

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055068.D
 Acq On : 16 Apr 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:22:57 AM

Quant Time: Apr 17 01:44:20 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	73729	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	396290	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	352546	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	170029	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	12.40	95	161228	29.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.93%
63) Toluene-d8	10.09	98	506371	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	88085	20.314	ug/l 100
3) Chloromethane	2.06	50	121017	20.659	ug/l 96
4) Vinyl Chloride	2.19	62	104717	20.673	ug/l 99
5) Bromomethane	2.56	94	61514	20.994	ug/l 95
6) Chloroethane	2.70	64	57067	20.115	ug/l 99
7) Trichlorofluoromethane	3.02	101	131569	20.326	ug/l 95
8) Diethyl Ether	3.41	74	42624	20.509	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74201	20.970	ug/l 96
10) 1,1-Dichloroethene	3.73	96	64812	19.811	ug/l 96
11) Methyl Iodide	3.94	142	100575	20.315	ug/l 98
12) Methyl Acetate	4.33	43	96026	23.864	ug/l 95
13) Acrolein	3.60	56	34754	98.548	ug/l 99
14) Acrylonitrile	4.99	53	184797	112.095	ug/l 97
15) Acetone	3.82	58	56954	139.613	ug/l 100
16) Carbon Disulfide	4.04	76	217187	19.792	ug/l 99
17) Allyl chloride	4.31	41	170274	21.135	ug/l 98
18) Methylene Chloride	4.54	84	101946	21.082	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	88381	20.753	ug/l 97
20) Diisopropyl ether	5.96	45	342552	20.989	ug/l 98
21) 1,1-Dichloroethane	5.84	63	182562	20.943	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	101015	20.407	ug/l 97
23) tert-Butyl Alcohol	4.82	59	30221	114.967	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	244178	22.229	ug/l # 66
25) Chloroform	7.37	83	174886	20.944	ug/l 99
26) Cyclohexane	7.65	56	162814	20.130	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	131593	21.322	ug/l 99
30) 2-Butanone	6.84	43	266525	130.097	ug/l 99
31) 2,2-Dichloropropane	6.82	77	124218	21.868	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	142069	21.778	ug/l 98
33) Carbon Tetrachloride	7.77	117	119741	21.201	ug/l 99
34) Benzene	8.04	78	390339	21.342	ug/l 98
35) Methacrylonitrile	7.18	41	56141	23.250	ug/l 94
36) 1,2-Dichloroethane	8.12	62	134017	21.440	ug/l 100
37) Trichloroethene	8.83	130	99329	21.304	ug/l 94
38) Methylcyclohexane	9.08	83	140870	19.682	ug/l 99
39) 1,2-Dichloropropane	9.12	63	109738	21.730	ug/l 99
40) Dibromomethane	9.21	93	62436	21.873	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	124708	21.168	ug/l	99
42) Vinyl Acetate	5.90	43	1152987	111.324	ug/l	100
43) Ethyl Acetate	6.94	43	86893	20.820	ug/l #	67
44) Isopropyl Acetate	8.17	43	159594	22.564	ug/l	100
45) 1,4-Dioxane	9.20	88	17726	452.370	ug/l #	79
46) Methyl methacrylate	9.20	41	79576	21.749	ug/l	97
47) n-amyl Acetate	12.07	43	120469	23.125	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	114744	21.210	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	140633	21.057	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	84294	21.742	ug/l	97
51) Ethyl methacrylate	10.43	69	100119	21.663	ug/l	99
52) 1,3-Dichloropropane	10.71	76	150756	22.191	ug/l	99
53) Dibromochloromethane	10.90	129	83156	20.822	ug/l	99
54) 1,2-Dibromoethane	11.00	107	78817	21.654	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	189478	98.067	ug/l	99
56) Bromoform	12.12	173	50544	20.142	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	465469	114.490	ug/l	98
59) 2-Hexanone	10.75	43	322539	124.881	ug/l	100
61) Tetrachloroethene	10.63	164	95867	20.895	ug/l	97
62) Toluene	10.16	91	407931	21.000	ug/l	99
64) Chlorobenzene	11.43	112	240684	20.524	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	91562	21.953	ug/l	98
66) Ethyl Benzene	11.51	91	434535	20.868	ug/l	98
67) m/p-Xylenes	11.62	106	328633	42.459	ug/l	97
68) o-Xylene	11.95	106	162774	21.281	ug/l	98
69) Styrene	11.96	104	248003	20.880	ug/l	99
70) Isopropylbenzene	12.25	105	427369	20.897	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104823	22.410	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	82674m	21.402	ug/l	
73) Bromobenzene	12.53	156	99066	20.494	ug/l	97
74) n-propylbenzene	12.59	91	473904	20.699	ug/l	100
75) 2-Chlorotoluene	12.67	91	291415	21.104	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	344060	20.809	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	20120	20.664	ug/l	92
78) 4-Chlorotoluene	12.77	91	272689	20.726	ug/l	99
79) tert-butylbenzene	12.99	119	301884	21.102	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	340099	20.939	ug/l	99
81) sec-Butylbenzene	13.17	105	391728	20.493	ug/l	100
82) p-Isopropyltoluene	13.29	119	330638	20.495	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	166877	20.636	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	156750	20.398	ug/l	98
85) n-Butylbenzene	13.61	91	244481	19.024	ug/l	98
86) Hexachloroethane	13.87	117	51755	20.040	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	167148	21.106	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12874	20.709	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	64705	18.275	ug/l	95
90) Hexachlorobutadiene	15.01	225	55125	21.354	ug/l	98
91) Naphthalene	15.13	128	140981	19.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	70552	19.924	ug/l	98

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ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC020

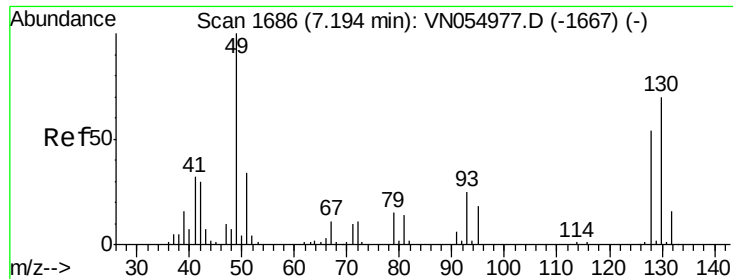
Manual Integrations
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4/17/2019 4:22:57 AM

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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



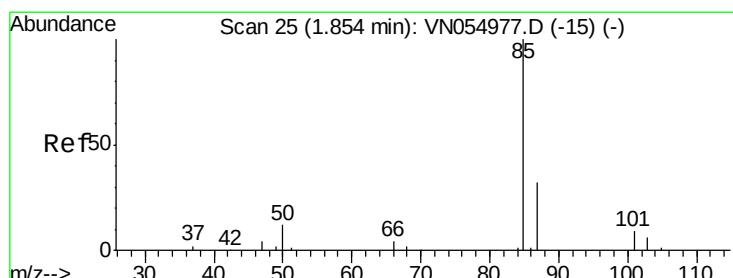
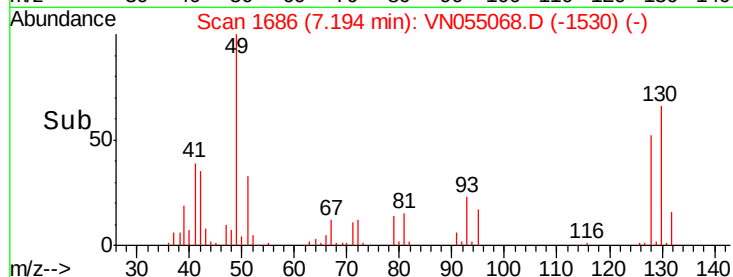
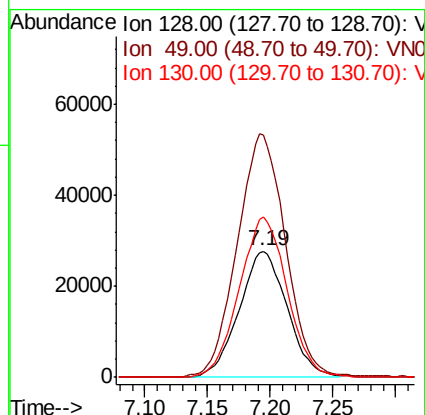
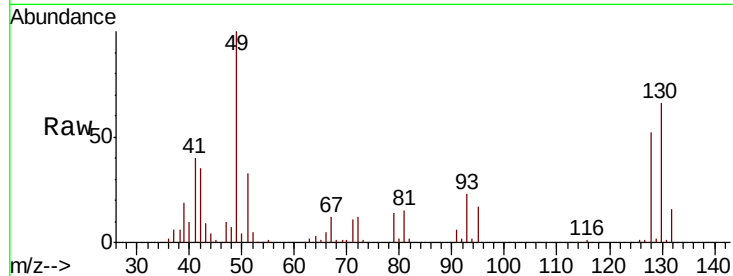
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	194.0	0.0	480.3
130	126.7	0.0	322.2

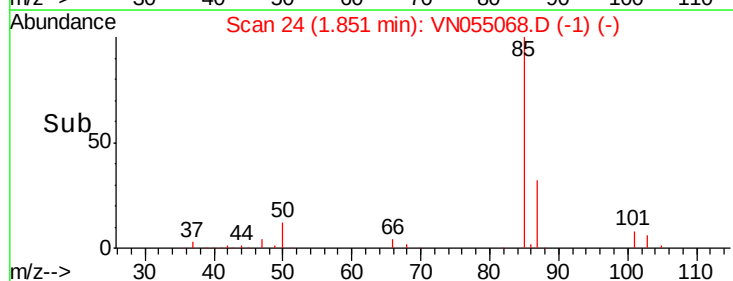
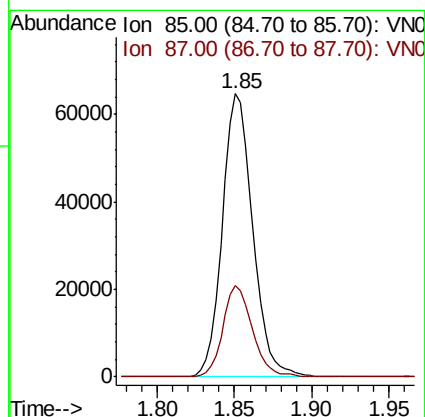
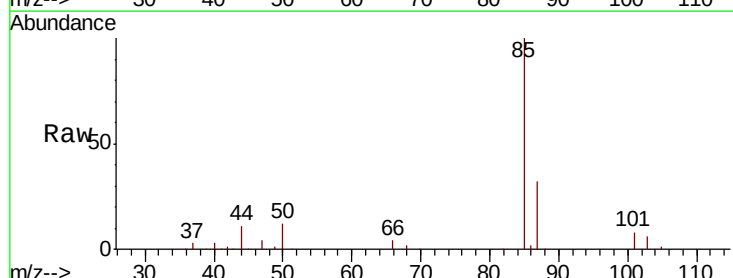
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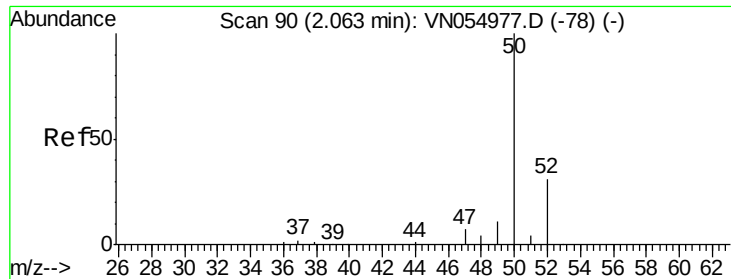
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#2
Dichlorodifluoromethane
Concen: 20.314 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.3





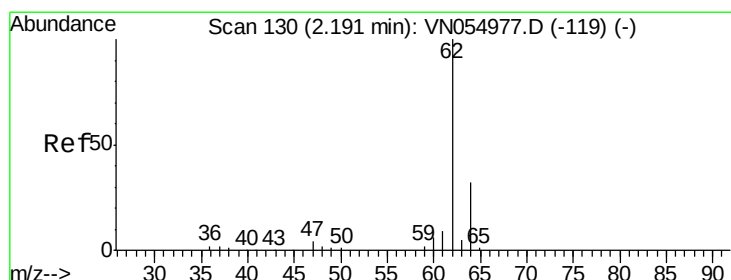
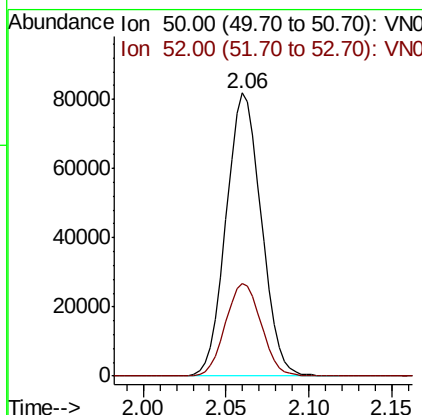
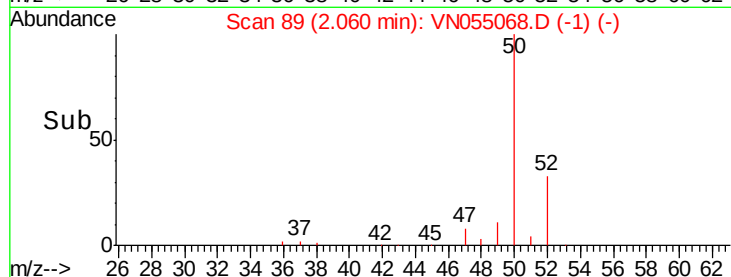
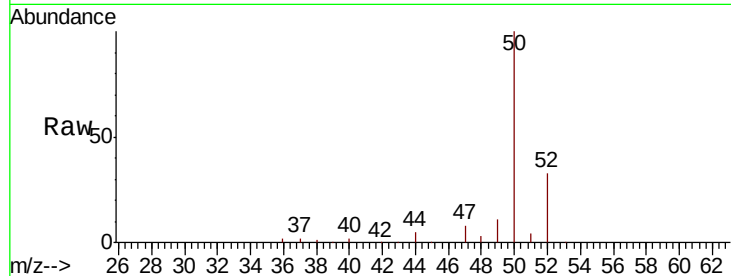
#3
 Chloromethane
 Concen: 20.659 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.5	36.7

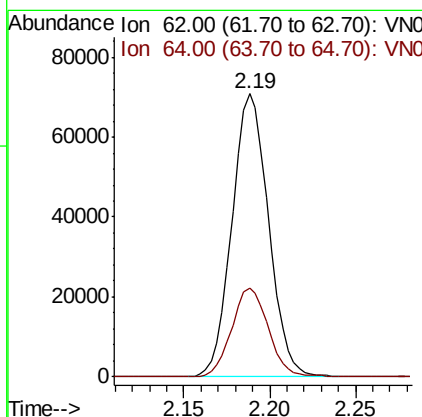
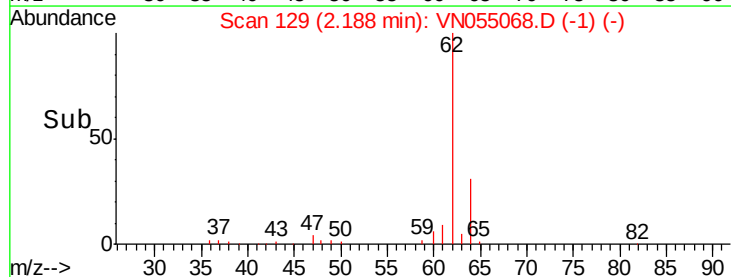
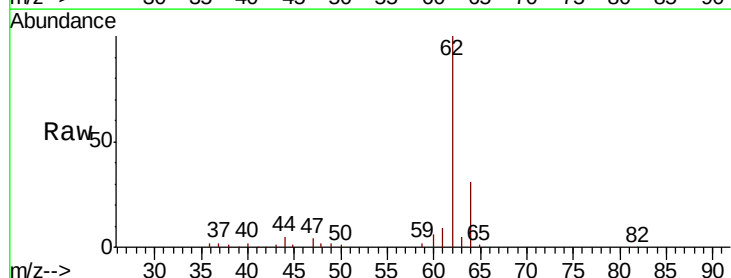
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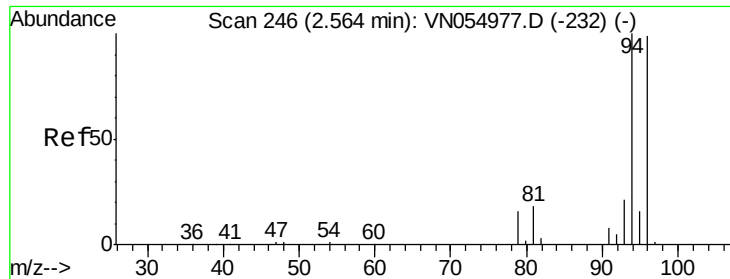
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#4
 Vinyl Chloride
 Concen: 20.673 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.6	38.4





#5

Bromomethane

Concen: 20.994 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 61514

Ion Ratio Lower Upper

94 100

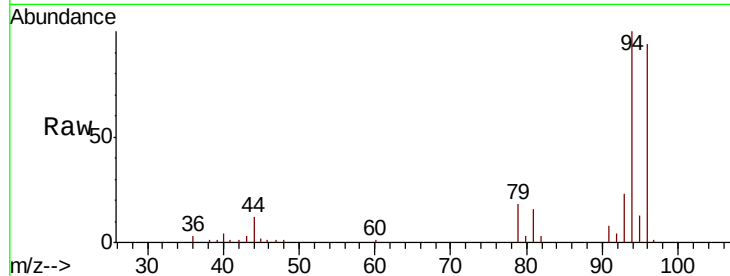
96 94.2 79.1 118.7

Manual Integrations

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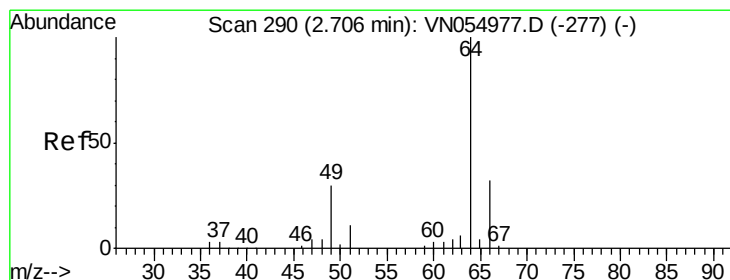
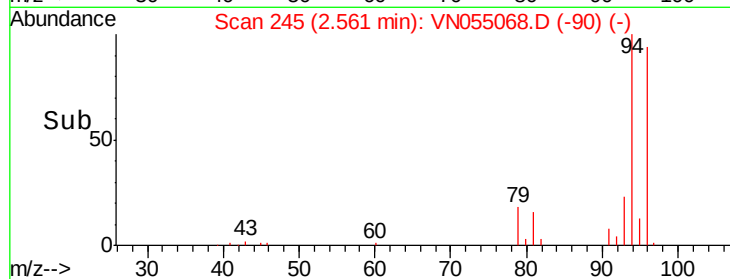
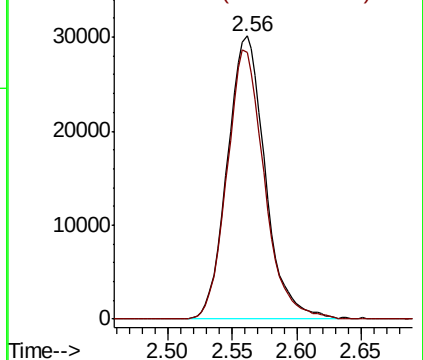
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.115 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055068.D

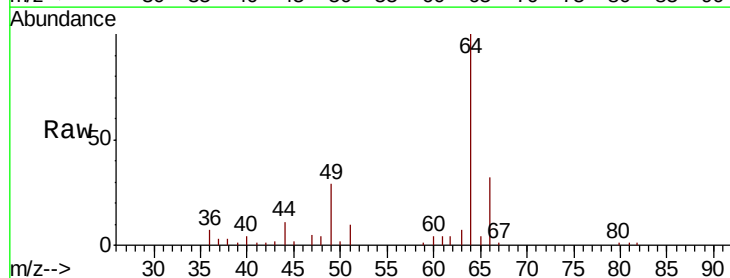
Acq: 16 Apr 2019 10:08

Tgt Ion: 64 Resp: 57067

Ion Ratio Lower Upper

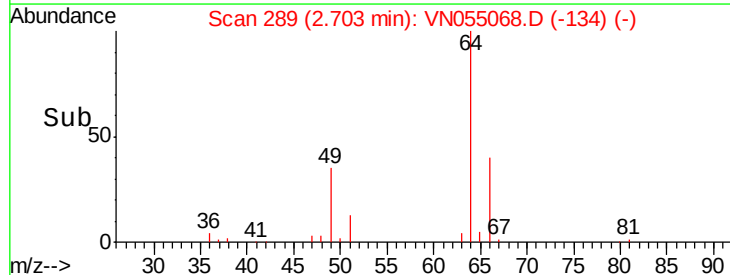
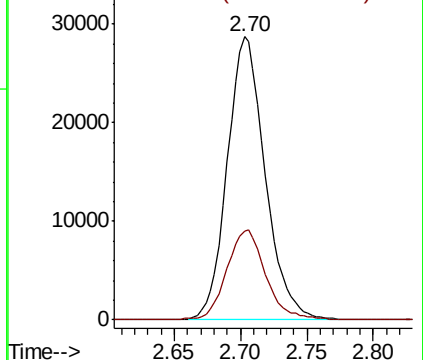
64 100

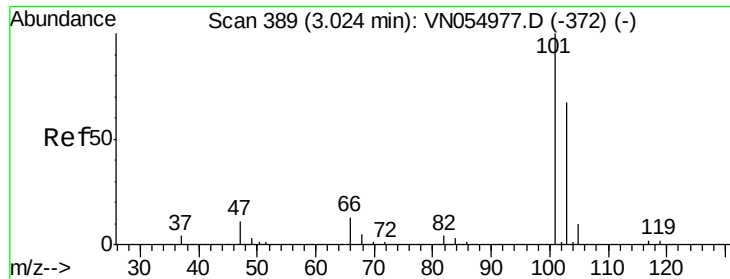
66 31.6 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

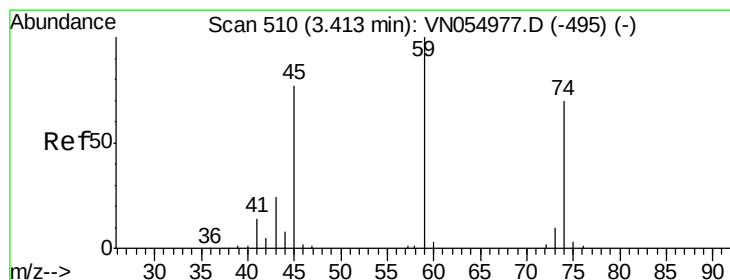
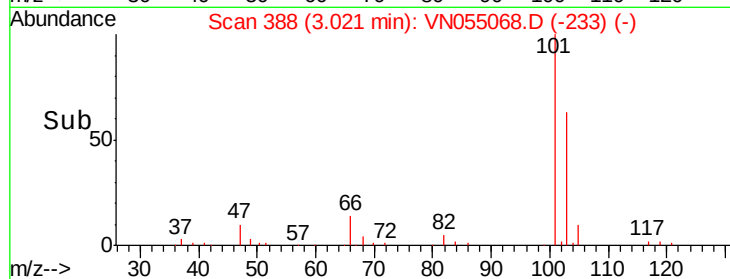
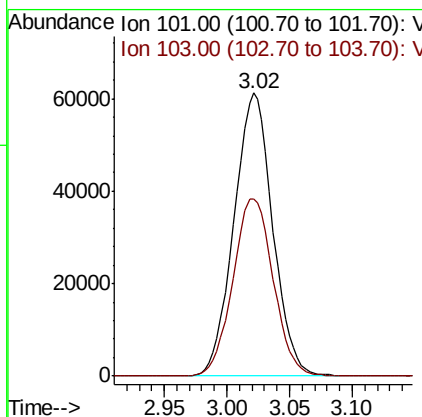
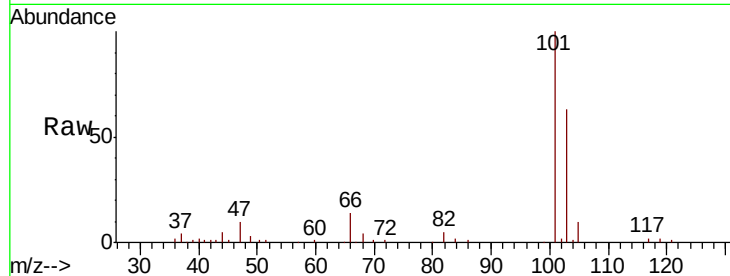
Trichlorofluoromethane
 Concen: 20.326 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	53.4	80.0

Manual Integrations
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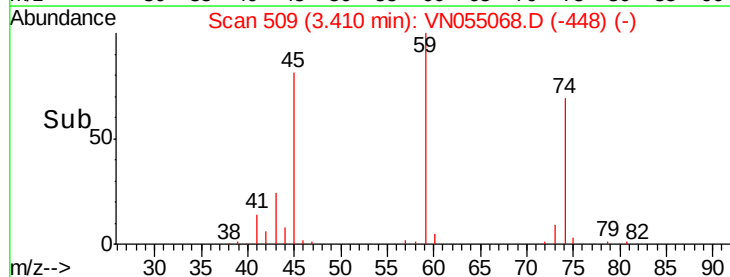
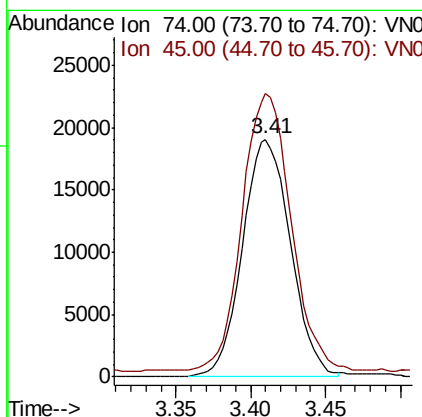
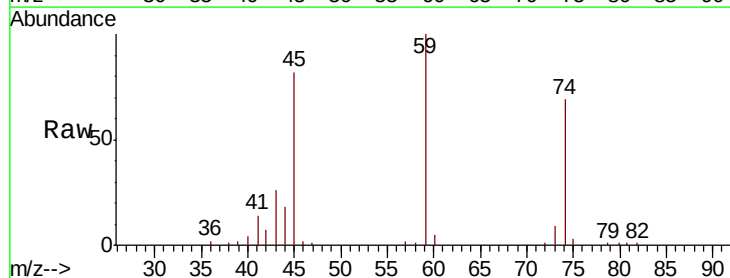
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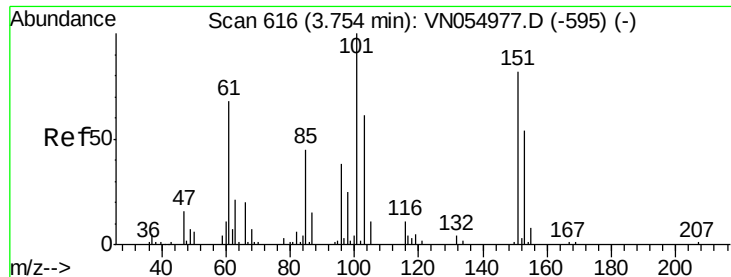


#8

Diethyl Ether
 Concen: 20.509 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.7	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.970 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

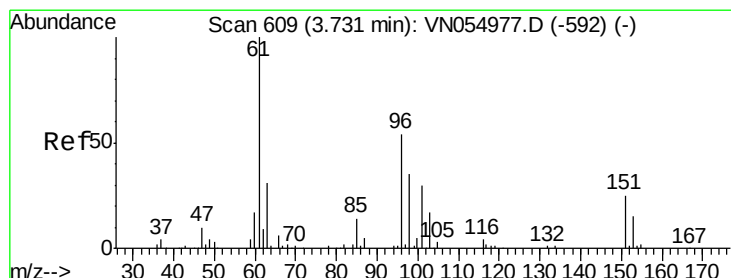
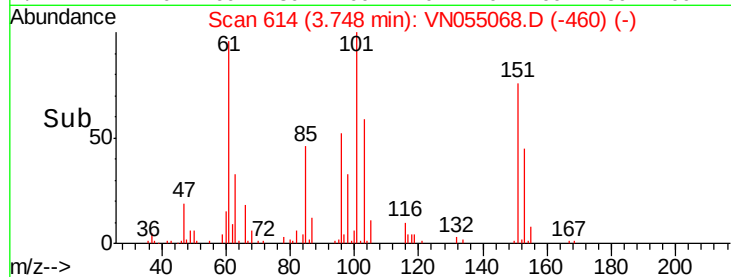
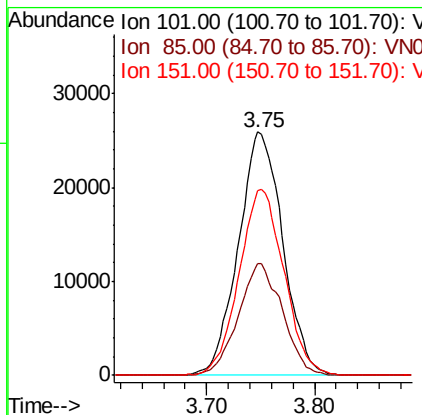
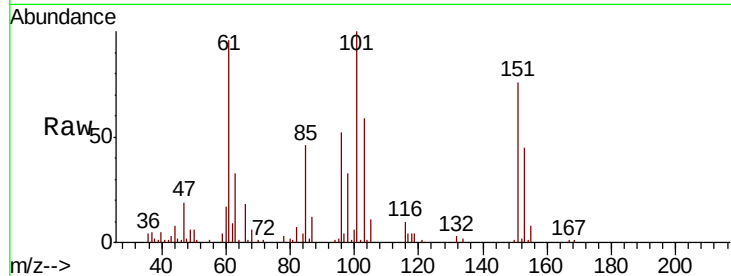
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	74201
Ion Ratio	Lower	Upper	
101	100		
85	45.5	0.0	91.4
151	77.2	0.0	165.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.811 ug/l

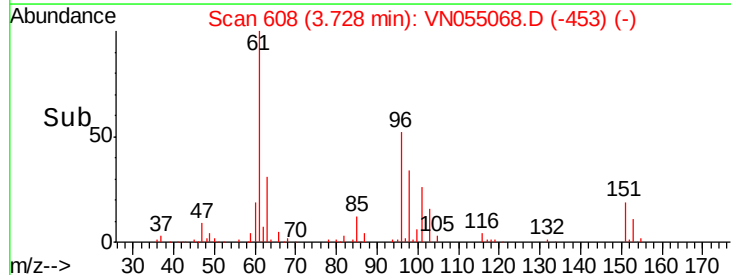
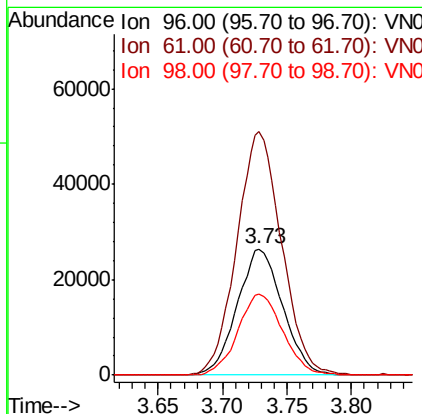
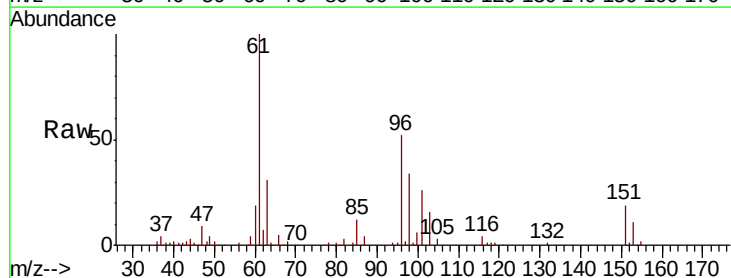
RT: 3.73 min Scan# 608

