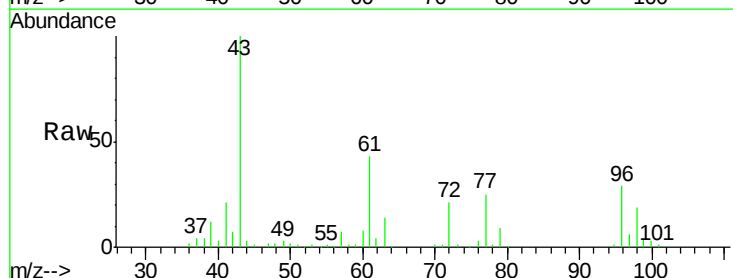
Manual Integrations
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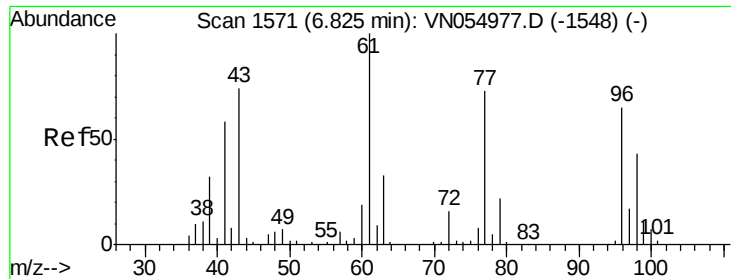
MMDadoda
 4/17/2019 9:37:03 AM



#30
 2-Butanone
 Concen: 101.351 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	7.5	6.0	9.0
72	23.0	18.6	27.8





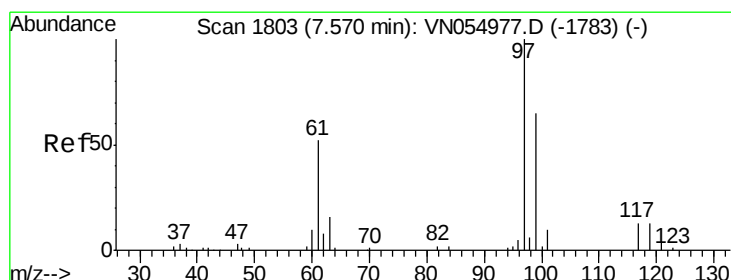
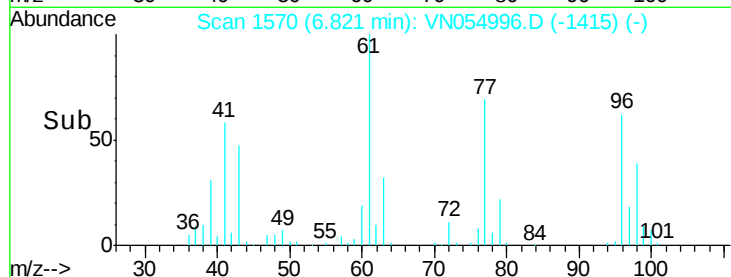
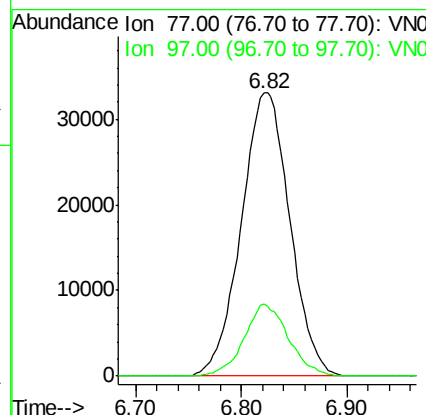
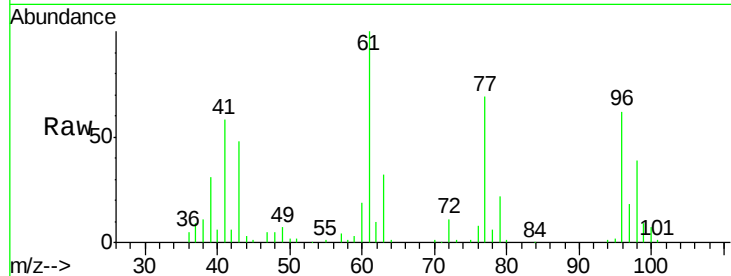
#31
 2,2-Dichloropropane
 Concen: 19.134 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 105832
 Ion Ratio Lower Upper
 77 100
 97 23.3 0.0 0.0#

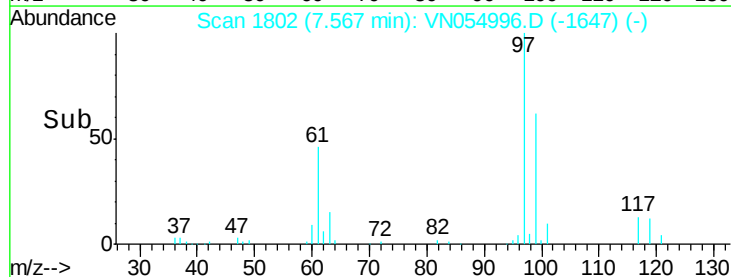
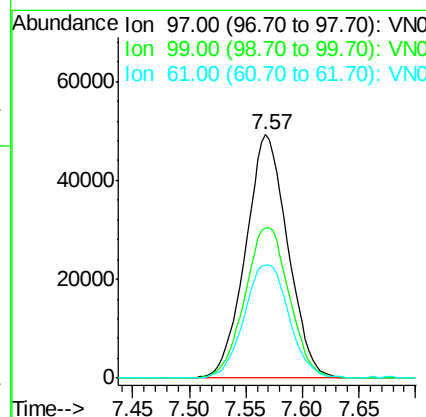
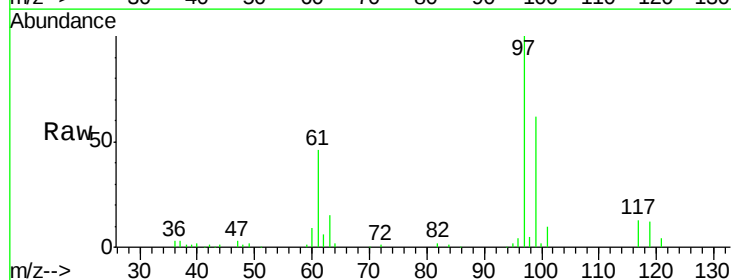
Manual Integrations
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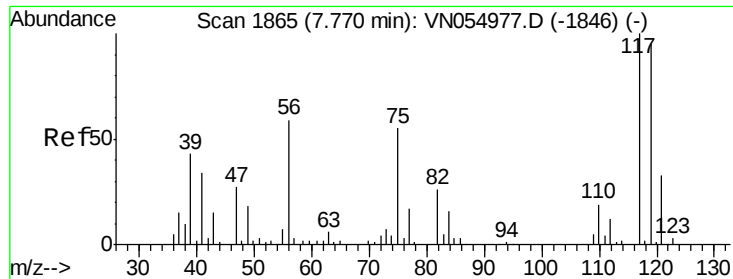
MMDadoda
 4/17/2019 9:37:03 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.086 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion: 97 Resp: 127585
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.2 76.8
 61 49.2 40.6 60.8





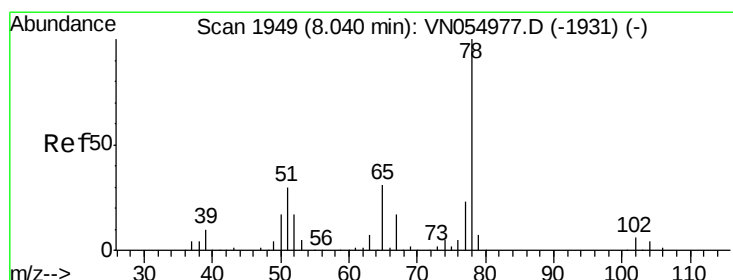
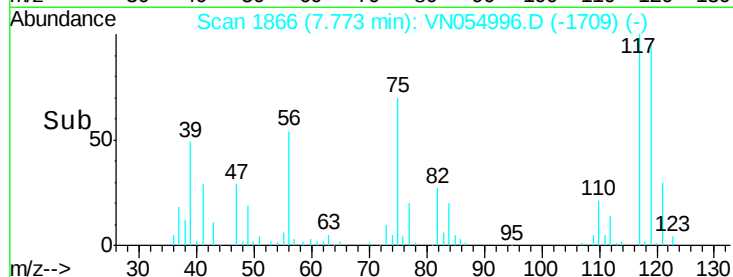
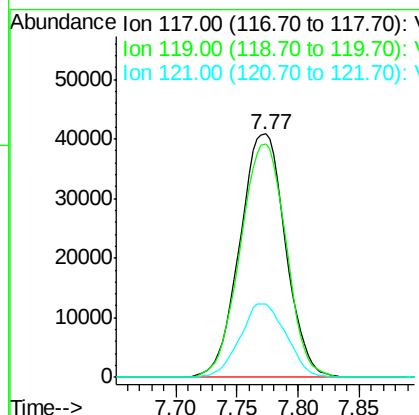
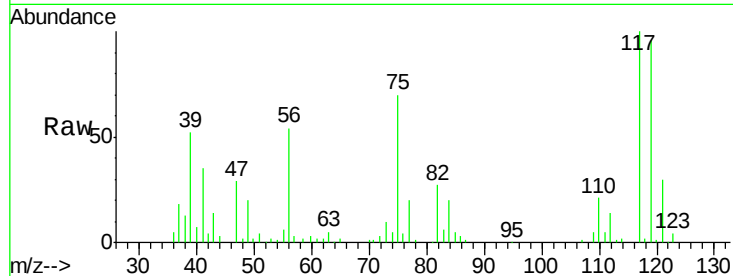
#33
Carbon Tetrachloride
Concen: 19.283 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	29.9	26.2	39.4

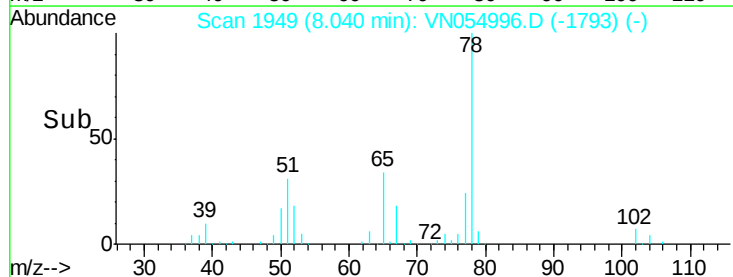
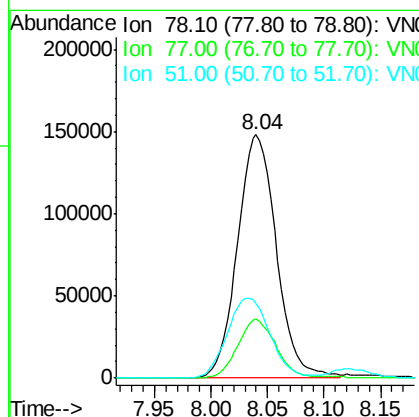
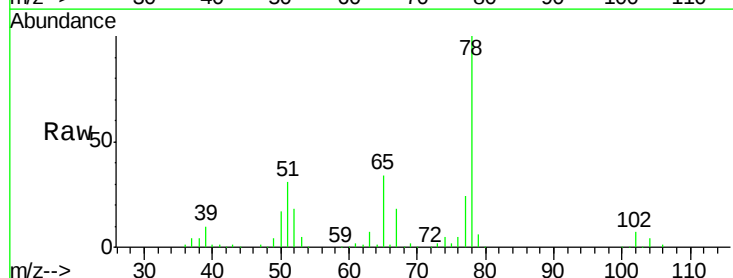
Manual Integrations
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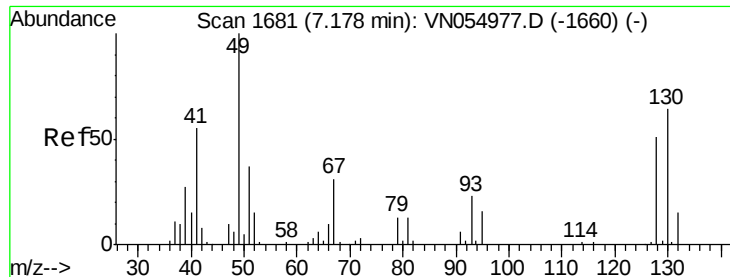
MMDadoda
4/17/2019 9:37:03 AM



#34
Benzene
Concen: 19.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.2	27.4
51	30.5	23.7	35.5





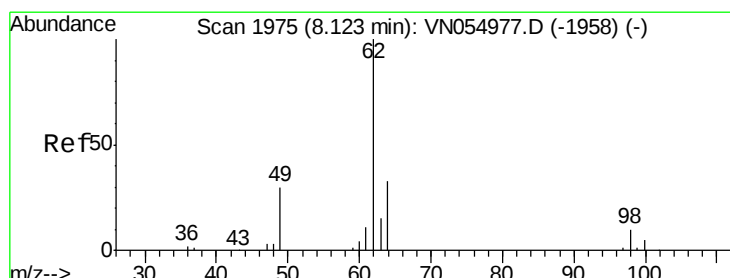
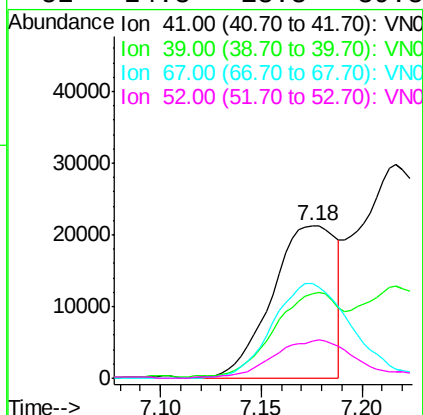
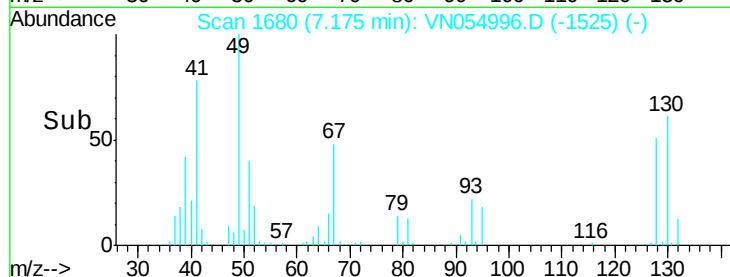
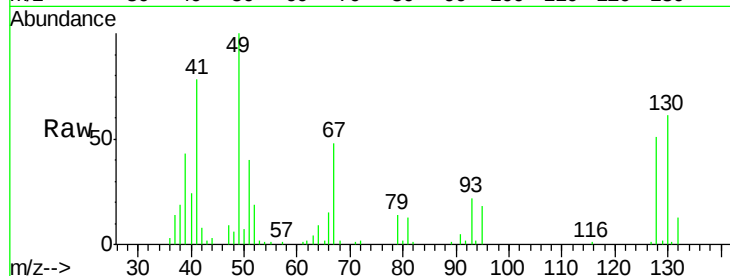
#35
Methacrylonitrile
Concen: 19.914 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	24.2	72.6	
67	61.8	28.1	84.2	
52	24.3	13.3	39.8	

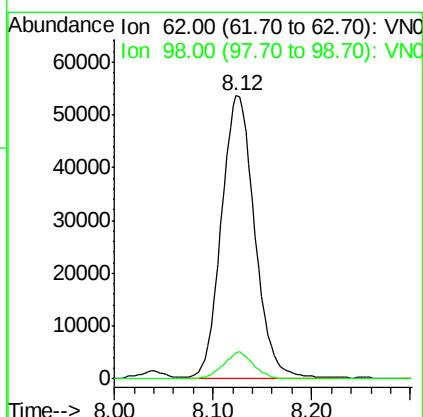
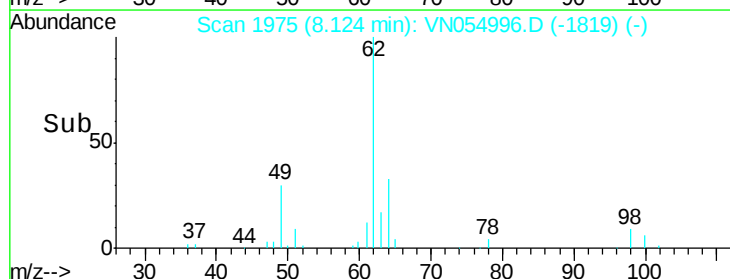
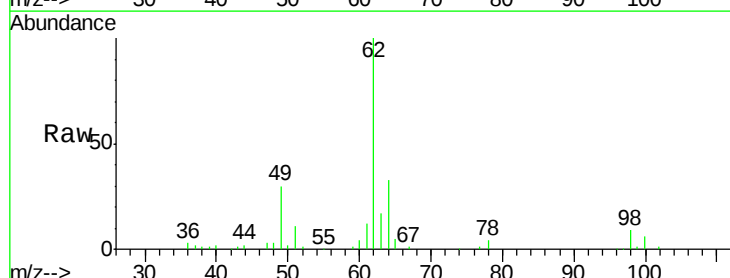
Manual Integrations
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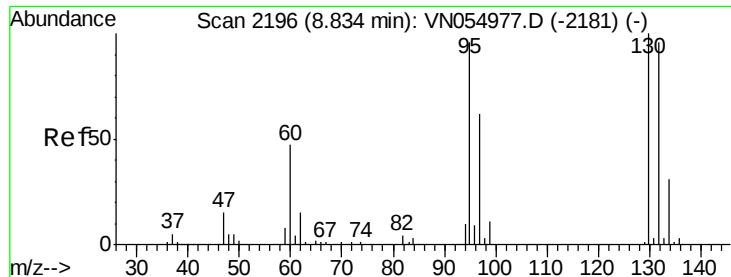
MMDadoda
4/17/2019 9:37:03 AM



#36
1,2-Dichloroethane
Concen: 20.883 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	6.9	10.3	





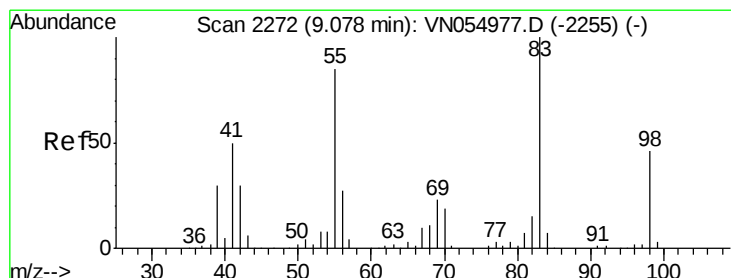
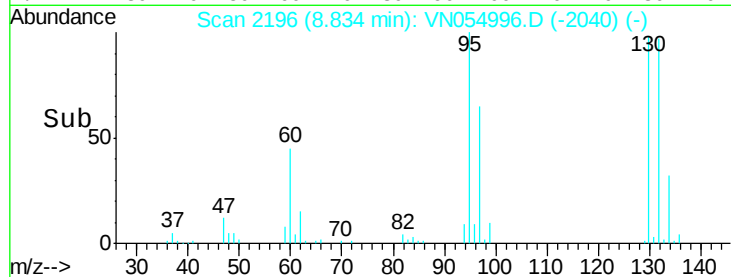
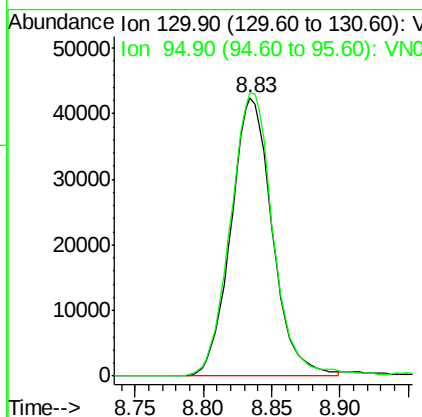
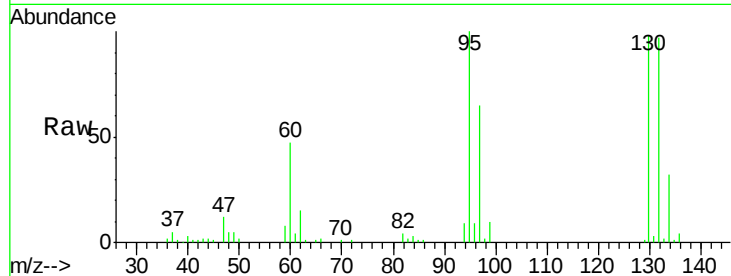
#37
 Trichloroethene
 Concen: 19.638 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 89154
 Ion Ratio Lower Upper
 130 100
 95 101.0 76.6 115.0

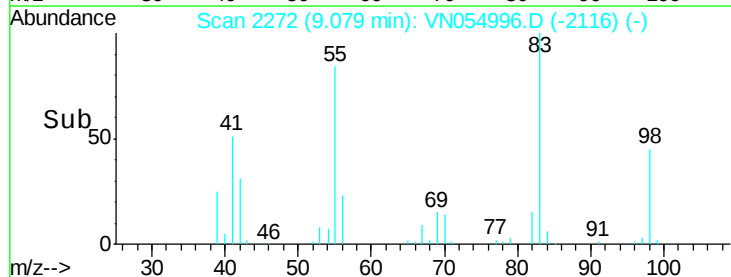
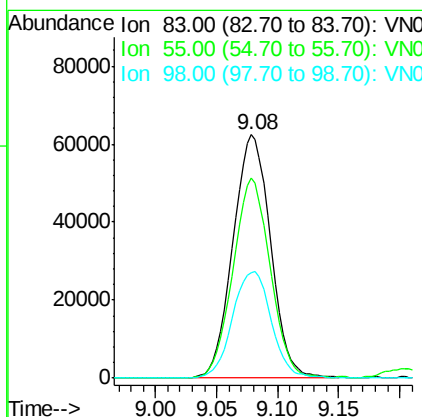
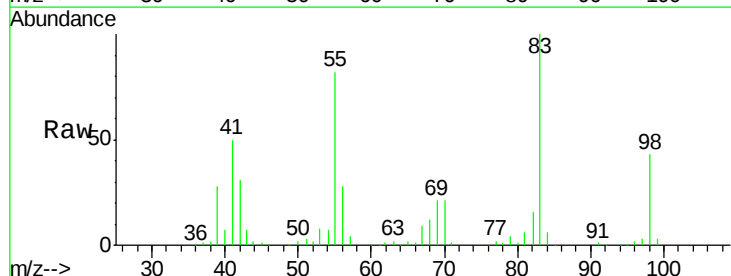
Manual Integrations
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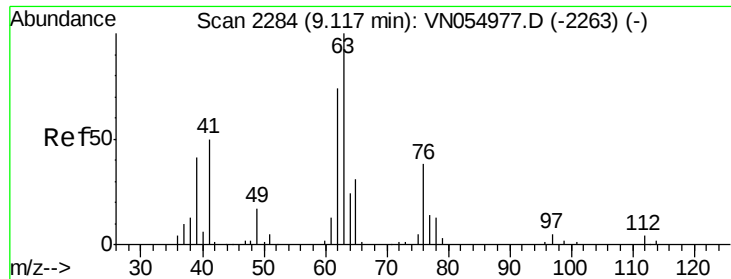
MMDadoda
 4/17/2019 9:37:03 AM



#38
 Methylcyclohexane
 Concen: 19.120 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion: 83 Resp: 133244
 Ion Ratio Lower Upper
 83 100
 55 81.7 41.9 125.6
 98 45.2 22.4 67.0





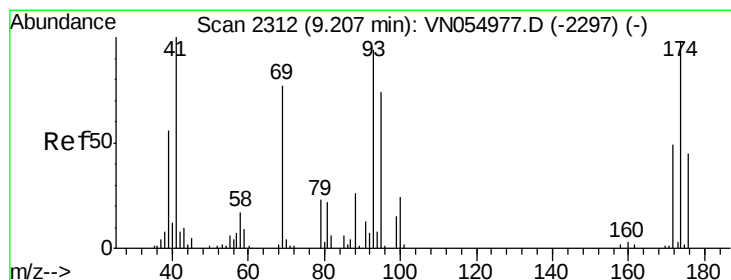
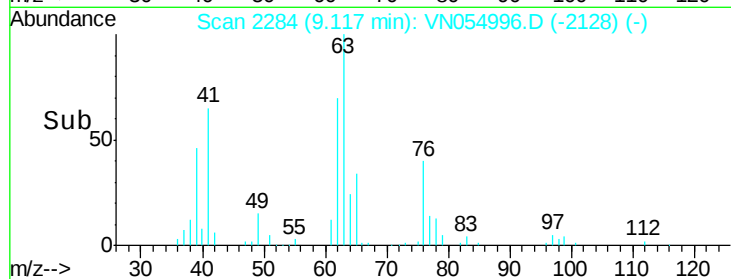
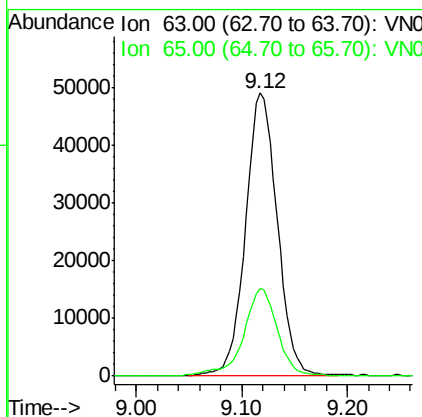
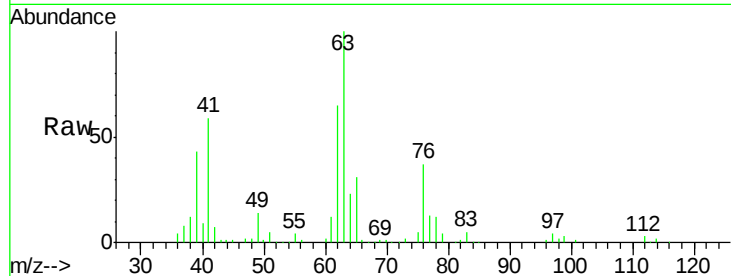
#39
 1,2-Dichloropropane
 Concen: 21.005 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 103290
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

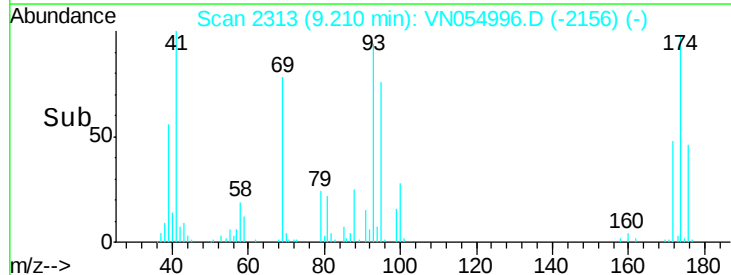
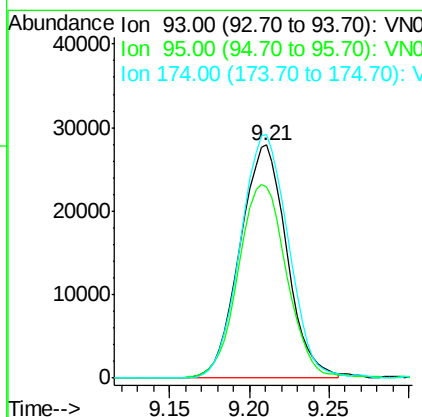
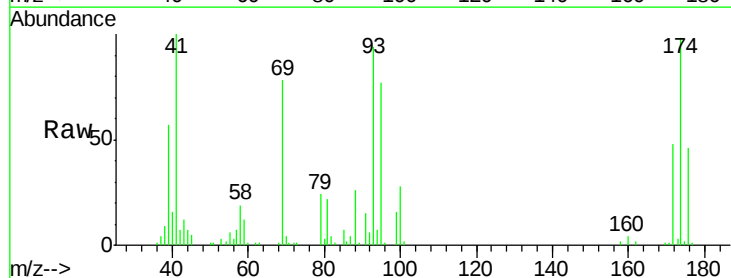
Manual Integrations
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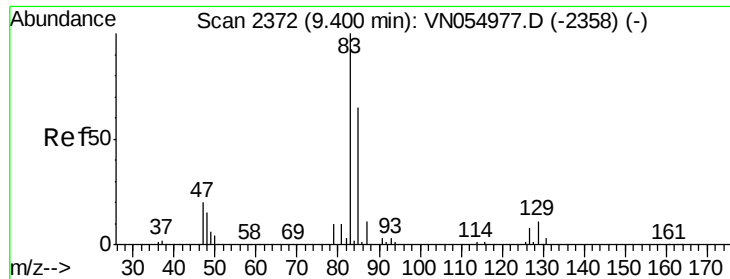
MMDadoda
 4/17/2019 9:37:03 AM



#40
 Dibromomethane
 Concen: 20.138 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion: 93 Resp: 55972
 Ion Ratio Lower Upper
 93 100
 95 85.7 0.0 160.8
 174 106.8 0.0 206.4





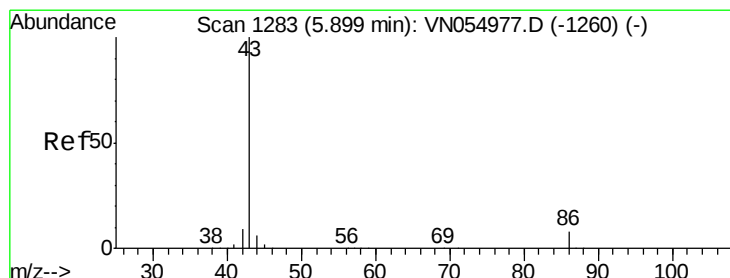
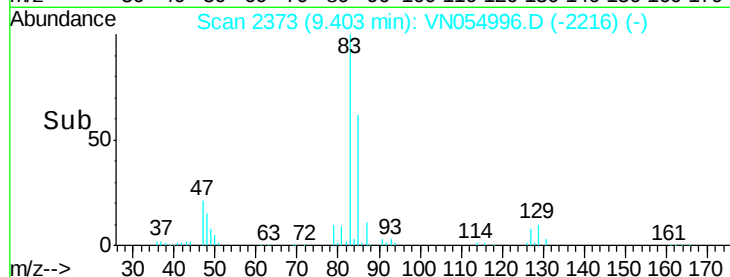
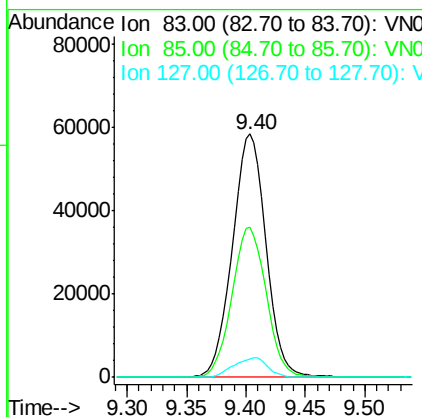
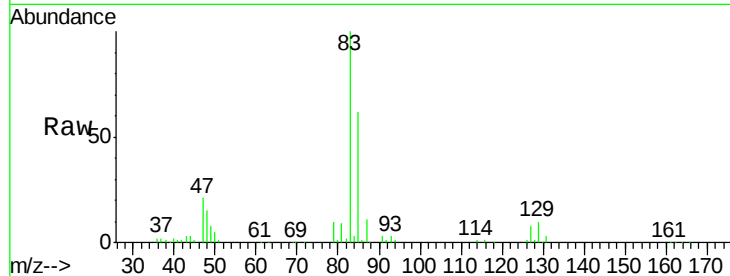
#41
Bromodichloromethane
Concen: 20.017 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	114825
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	52.0	78.0
127	7.5	7.2	10.8

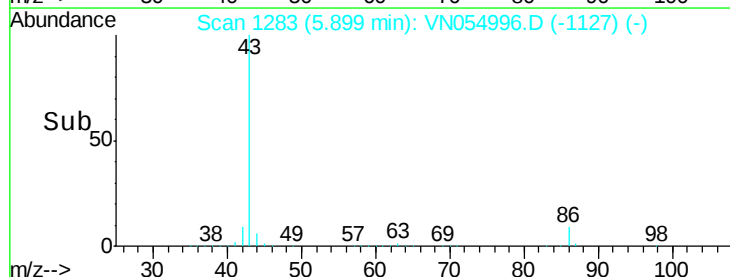
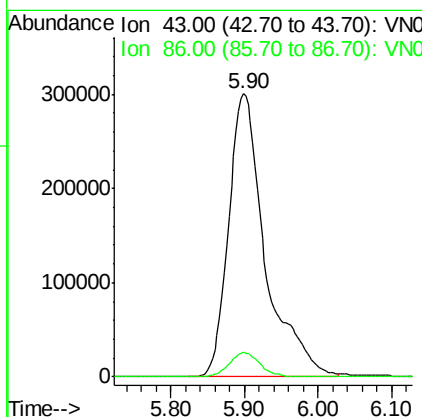
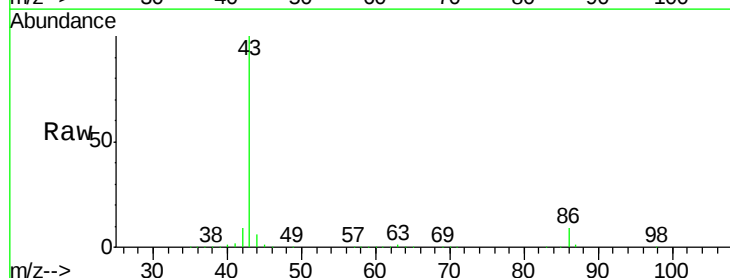
Manual Integrations
APPROVED

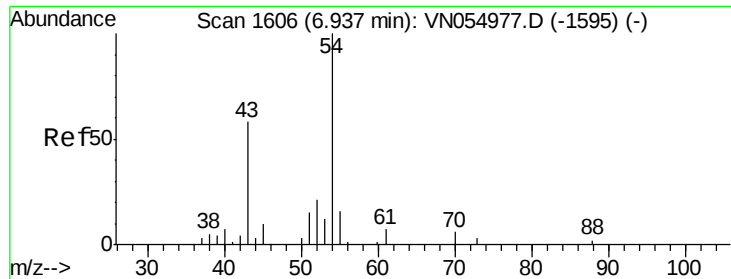
MMDadoda
4/17/2019 9:37:03 AM



#42
Vinyl Acetate
Concen: 102.850 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	43	Resp	1037202
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	5.7	8.5





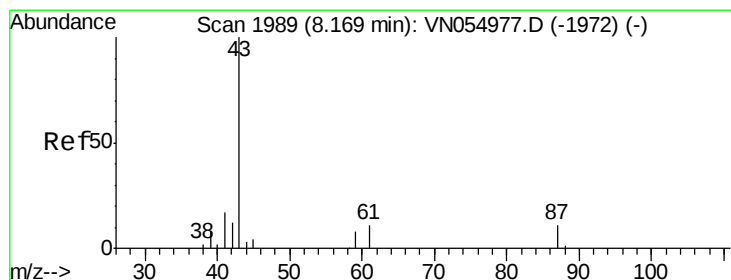
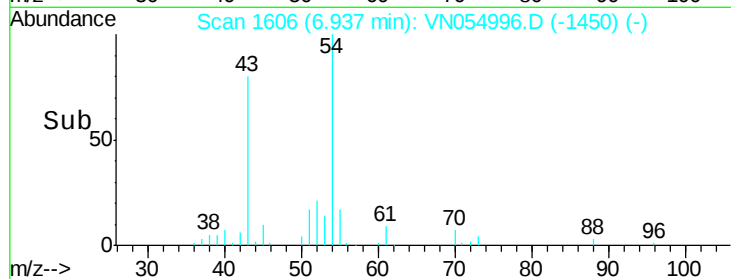
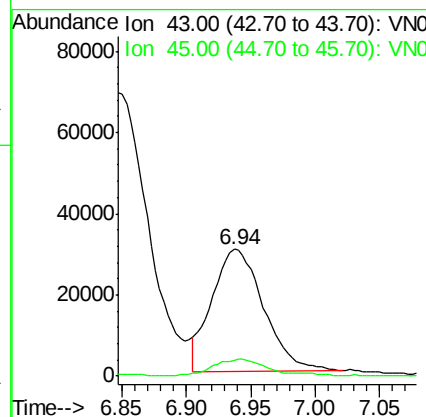
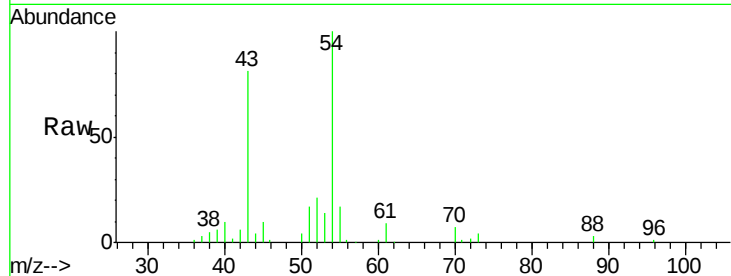
#43
Ethyl Acetate
Concen: 20.612 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 83763
Ion Ratio Lower Upper
43 100
45 12.8 10.6 15.8

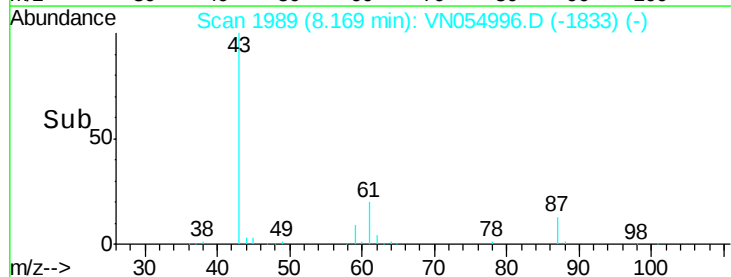
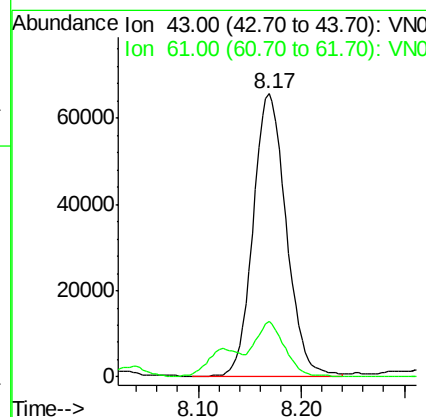
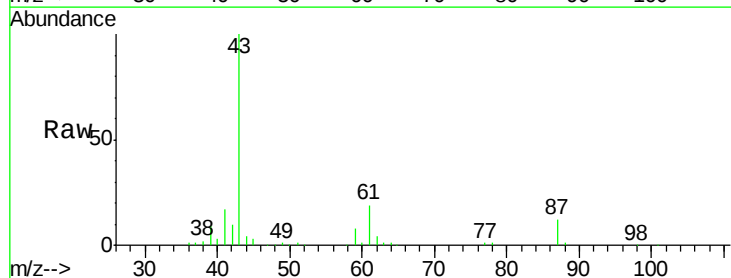
Manual Integrations
APPROVED

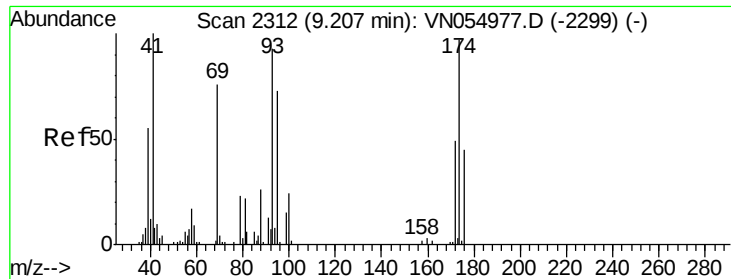
MMDadoda
4/17/2019 9:37:03 AM



#44
Isopropyl Acetate
Concen: 21.344 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion: 43 Resp: 146996
Ion Ratio Lower Upper
43 100
61 16.2 14.8 22.2





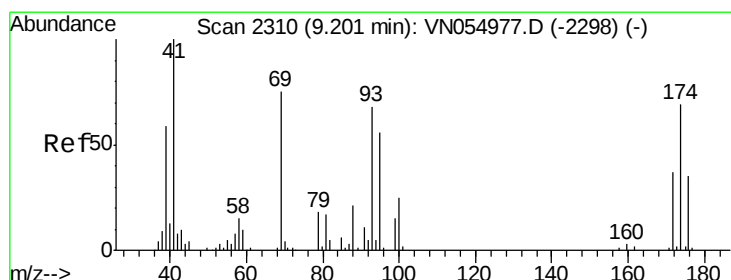
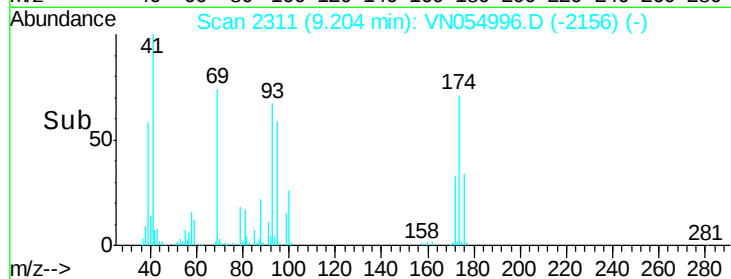
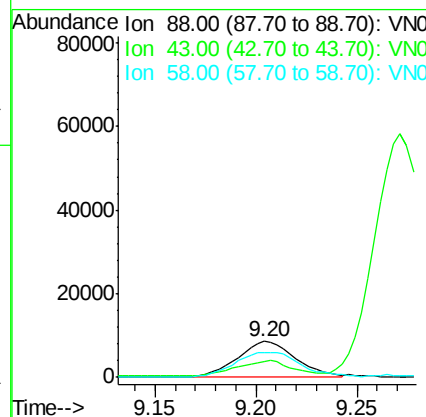
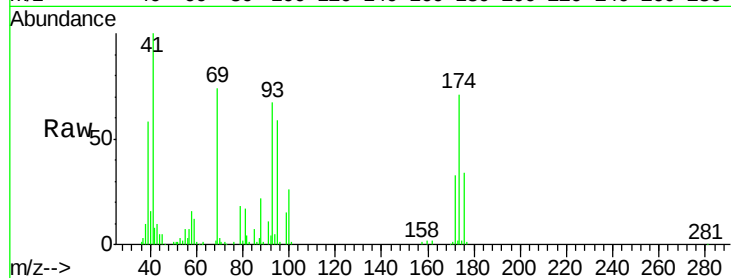
#45
 1,4-Dioxane
 Concen: 451.828 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	17239
Ion	Ratio	Lower	Upper
88	100		
43	37.9	34.5	51.7
58	79.3	60.3	90.5