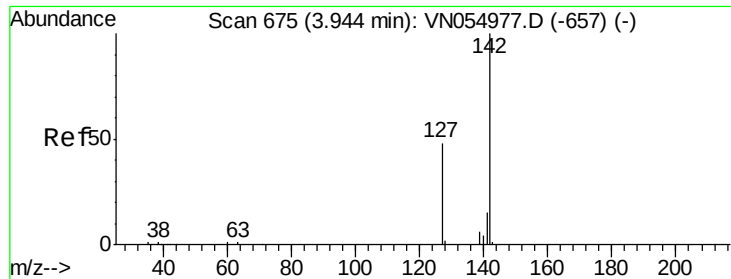
Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion:	96	Resp:	64812
Ion Ratio	Lower	Upper	
96	100		
61	192.3	148.4	222.6
98	64.7	52.2	78.2





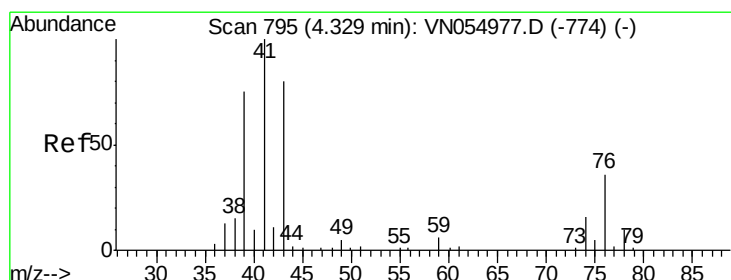
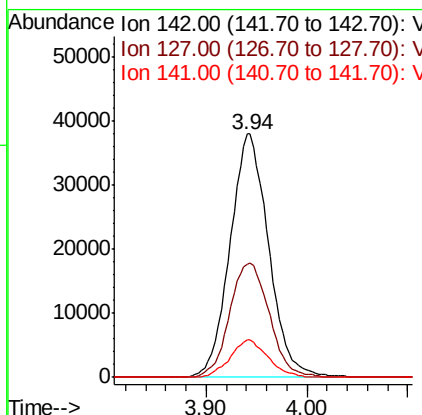
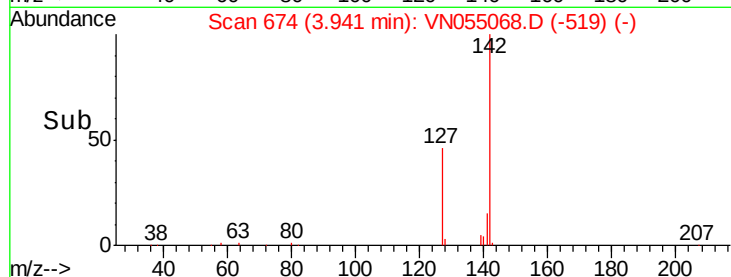
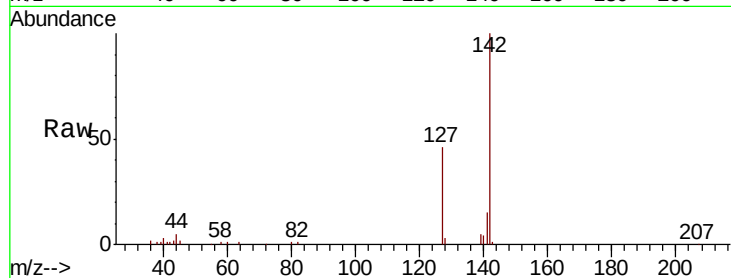
#11
Methyl Iodide
Concen: 20.315 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	23.8	71.5
141	15.4	7.3	22.0

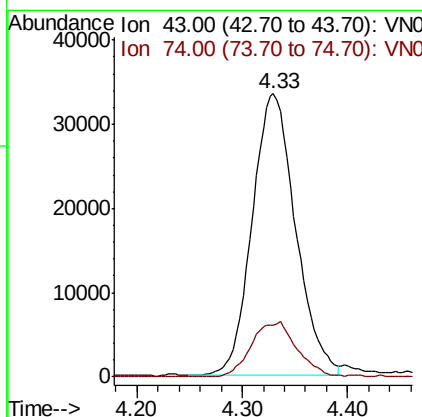
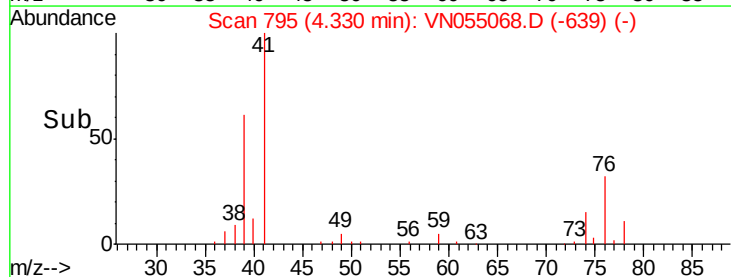
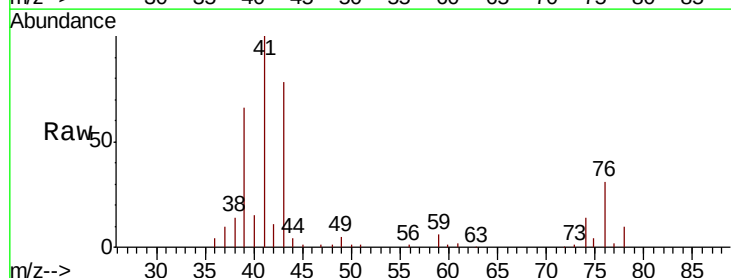
Manual Integrations
APPROVED

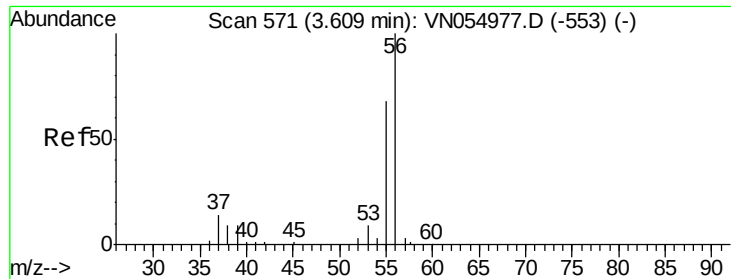
MMDadoda
4/17/2019 4:22:57 AM



#12
Methyl Acetate
Concen: 23.864 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	16.2	24.4





#13

Acrolein

Concen: 98.548 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 34754

Ion Ratio Lower Upper

56 100

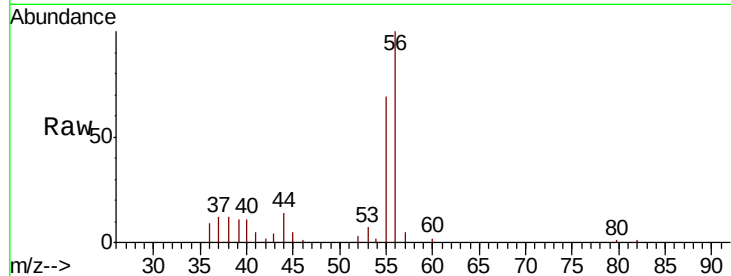
55 70.7 57.0 85.4

Manual Integrations

APPROVED

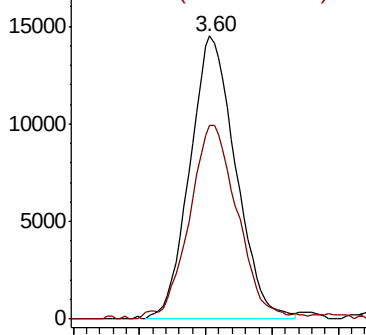
MMDadoda

4/17/2019 4:22:57 AM

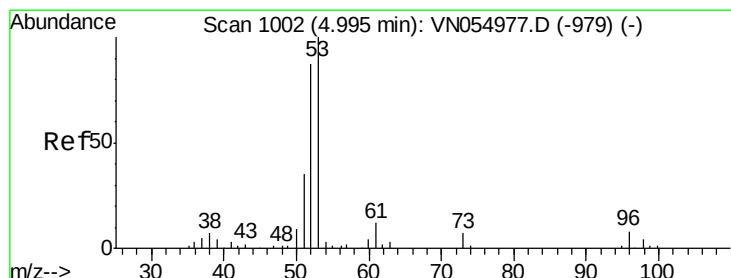
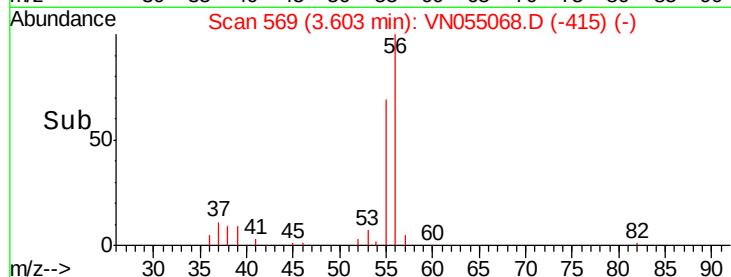


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 112.095 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

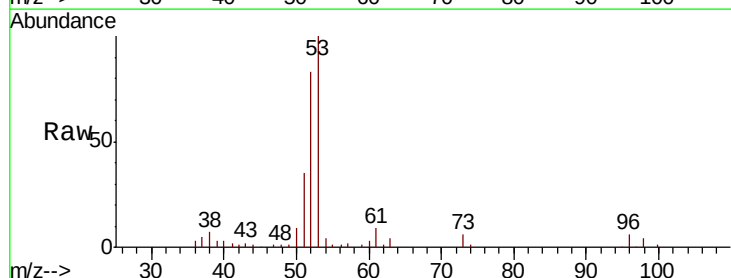
Tgt Ion: 53 Resp: 184797

Ion Ratio Lower Upper

53 100

52 81.4 42.3 126.8

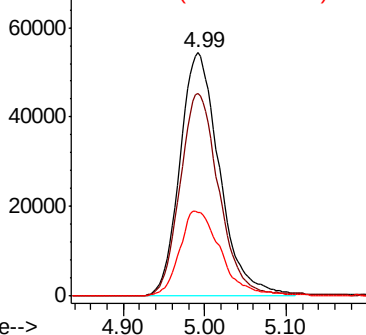
51 36.2 18.6 56.0



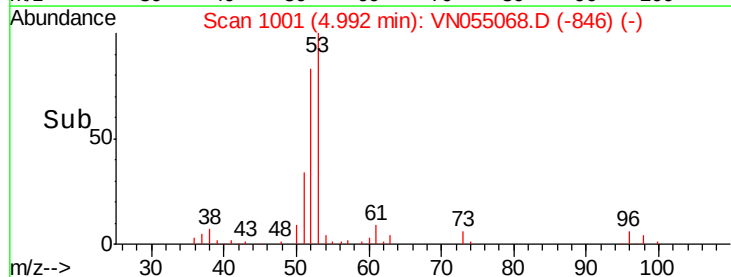
Abundance Ion 53.00 (52.70 to 53.70): VN0

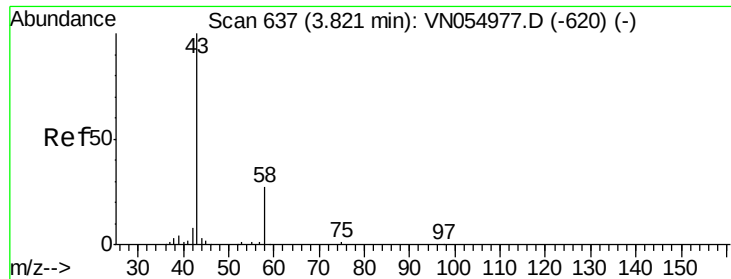
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time--> 4.90 5.00 5.10





#15

Acetone

Concen: 139.613 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 56954

Ion Ratio Lower Upper

58 100

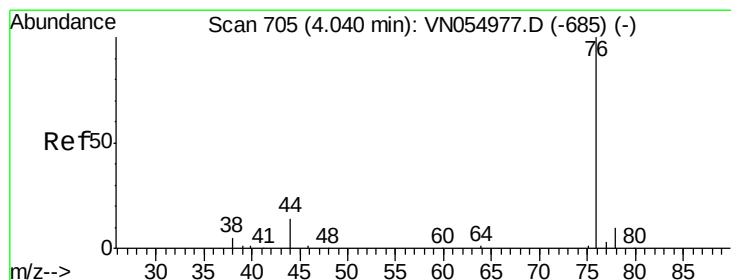
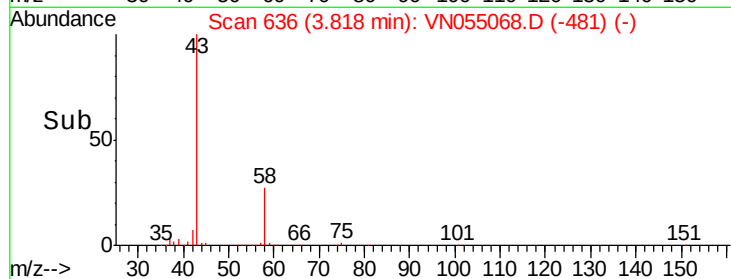
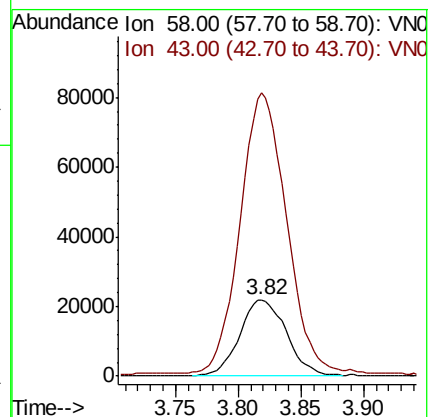
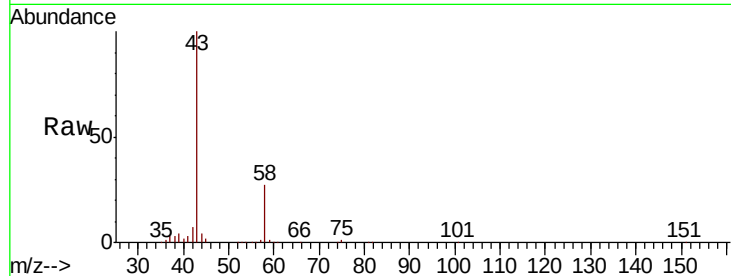
43 370.7 297.2 445.8

Manual Integrations

APPROVED

MMDadoda

4/17/2019 4:22:57 AM



#16

Carbon Disulfide

Concen: 19.792 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055068.D

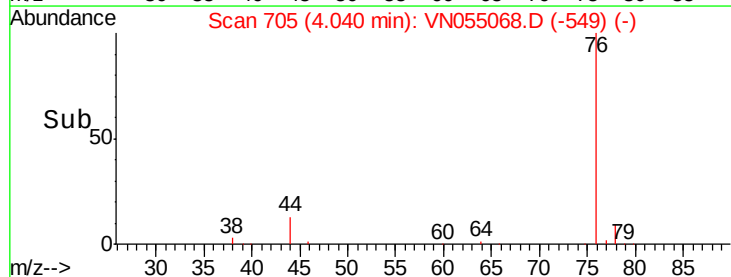
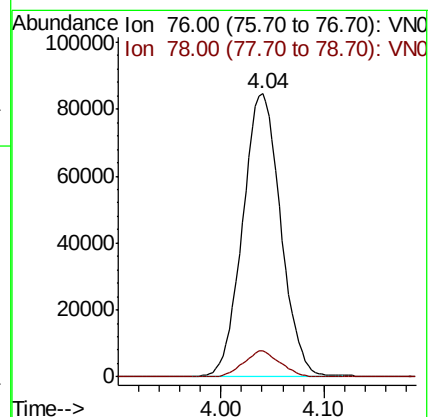
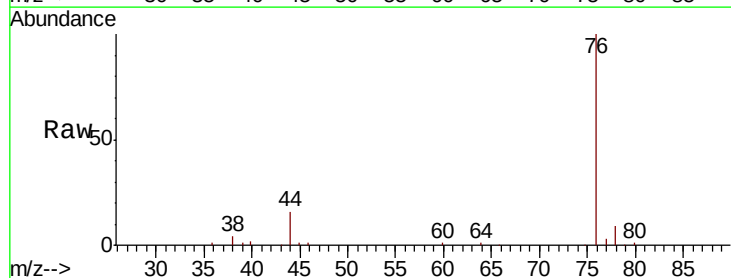
Acq: 16 Apr 2019 10:08

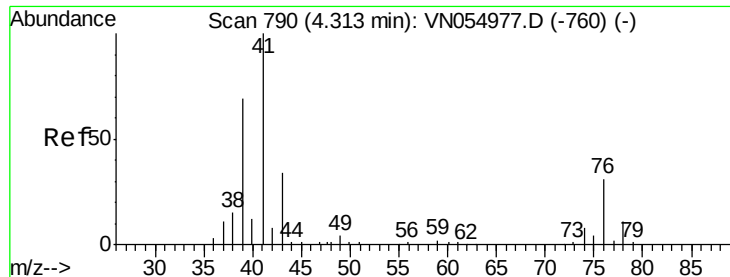
Tgt Ion: 76 Resp: 217187

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6





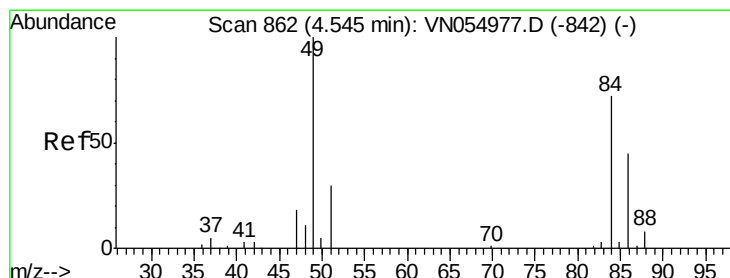
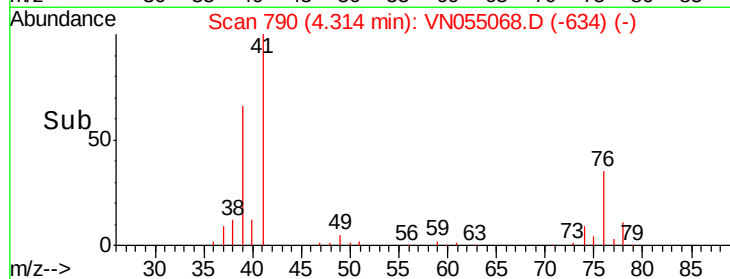
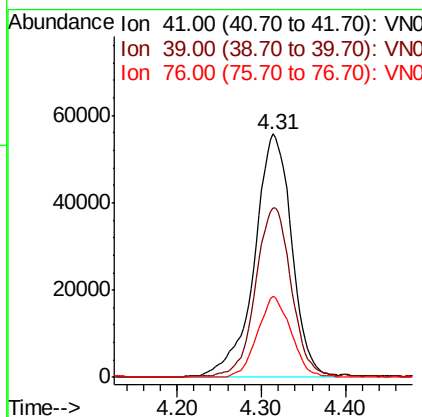
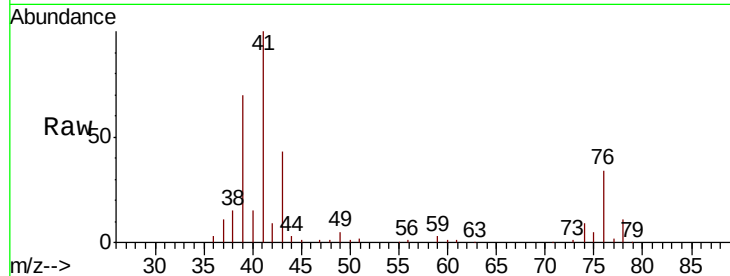
#17
Allvl chloride
Concen: 21.135 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	34.3	102.9
76	33.4	15.8	47.3

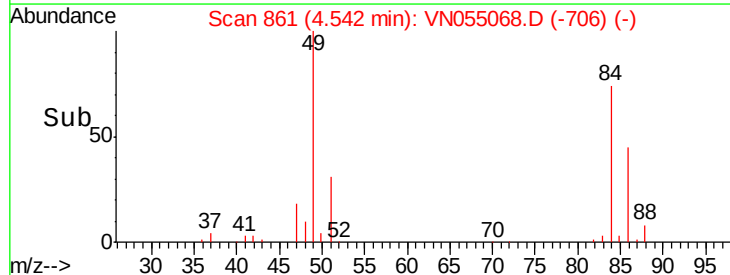
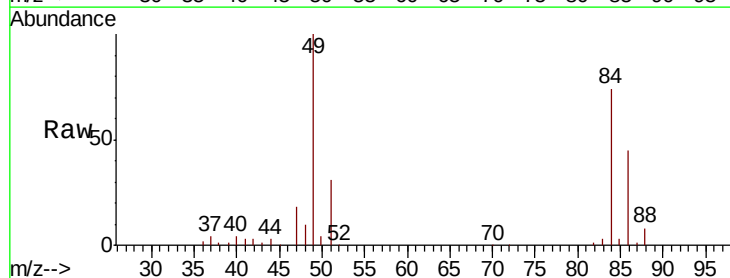
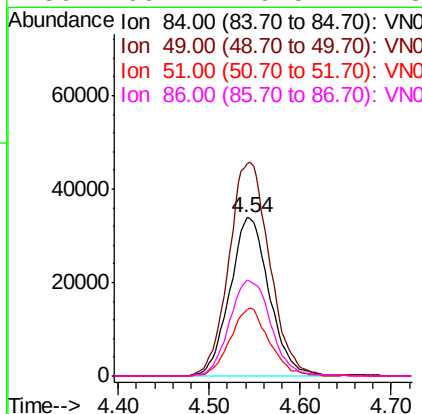
Manual Integrations
APPROVED

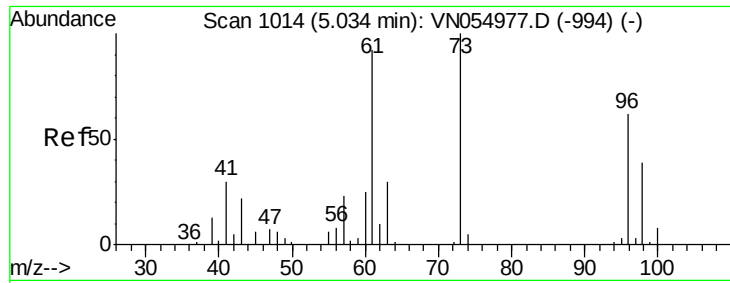
MMDadoda
4/17/2019 4:22:57 AM



#18
Methylene Chloride
Concen: 21.082 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.6	111.0	166.4
51	41.9	33.4	50.2
86	60.7	49.5	74.3





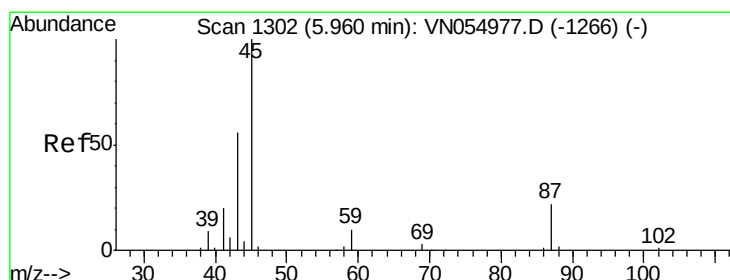
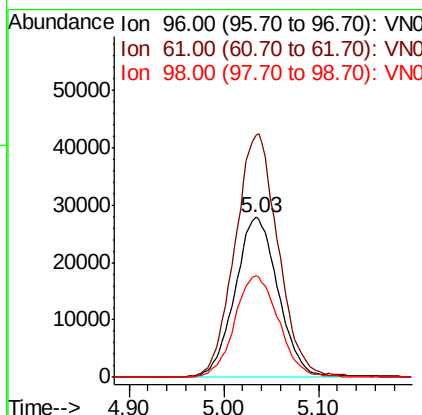
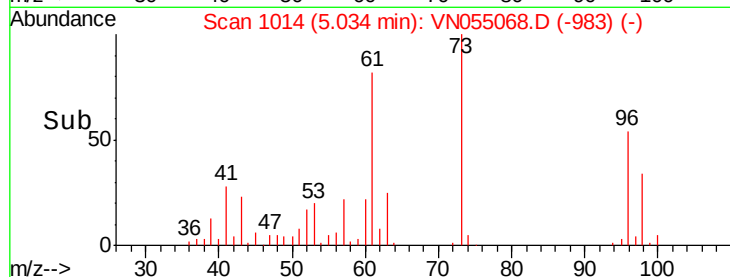
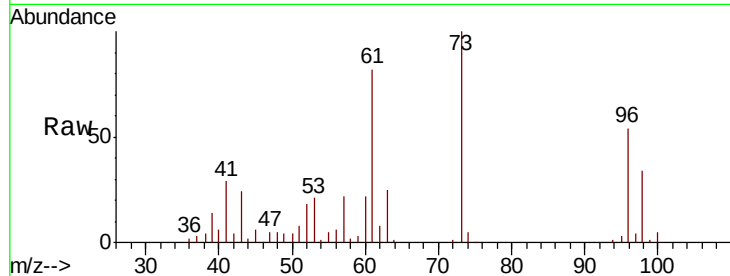
#19
trans-1,2-Dichloroethene
Concen: 20.753 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	117.2	175.8
98	63.5	49.4	74.2

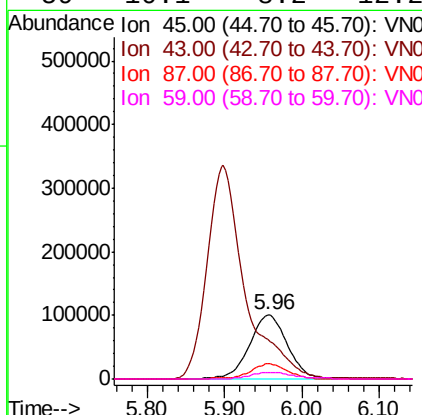
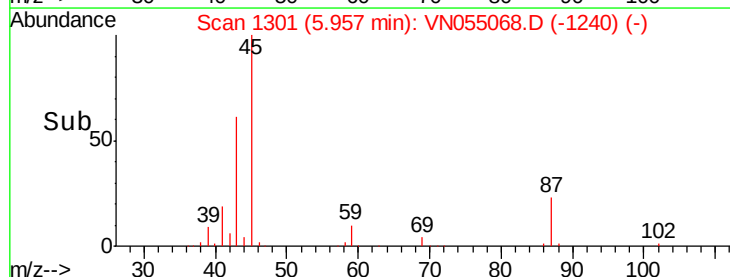
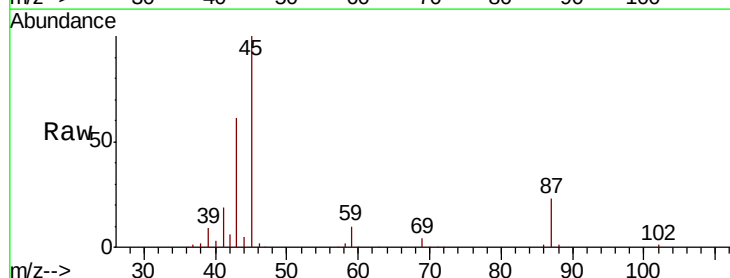
Manual Integrations
APPROVED

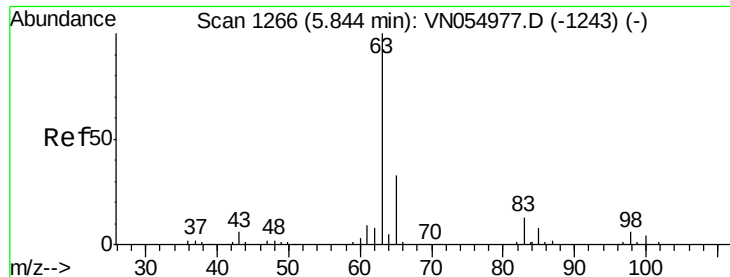
MMDadoda
4/17/2019 4:22:57 AM



#20
Diisopropyl ether
Concen: 20.989 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	45.8	68.8
87	23.2	18.2	27.4
59	10.1	8.2	12.2





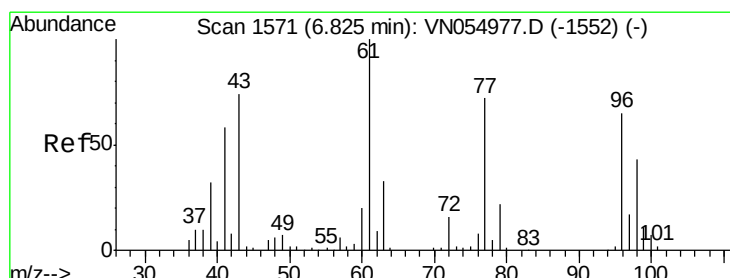
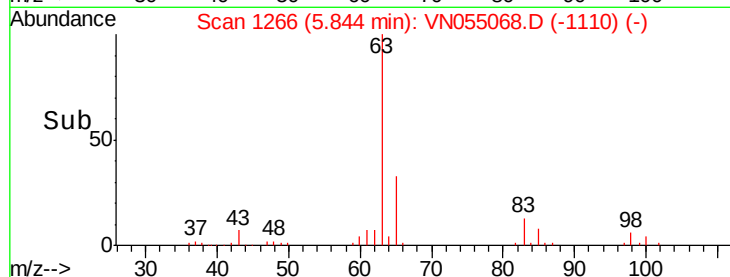
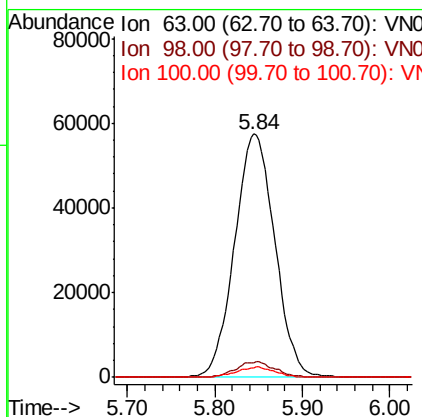
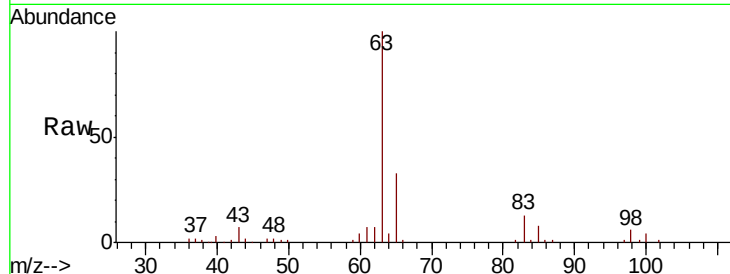
#21
 1,1-Dichloroethane
 Concen: 20.943 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	2.9	8.7	
100	3.9	2.0	5.8	