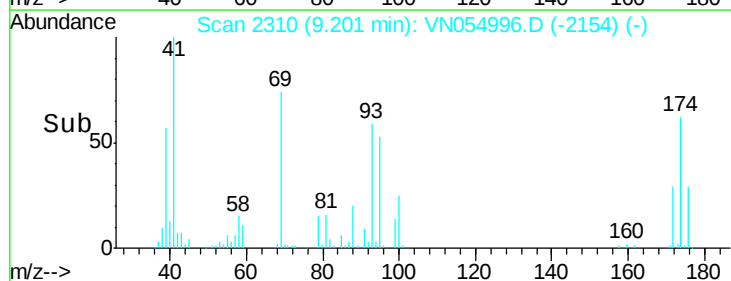
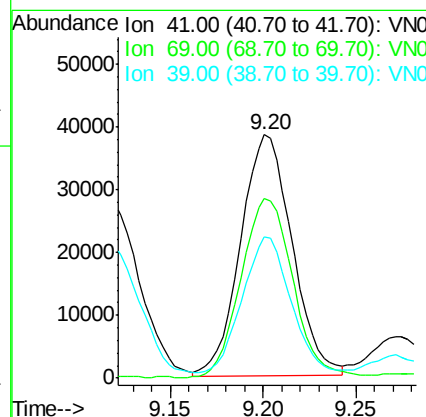
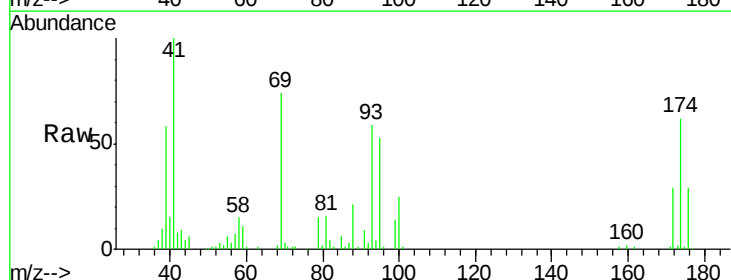
Manual Integrations
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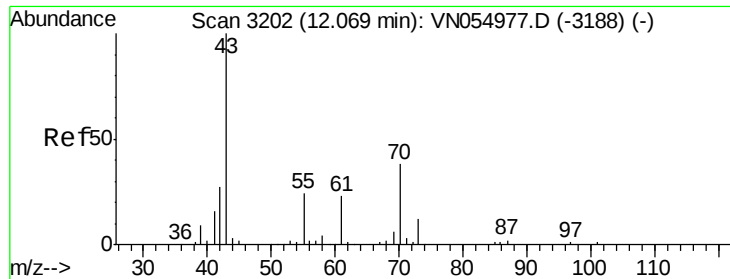
MMDadoda
 4/17/2019 9:37:03 AM



#46
 Methyl methacrylate
 Concen: 20.716 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	41	Resp	73803
Ion	Ratio	Lower	Upper
41	100		
69	74.9	37.3	111.9
39	57.0	29.4	88.2





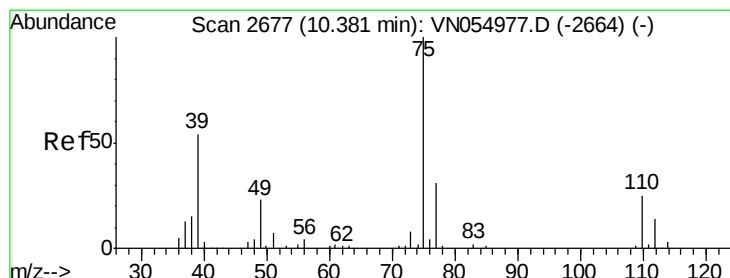
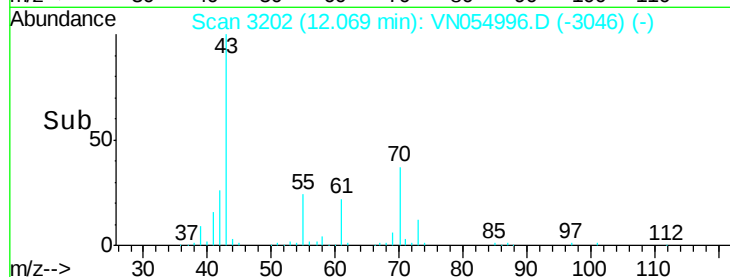
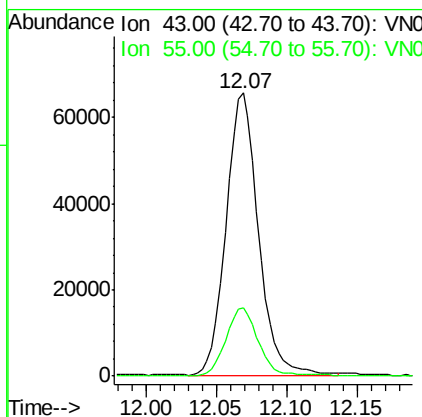
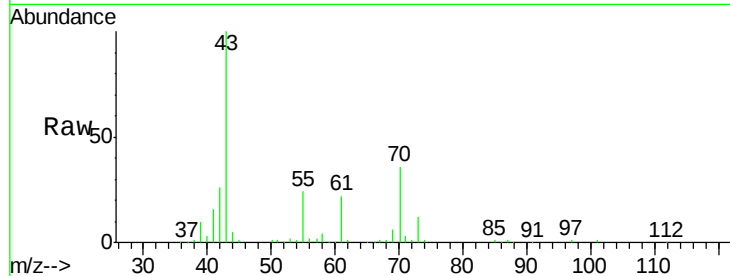
#47
n-amvl Acetate
Concen: 20.579 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 104387
Ion Ratio Lower Upper
43 100
55 24.4 19.8 29.6

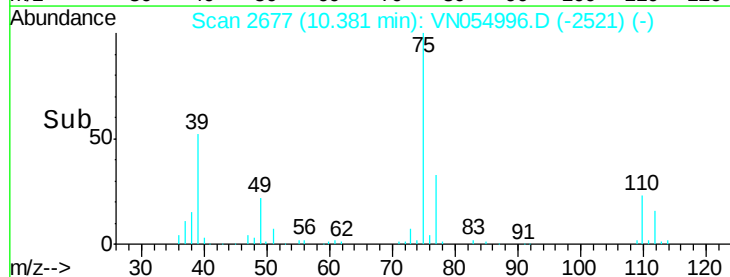
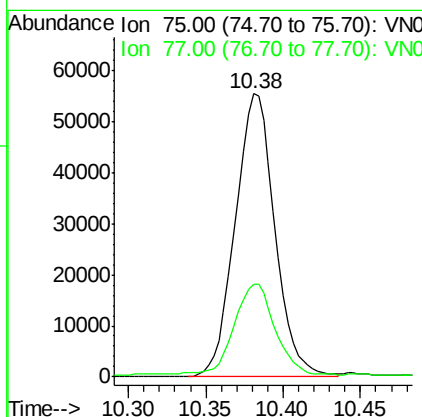
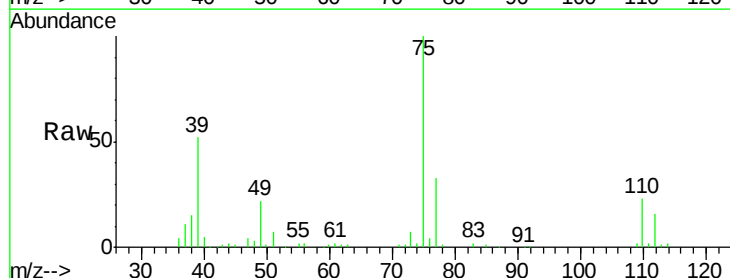
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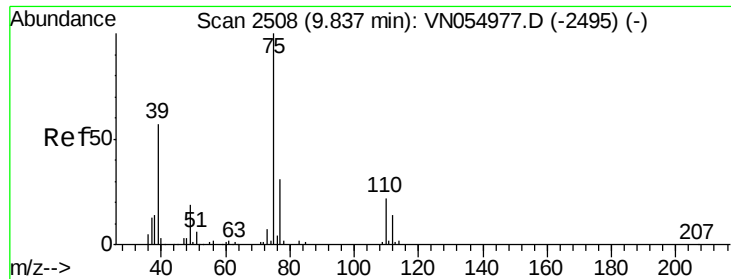
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.784 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion: 75 Resp: 98949
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0





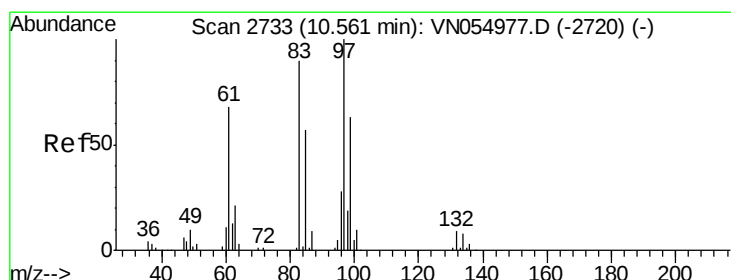
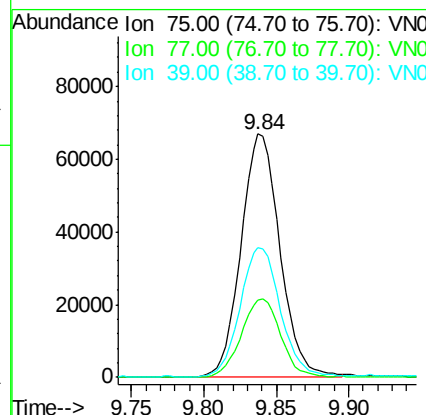
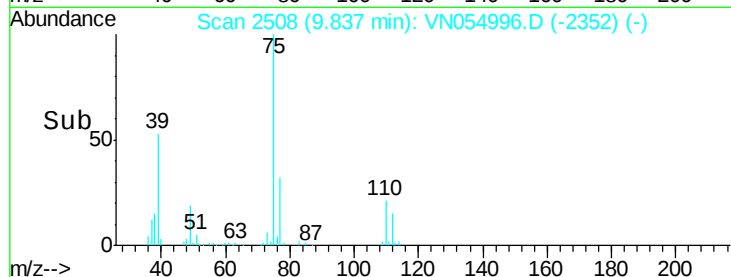
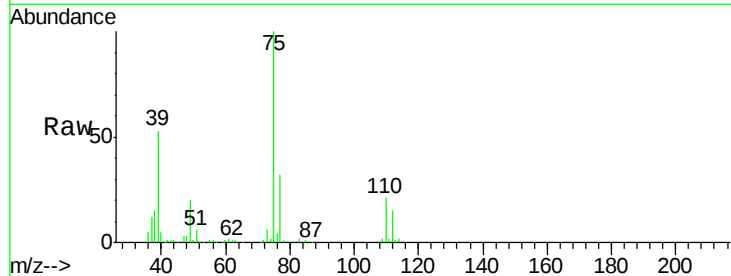
#49
 cis-1,3-Dichloropropene
 Concen: 19.261 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	53.1	45.3	67.9

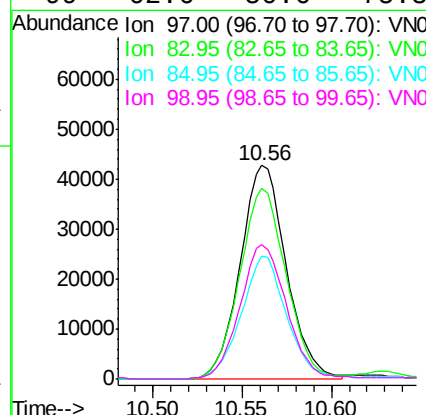
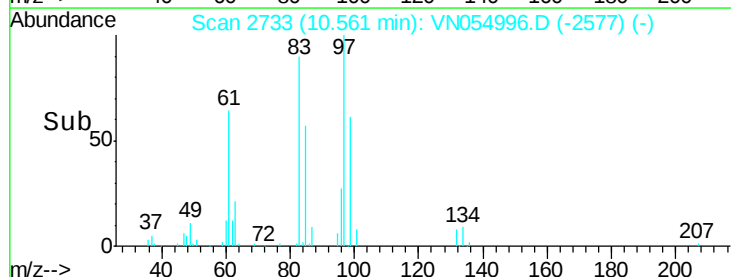
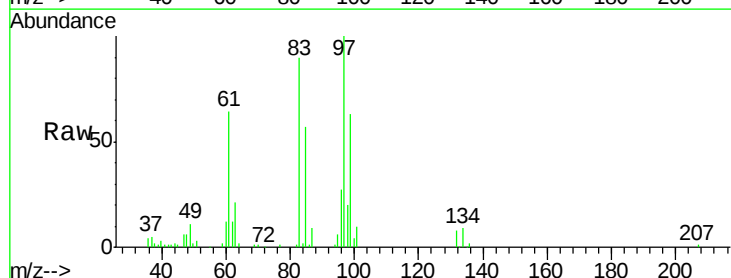
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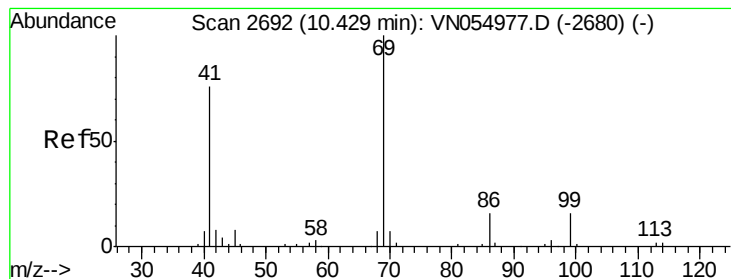
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#50
 1,1,2-Trichloroethane
 Concen: 20.436 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.1	108.1
85	56.8	45.4	68.0
99	62.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.825 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

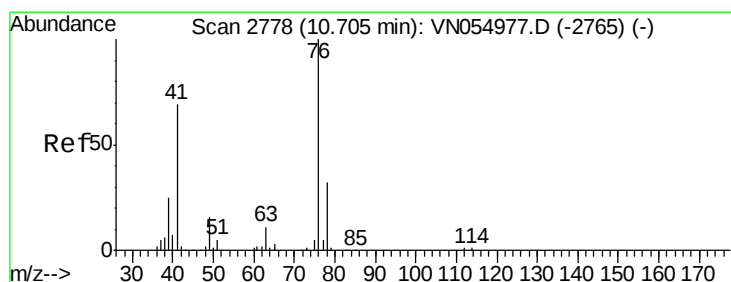
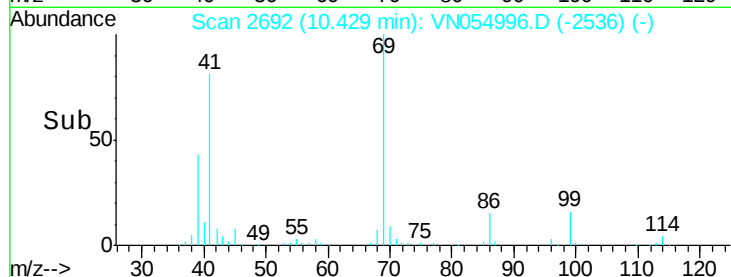
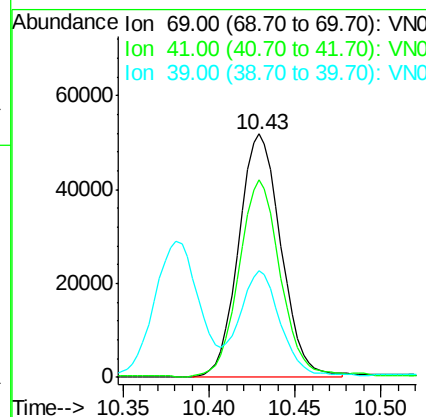
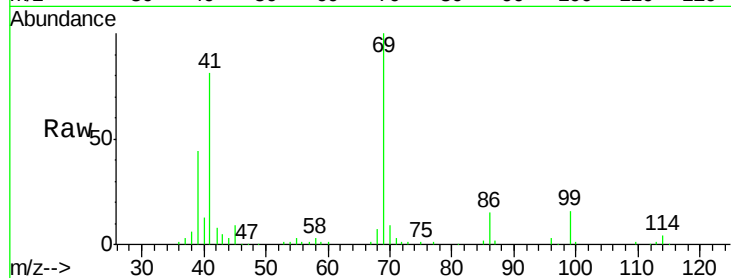
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	89212
Ion	Ratio	Lower	Upper
69	100		
41	80.5	37.9	113.7
39	42.8	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.822 ug/l

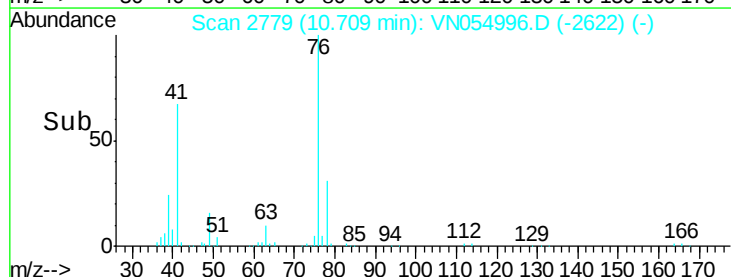
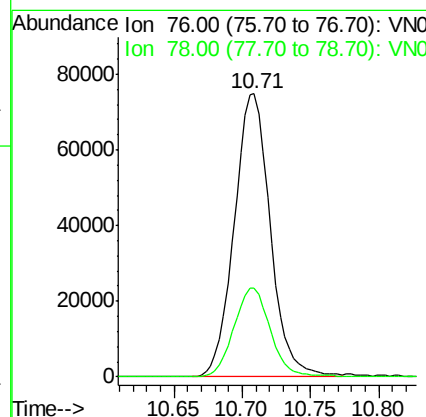
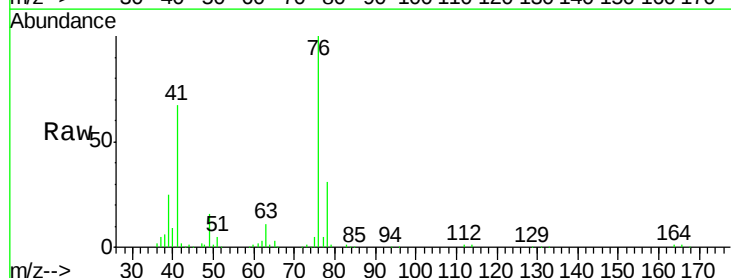
RT: 10.71 min Scan# 2779

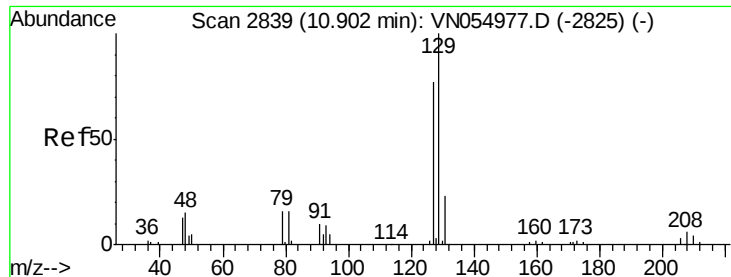
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	76	Resp:	137738
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.4





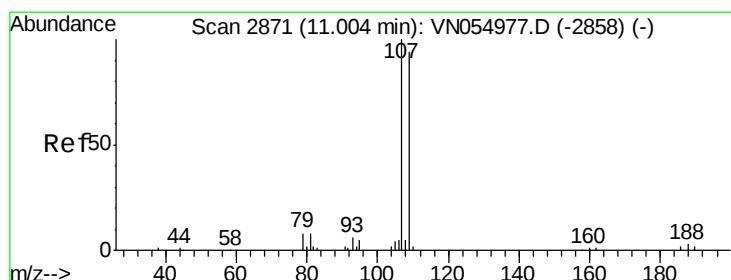
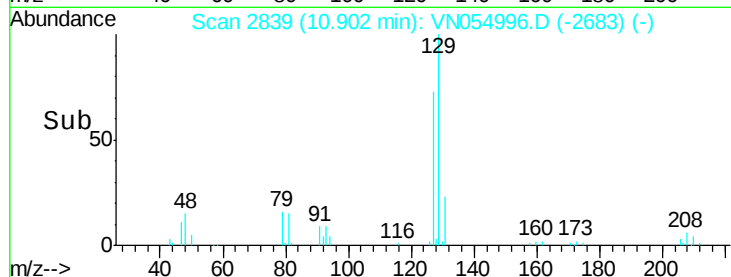
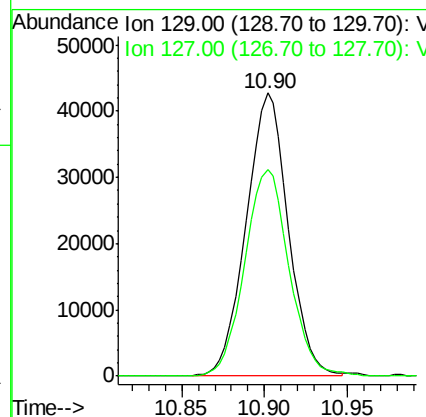
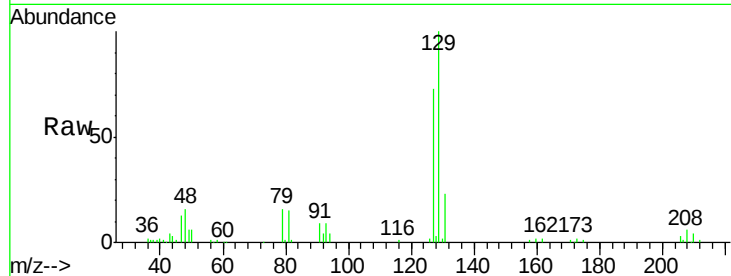
#53
Dibromochloromethane
Concen: 19.369 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	37.8	113.3

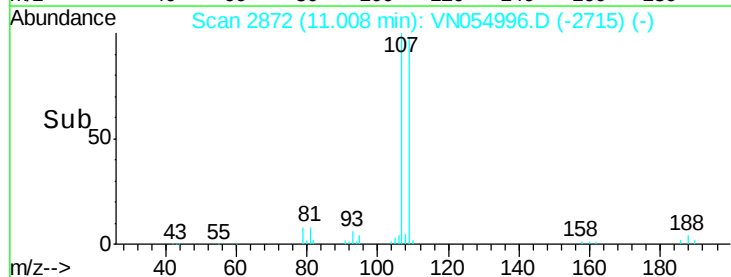
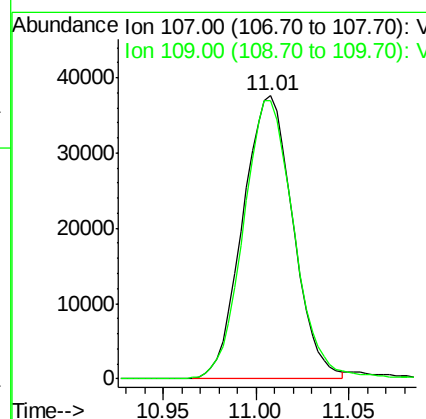
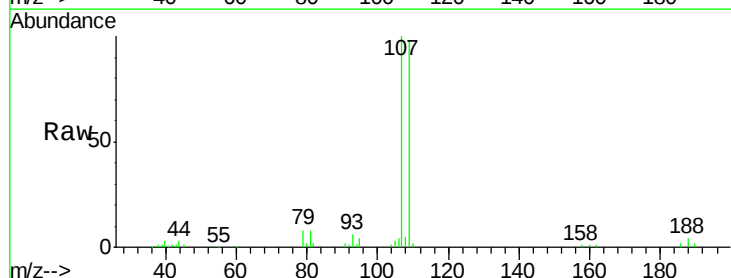
Manual Integrations
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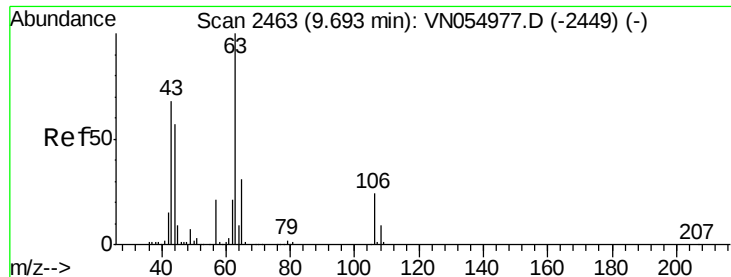
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4/17/2019 9:37:03 AM



#54
1,2-Dibromoethane
Concen: 19.942 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.0	76.2	114.2





#55

2-Chloroethyl vinyl ether

Concen: 104.070 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

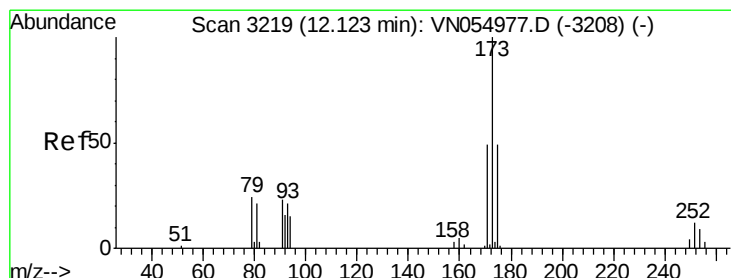
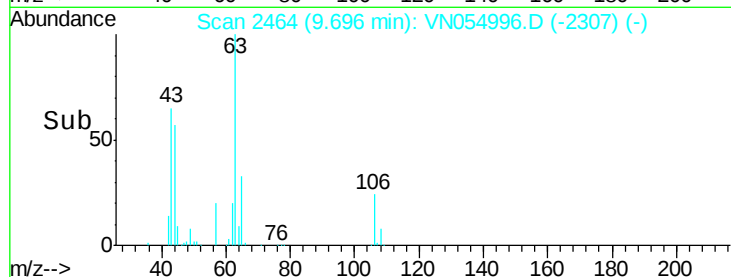
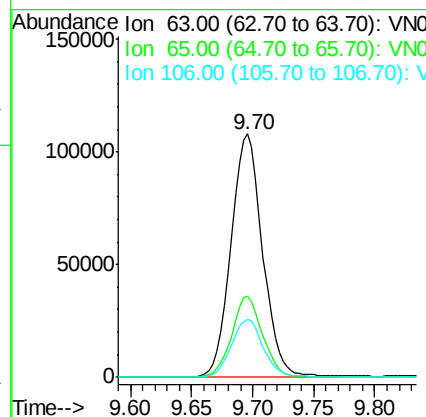
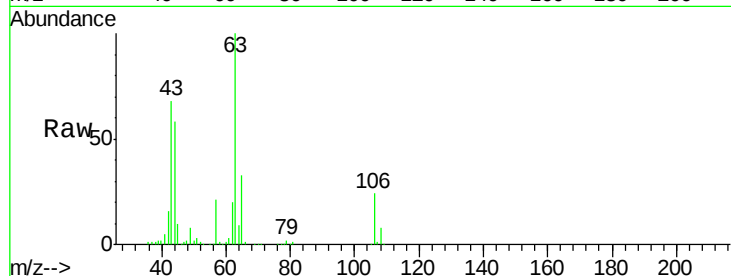
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	195787
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.0
106	23.9	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 18.618 ug/l

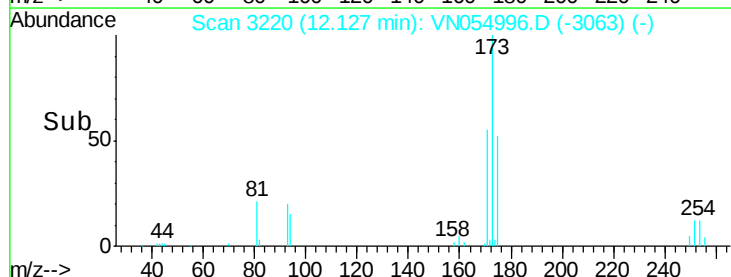
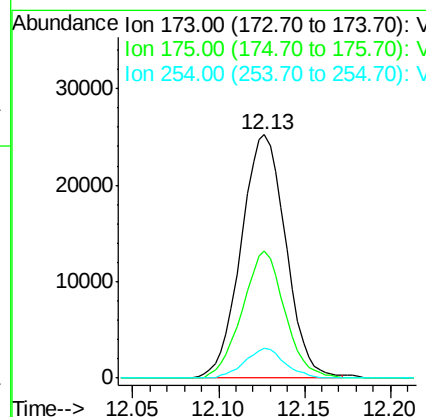
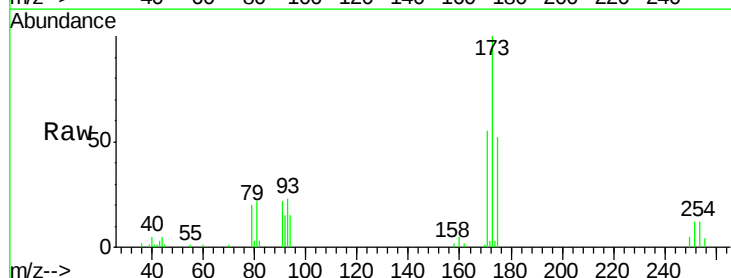
RT: 12.13 min Scan# 3220

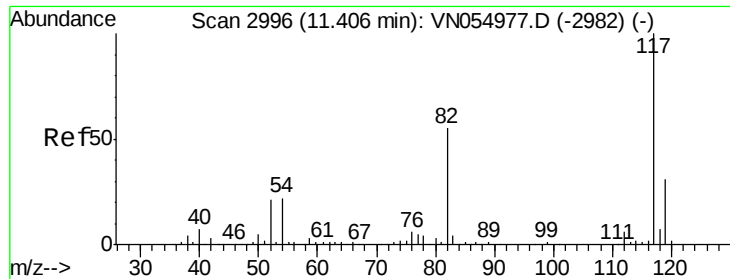
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion:	173	Resp:	45490
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	11.0	6.8	10.2#





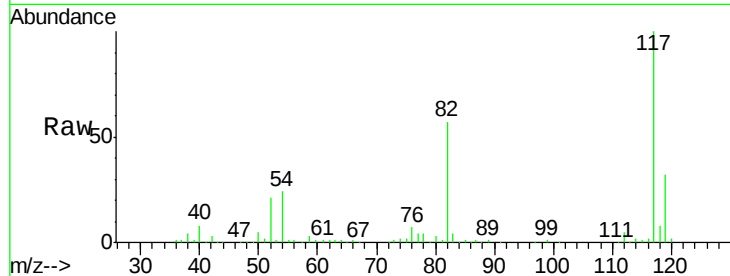
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

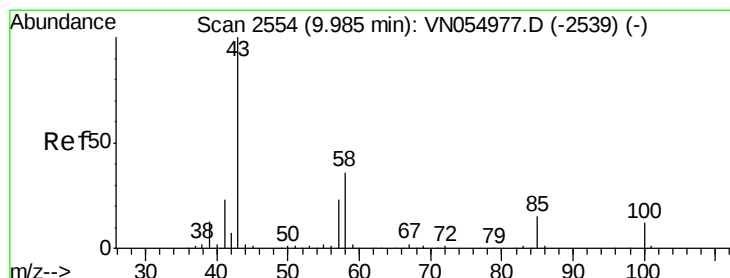
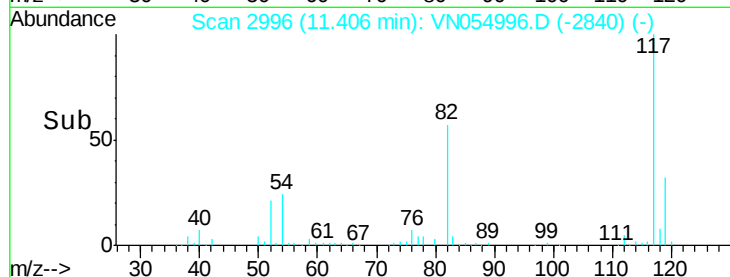
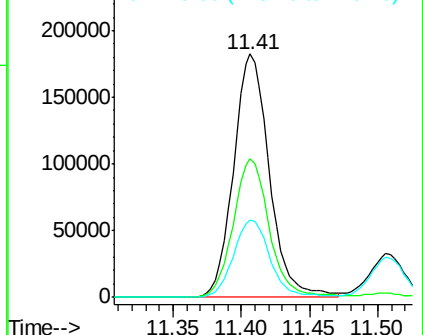
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.2	67.8
119	32.6	25.4	38.2

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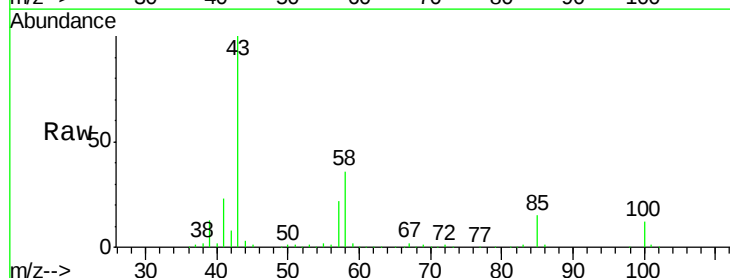


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

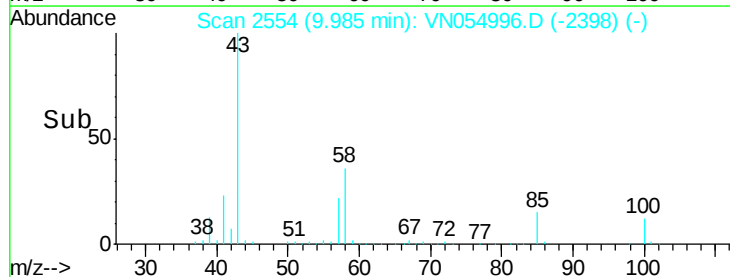
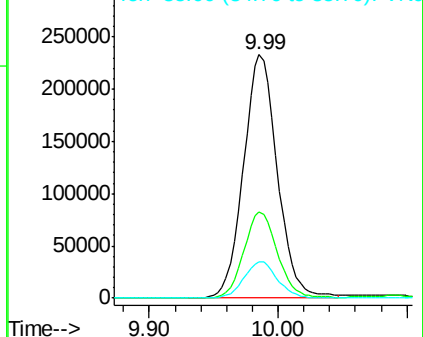


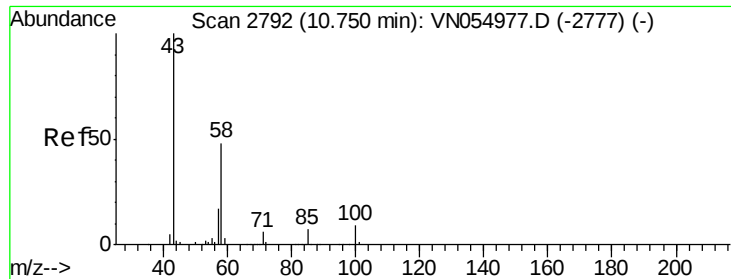
#58
4-Methyl-2-Pentanone
Concen: 110.509 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.7	43.1
85	14.9	11.8	17.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





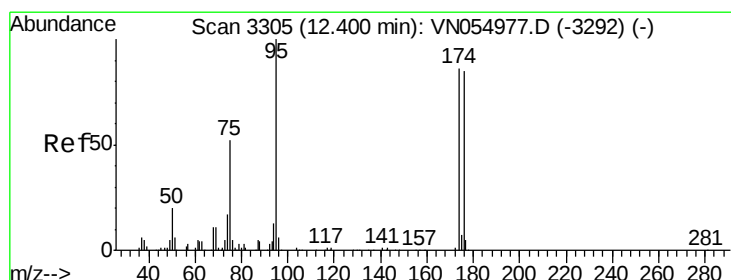
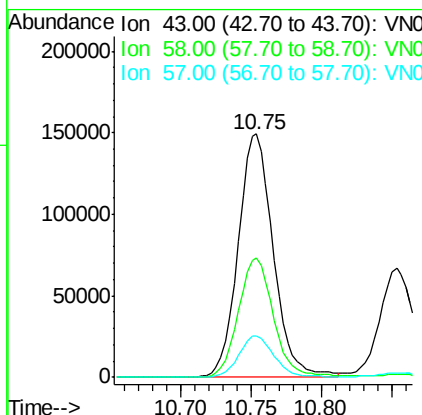
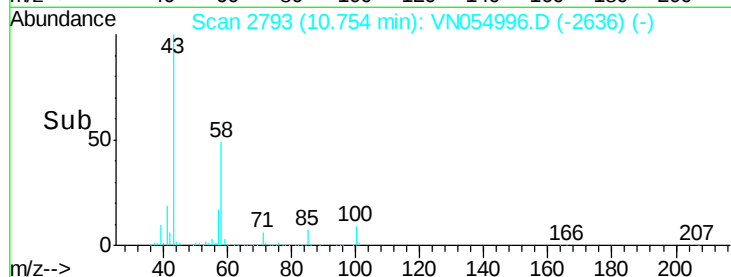
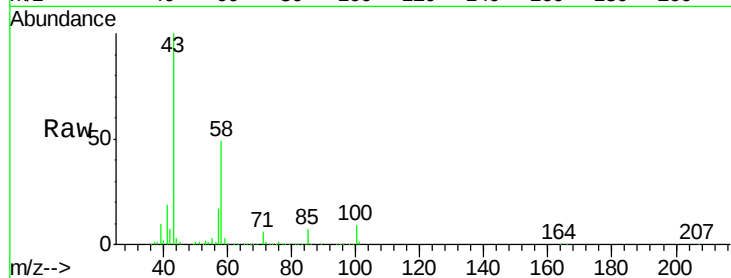
#59
2-Hexanone
Concen: 106.478 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	38.8	58.2
57	17.3	13.8	20.6

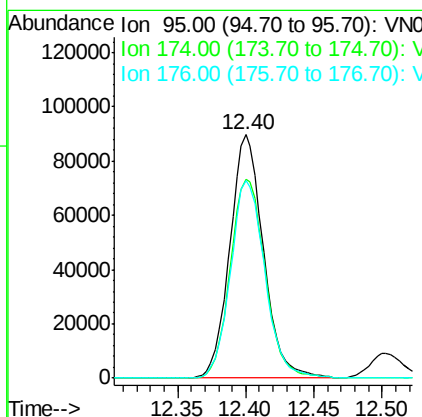
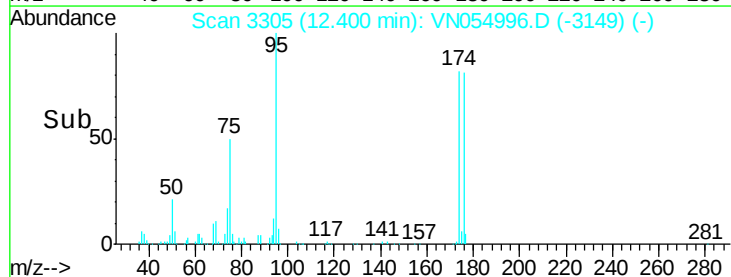
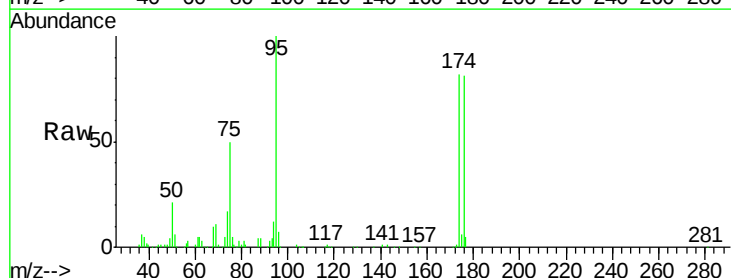
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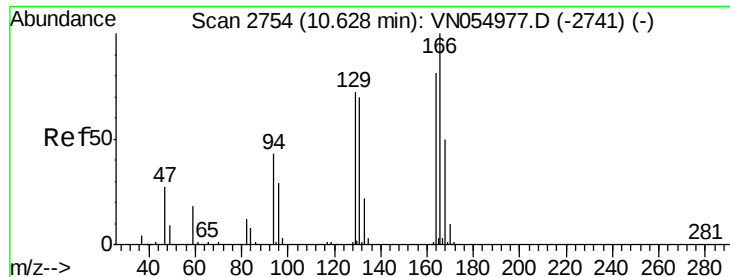
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#60
4-Bromofluorobenzene
Concen: 106.478 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	69.4	104.2
176	83.1	67.4	101.2