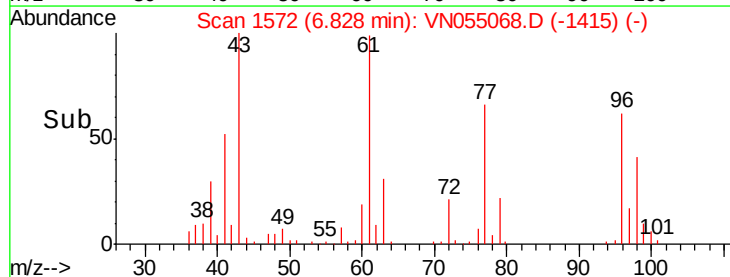
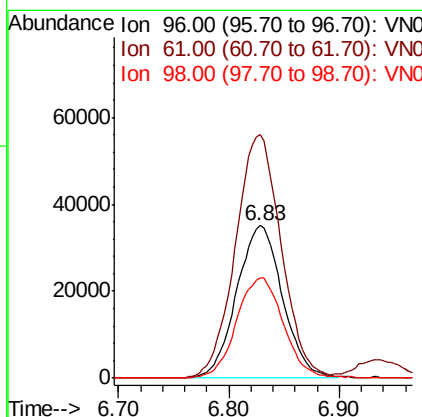
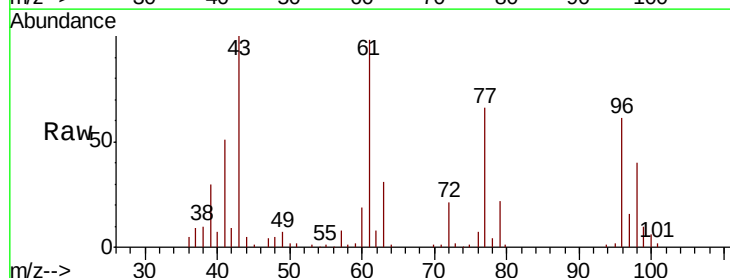
Manual Integrations
 APPROVED

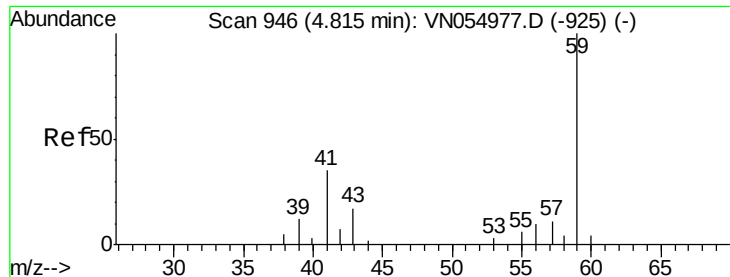
MMDadoda
 4/17/2019 4:22:57 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.407 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.8	125.0	187.6	
98	66.8	52.2	78.2	





#23

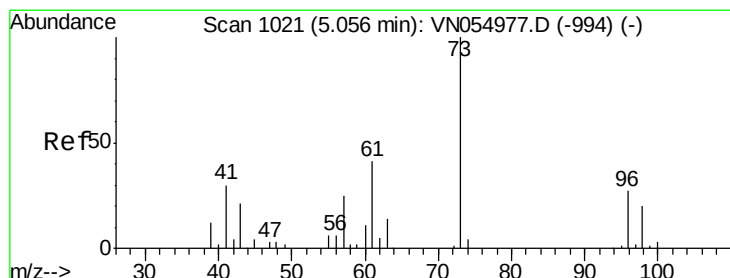
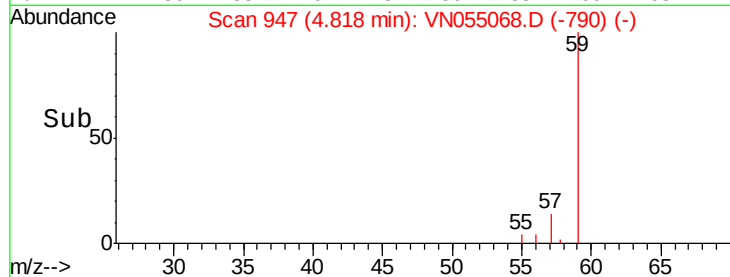
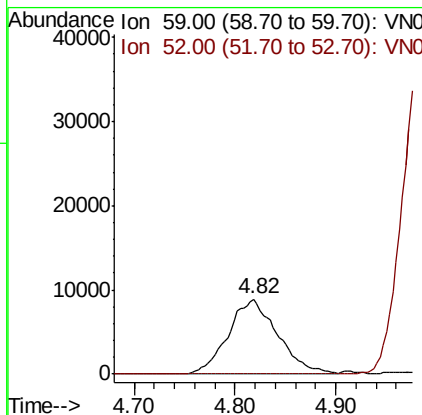
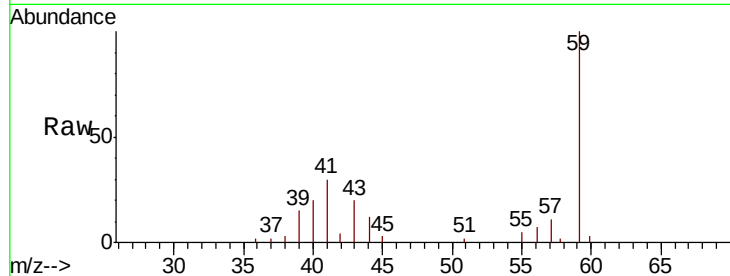
tert-Butyl Alcohol
 Concen: 114.967 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	Ratio	Lower	Upper
30221	100			
52	0.0	0.0	0.0	

Manual Integrations
 APPROVED

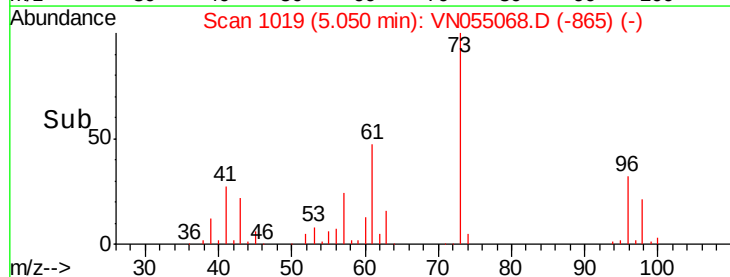
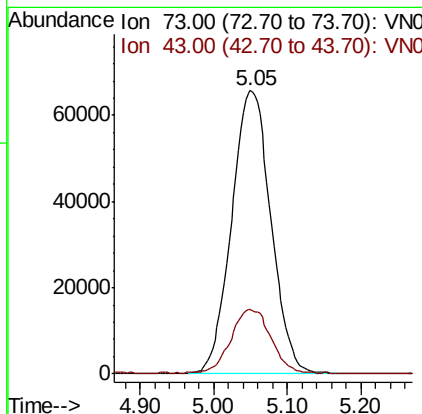
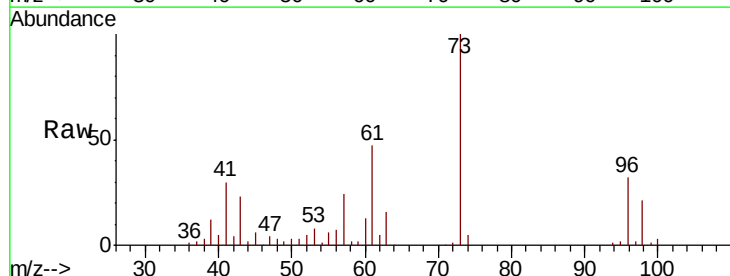
MMDadoda
 4/17/2019 4:22:57 AM

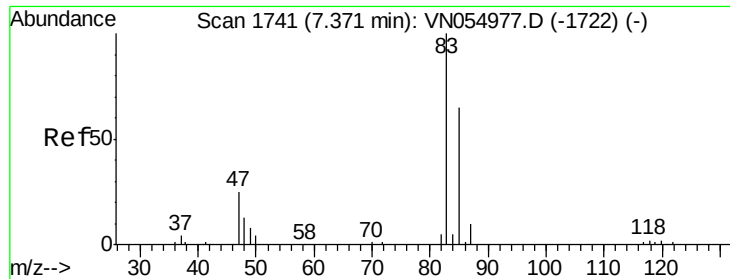


#24

Methyl tert-Butyl Ether
 Concen: 22.229 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	73	Ratio	Lower	Upper
244178	100			
43	22.8	8.0	12.0	#





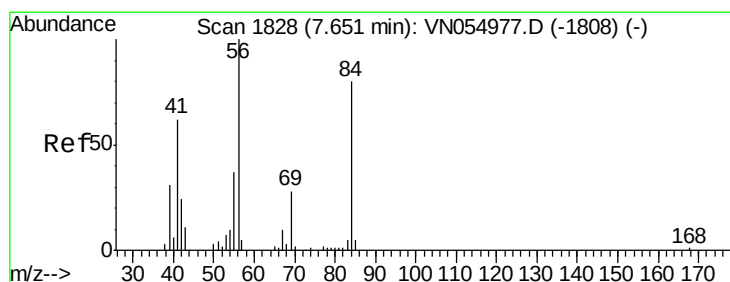
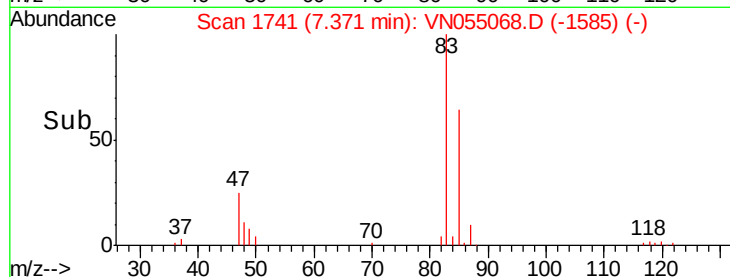
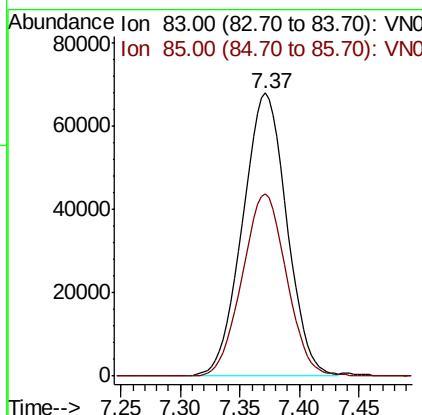
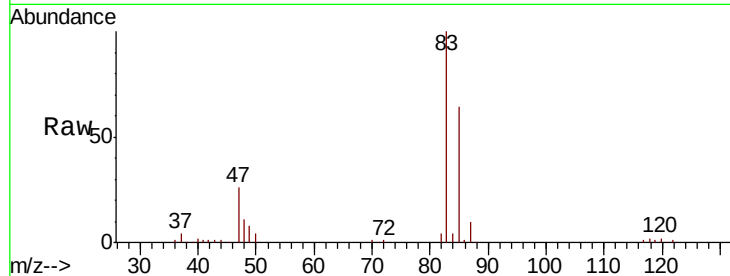
#25
Chloroform
Concen: 20.944 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	174886
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.8	77.8

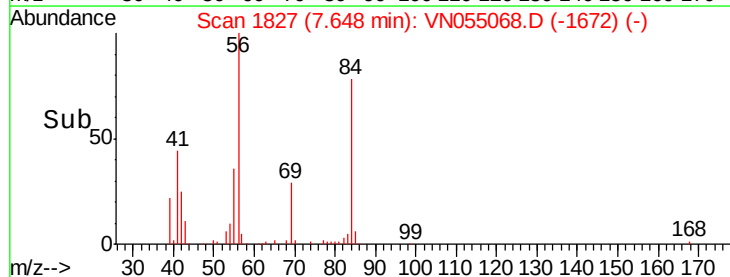
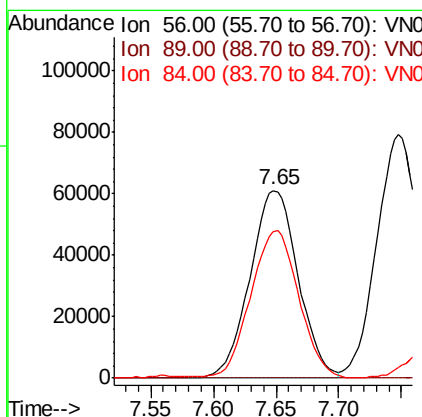
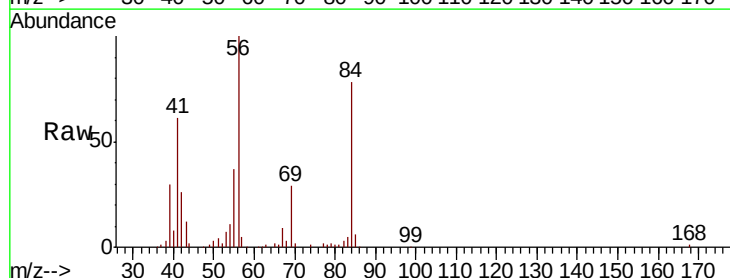
Manual Integrations
APPROVED

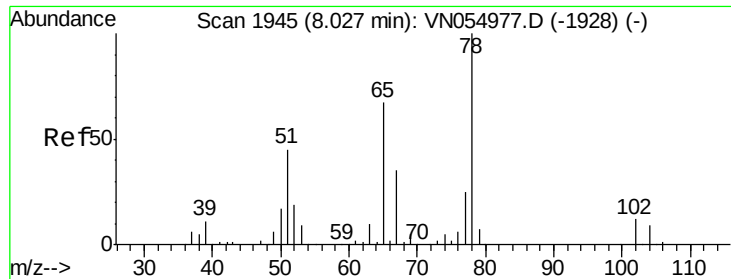
MMDadoda
4/17/2019 4:22:57 AM



#26
Cyclohexane
Concen: 20.130 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	56	Resp	162814
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.9	63.5	95.3





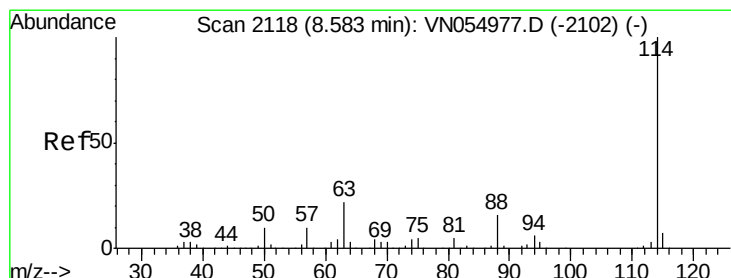
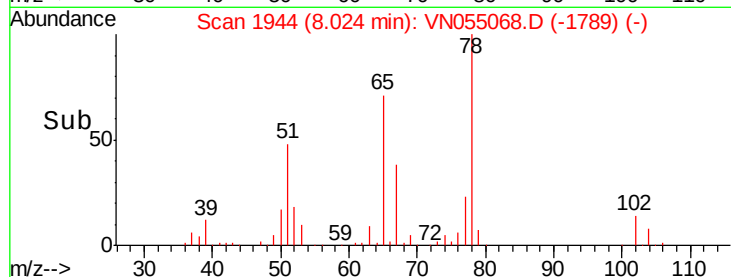
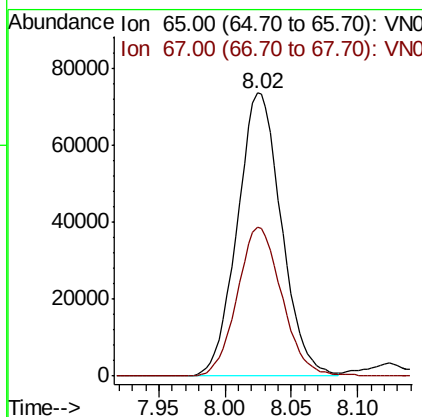
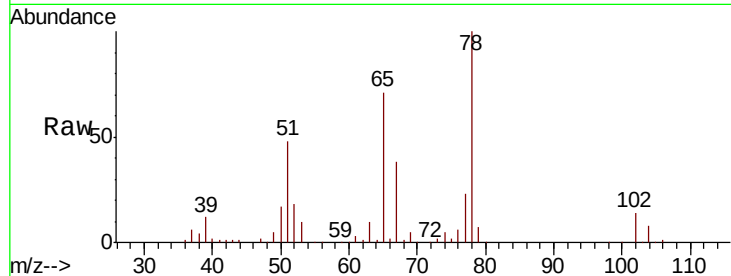
#27
 1,2-Dichloroethane-d4
 Concen: 20.130 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 170029
 Ion Ratio Lower Upper
 65 100
 67 53.0 41.8 62.8

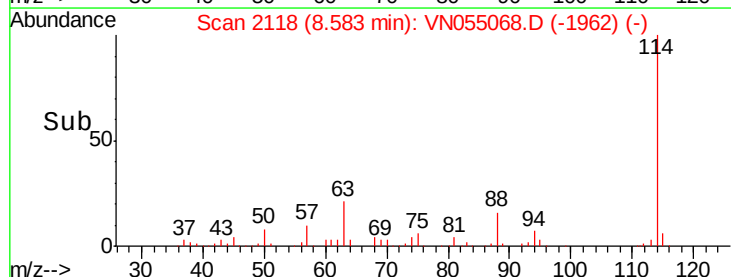
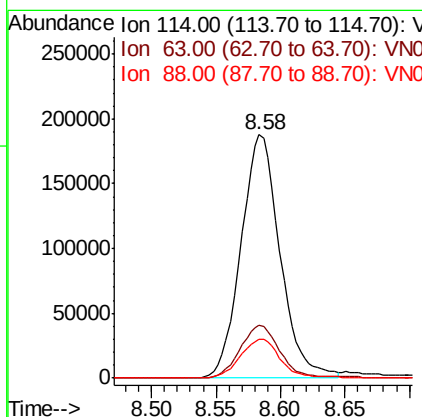
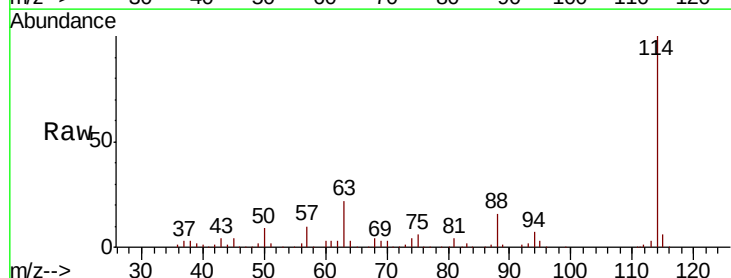
Manual Integrations
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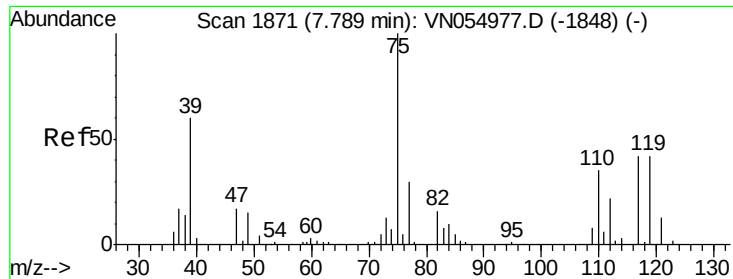
MMDadoda
 4/17/2019 4:22:57 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion: 114 Resp: 396290
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.0 25.4
 88 16.2 12.3 18.5





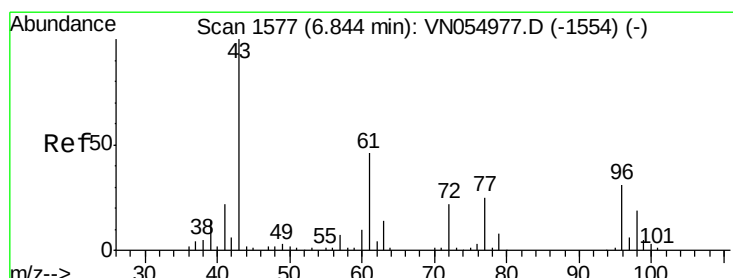
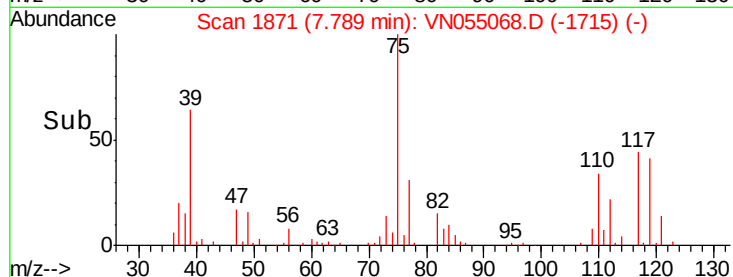
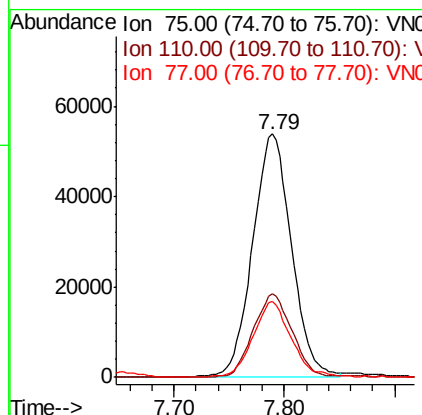
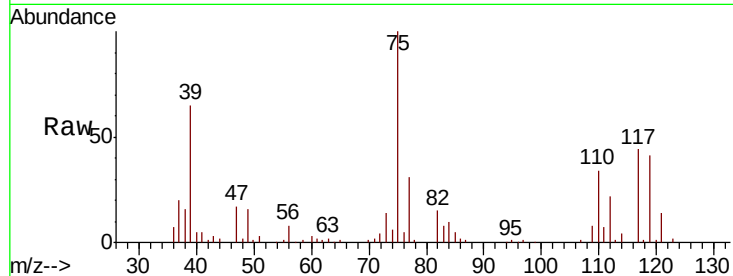
#29
 1,1-Dichloropropene
 Concen: 21.322 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.1	0.0	68.4
77	28.6	0.0	58.6

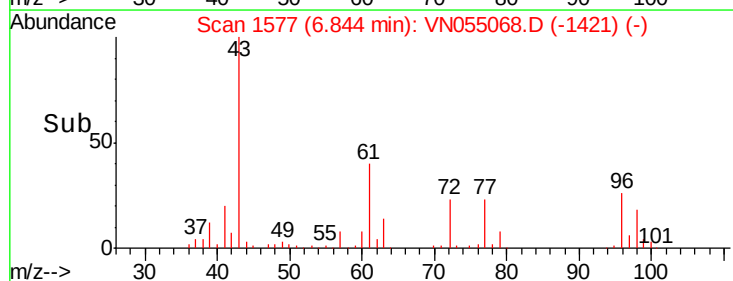
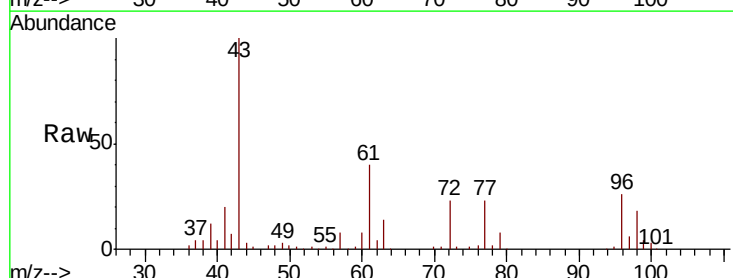
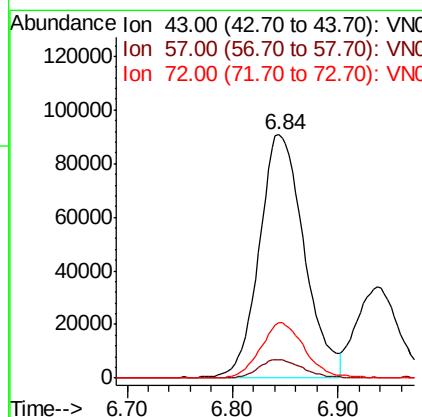
Manual Integrations
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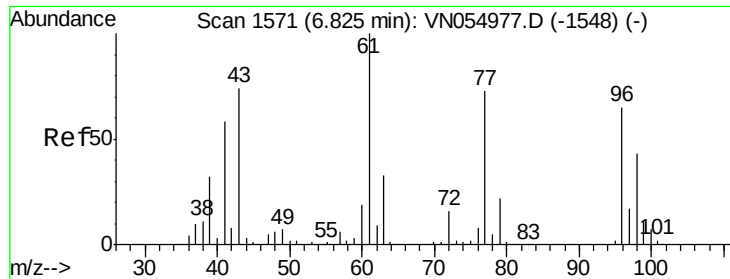
MMDadoda
 4/17/2019 4:22:57 AM



#30
 2-Butanone
 Concen: 130.097 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.5	18.6	27.8





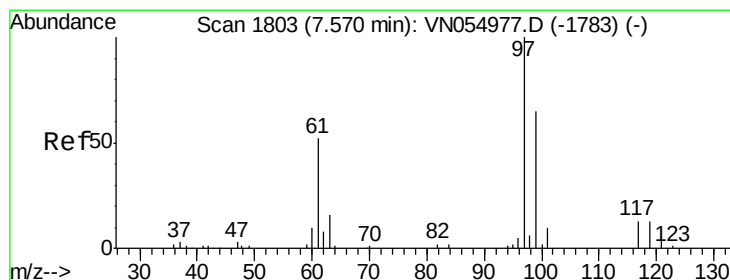
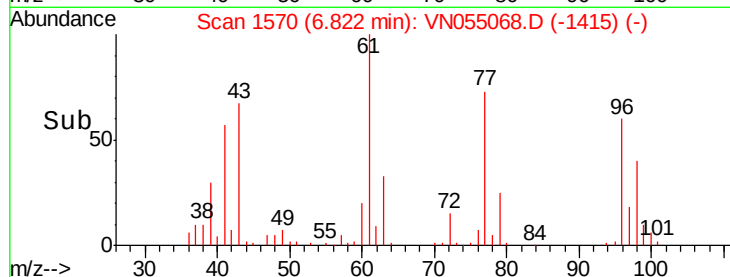
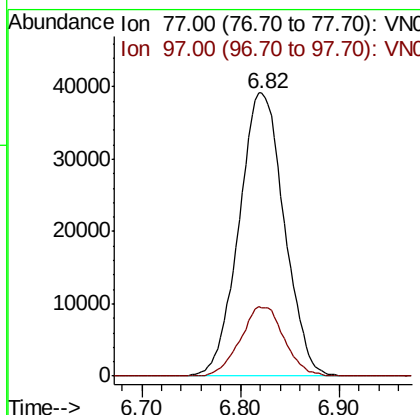
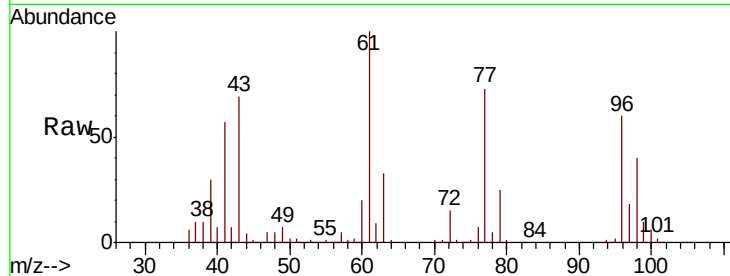
#31
 2,2-Dichloropropane
 Concen: 21.868 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 124218
 Ion Ratio Lower Upper
 77 100
 97 13.8 0.0 0.0#

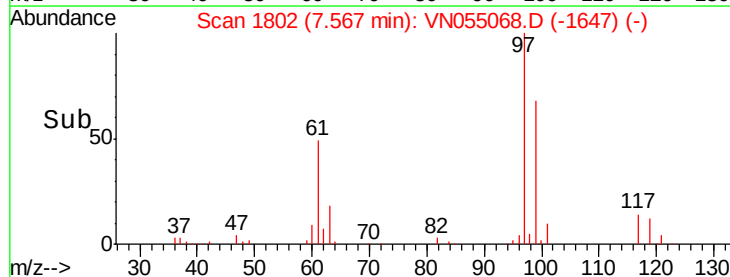
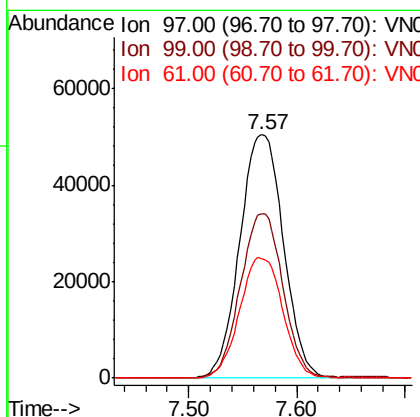
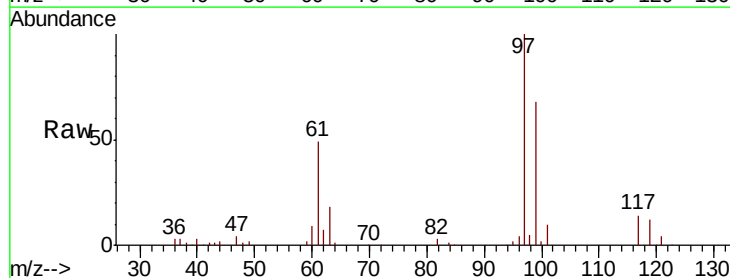
Manual Integrations
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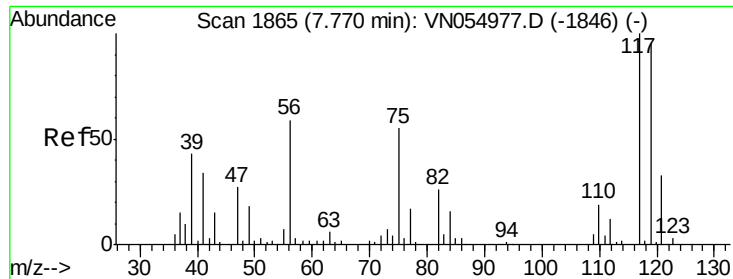
MMDadoda
 4/17/2019 4:22:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.778 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion: 97 Resp: 142069
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.2 76.8
 61 49.1 40.6 60.8





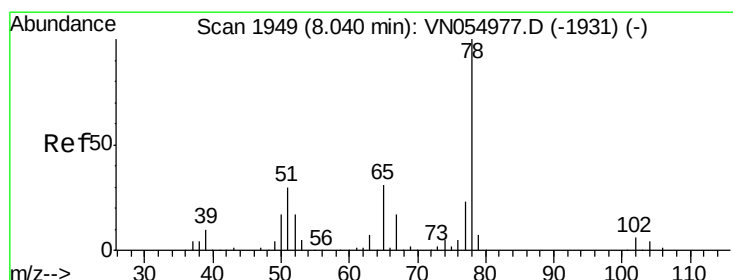
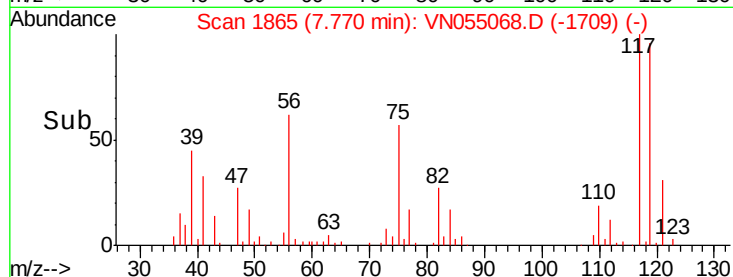
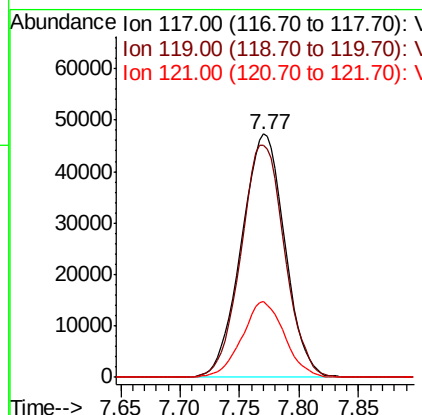
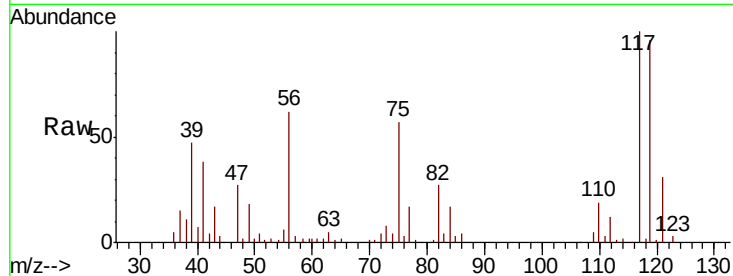
#33
Carbon Tetrachloride
Concen: 21.201 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.1	114.1
121	30.9	26.2	39.4