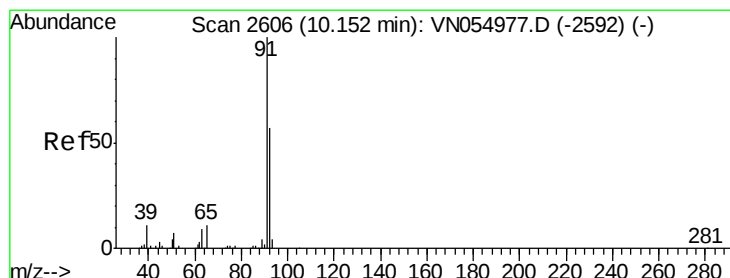
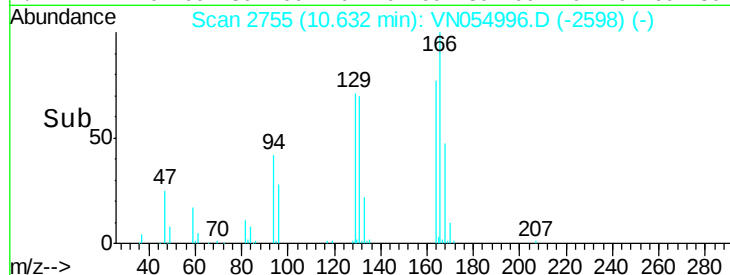
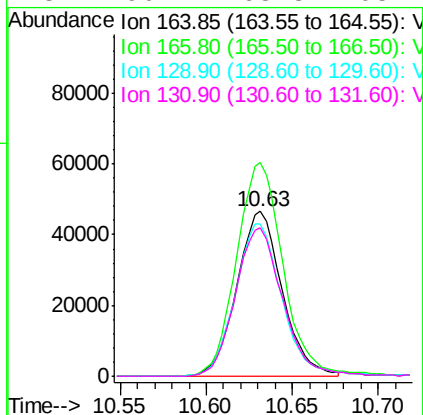
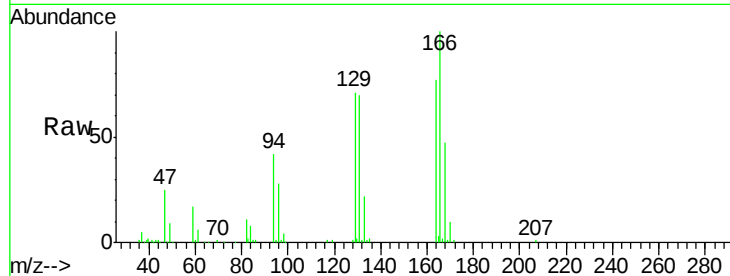
#61
Tetrachloroethene
Concen: 19.763 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.0	99.0	148.4
129	91.8	71.4	107.0
131	90.1	68.8	103.2

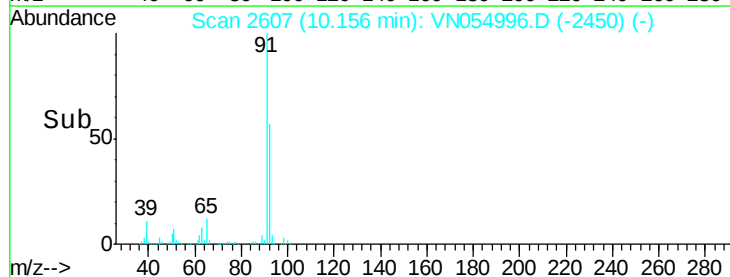
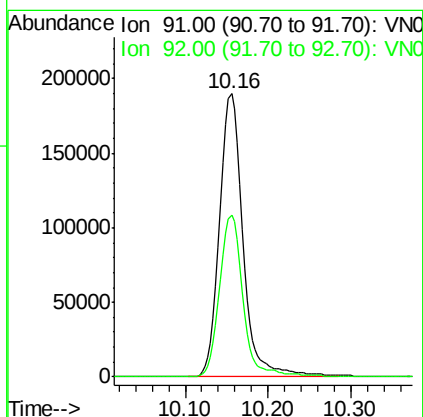
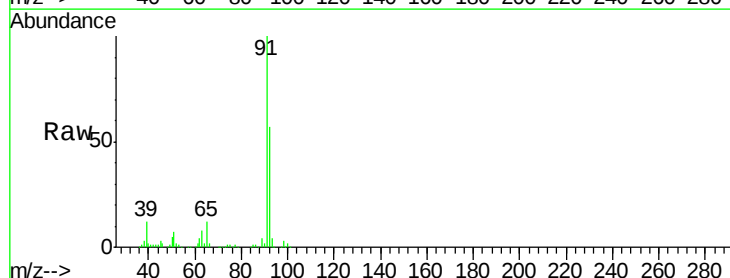
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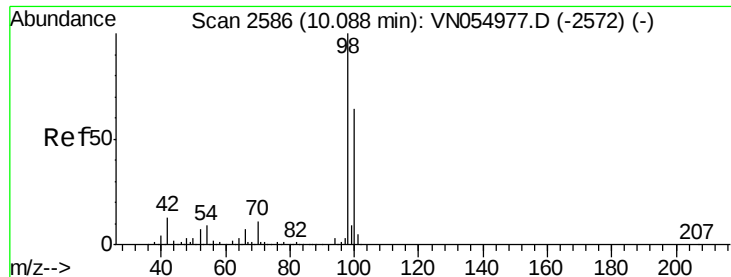
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#62
Toluene
Concen: 20.379 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	44.8	67.2





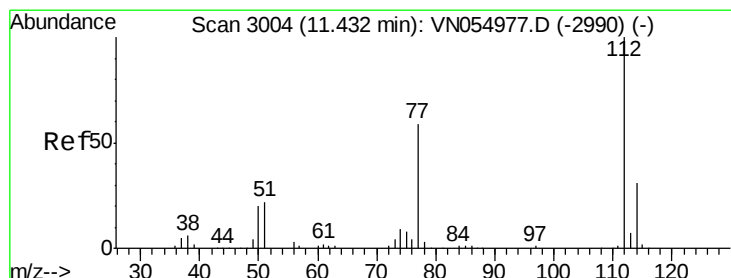
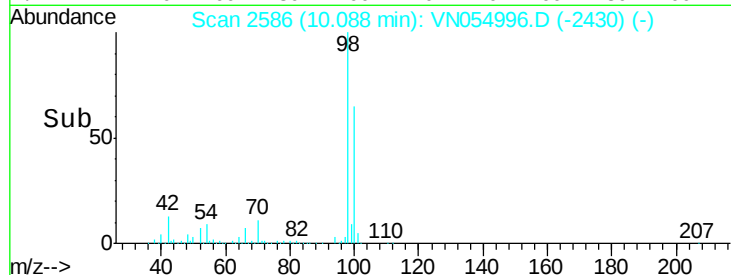
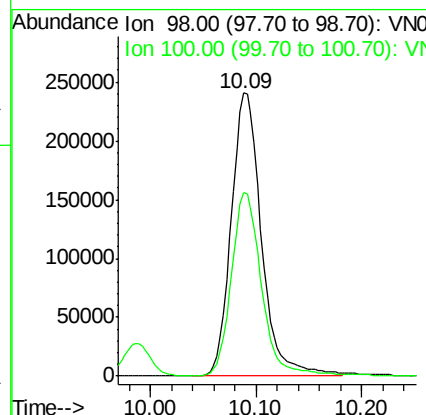
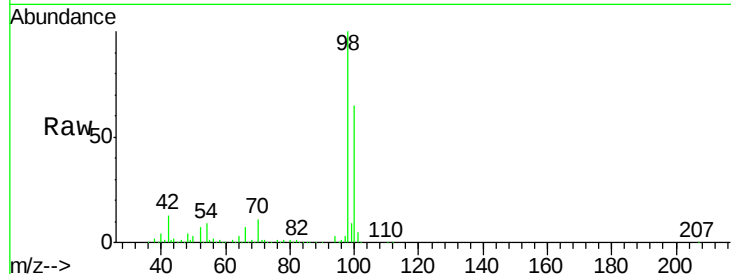
#63
Toluene-d8
Concen: 20.379 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 478219
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

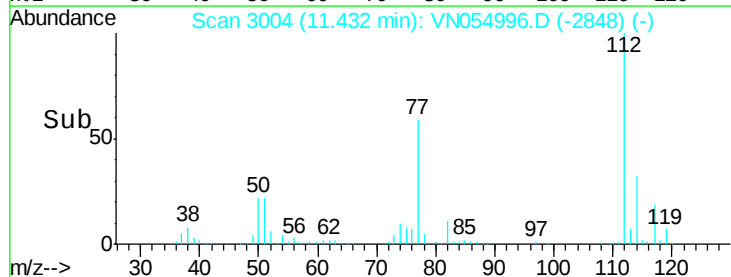
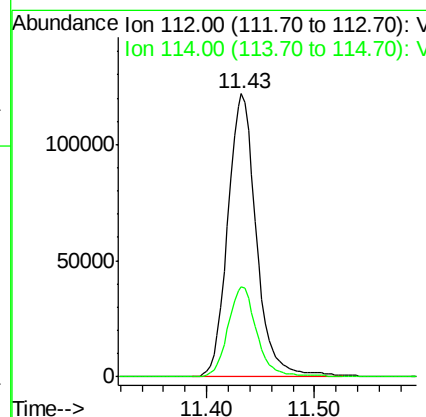
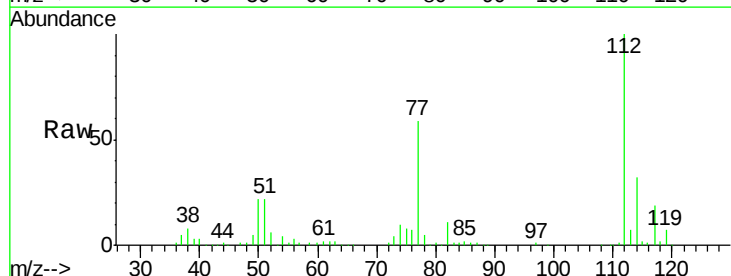
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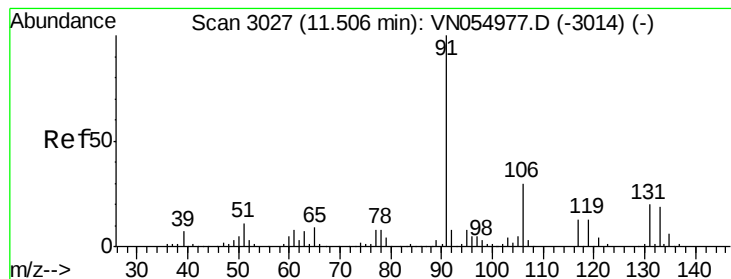
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#64
Chlorobenzene
Concen: 20.370 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion: 112 Resp: 225300
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.015 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

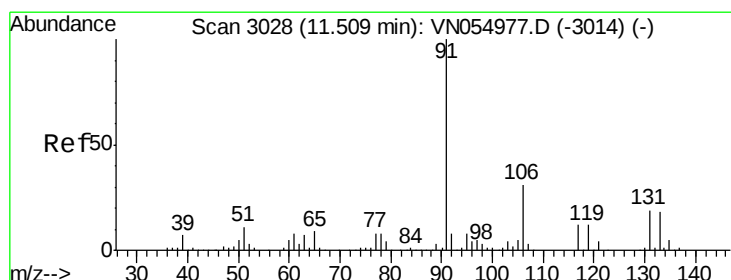
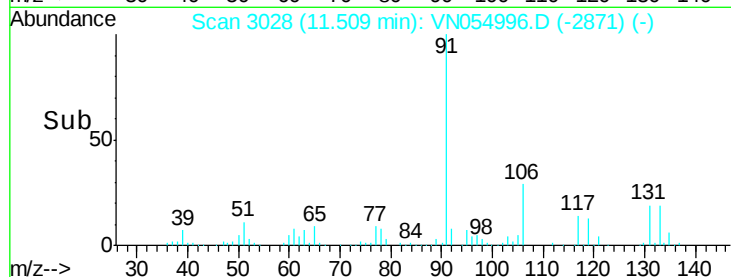
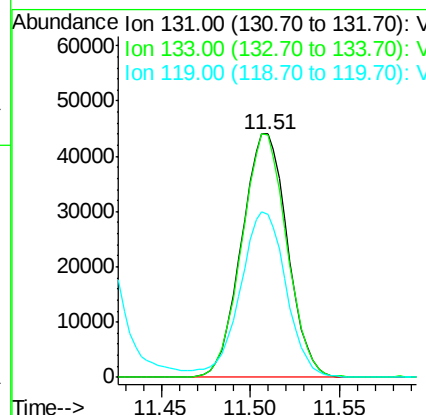
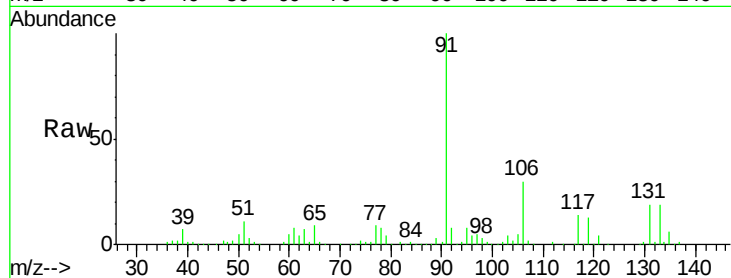
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	78735		
133	98.2	0.0	187.8	
119	68.3	0.0	131.4	

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#66

Ethyl Benzene

Concen: 20.087 ug/l

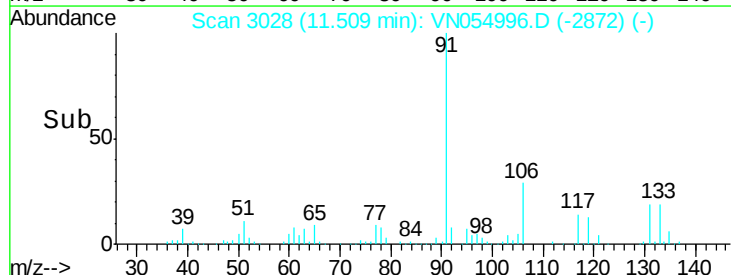
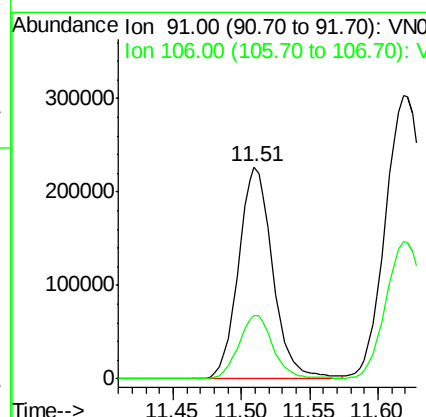
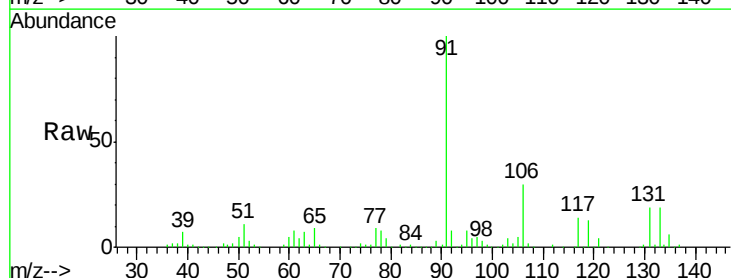
RT: 11.51 min Scan# 3028

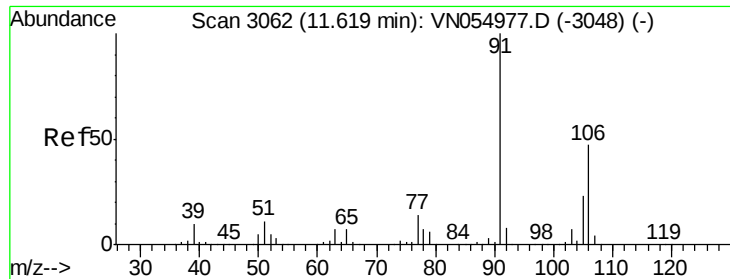
Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	394497		
106	29.9	24.6	36.8	





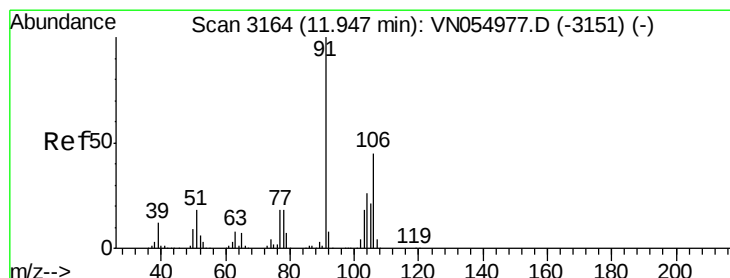
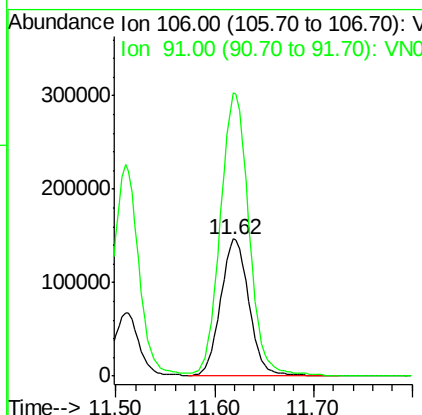
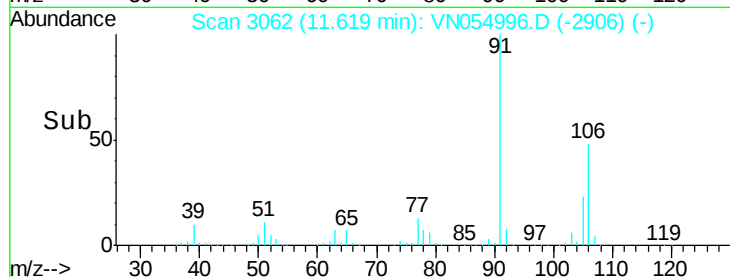
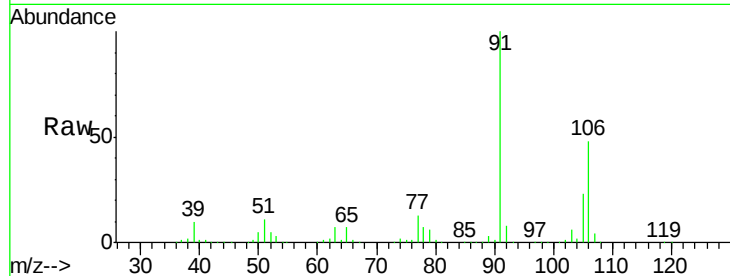
#67
m/p-Xylenes
Concen: 40.796 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 297814
Ion Ratio Lower Upper
106 100
91 207.6 167.4 251.2

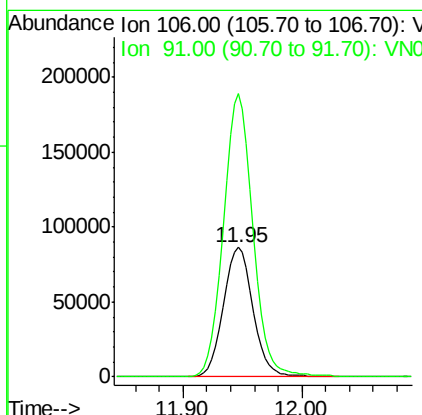
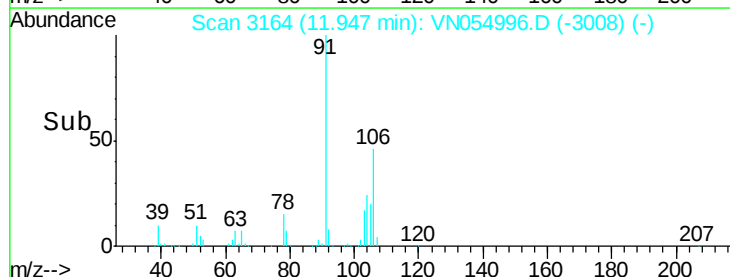
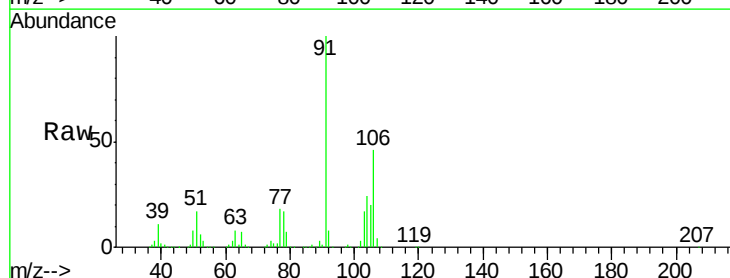
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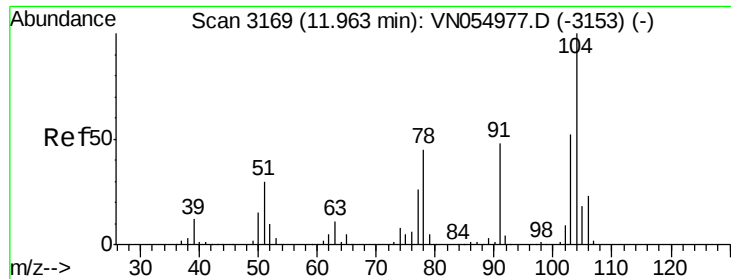
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#68
o-Xylene
Concen: 20.714 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion:106 Resp: 149434
Ion Ratio Lower Upper
106 100
91 216.1 110.3 330.8





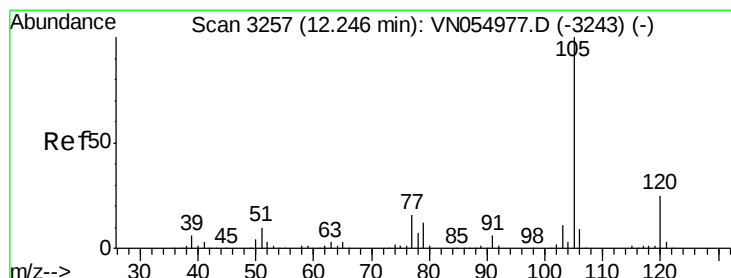
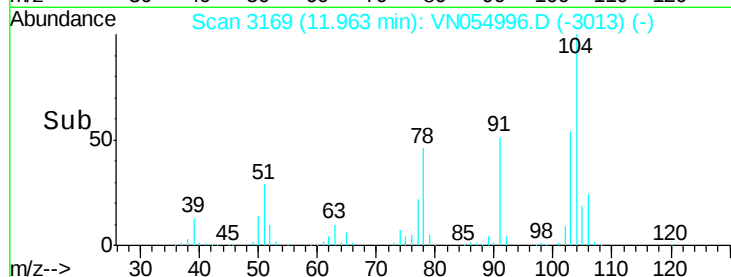
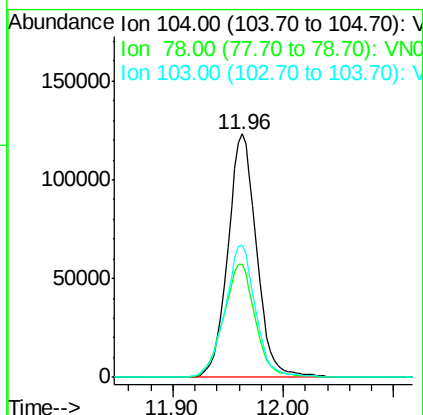
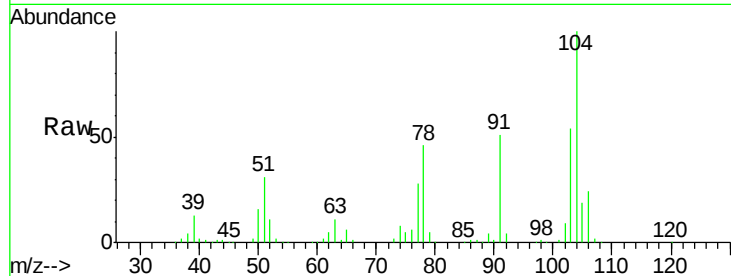
#69
Stvrene
Concen: 19.851 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.2	61.8
103	57.7	44.6	67.0

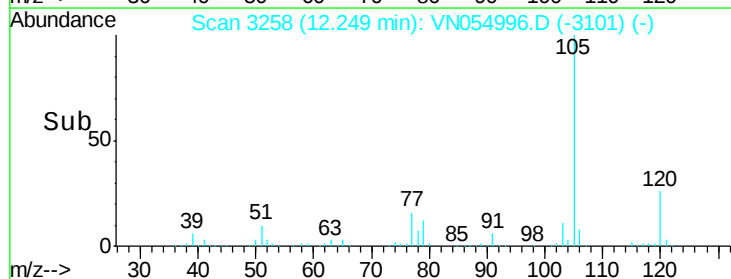
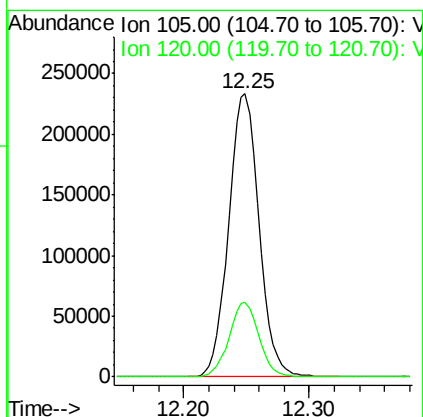
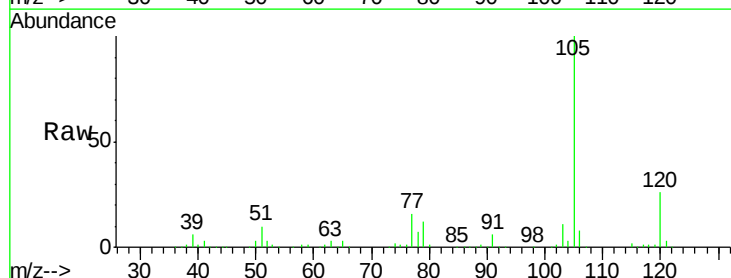
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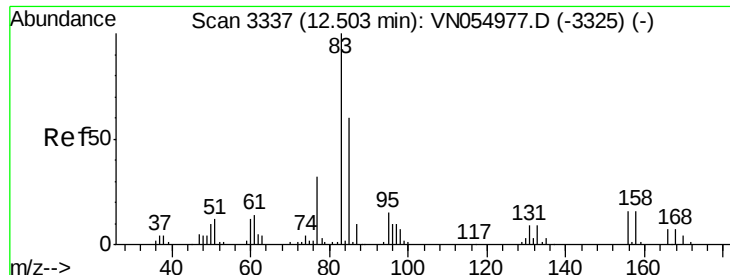
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#70
Isopropylbenzene
Concen: 20.350 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.3	33.9





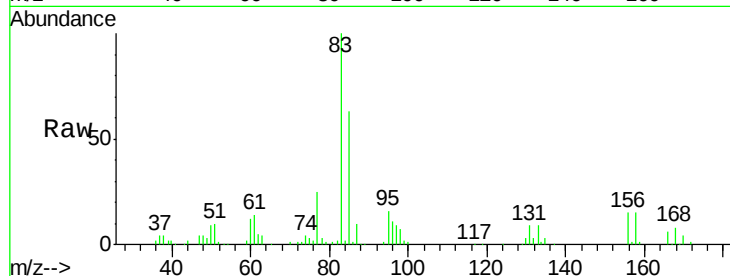
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.897 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

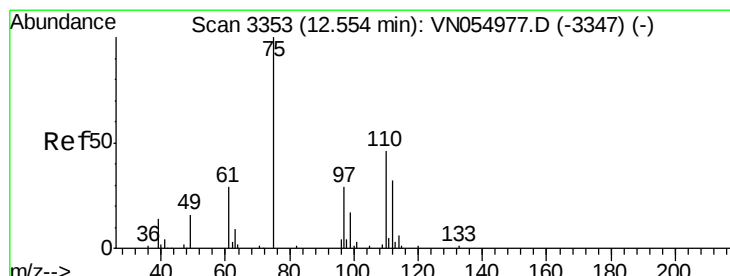
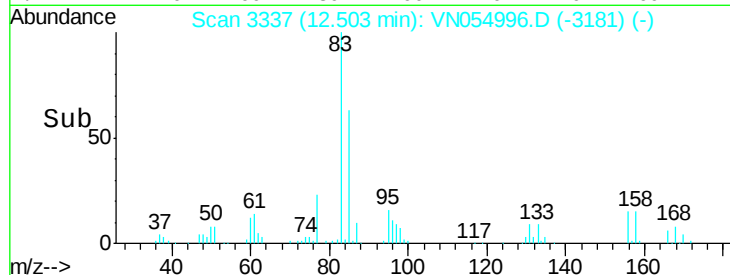
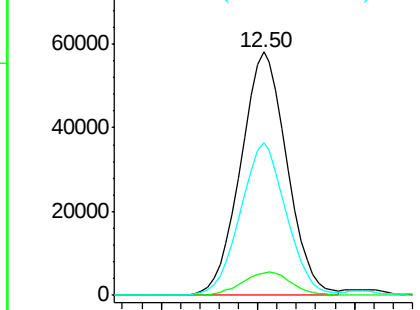
Tot Ion	83	Resp	96601
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	4.6	13.8
85	62.0	30.9	92.5

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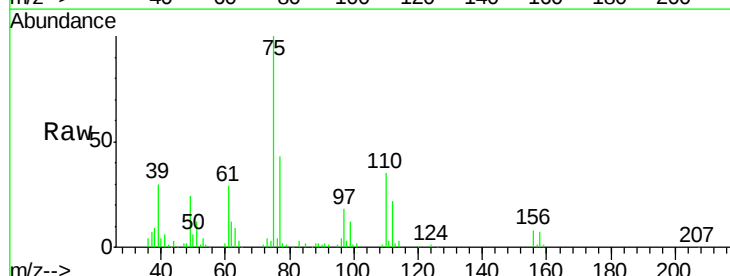


Abundance Ion 83.00 (82.70 to 83.70): VN054996.D (-3181) (-)
 Ion 131.00 (130.70 to 131.70): VN054996.D (-3181) (-)
 Ion 85.00 (84.70 to 85.70): VN054996.D (-3181) (-)

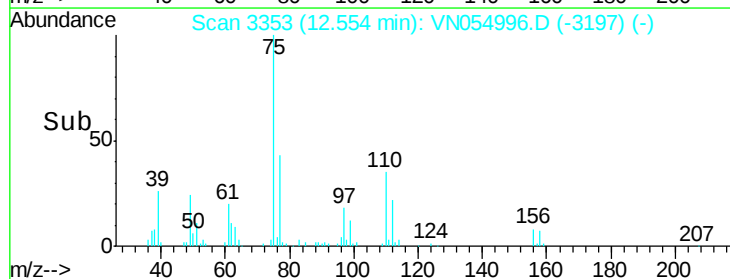
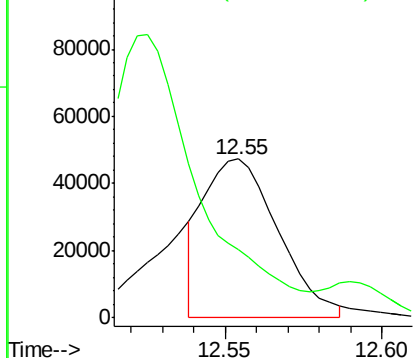


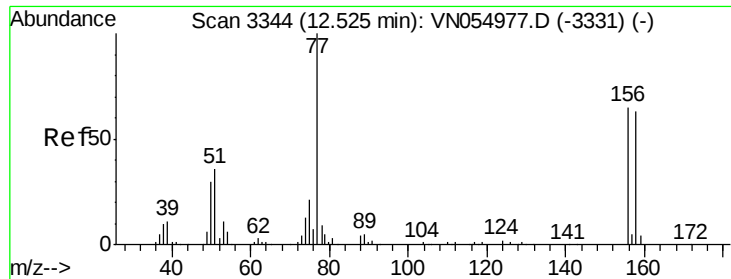
#72
 1,2,3-Trichloropropane
 Concen: 21.472 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	75	Resp	78228
Ion Ratio	100	Lower	Upper
75	100		
77	227.2	0.0	466.6



Abundance Ion 75.00 (74.70 to 75.70): VN054996.D (-3197) (-)
 Ion 77.00 (76.70 to 77.70): VN054996.D (-3197) (-)





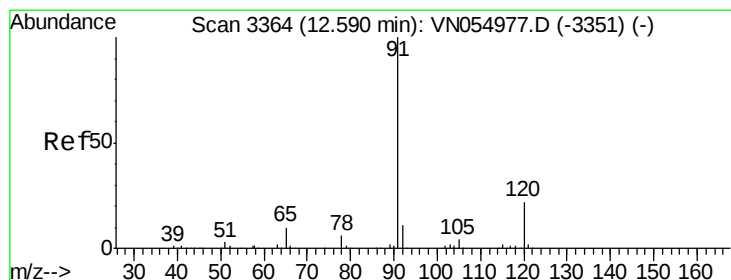
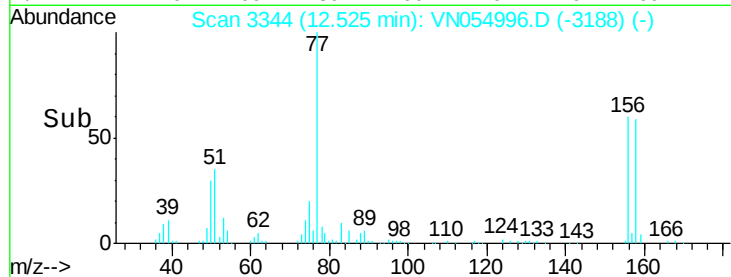
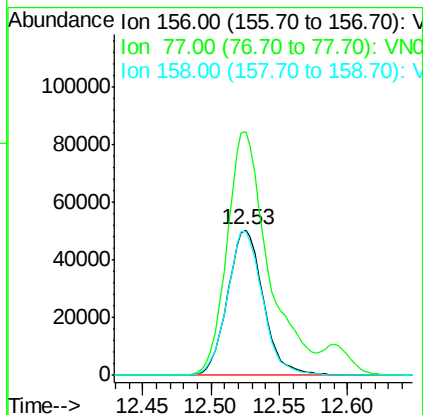
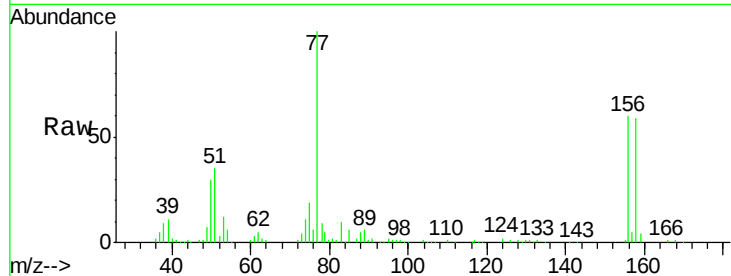
#73
Bromobenzene
Concen: 20.077 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		91531		
77	194.2	0.0	383.2		
158	98.0	0.0	193.8		

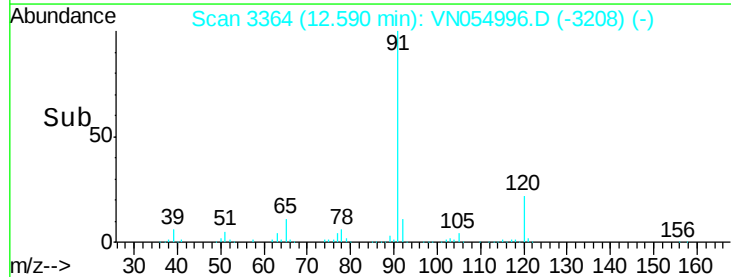
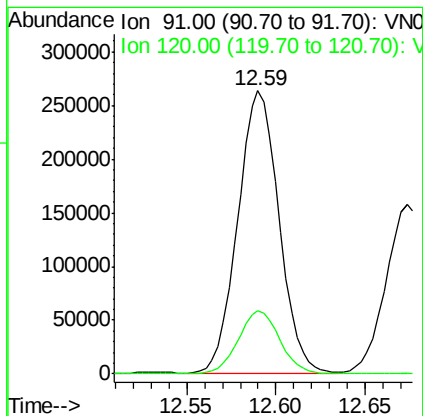
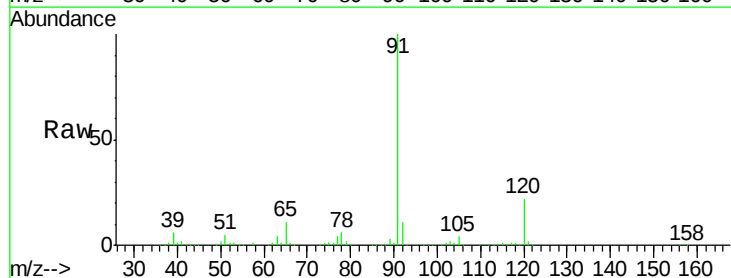
Manual Integrations
APPROVED

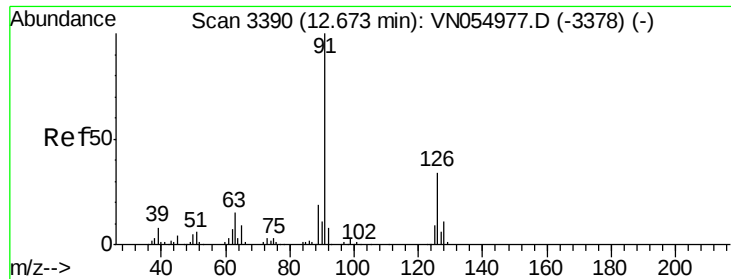
MMDadoda
4/17/2019 9:37:03 AM



#74
n-propylbenzene
Concen: 19.707 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		425547		
120	22.5	0.0	44.4		





#75

2-Chlorotoluene

Concen: 20.425 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054996.D

Acq: 12 Apr 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 266009

Ion Ratio Lower Upper

91 100

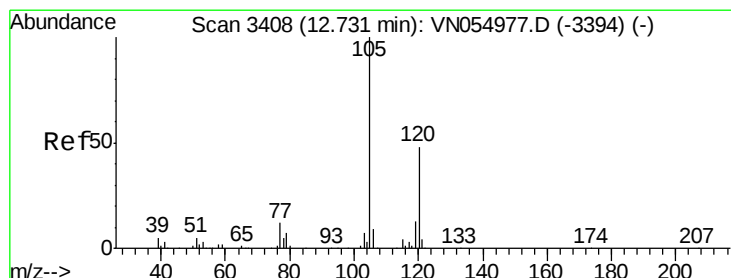
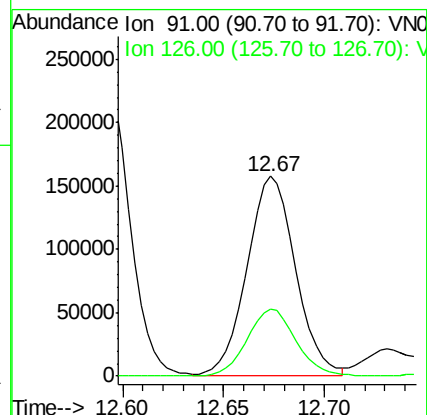
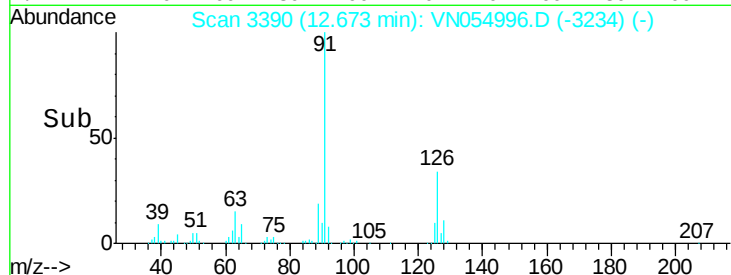
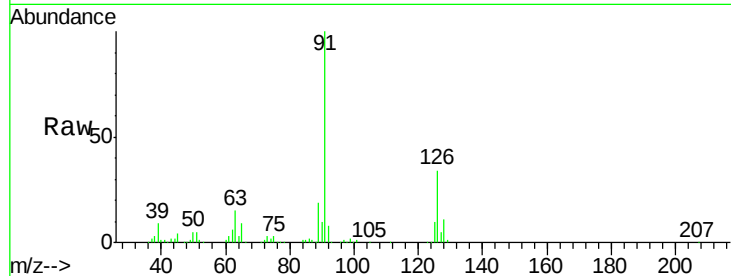
126 33.9 0.0 67.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.413 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054996.D

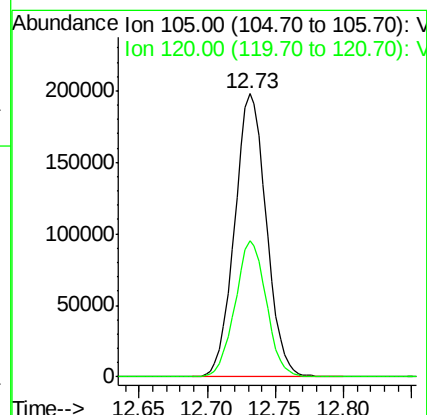
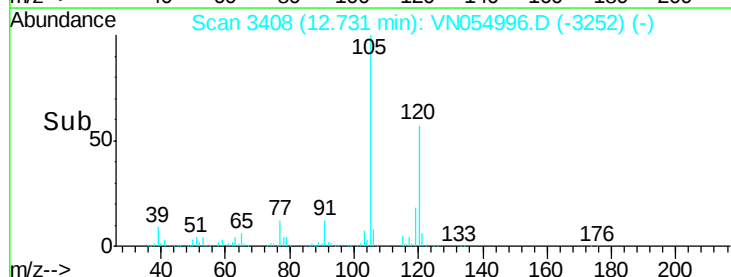
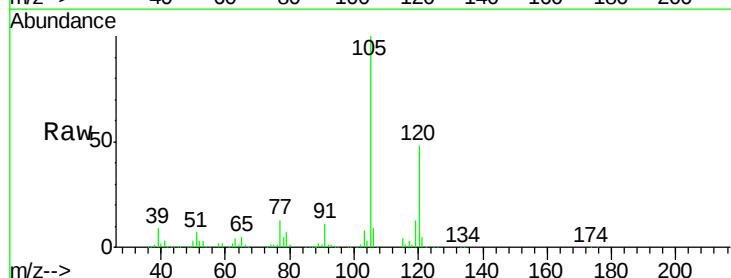
Acq: 12 Apr 2019 13:28