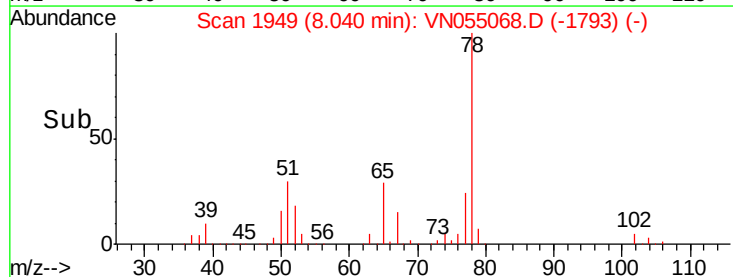
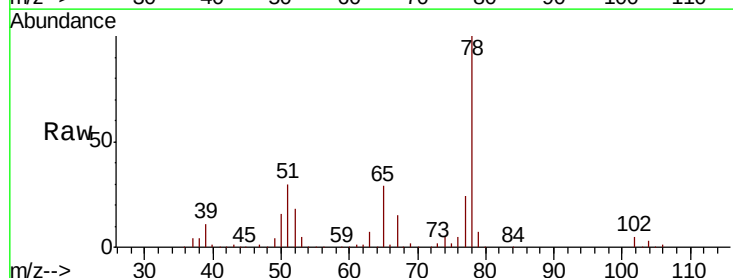
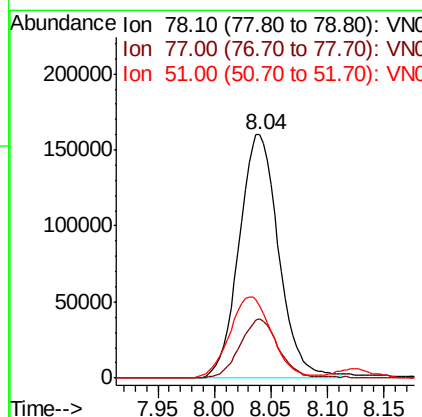
Manual Integrations
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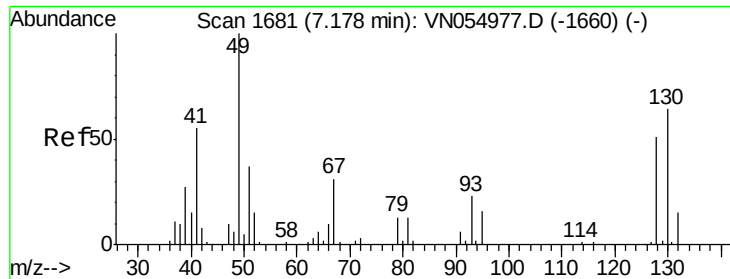
MMDadoda
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#34
Benzene
Concen: 21.342 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.4
51	29.3	23.7	35.5





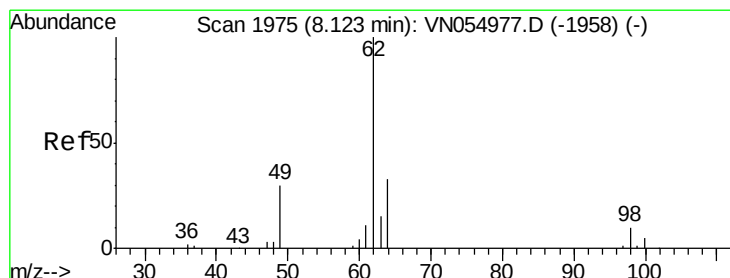
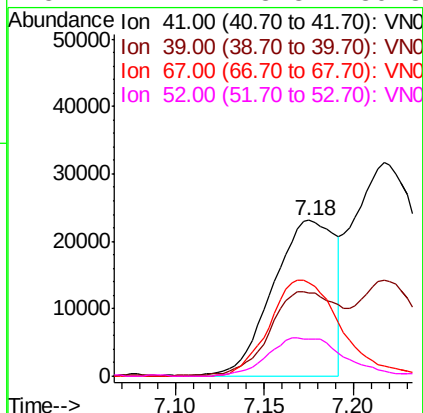
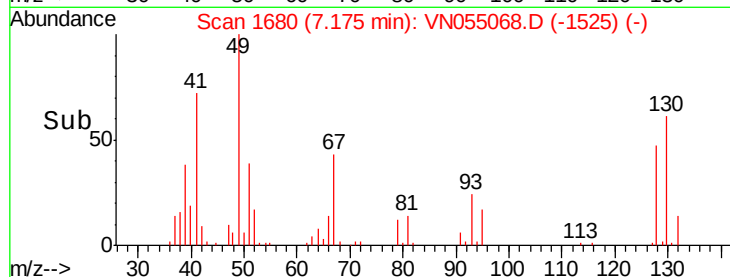
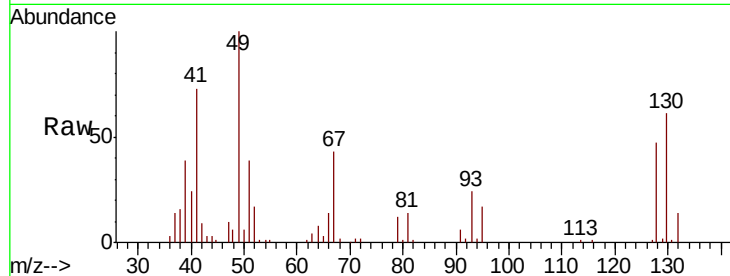
#35
Methacrylonitrile
Concen: 23.250 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	56141
Ion	Ratio	Lower	Upper
41	100		
39	53.0	24.2	72.6
67	60.2	28.1	84.2
52	24.2	13.3	39.8

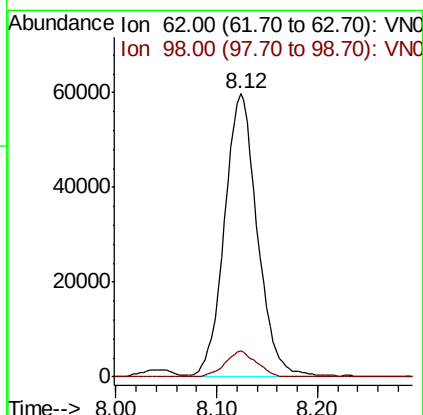
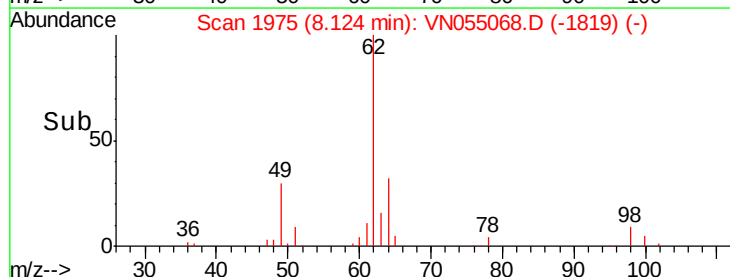
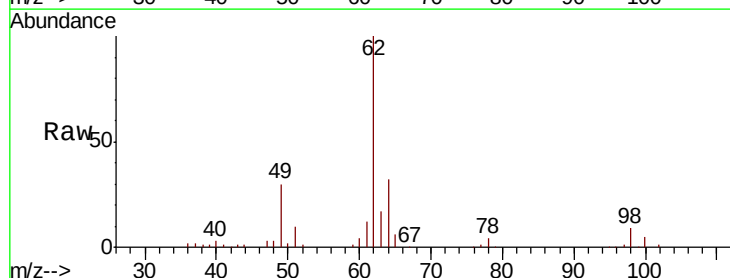
Manual Integrations
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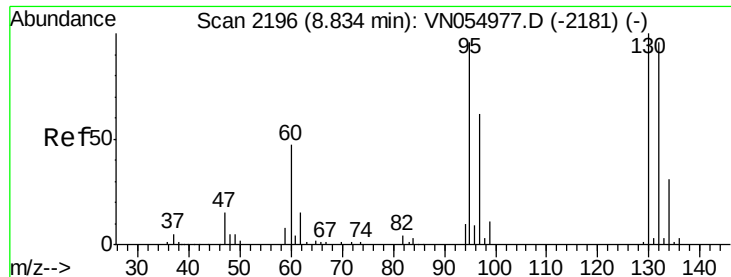
MMDadoda
4/17/2019 4:22:57 AM



#36
1,2-Dichloroethane
Concen: 21.440 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	62	Resp	134017
Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.9	10.3





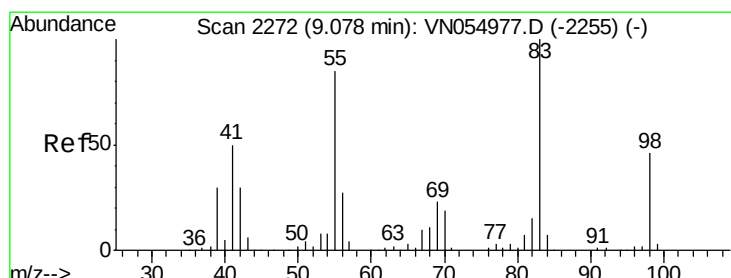
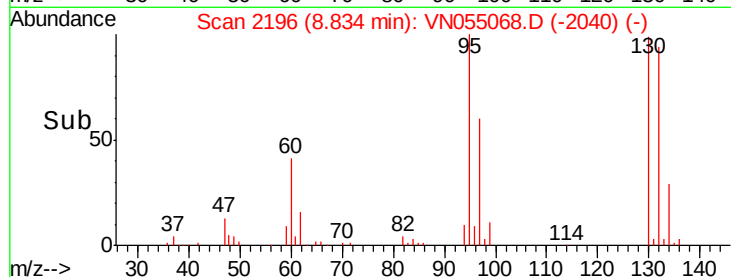
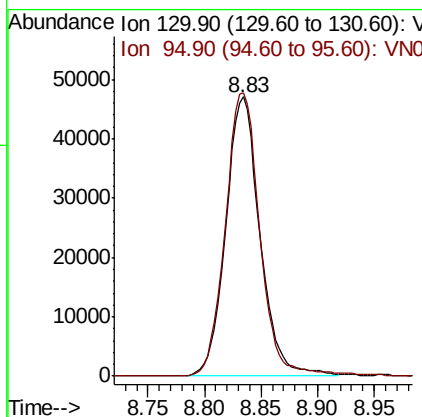
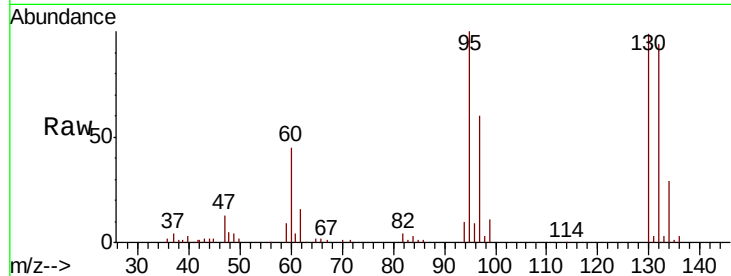
#37
 Trichloroethene
 Concen: 21.304 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:130 Resp: 99329
 Ion Ratio Lower Upper
 130 100
 95 101.4 76.6 115.0

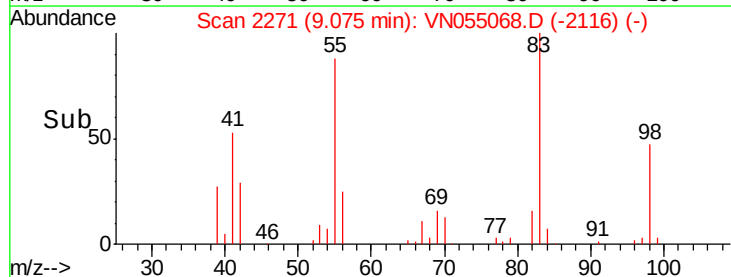
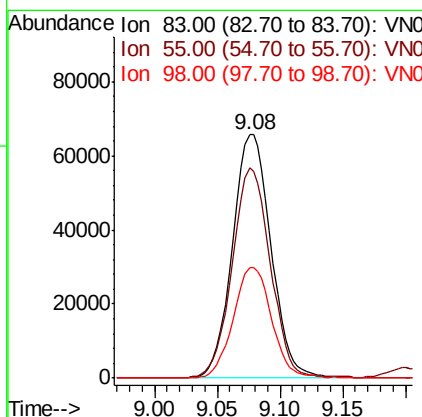
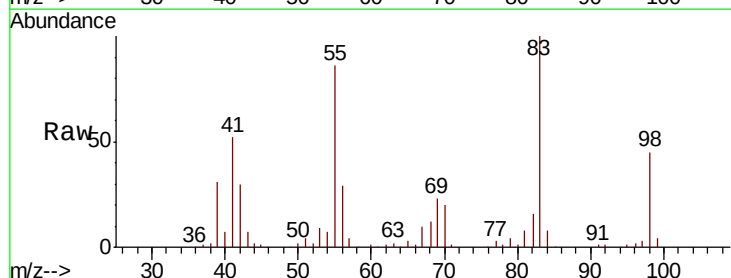
Manual Integrations
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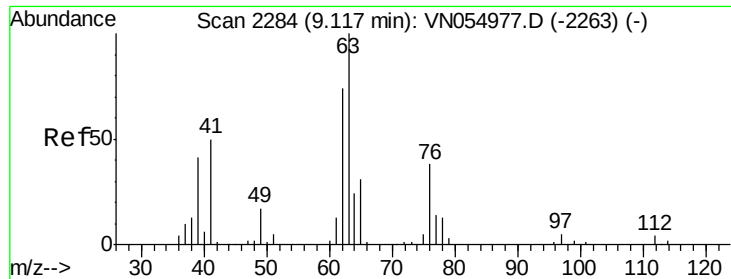
MMDadoda
 4/17/2019 4:22:57 AM



#38
 Methylcyclohexane
 Concen: 19.682 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion: 83 Resp: 140870
 Ion Ratio Lower Upper
 83 100
 55 85.2 41.9 125.6
 98 45.2 22.4 67.0





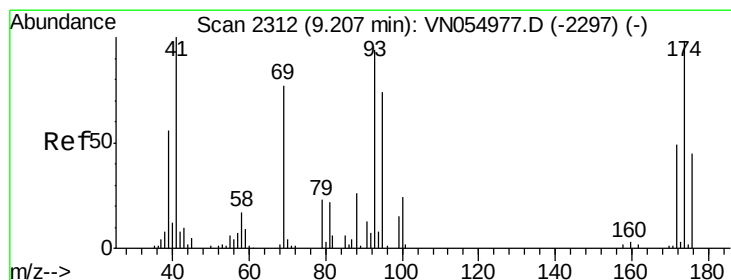
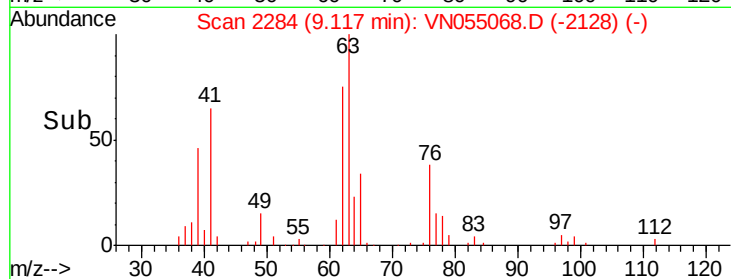
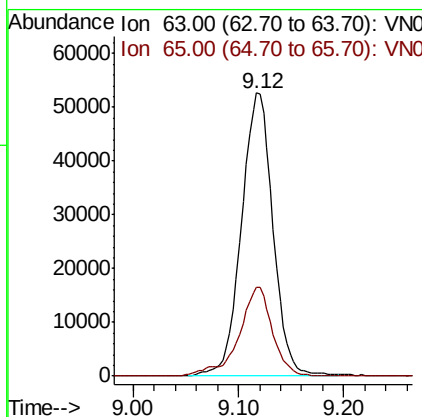
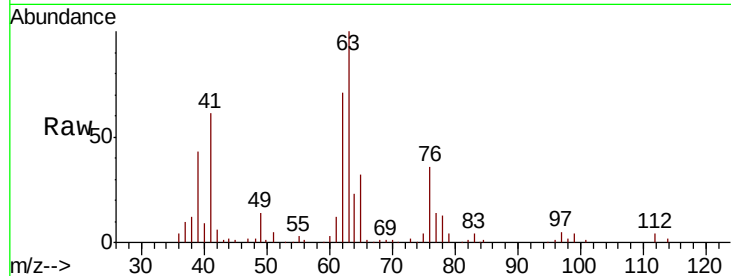
#39
 1,2-Dichloropropane
 Concen: 21.730 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	109738
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.8	37.2

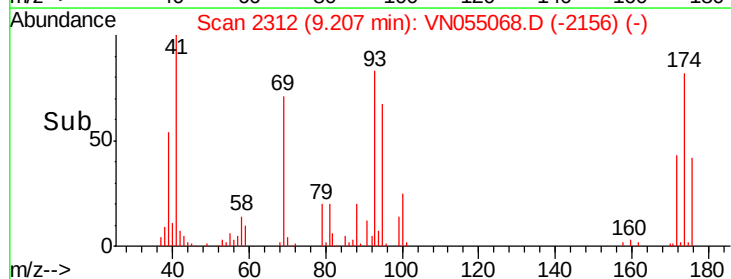
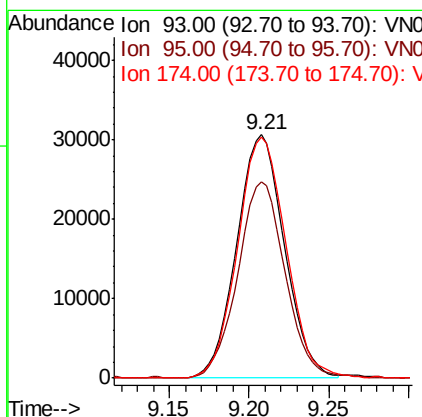
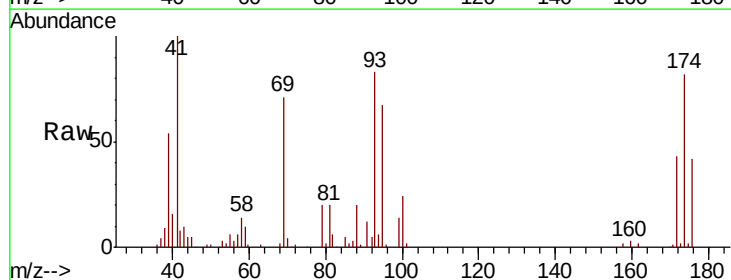
Manual Integrations
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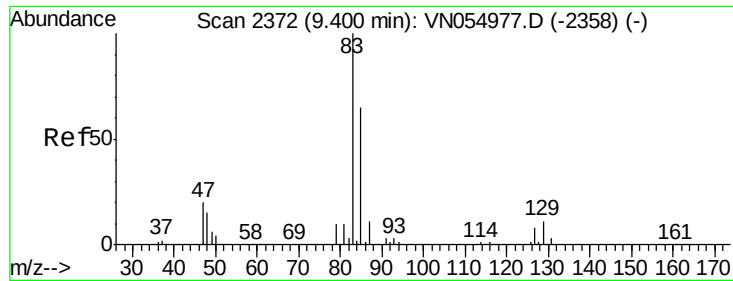
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#40
 Dibromomethane
 Concen: 21.873 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	93	Resp	62436
Ion	Ratio	Lower	Upper
93	100		
95	80.4	0.0	160.8
174	100.8	0.0	206.4





#41

Bromodichloromethane

Concen: 21.168 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

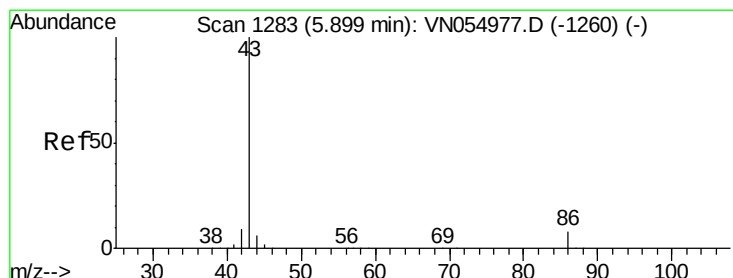
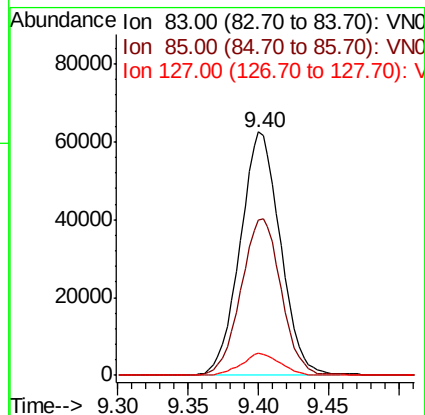
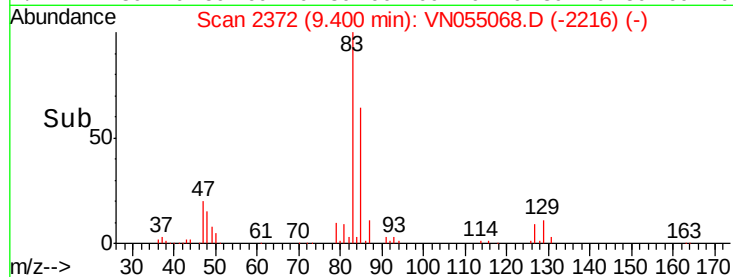
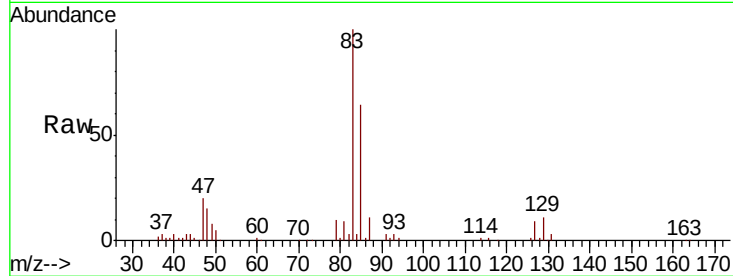
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	124708
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.0	78.0
127	9.0	7.2	10.8

Manual Integrations
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4/17/2019 4:22:57 AM



#42

Vinyl Acetate

Concen: 111.324 ug/l

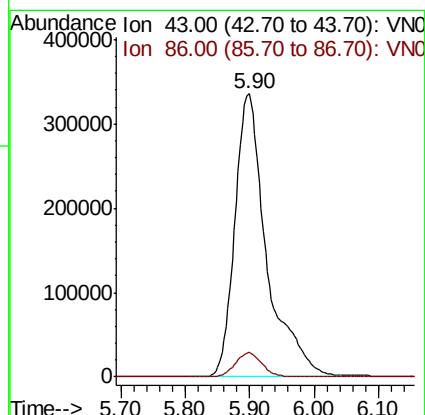
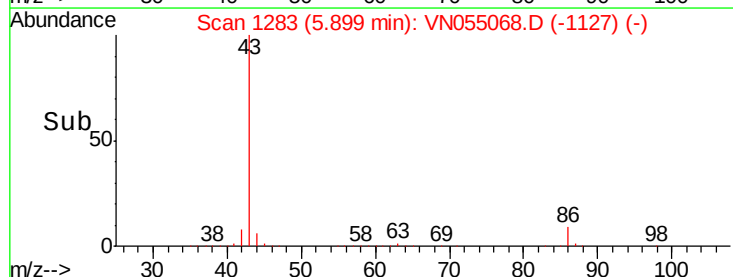
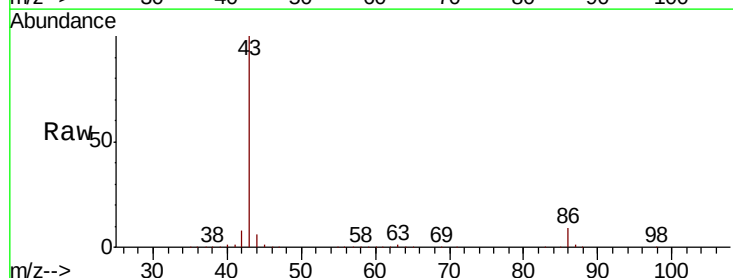
RT: 5.90 min Scan# 1283

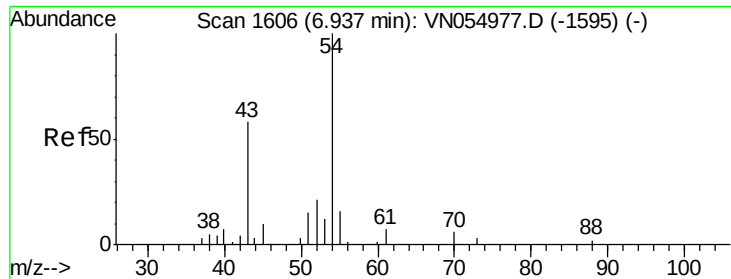
Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion:	43	Resp:	1152987
Ion Ratio	Lower	Upper	
43	100		
86	7.2	5.7	8.5





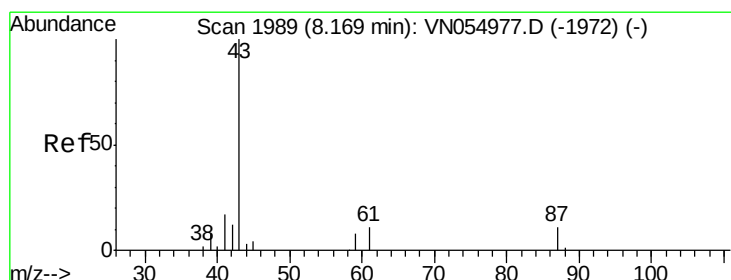
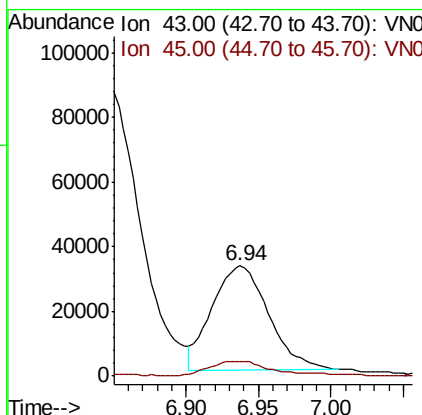
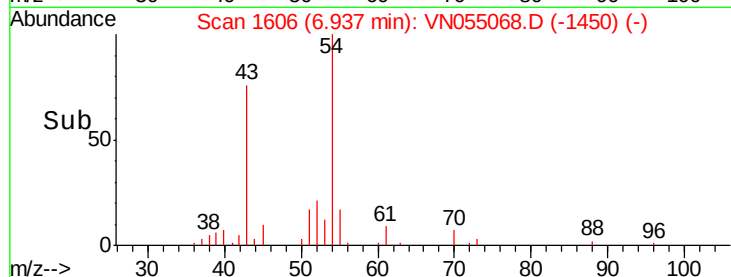
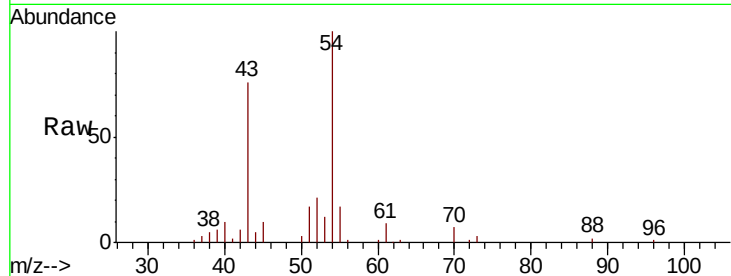
#43
Ethyl Acetate
Concen: 20.820 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper
Resp:	86893				
Ion	100	0.1		10.6	15.8#

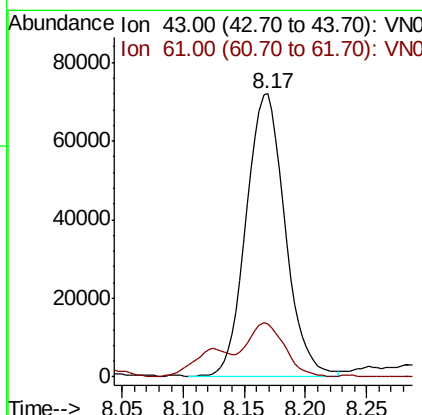
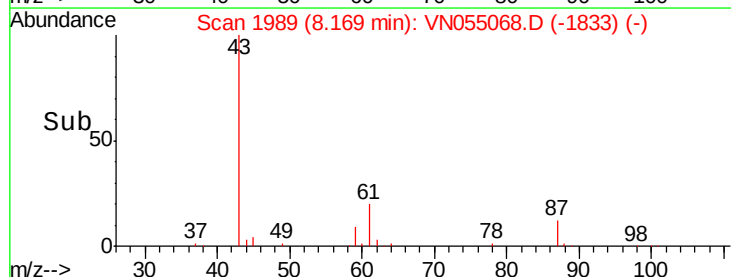
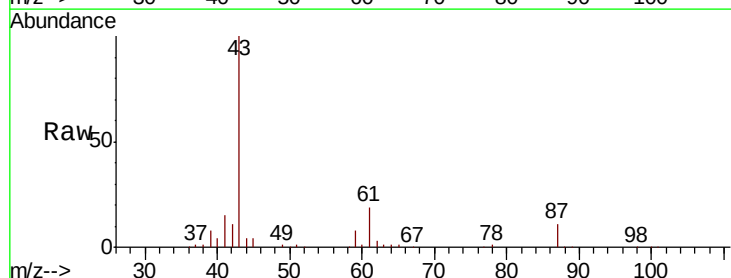
Manual Integrations
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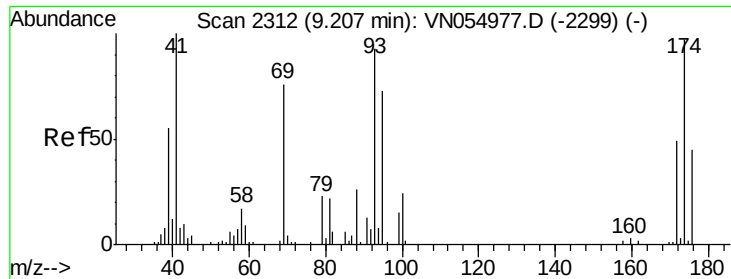
MMDadoda
4/17/2019 4:22:57 AM