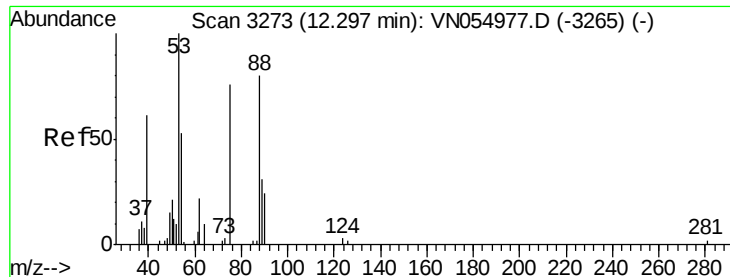
Tgt Ion: 105 Resp: 318315

Ion Ratio Lower Upper

105 100

120 47.6 0.0 94.8





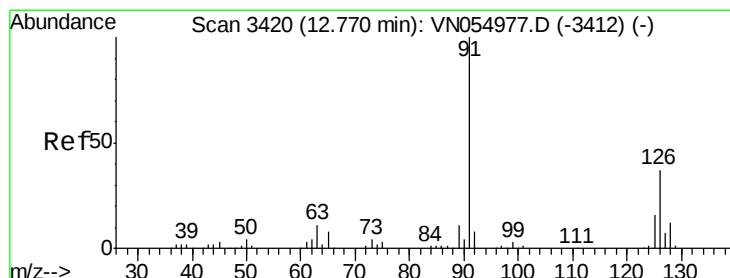
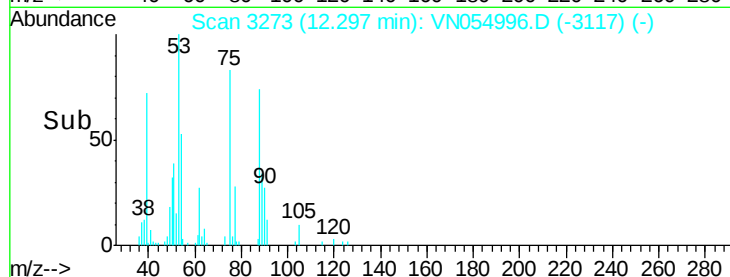
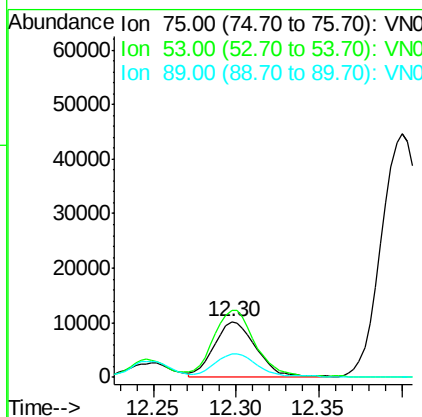
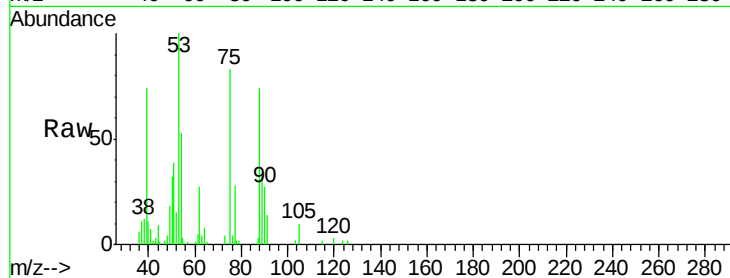
#77
t-1,4-Dichloro-2-butene
Concen: 19.734 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.8	64.3	192.7
89	41.9	21.6	65.0

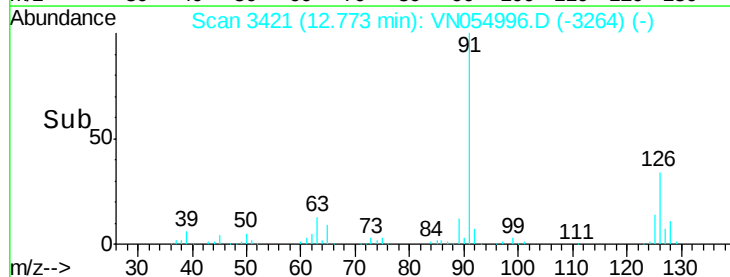
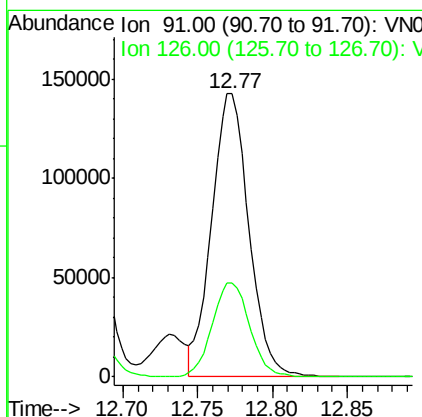
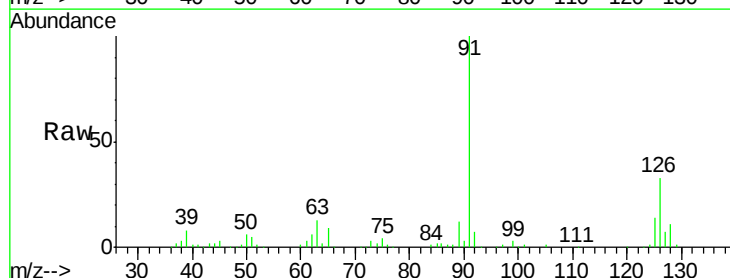
Manual Integrations
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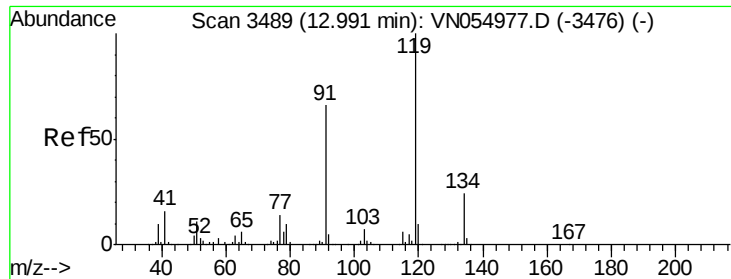
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.840 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	66.6





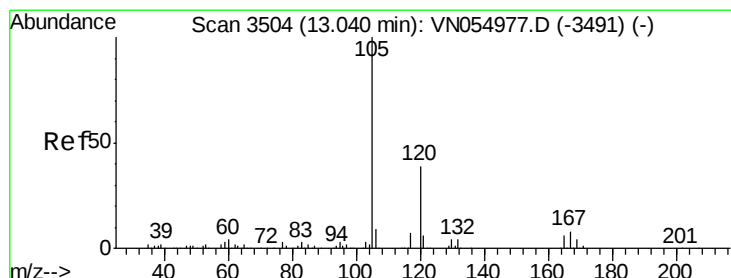
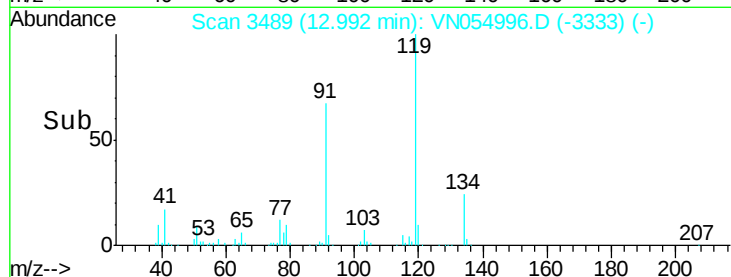
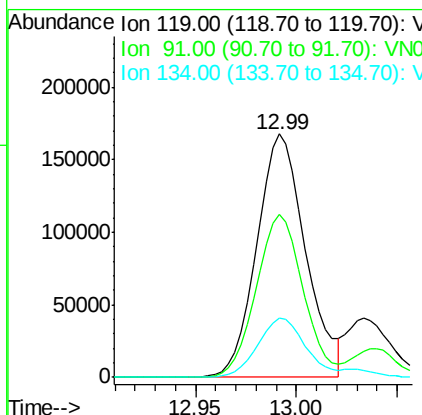
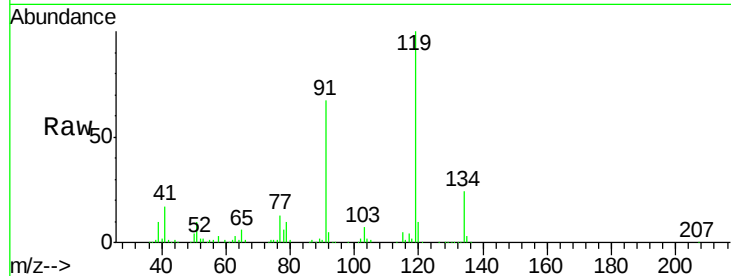
#79
tert-butylbenzene
Concen: 20.968 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282923		
91	64.4	0.0	132.6	
134	23.7	0.0	47.6	

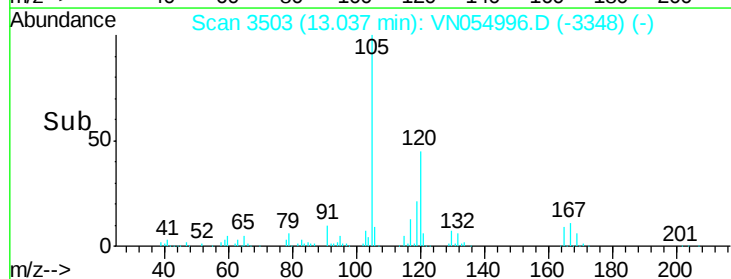
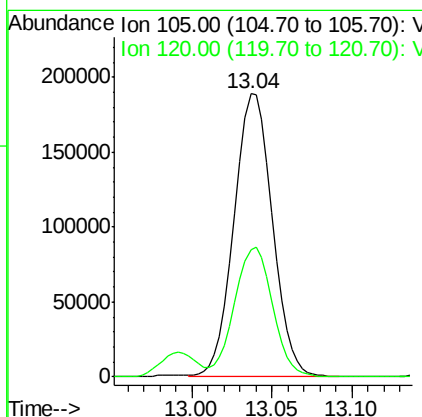
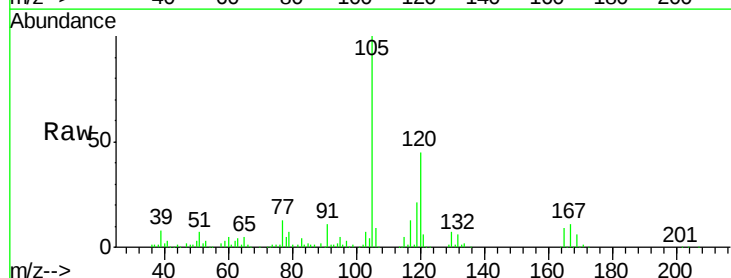
Manual Integrations
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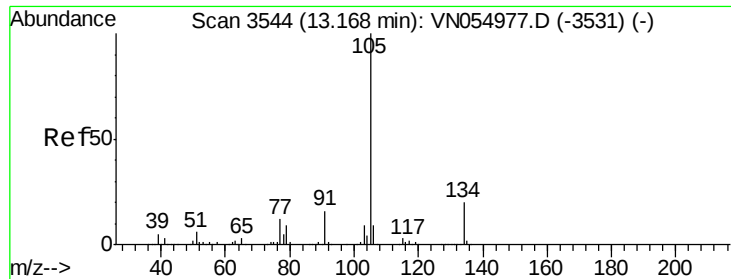
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#80
1,2,4-Trimethylbenzene
Concen: 20.226 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309839		
120	45.1	0.0	91.4	





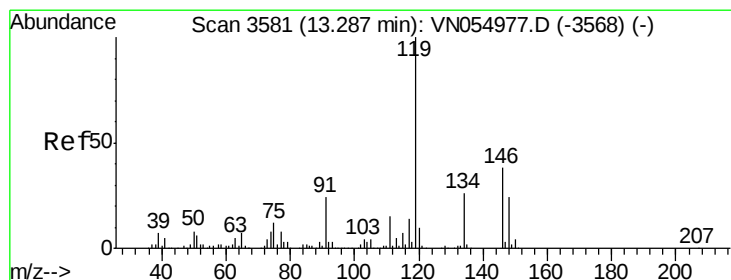
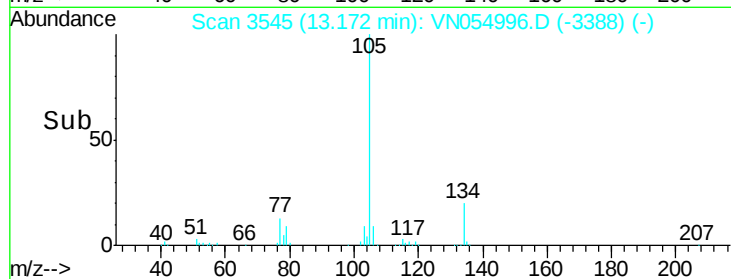
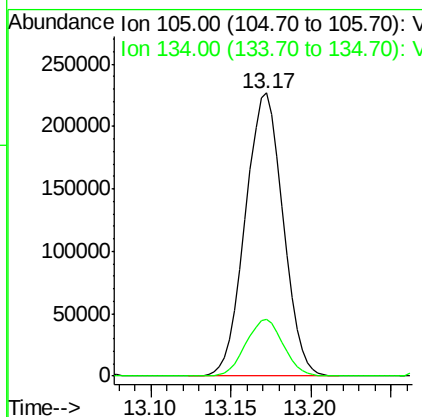
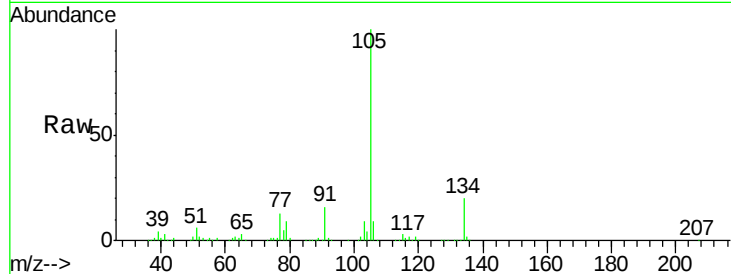
#81
 sec-Butylbenzene
 Concen: 20.221 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.0

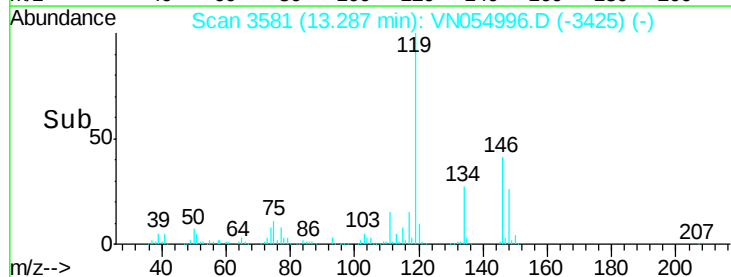
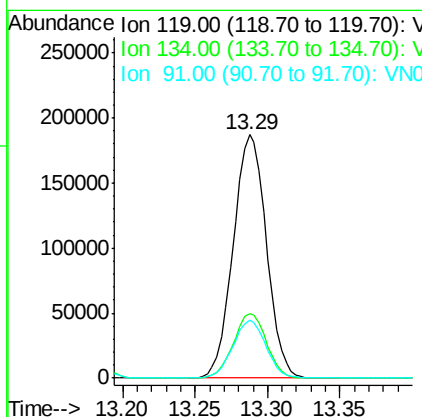
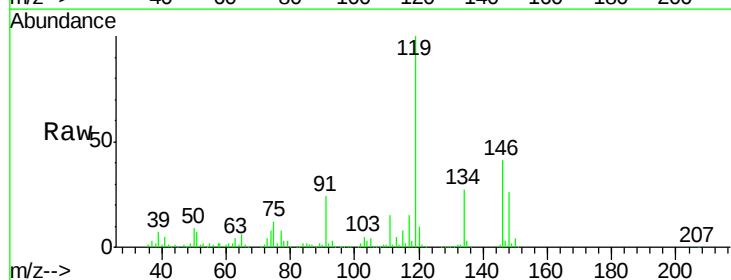
Manual Integrations
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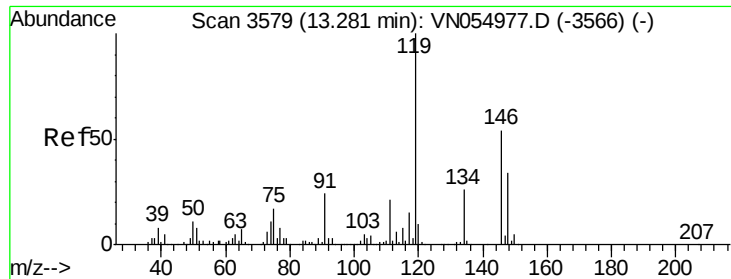
MMDadoda
 4/17/2019 9:37:03 AM



#82
 p-Isopropyltoluene
 Concen: 19.508 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	53.2
91	23.7	0.0	47.8





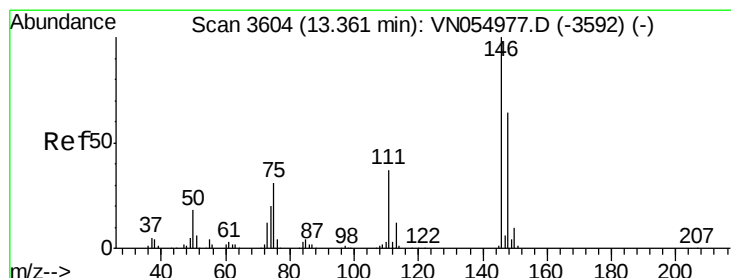
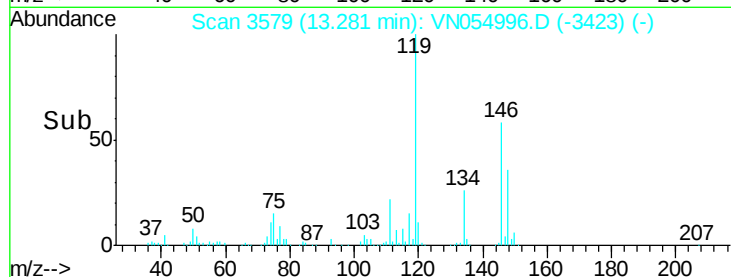
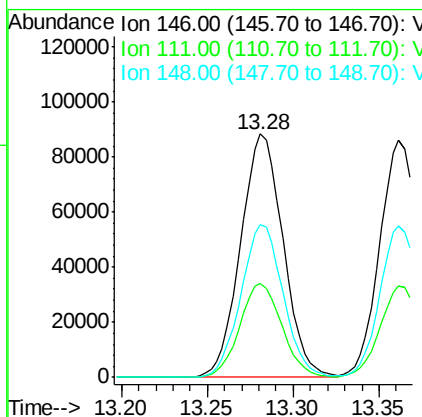
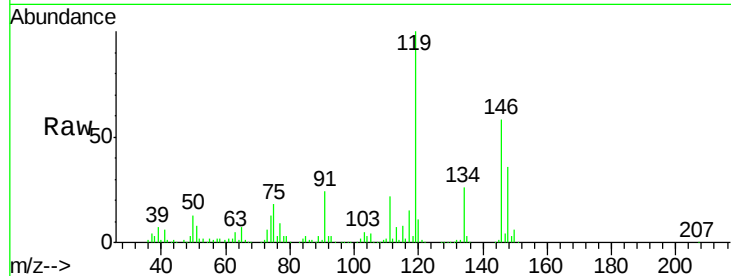
#83
 1,3-Dichlorobenzene
 Concen: 19.877 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	62.3	31.9	95.5