#44
Isopropyl Acetate
Concen: 22.564 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	43	61	Ratio	Lower	Upper
Resp:	159594				
Ion	100	18.3		14.8	22.2





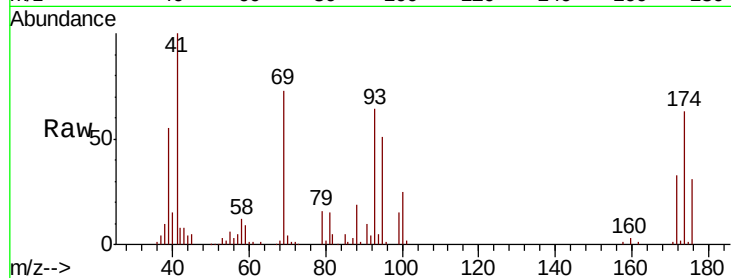
#45
 1,4-Dioxane
 Concen: 452.370 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	17726
Ion Ratio	Lower	Upper	
88	100		
43	15.8	34.5	51.7#
58	67.4	60.3	90.5

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MMDadoda
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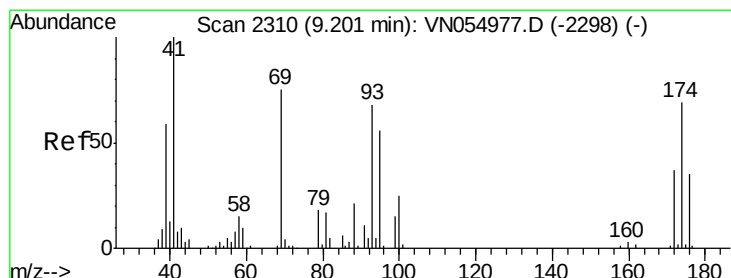
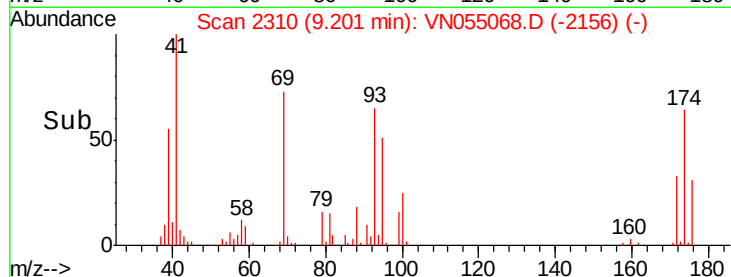
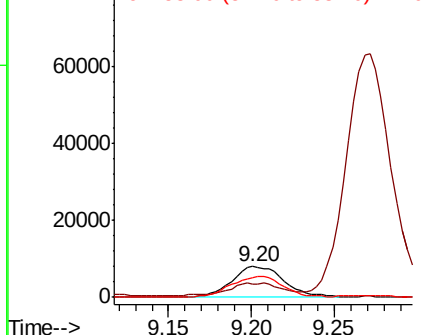


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 21.749 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

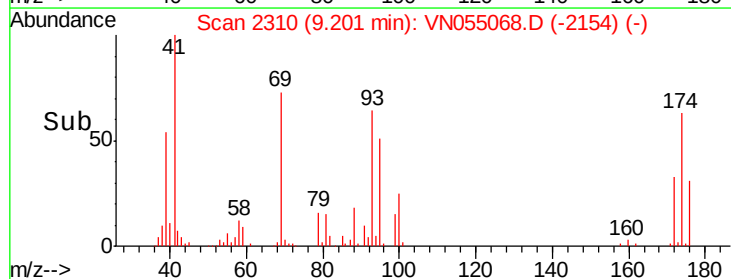
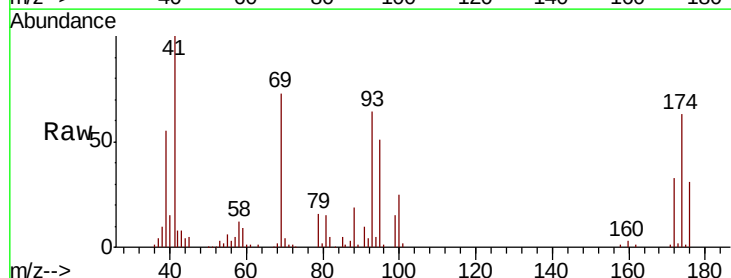
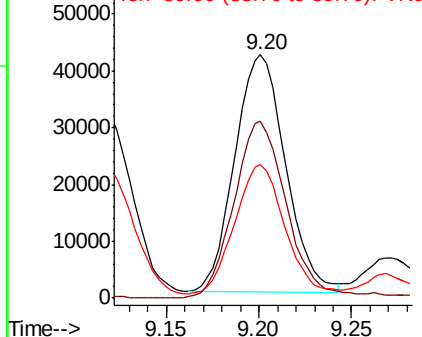
Tgt Ion	41	Resp	79576
Ion Ratio	Lower	Upper	
41	100		
69	73.9	37.3	111.9
39	54.6	29.4	88.2

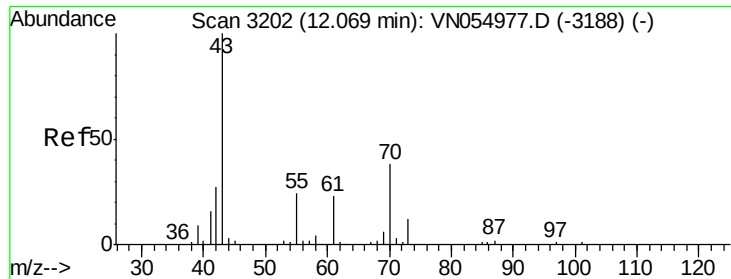
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 23.125 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 120469

Ion Ratio Lower Upper

43 100

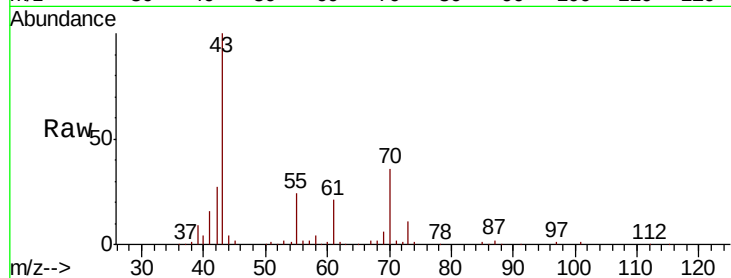
55 24.4 19.8 29.6

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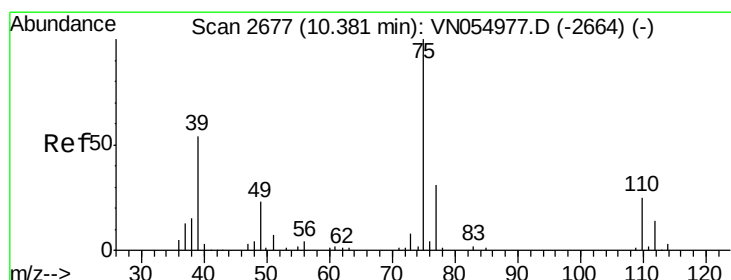
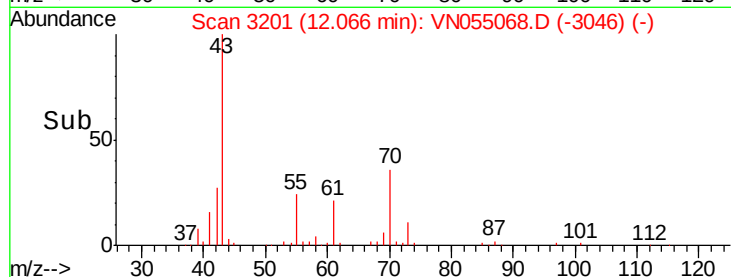
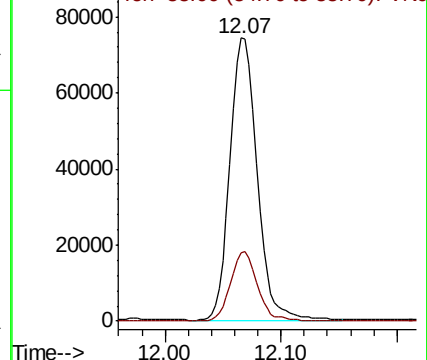
MMDadoda

4/17/2019 4:22:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 21.210 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055068.D

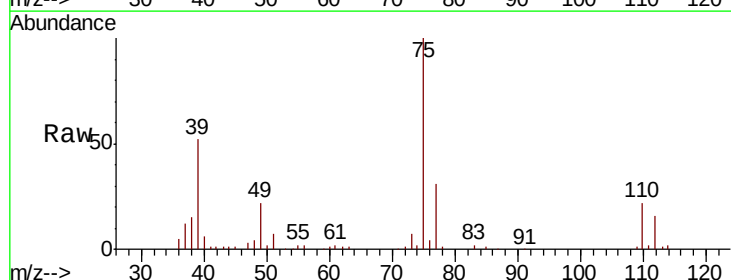
Acq: 16 Apr 2019 10:08

Tgt Ion: 75 Resp: 114744

Ion Ratio Lower Upper

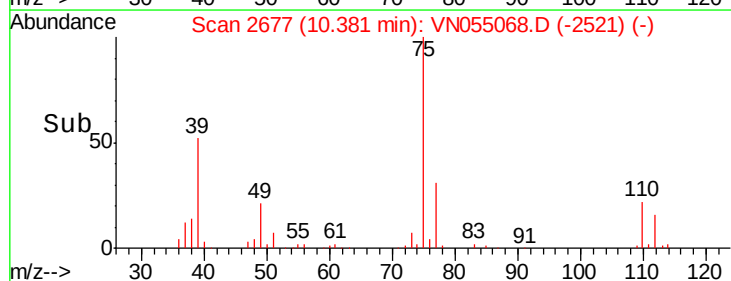
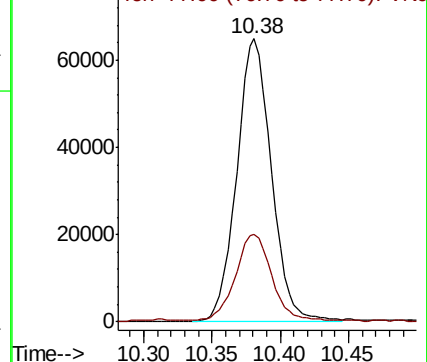
75 100

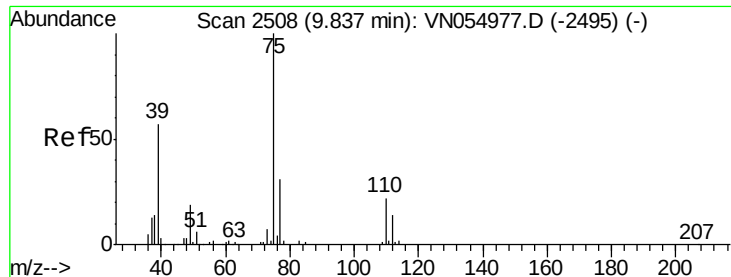
77 30.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





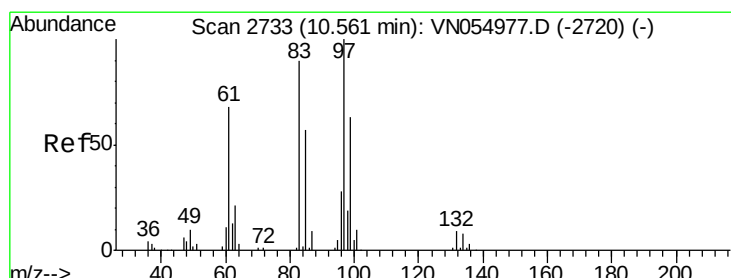
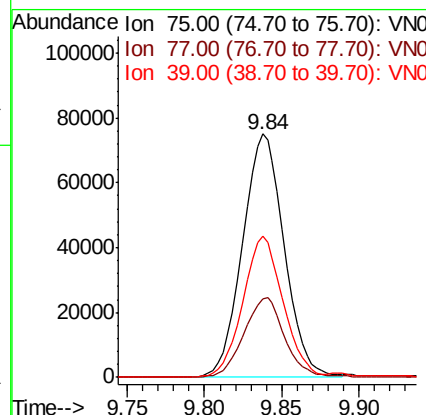
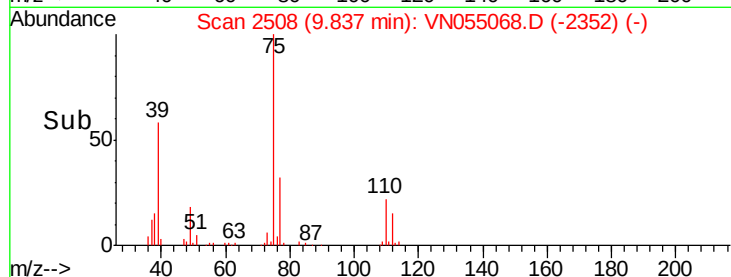
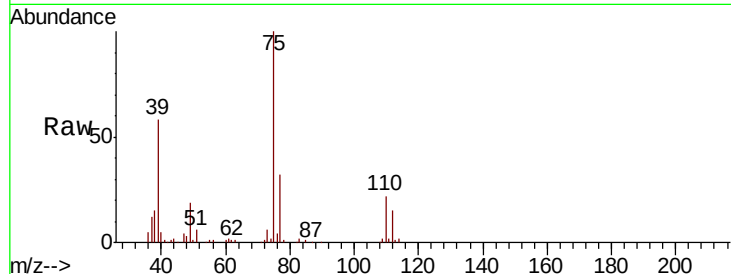
#49
 cis-1,3-Dichloropropene
 Concen: 21.057 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	57.8	45.3	67.9

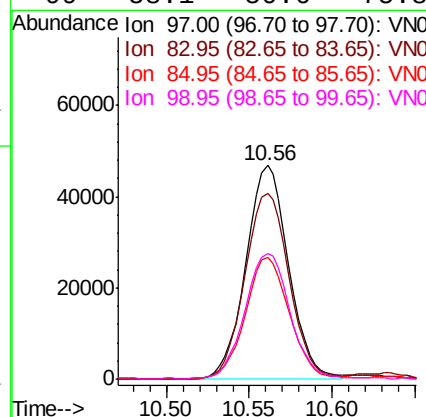
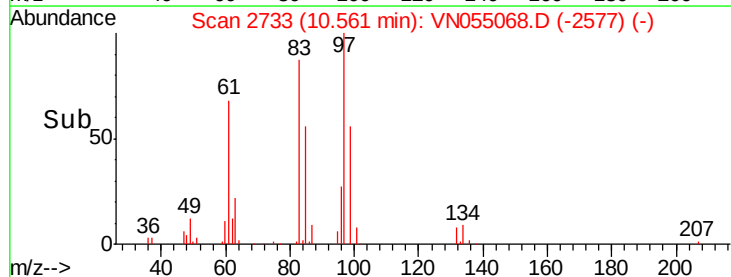
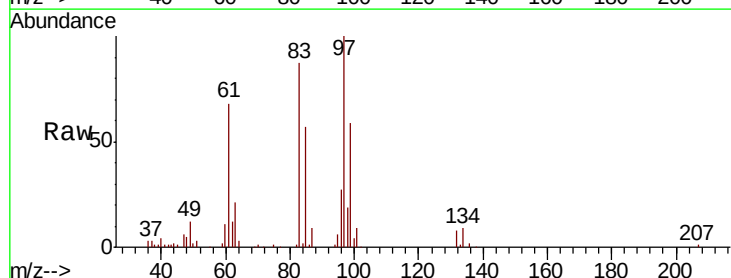
Manual Integrations
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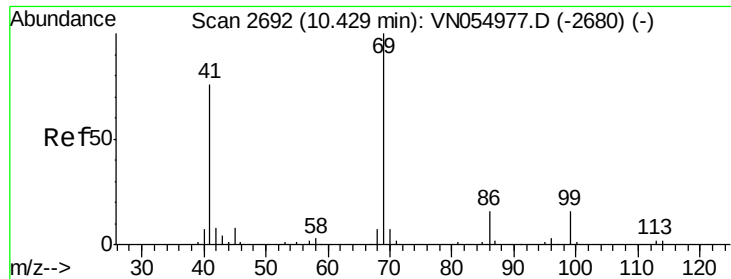
MMDadoda
 4/17/2019 4:22:57 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.742 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.1	108.1
85	56.8	45.4	68.0
99	58.1	50.6	75.8





#51

Ethyl methacrylate

Concen: 21.663 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

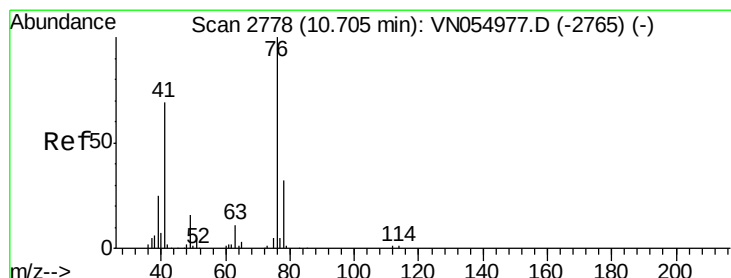
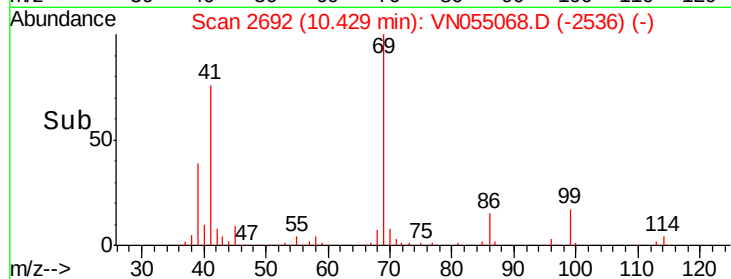
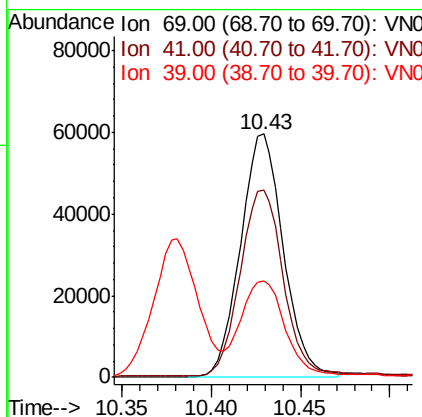
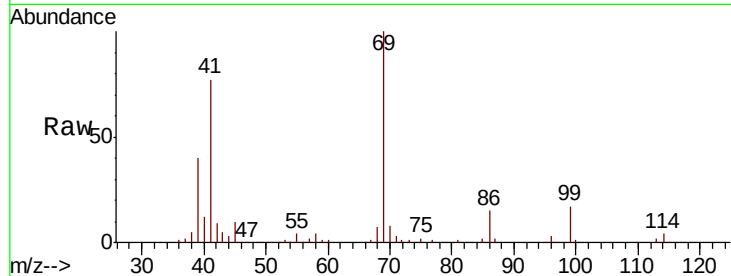
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	100119
Ion	Ratio	Lower	Upper
69	100		
41	76.3	37.9	113.7
39	38.4	19.8	59.4

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#52

1,3-Dichloropropane

Concen: 22.191 ug/l

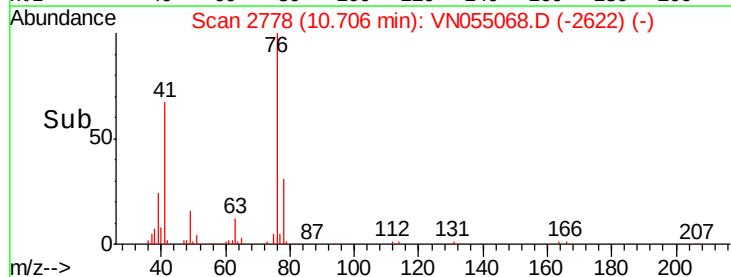
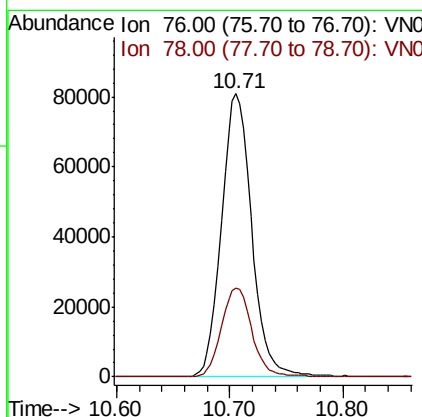
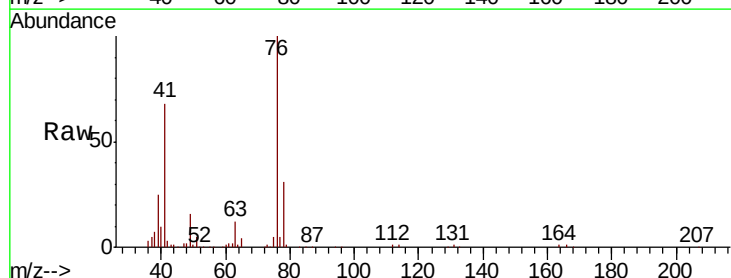
RT: 10.71 min Scan# 2778

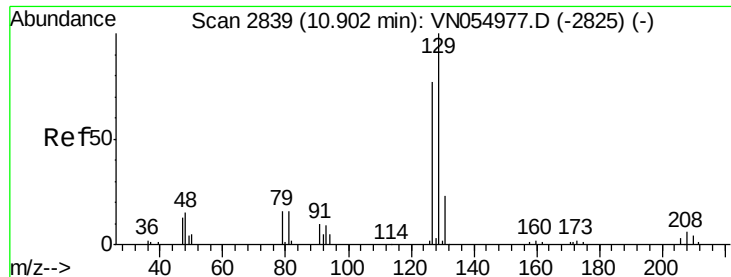
Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion:	76	Resp:	150756
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.4





#53

Dibromochloromethane

Concen: 20.822 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 83156

Ion Ratio Lower Upper

129 100

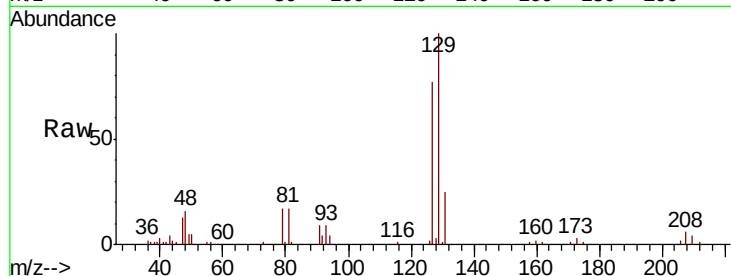
127 76.0 37.8 113.3

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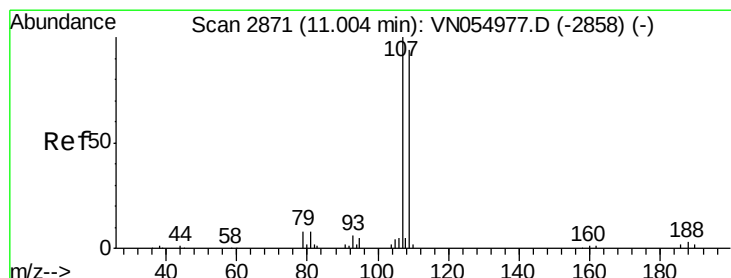
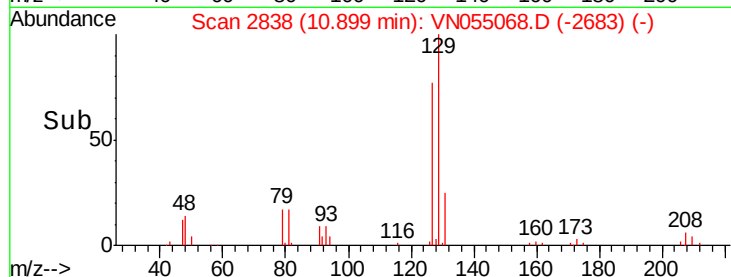
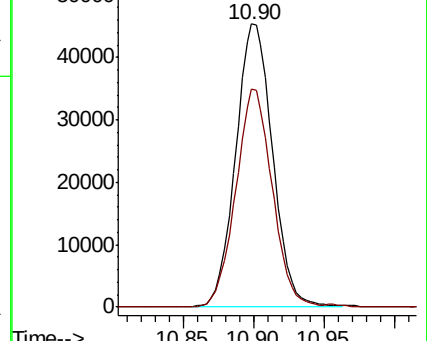
MMDadoda

4/17/2019 4:22:57 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.654 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055068.D

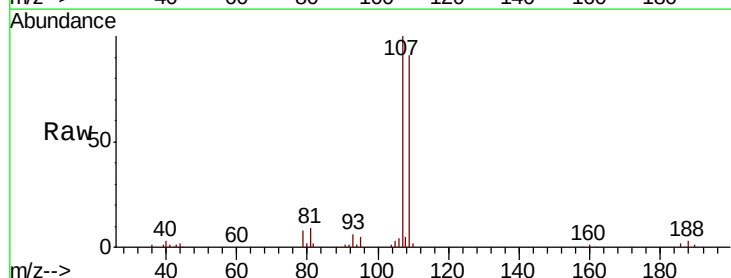
Acq: 16 Apr 2019 10:08

Tgt Ion:107 Resp: 78817

Ion Ratio Lower Upper

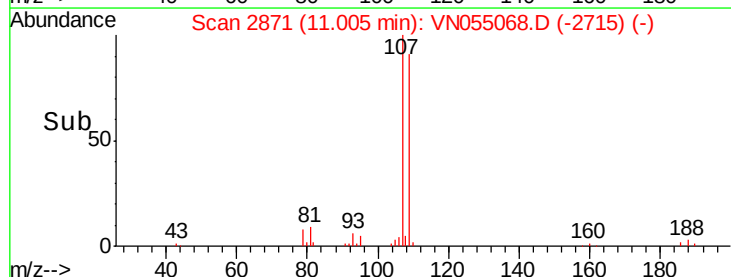
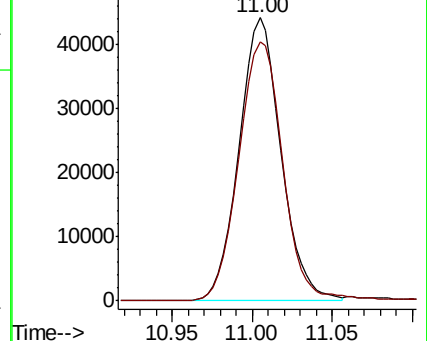
107 100

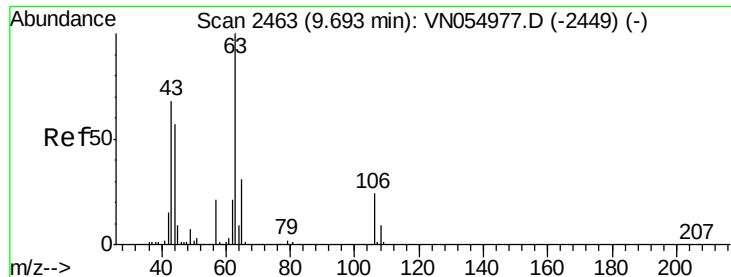
109 96.4 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 98.067 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

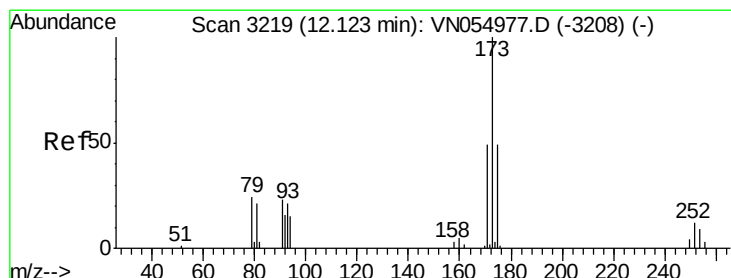
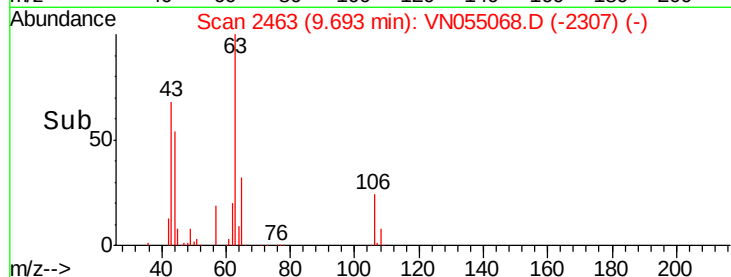
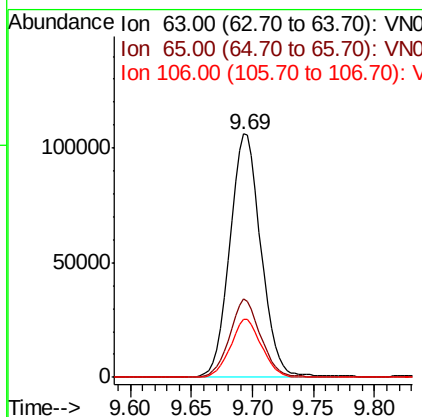
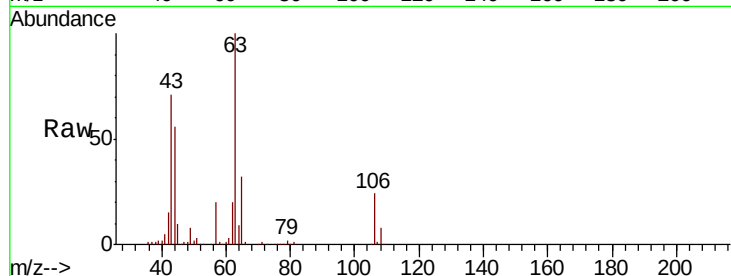
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	189478
Ion Ratio	Lower	Upper	
63	100		
65	31.8	25.4	38.0
106	23.6	19.8	29.6

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#56

Bromoform

Concen: 20.142 ug/l

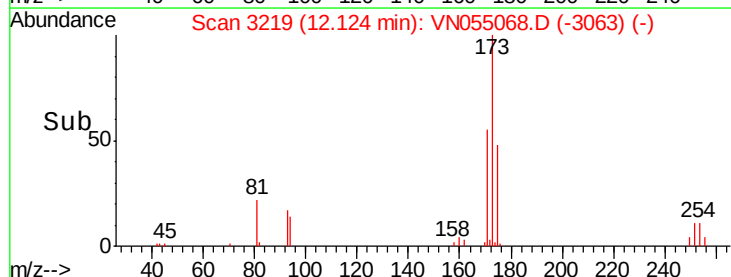
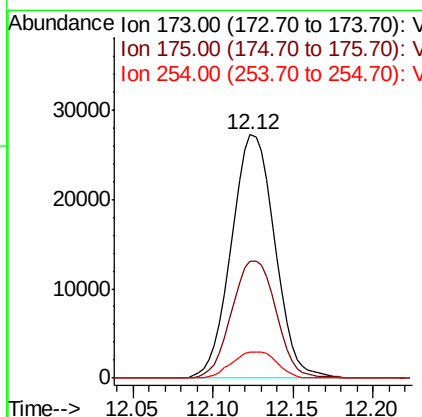
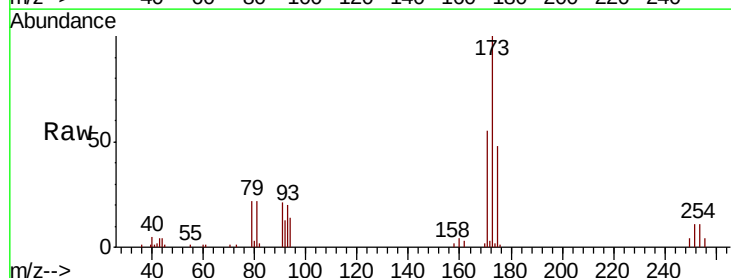
RT: 12.12 min Scan# 3219

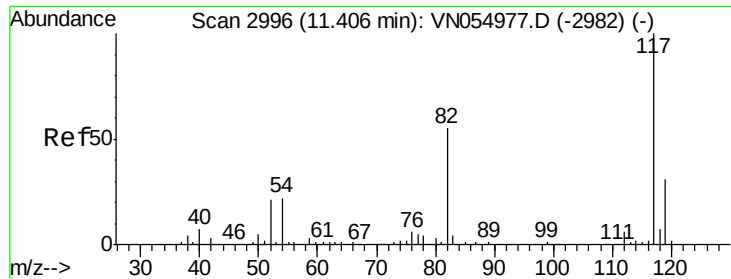
Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion:	173	Resp:	50544
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.6	57.8
254	11.1	6.8	10.2#





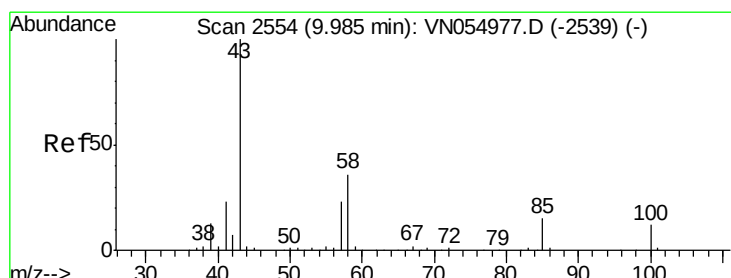
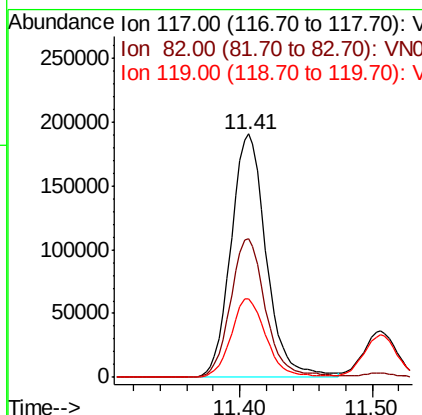
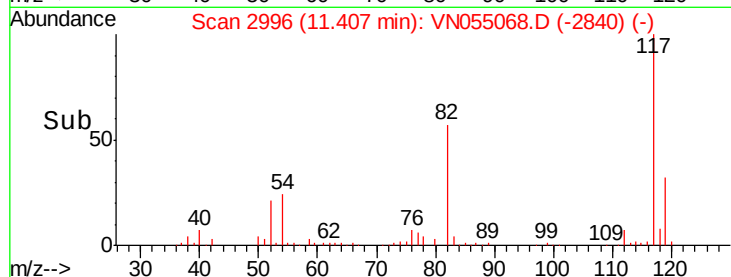
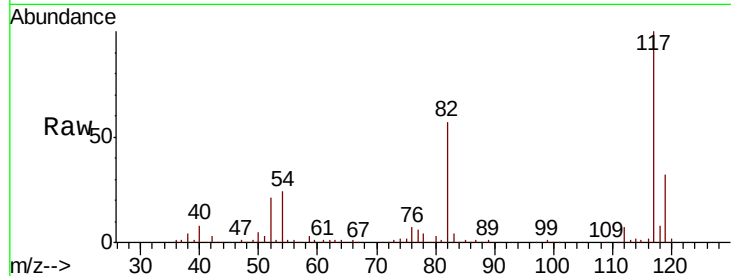
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.2	67.8
119	32.0	25.4	38.2

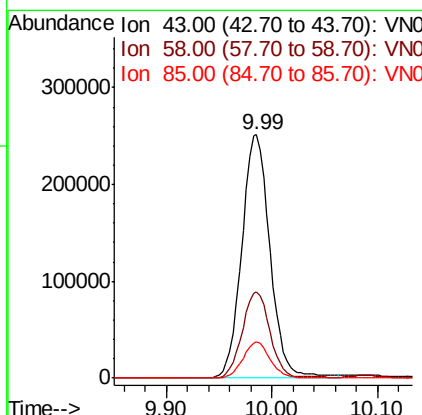
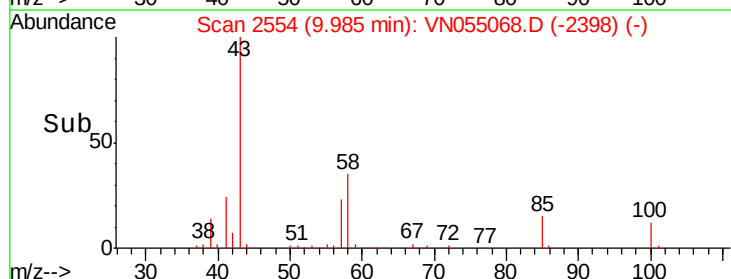
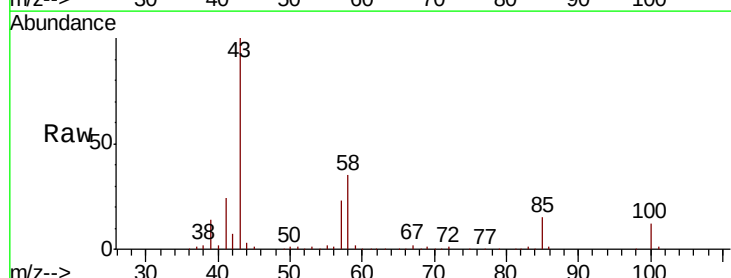
Manual Integrations
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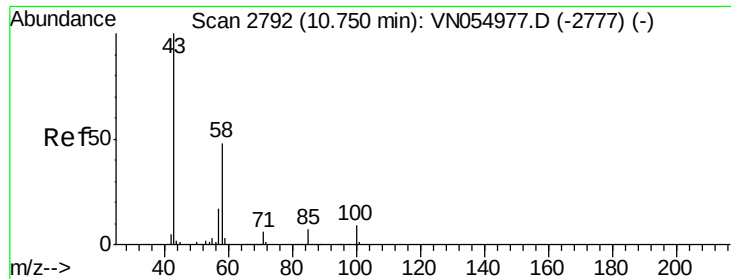
MMDadoda
4/17/2019 4:22:57 AM



#58
4-Methyl-2-Pentanone
Concen: 114.490 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.7	43.1
85	14.3	11.8	17.6





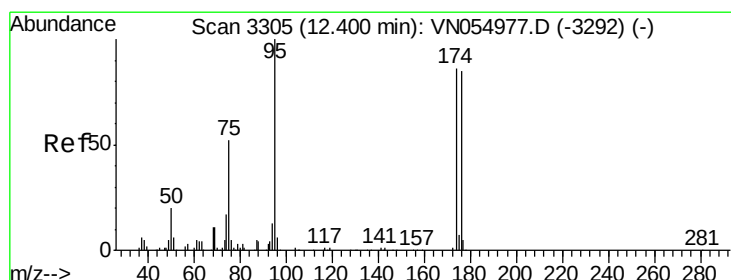
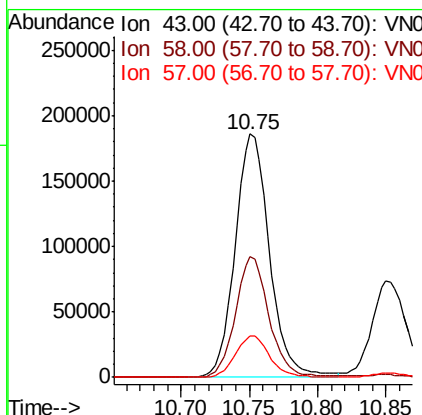
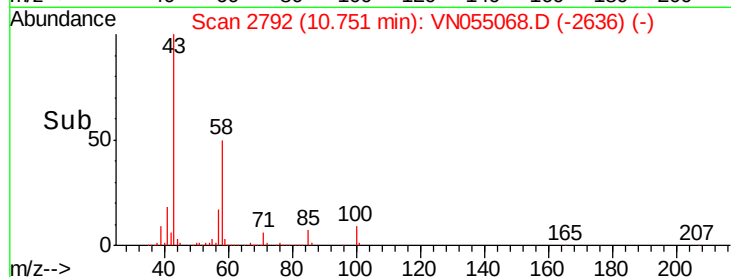
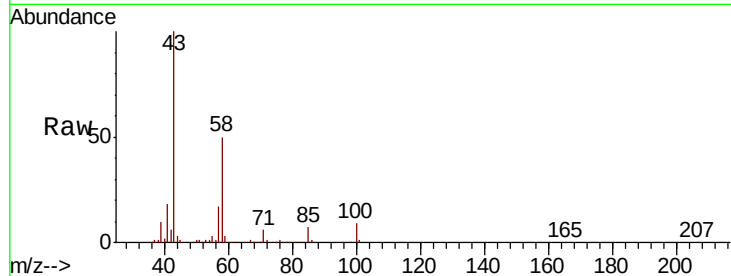
#59
2-Hexanone
Concen: 124.881 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.8	58.2
57	17.2	13.8	20.6

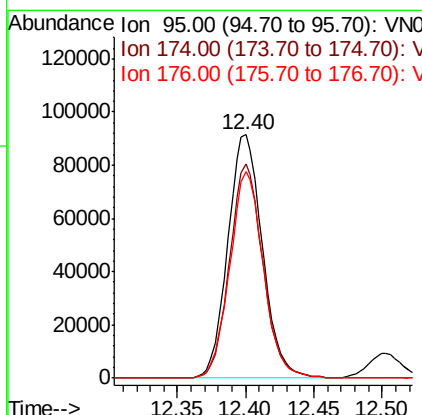
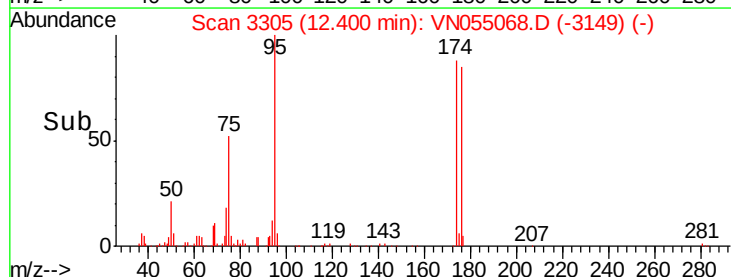
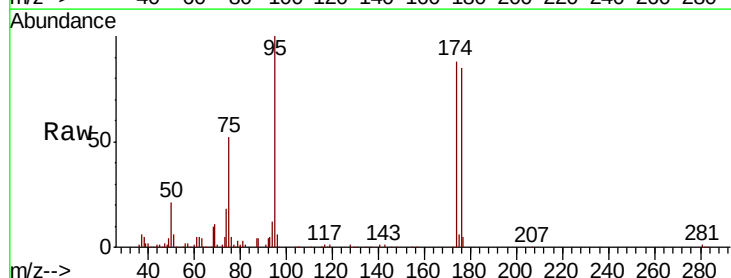
Manual Integrations
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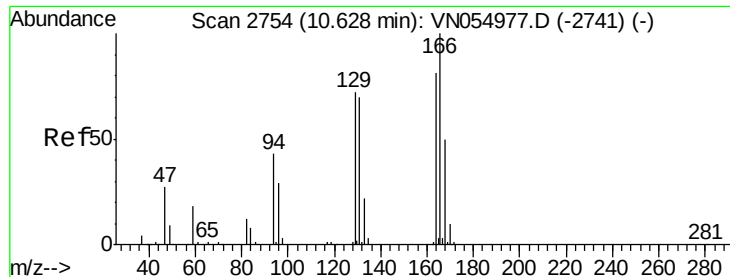
MMDadoda
4/17/2019 4:22:57 AM



#60
4-Bromofluorobenzene
Concen: 124.881 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	69.4	104.2
176	82.5	67.4	101.2





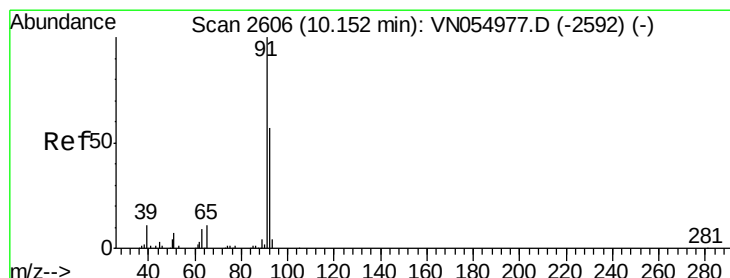
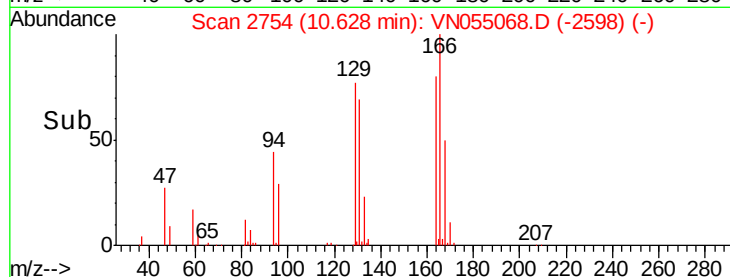
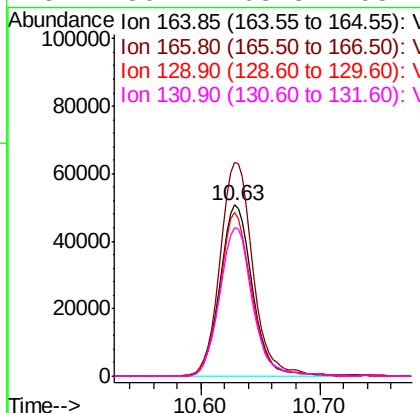
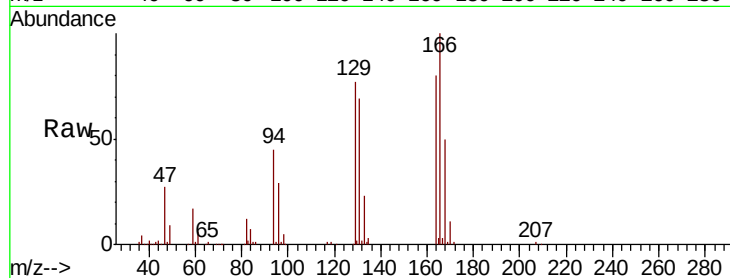
#61
Tetrachloroethene
Concen: 20.895 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.0	148.4
129	96.1	71.4	107.0
131	86.4	68.8	103.2

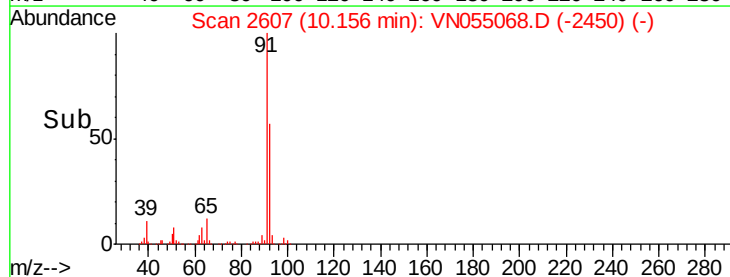
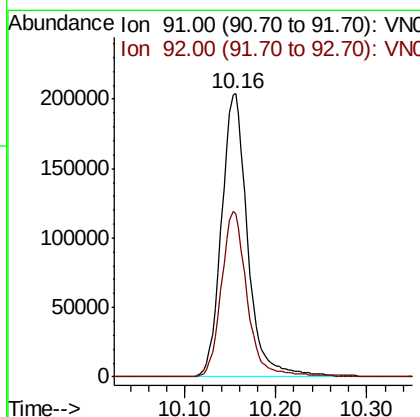
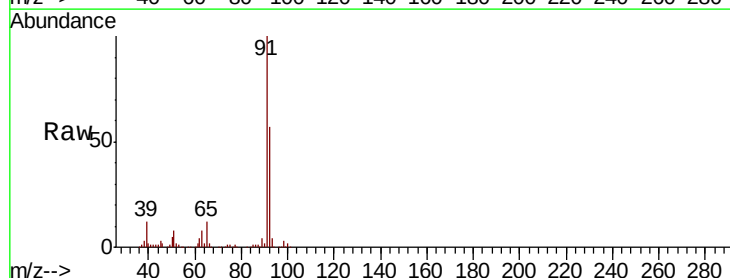
Manual Integrations
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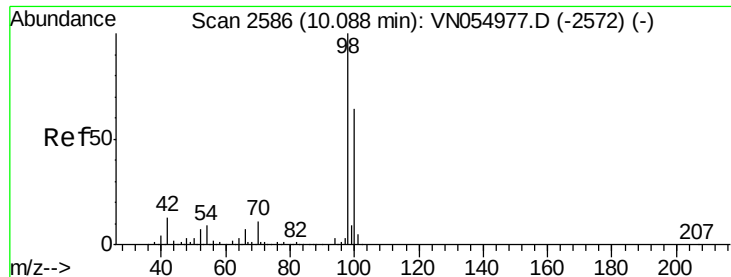
MMDadoda
4/17/2019 4:22:57 AM



#62
Toluene
Concen: 21.000 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	44.8	67.2





#63

Toluene-d8

Concen: 21.000 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 506371

Ion Ratio Lower Upper

98 100

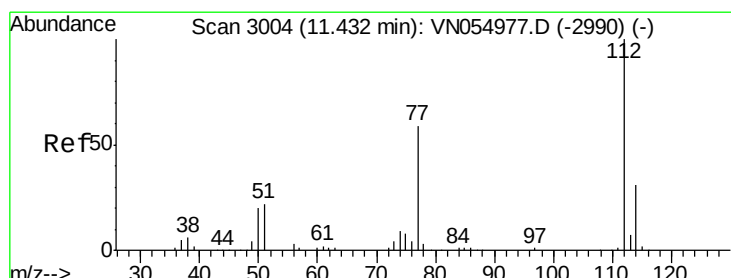
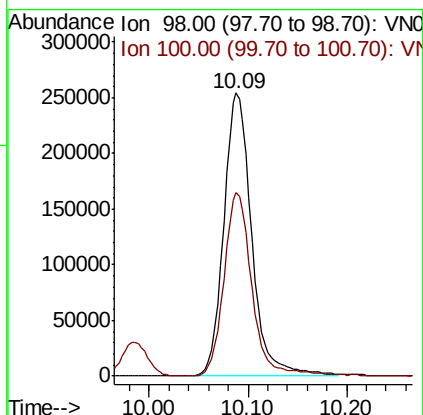
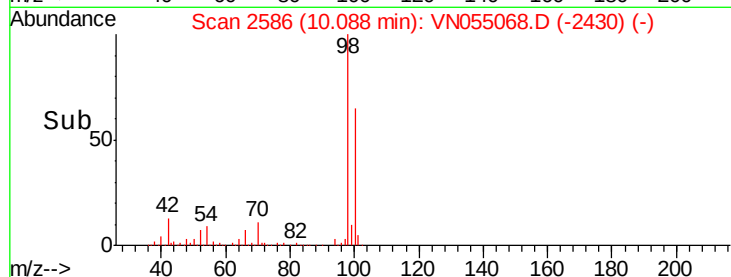
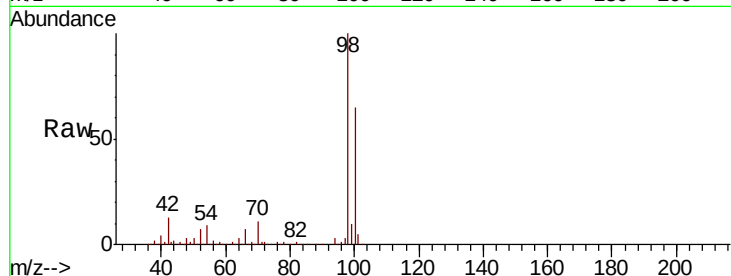
100 64.0 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 20.524 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055068.D

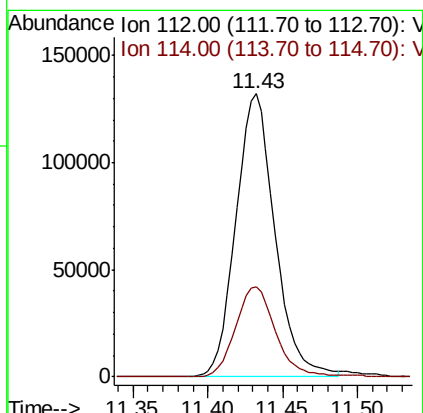
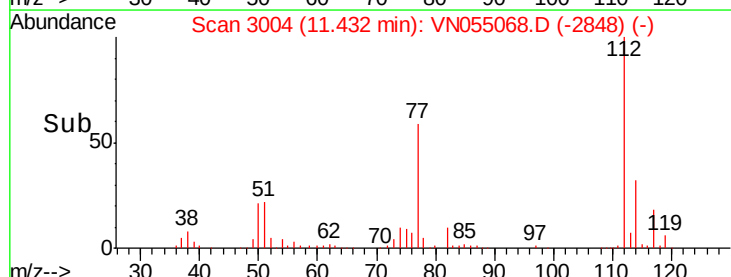
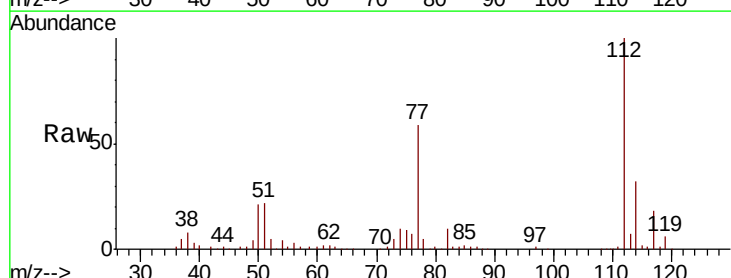
Acq: 16 Apr 2019 10:08

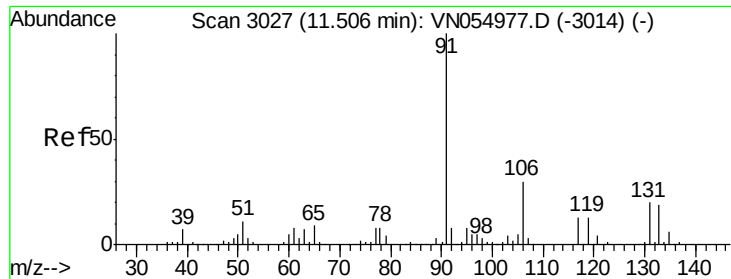
Tgt Ion: 112 Resp: 240684

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 21.953 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

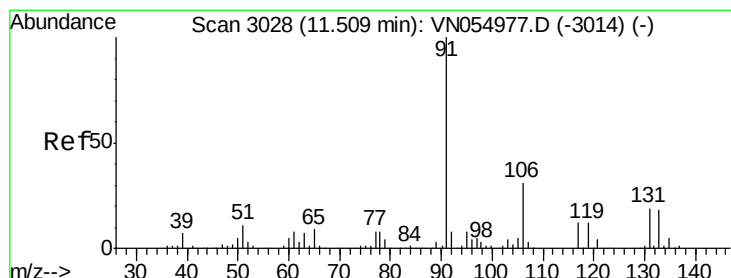
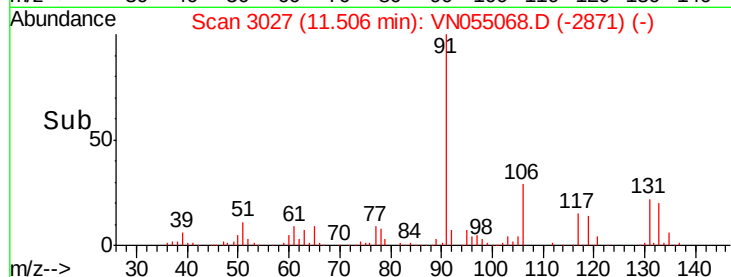
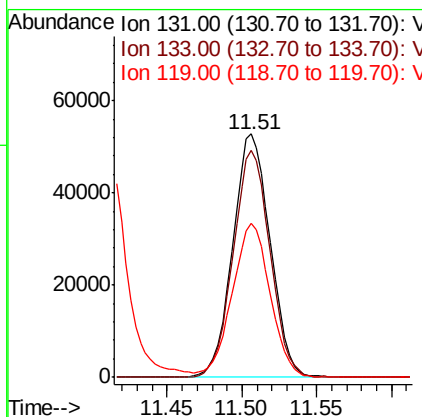
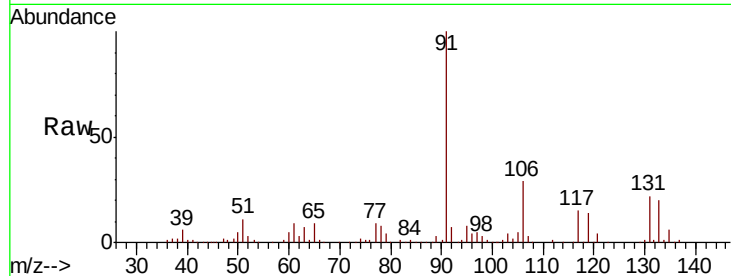
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	91562		
133	92.2	0.0	187.8	
119	64.6	0.0	131.4	

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#66

Ethyl Benzene

Concen: 20.868 ug/l

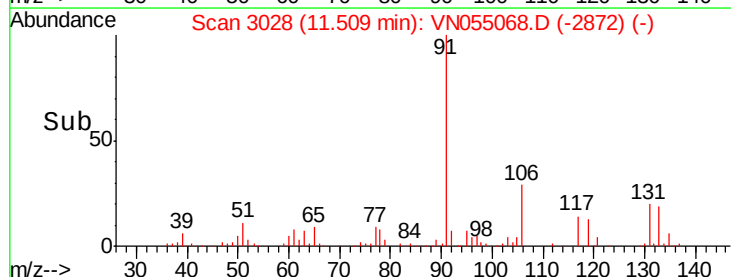
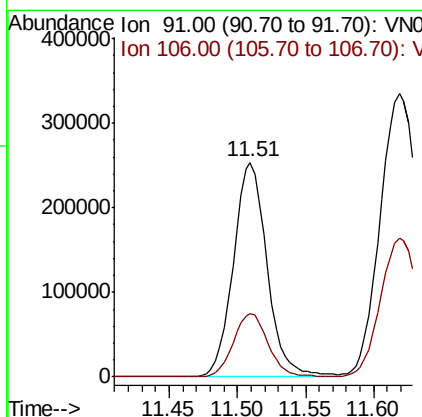
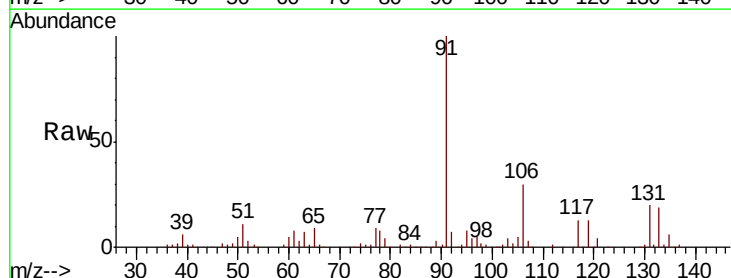
RT: 11.51 min Scan# 3028

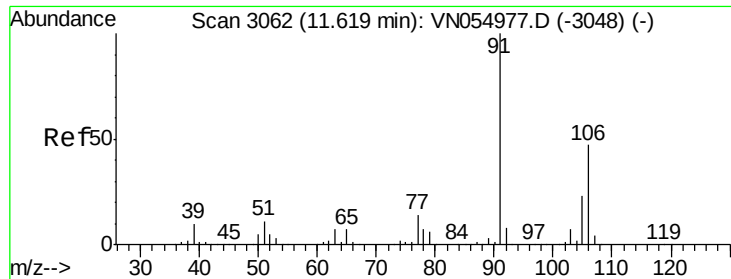
Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	434535		
106	29.7	24.6	36.8	





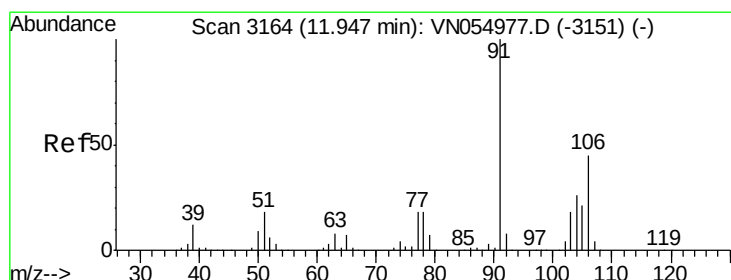
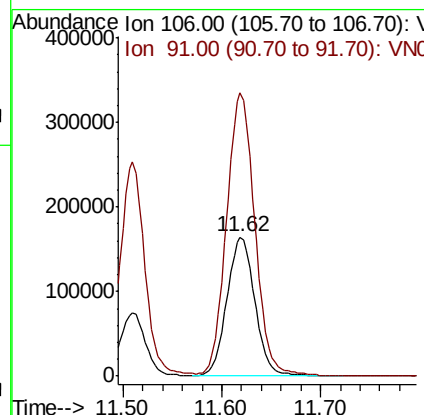
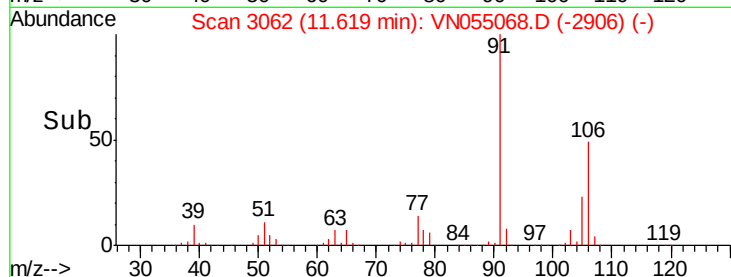
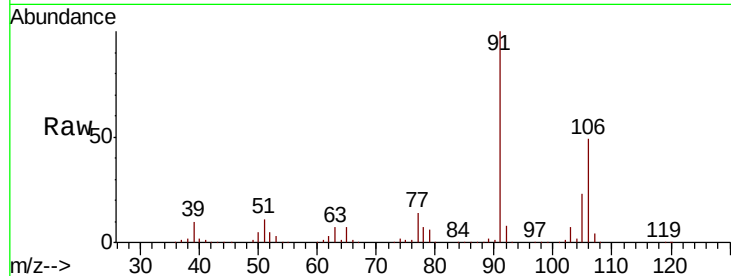
#67
m/p-Xylenes
Concen: 42.459 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 328633
Ion Ratio Lower Upper
106 100
91 205.2 167.4 251.2