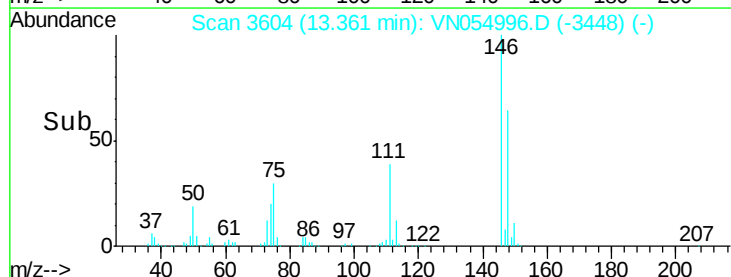
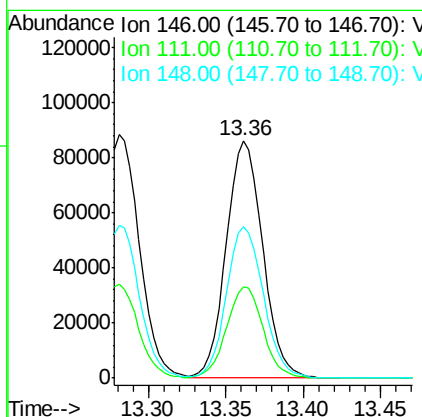
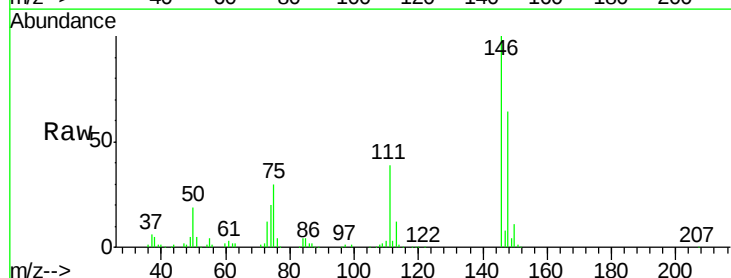
Manual Integrations
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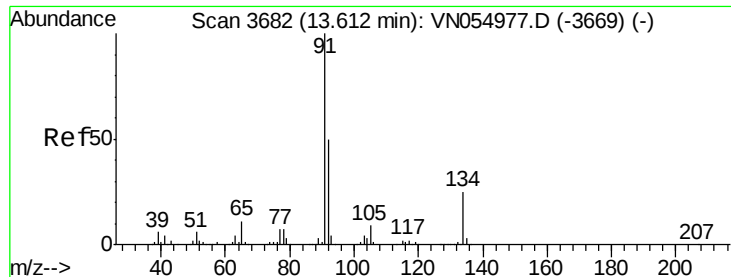
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.481 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.2
148	64.3	32.5	97.4





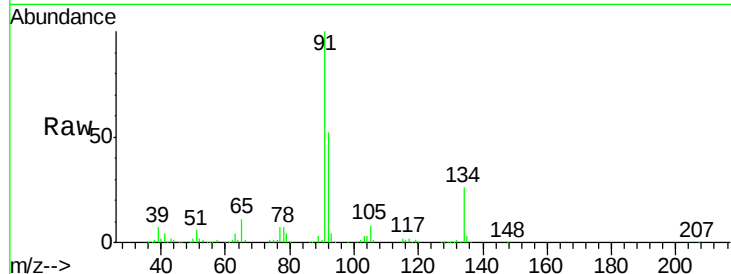
#85
n-Butylbenzene
Concen: 18.060 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	218899		
92	51.8	0.0	101.4	
134	25.7	0.0	49.8	

Manual Integrations
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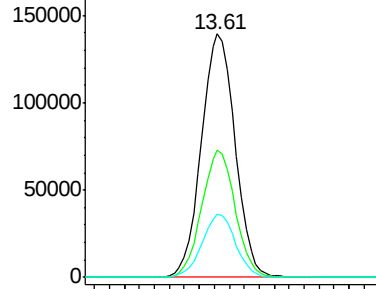
MMDadoda
4/17/2019 9:37:03 AM



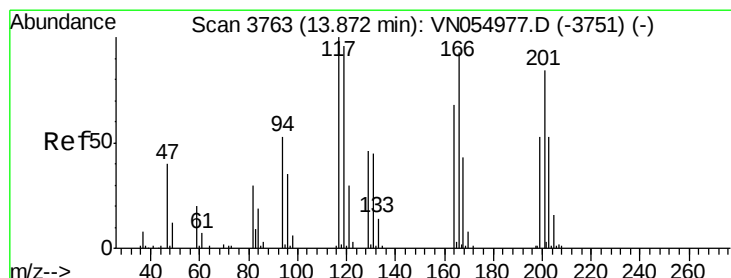
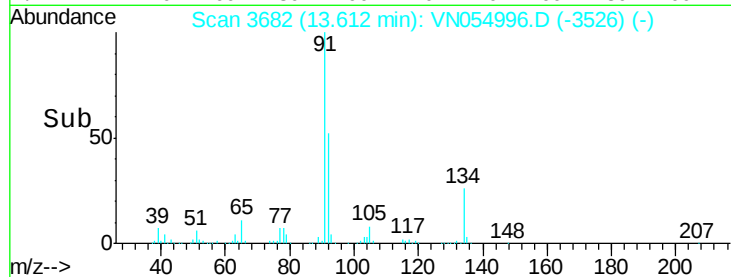
Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

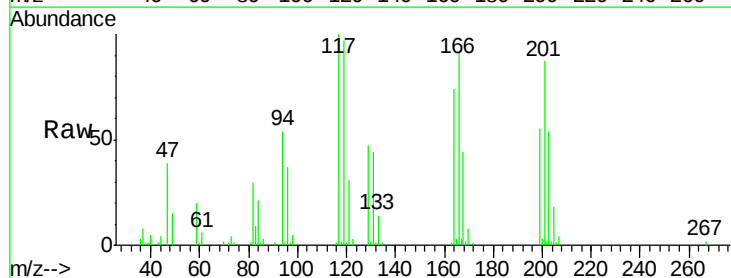


Time-->



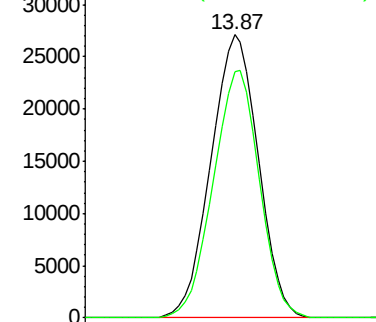
#86
Hexachloroethane
Concen: 18.962 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46187		
201	85.3	42.8	128.3	

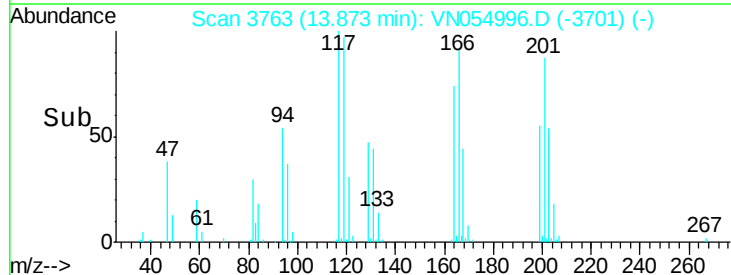


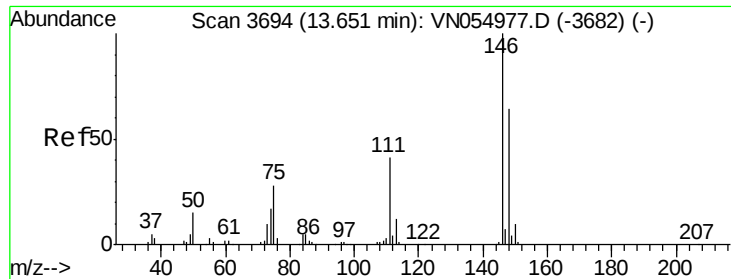
Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)



Time-->





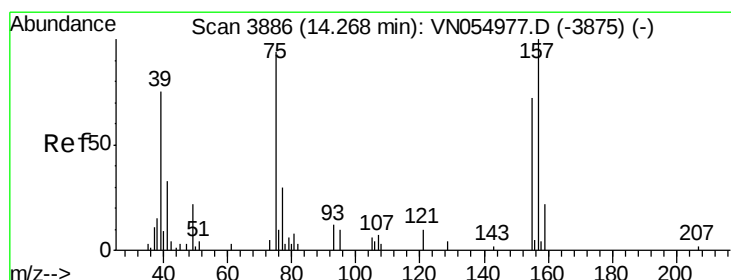
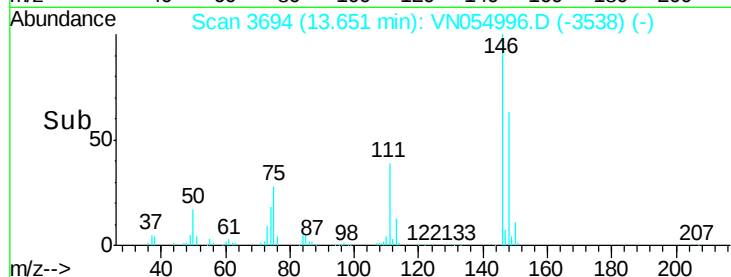
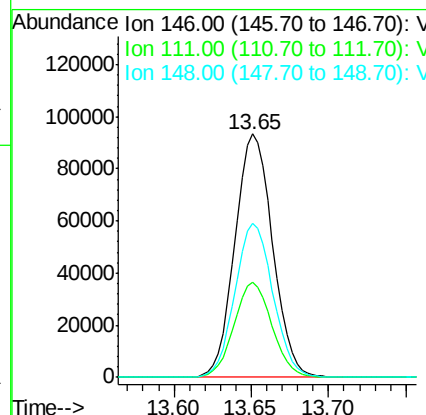
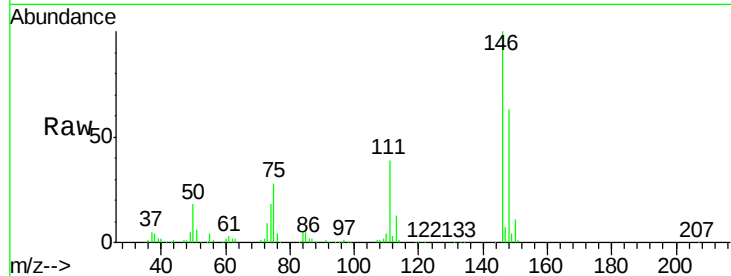
#87
 1,2-Dichlorobenzene
 Concen: 21.101 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.0	32.5	97.5

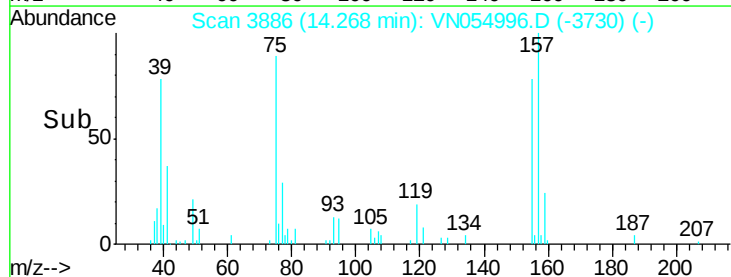
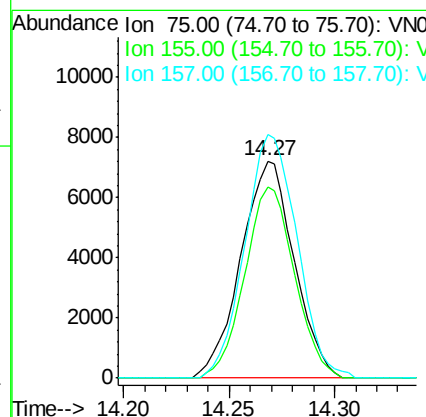
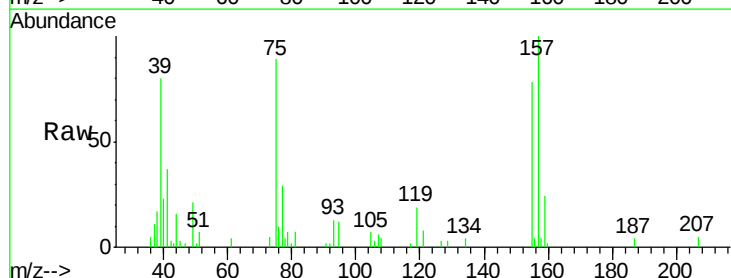
Manual Integrations
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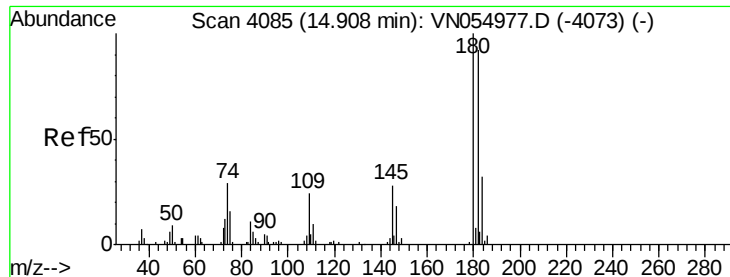
MMDadoda
 4/17/2019 9:37:03 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.631 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	61.8	92.8
157	109.7	82.7	124.1





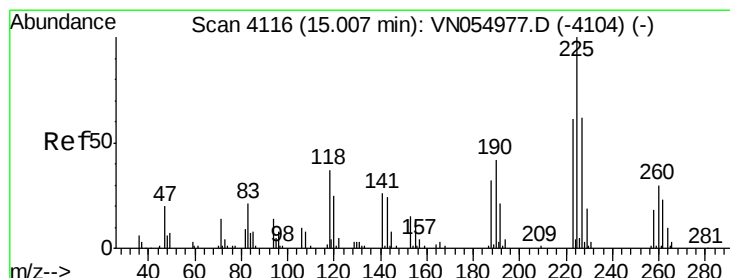
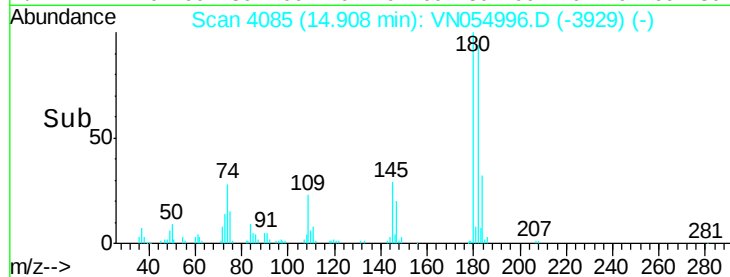
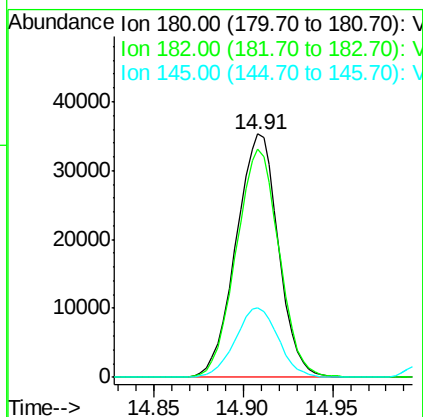
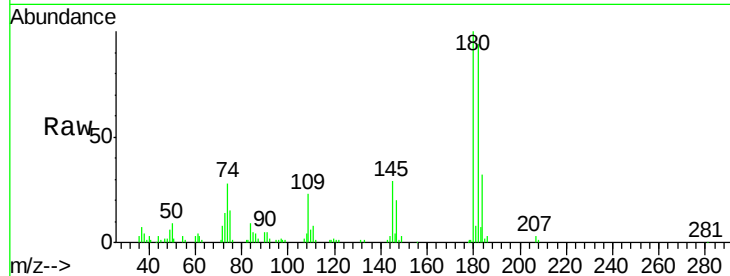
#89
 1,2,4-Trichlorobenzene
 Concen: 17.546 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	73.2	109.8
145	29.0	23.2	34.8

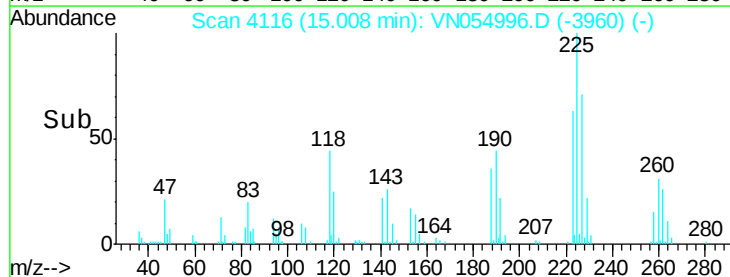
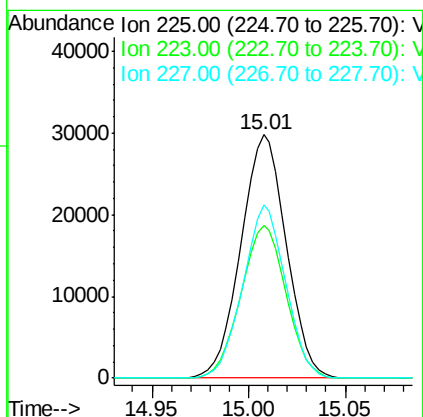
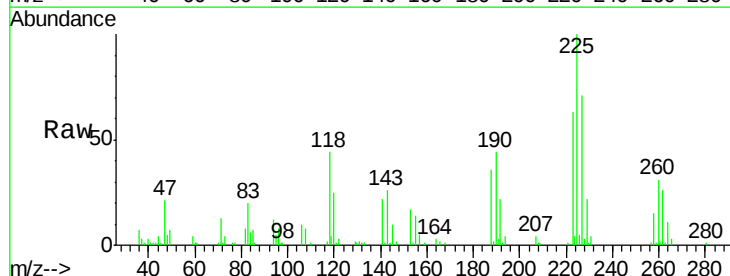
Manual Integrations
 APPROVED

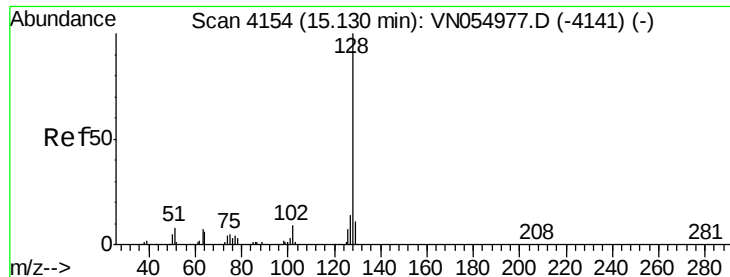
MMDadoda
 4/17/2019 9:37:03 AM



#90
 Hexachlorobutadiene
 Concen: 19.951 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054996.D
 Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	126.0
227	67.1	0.0	125.4





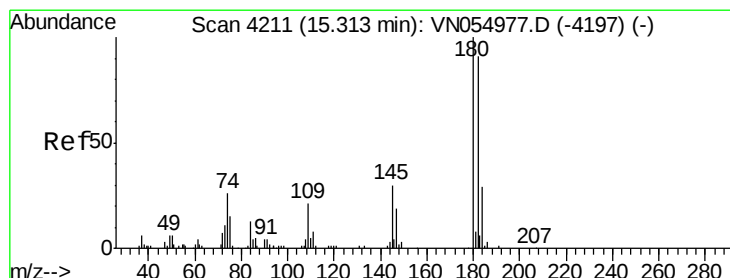
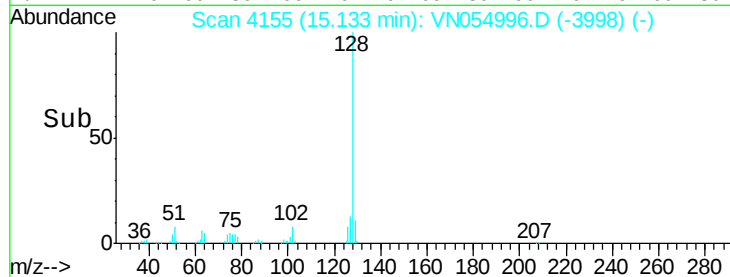
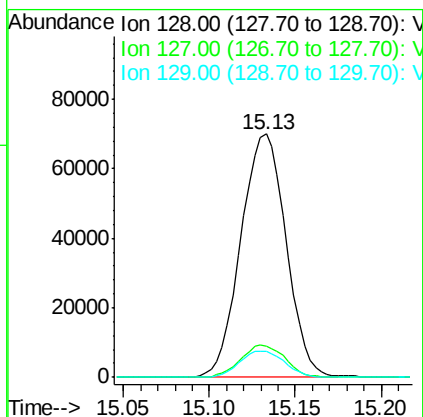
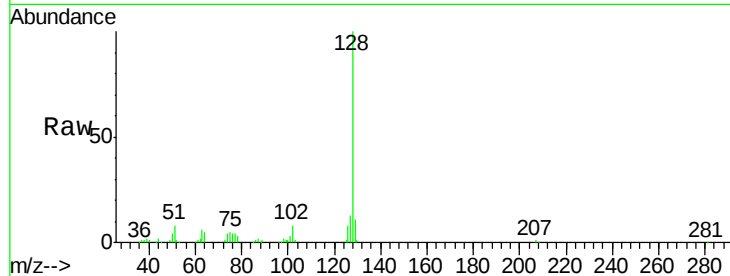
#91
Naphthalene
Concen: 18.232 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:37:03 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.723 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054996.D
Acq: 12 Apr 2019 13:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	0.0	188.2
145	31.8	0.0	61.2