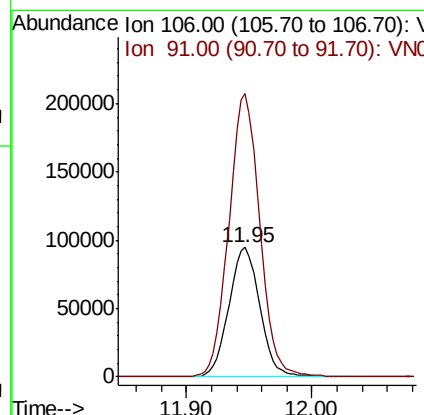
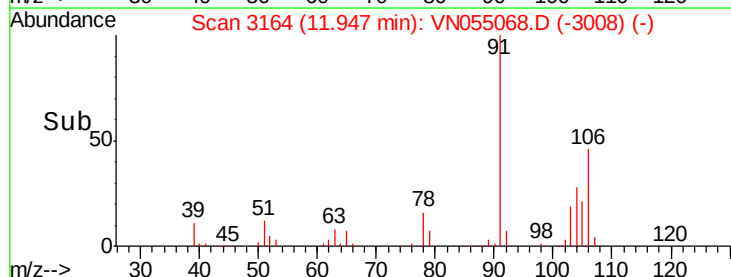
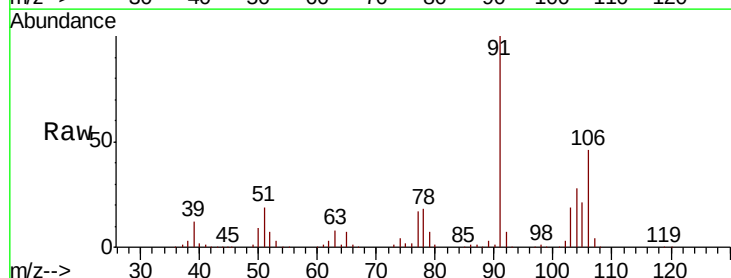
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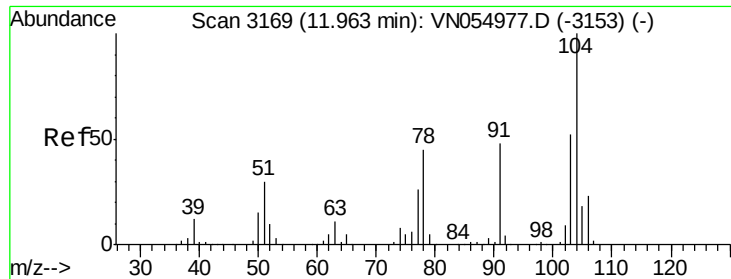
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#68
o-Xylene
Concen: 21.281 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion:106 Resp: 162774
Ion Ratio Lower Upper
106 100
91 217.3 110.3 330.8





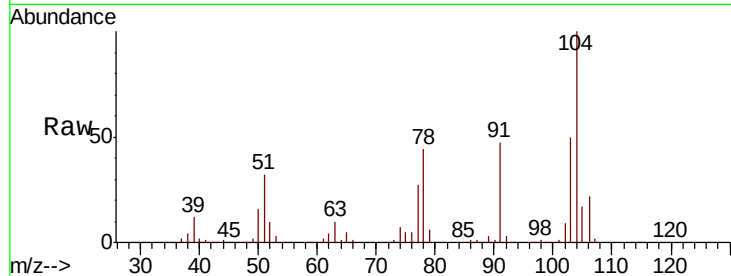
#69
Stvrene
Concen: 20.880 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

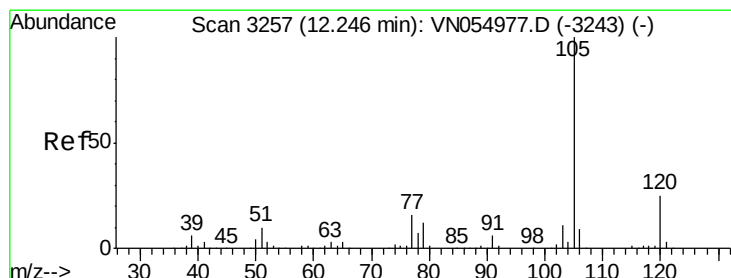
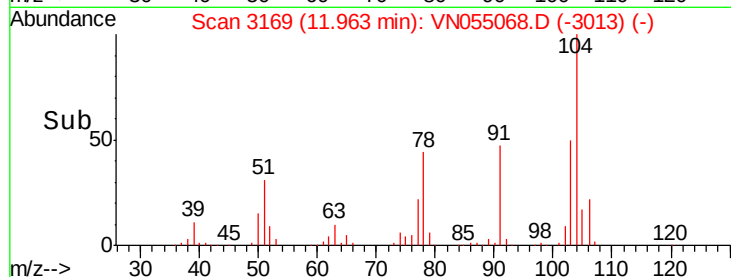
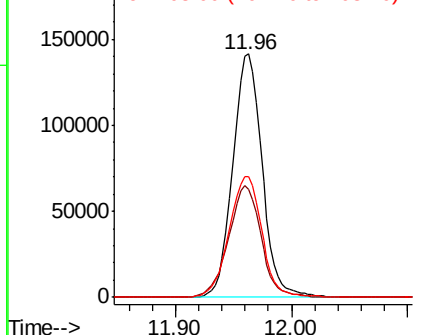
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.2	61.8
103	55.7	44.6	67.0

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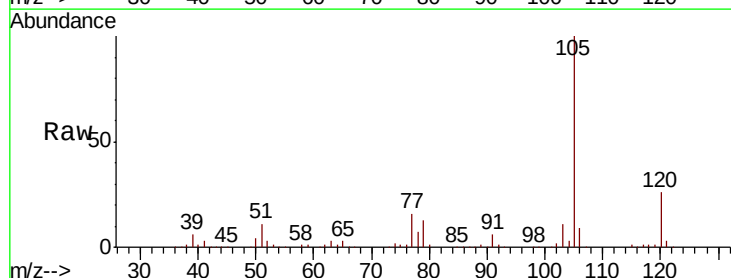


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

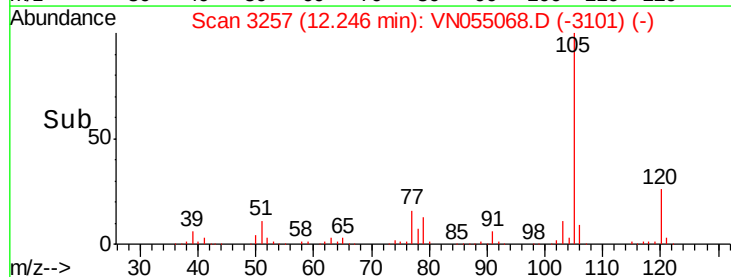
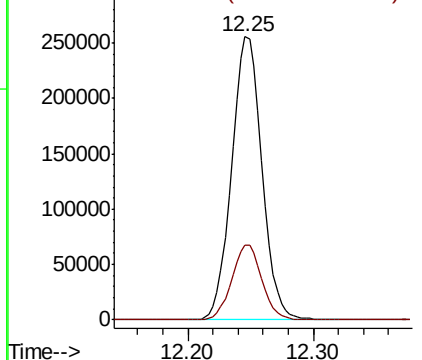


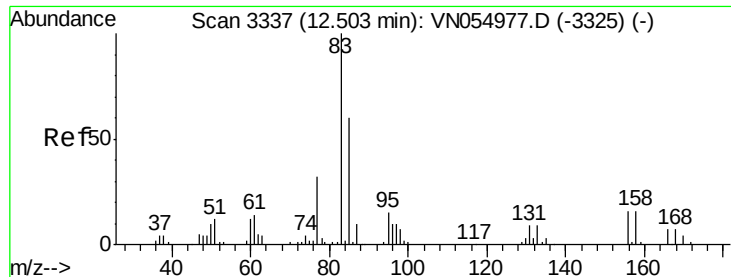
#70
Isopropylbenzene
Concen: 20.897 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.3	33.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





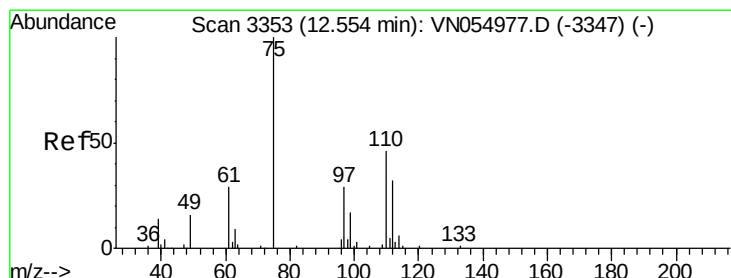
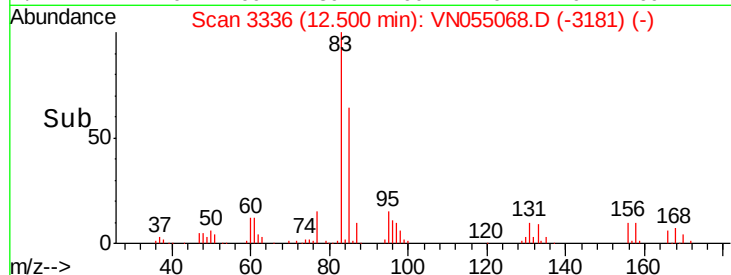
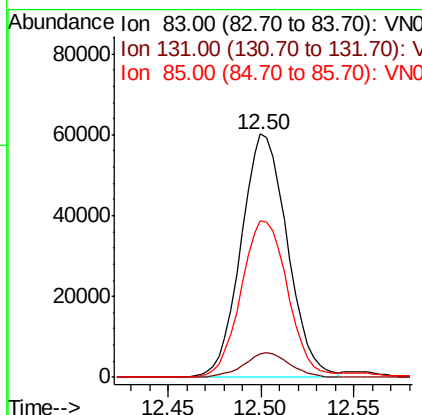
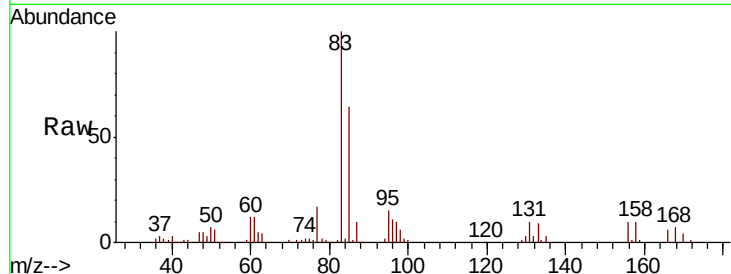
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.410 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	104823
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.6	13.8
85	64.9	30.9	92.5

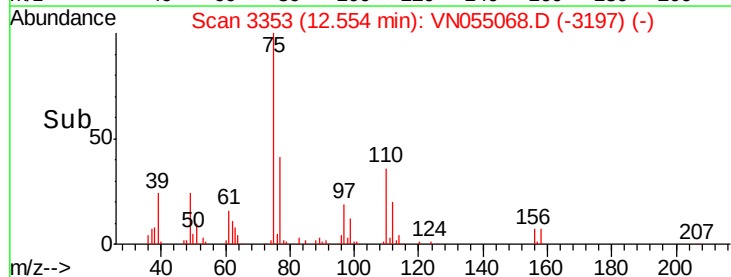
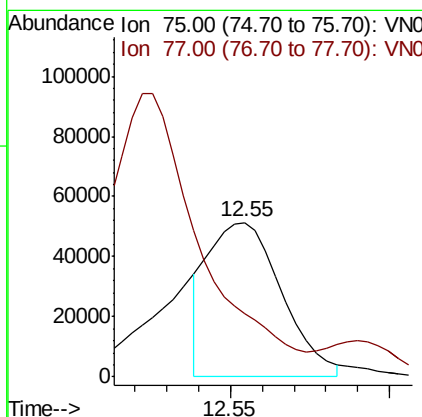
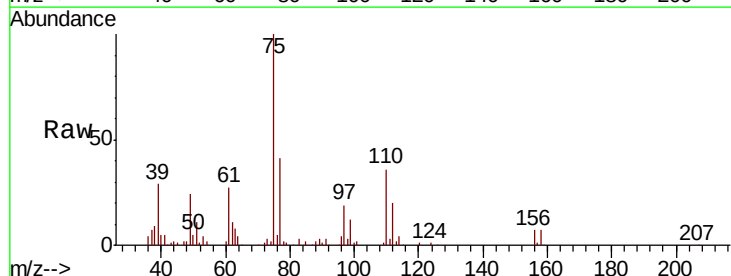
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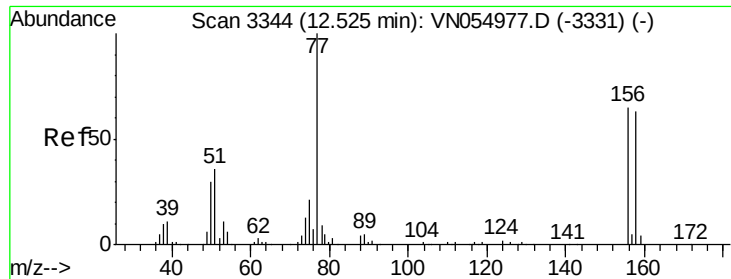
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#72
 1,2,3-Trichloropropane
 Concen: 21.402 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	75	Resp	82674
Ion Ratio	100	Lower	Upper
75	100		
77	234.7	0.0	466.6





#73

Bromobenzene

Concen: 20.494 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

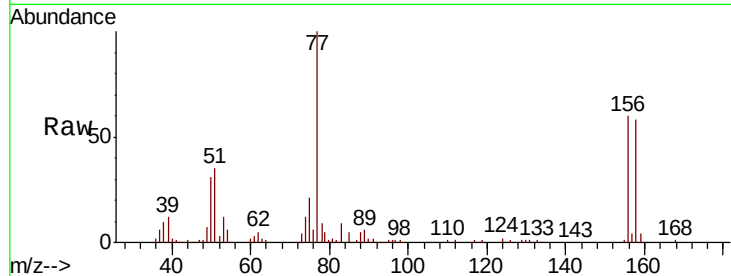
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	195.9	0.0	383.2		
158	98.7	0.0	193.8		

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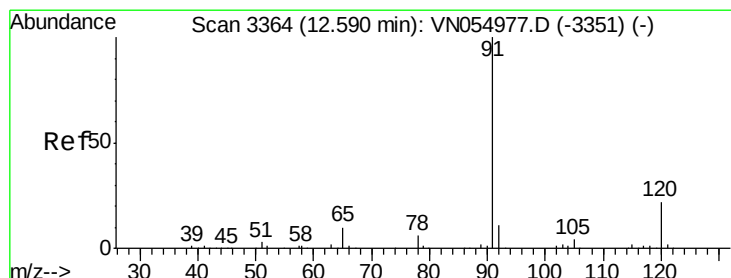
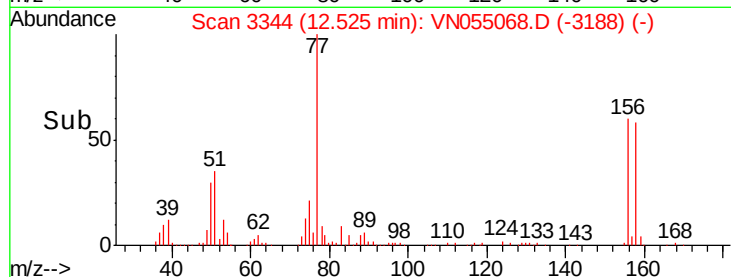
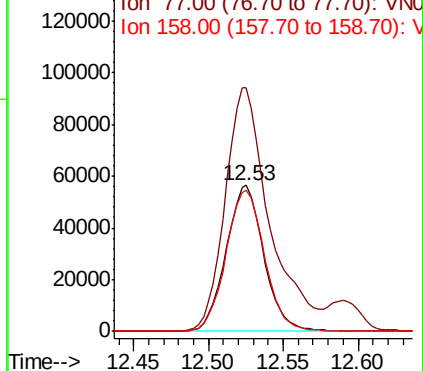


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.699 ug/l

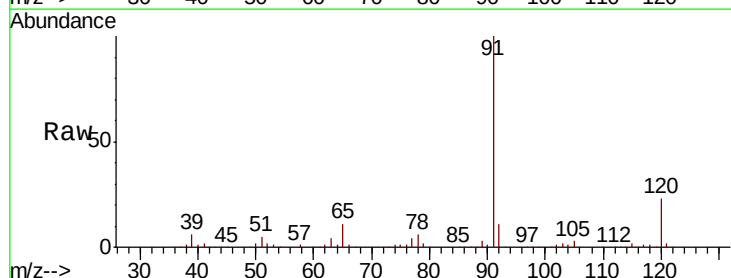
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

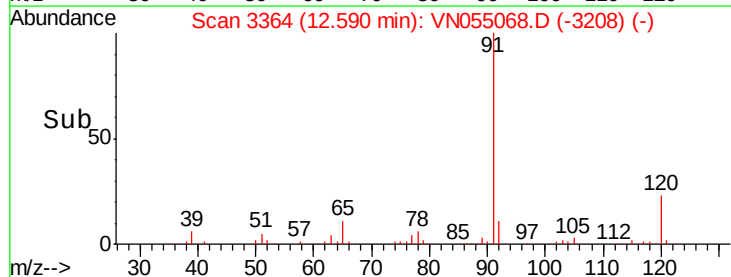
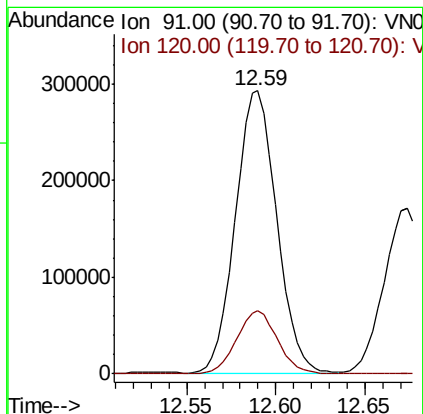
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.0	0.0	44.4		

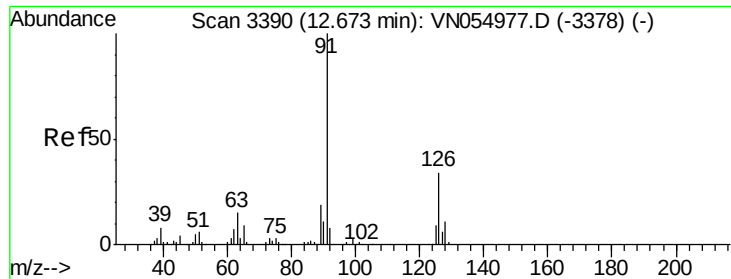


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.104 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 291415

Ion Ratio Lower Upper

91 100

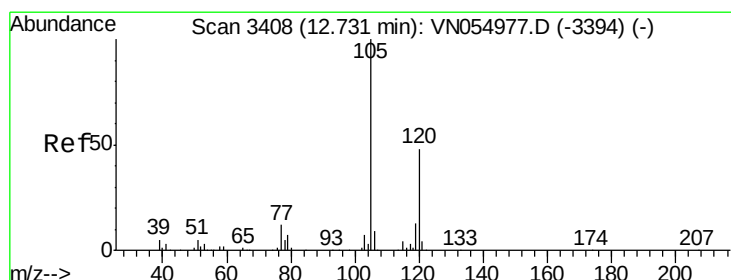
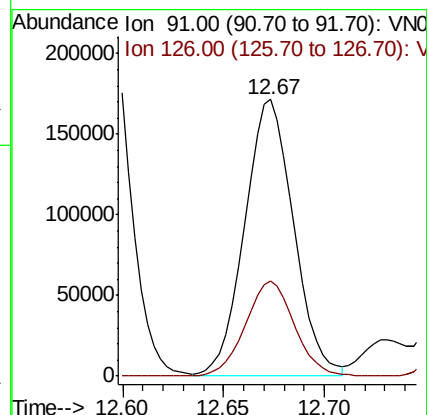
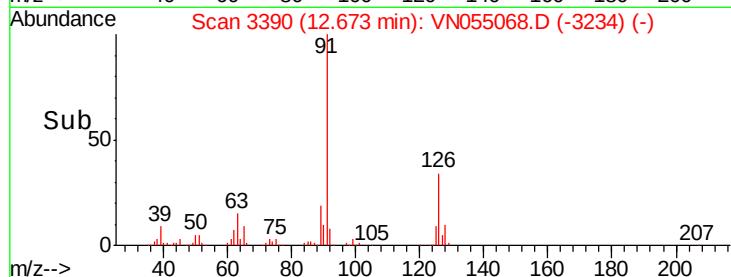
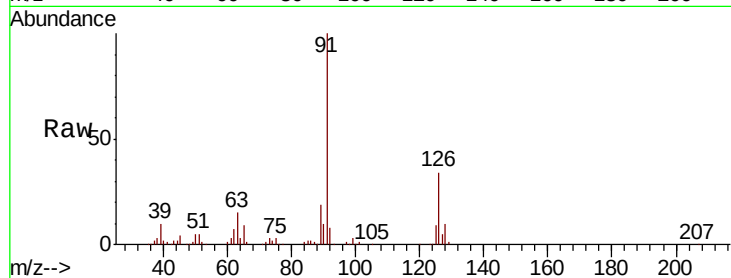
126 34.4 0.0 67.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.809 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055068.D

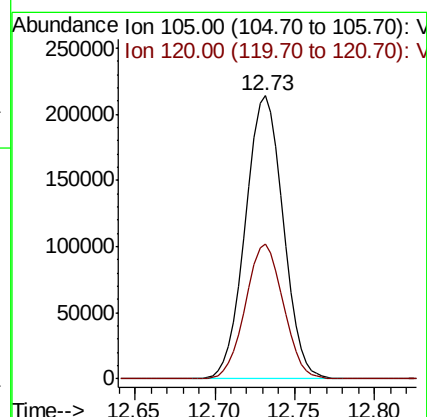
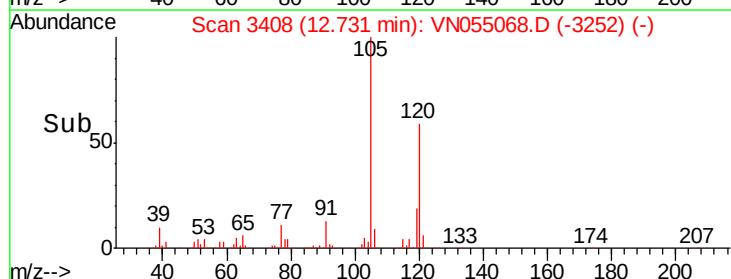
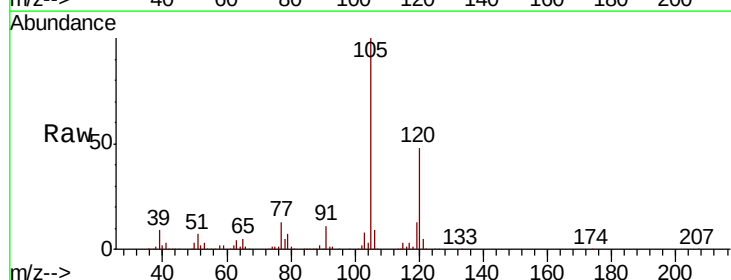
Acq: 16 Apr 2019 10:08

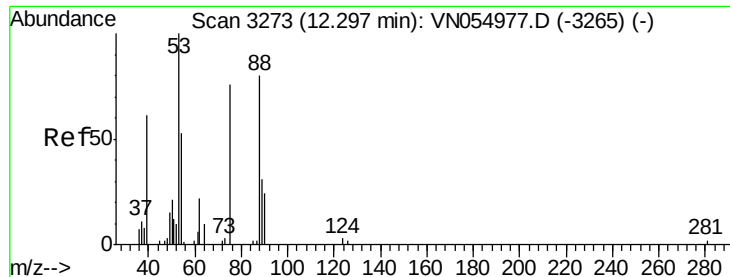
Tgt Ion: 105 Resp: 344060

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 20.664 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

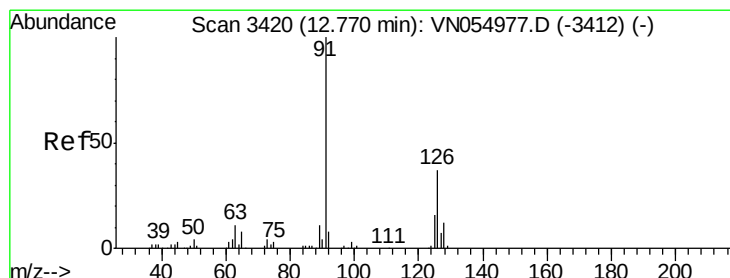
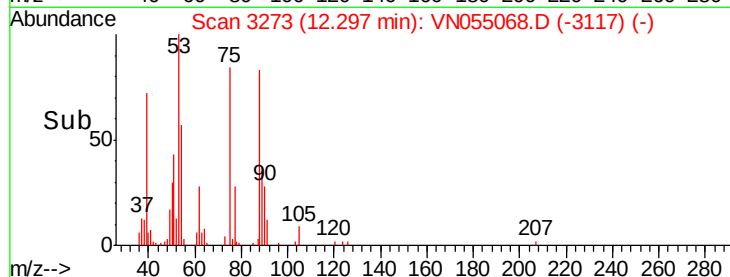
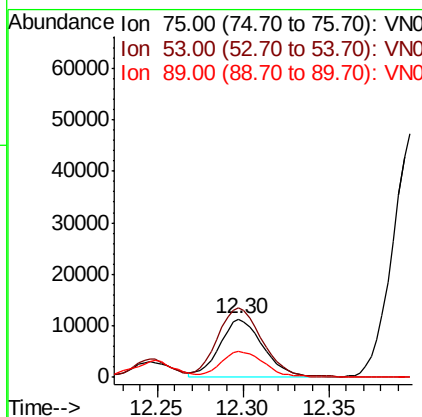
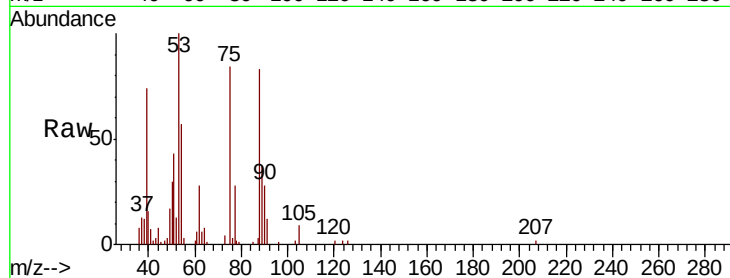
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	20120
Ion	Ratio	Lower	Upper
75	100		
53	117.0	64.3	192.7
89	43.5	21.6	65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.726 ug/l

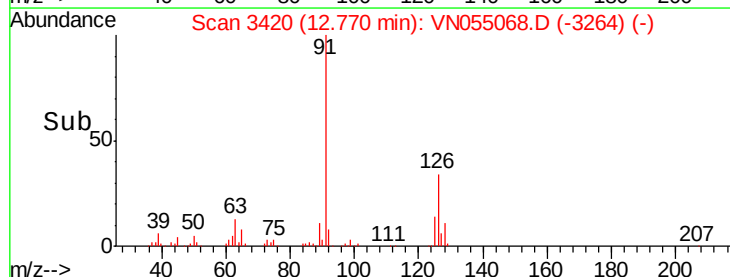
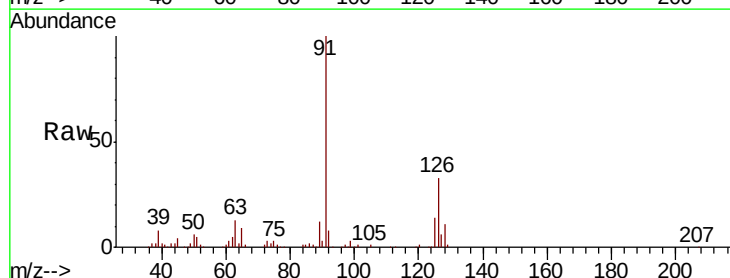
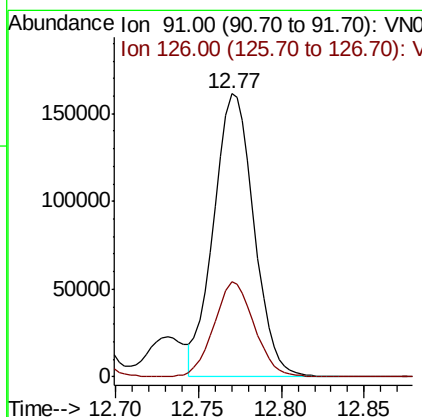
RT: 12.77 min Scan# 3420

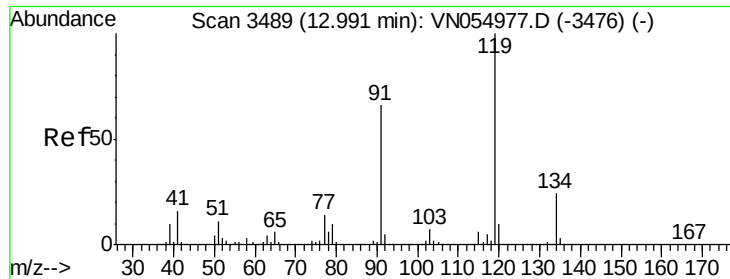
Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Tgt Ion:	91	Resp:	272689
Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	66.6





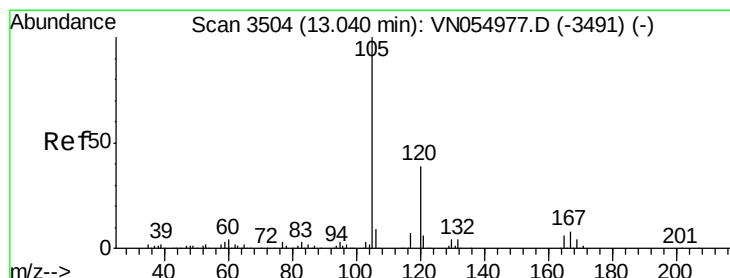
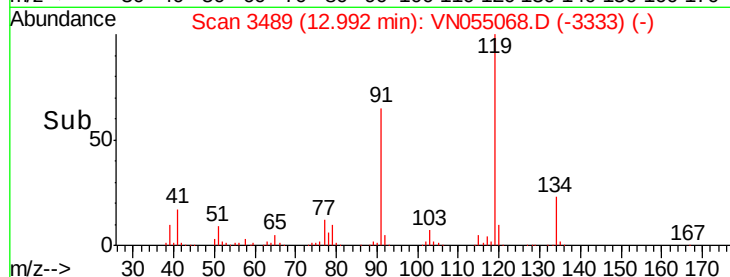
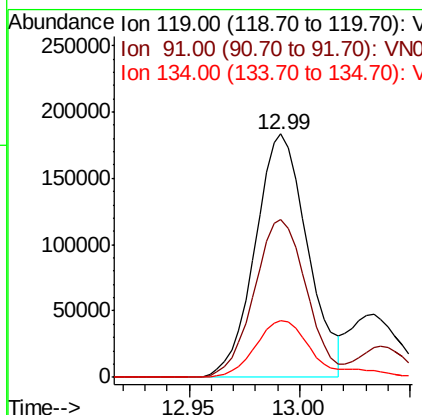
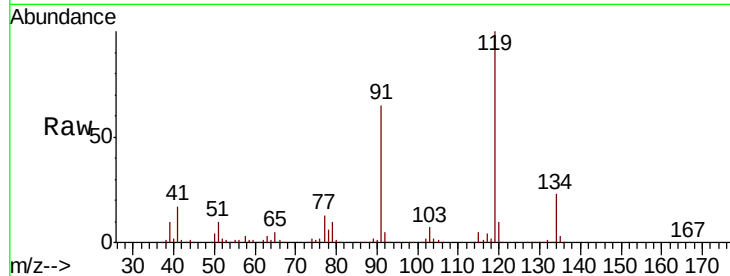
#79
tert-butylbenzene
Concen: 21.102 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301884		
91	65.3	0.0	132.6	
134	23.9	0.0	47.6	

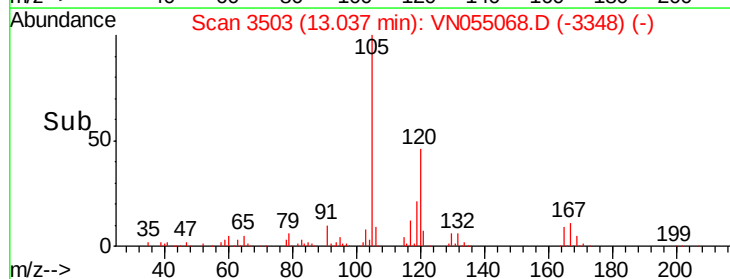
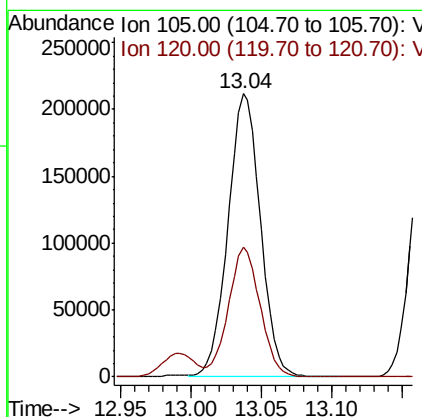
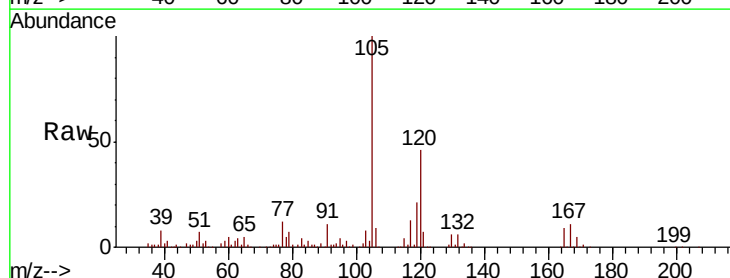
Manual Integrations
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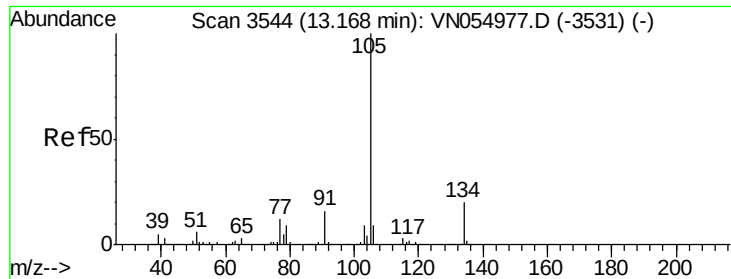
MMDadoda
4/17/2019 4:22:57 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.939 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340099		
120	45.1	0.0	91.4	





#81

sec-Butylbenzene

Concen: 20.493 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:105 Resp: 391728

Ion Ratio Lower Upper

105 100

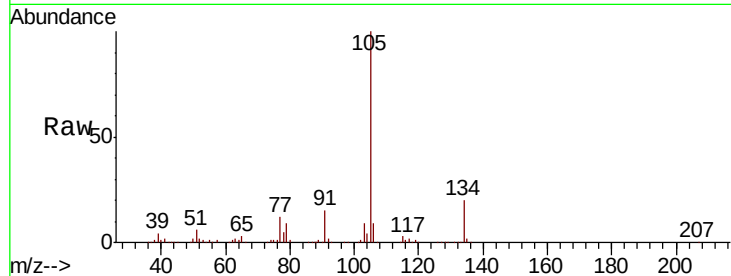
134 20.1 0.0 40.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

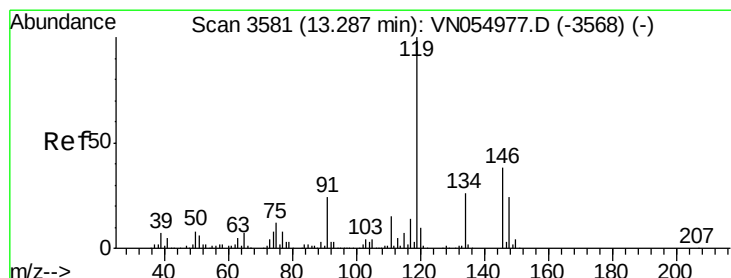
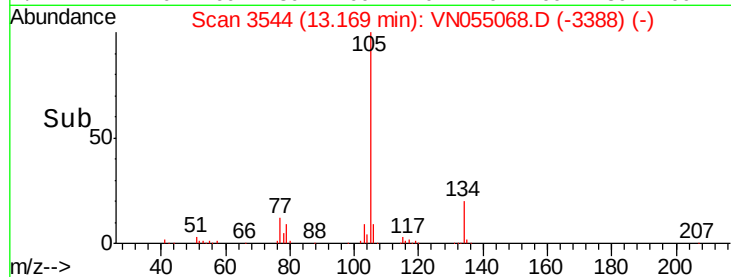
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.495 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

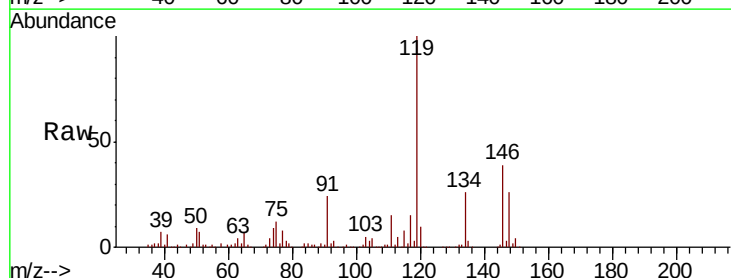
Tgt Ion:119 Resp: 330638

Ion Ratio Lower Upper

119 100

134 26.1 0.0 53.2

91 23.2 0.0 47.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

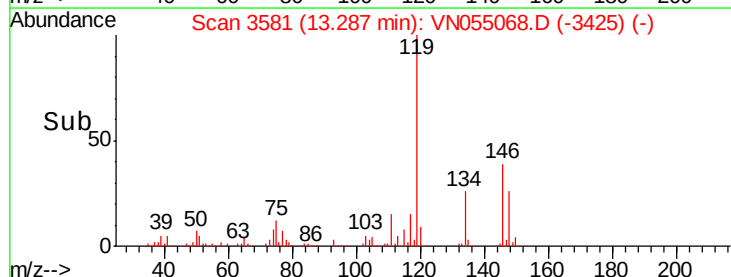
150000

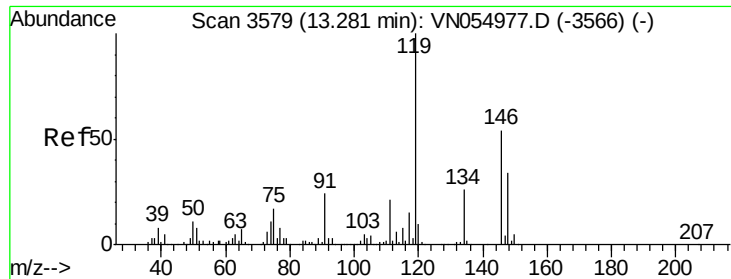
100000

50000

0

Time-->





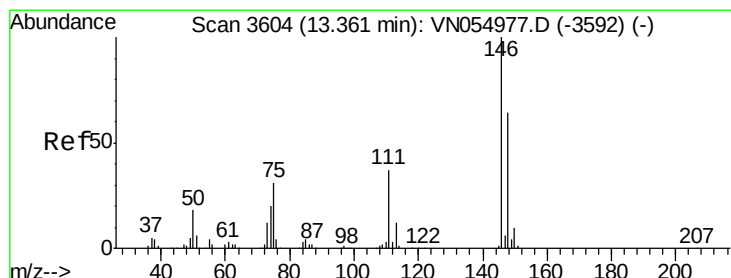
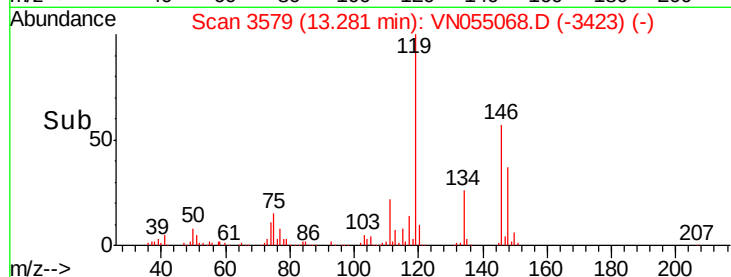
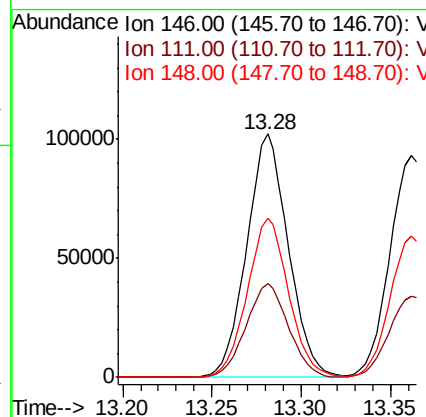
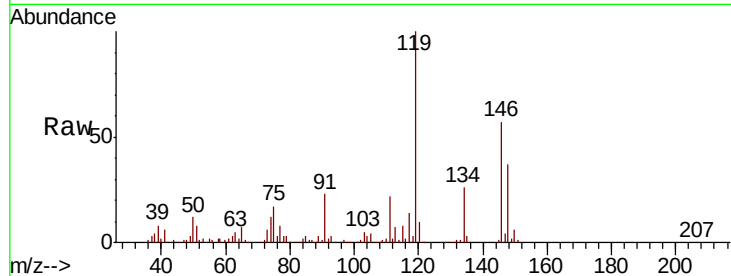
#83
 1,3-Dichlorobenzene
 Concen: 20.636 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166877		
111	39.3	19.1	57.5	
148	65.2	31.9	95.5	

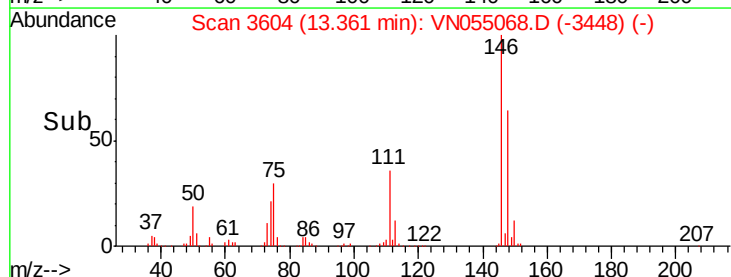
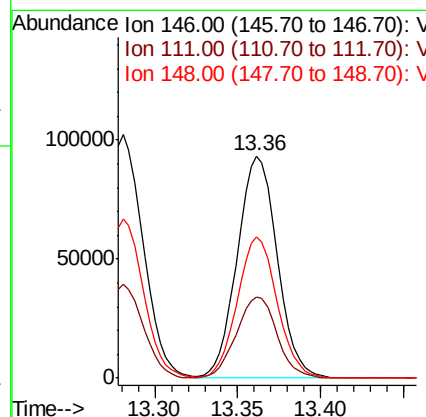
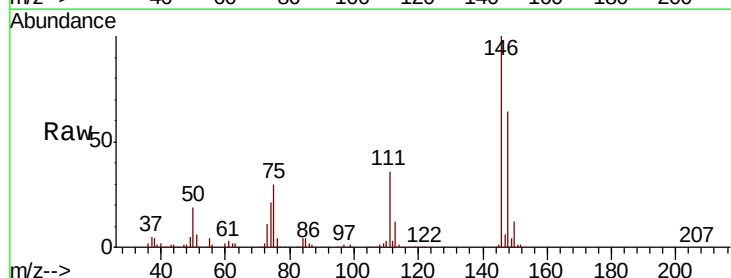
Manual Integrations
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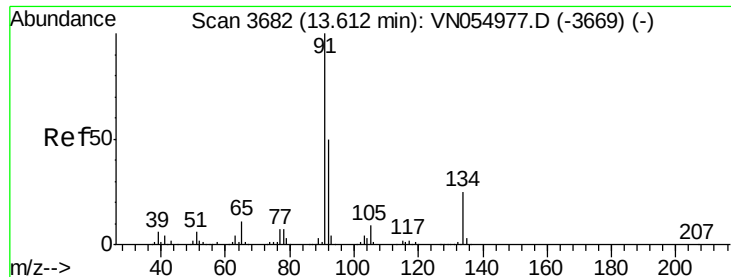
MMDadoda
 4/17/2019 4:22:57 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.398 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156750		
111	36.4	18.4	55.2	
148	63.2	32.5	97.4	





#85

n-Butylbenzene

Concen: 19.024 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

Instrument :

MSVOA_N

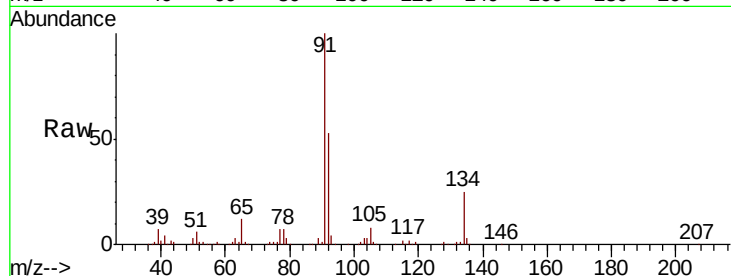
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	244481
Ion Ratio	Lower	Upper	
91	100		
92	52.5	0.0	101.4
134	25.1	0.0	49.8

Manual Integrations
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MMDadoda
4/17/2019 4:22:57 AM

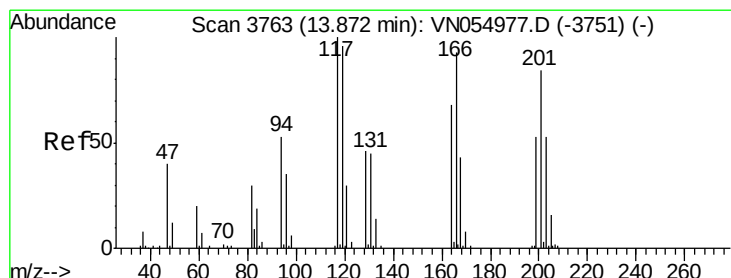
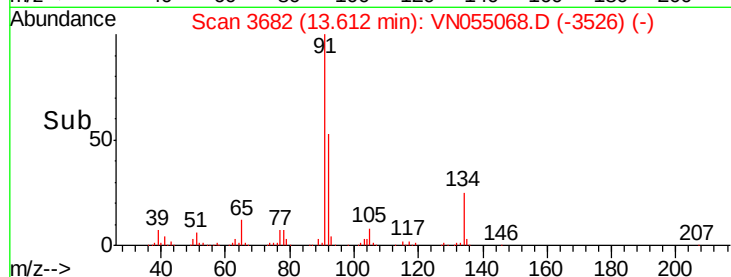
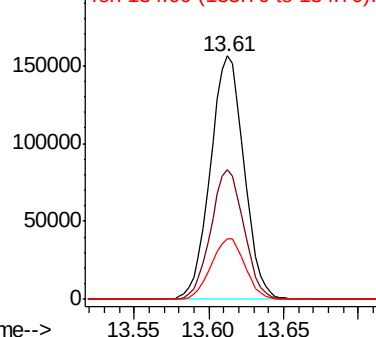


Abundance

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) (-)



#86

Hexachloroethane

Concen: 20.040 ug/l

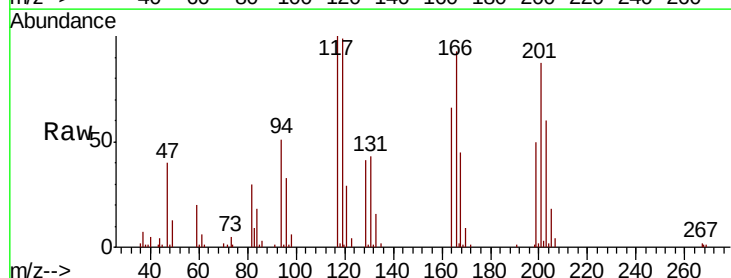
RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055068.D

Acq: 16 Apr 2019 10:08

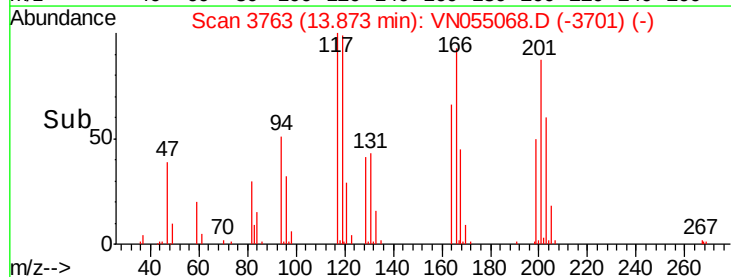
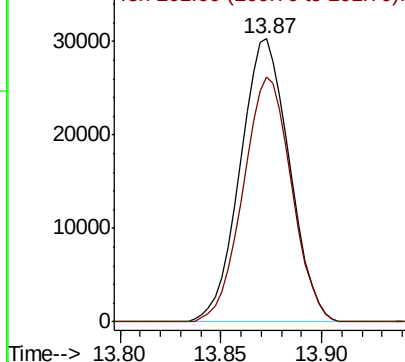
Tgt Ion:	117	Resp:	51755
Ion Ratio	Lower	Upper	
117	100		
201	85.0	42.8	128.3

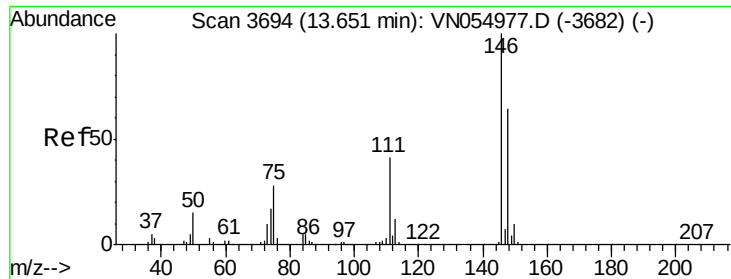


Abundance

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

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





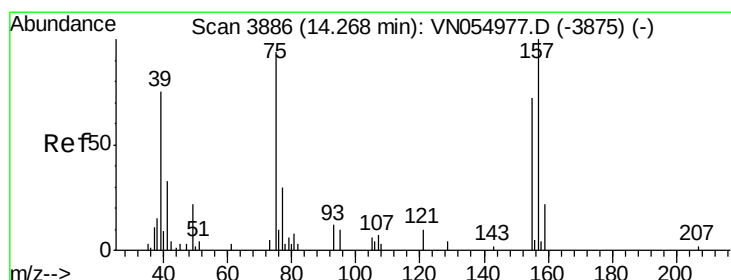
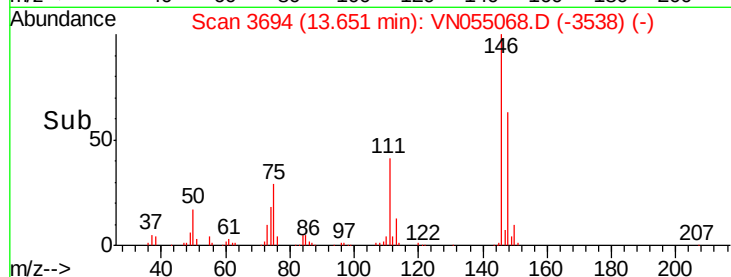
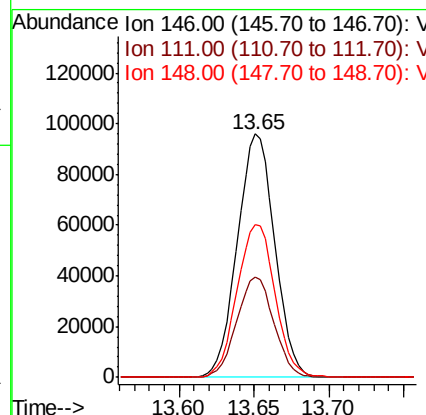
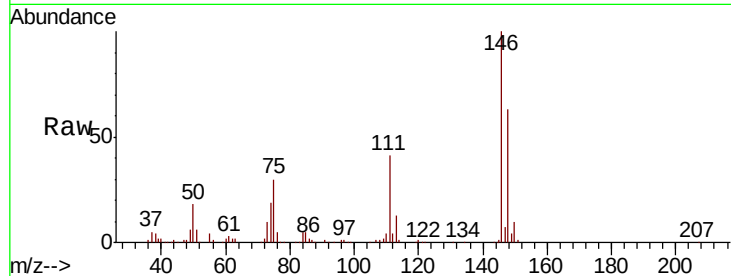
#87
 1,2-Dichlorobenzene
 Concen: 21.106 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.7	32.5	97.5

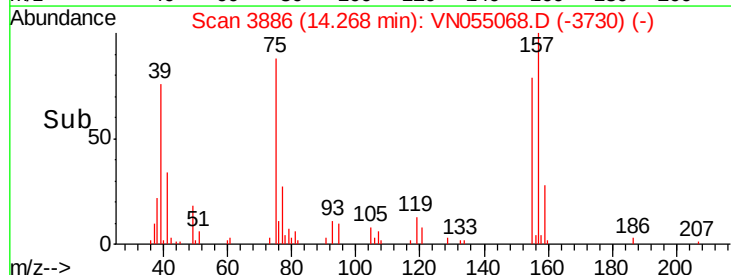
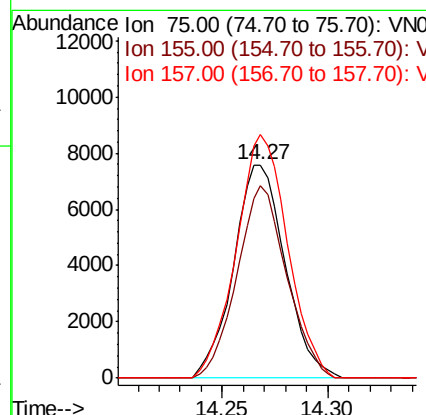
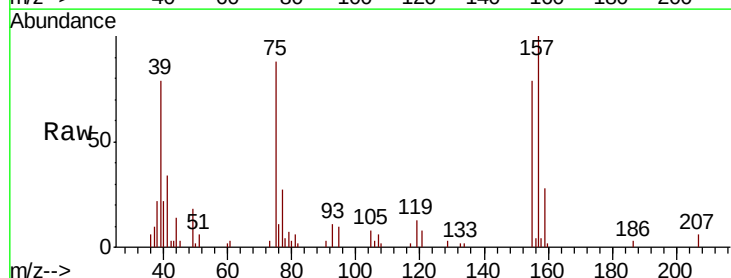
Manual Integrations
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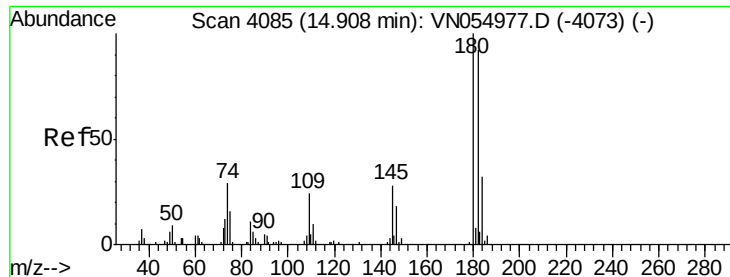
MMDadoda
 4/17/2019 4:22:57 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.709 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	61.8	92.8
157	113.6	82.7	124.1





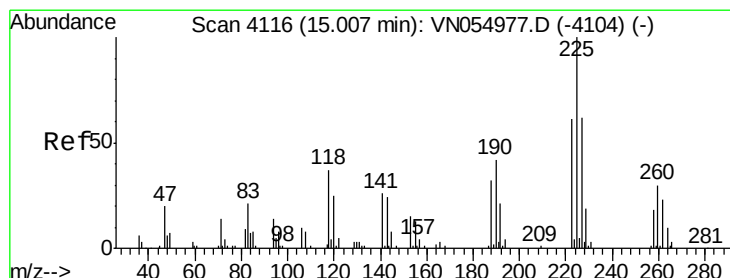
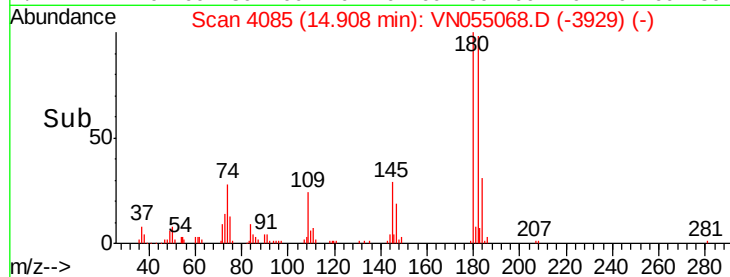
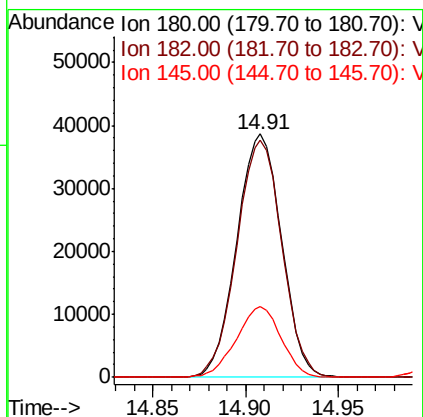
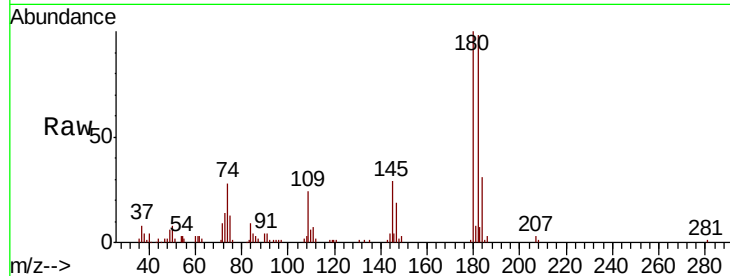
#89
 1,2,4-Trichlorobenzene
 Concen: 18.275 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	73.2	109.8
145	29.3	23.2	34.8

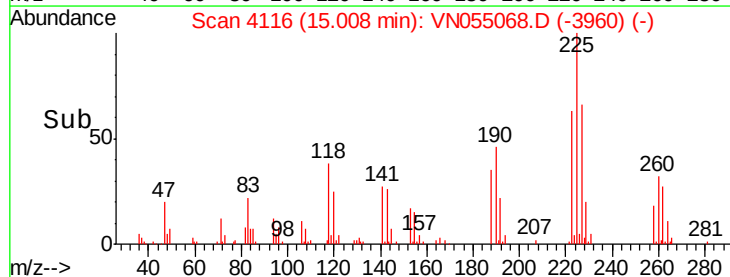
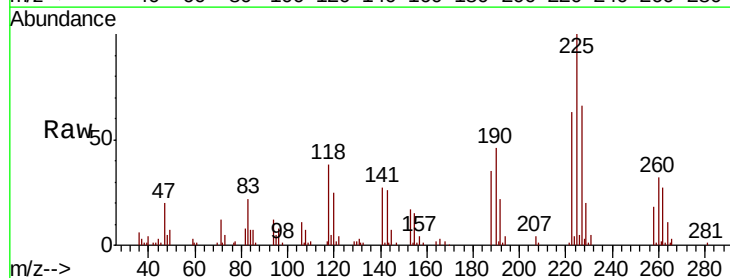
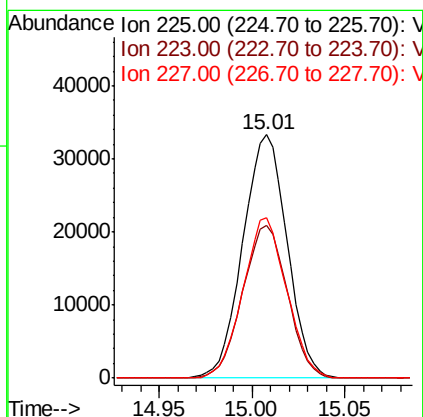
Manual Integrations
 APPROVED

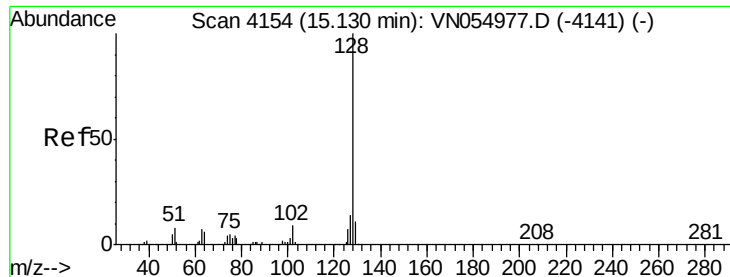
MMDadoda
 4/17/2019 4:22:57 AM



#90
 Hexachlorobutadiene
 Concen: 21.354 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055068.D
 Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	126.0
227	65.1	0.0	125.4





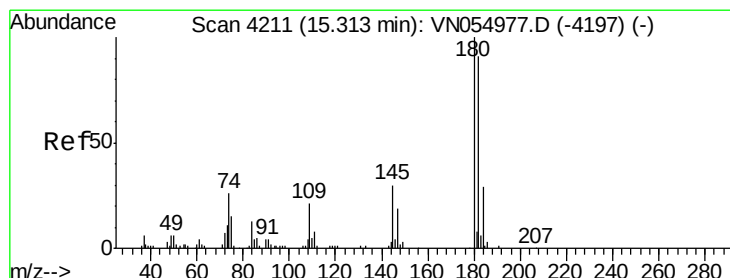
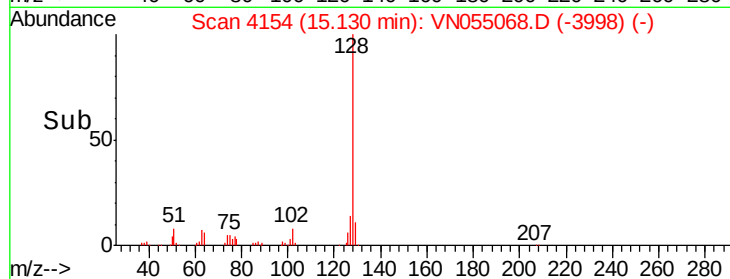
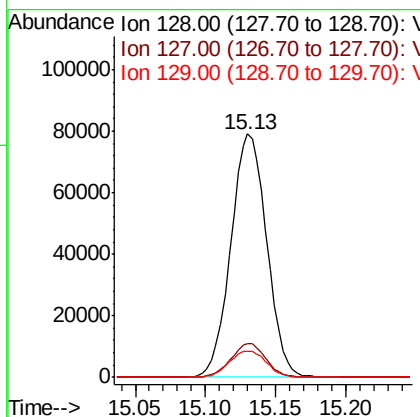
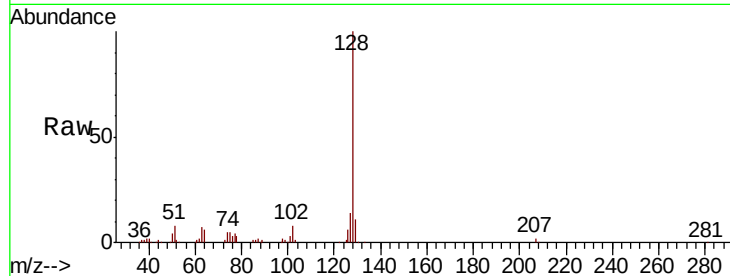
#91
Naphthalene
Concen: 19.016 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	9.0	13.6

Manual Integrations
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4/17/2019 4:22:57 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.924 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055068.D
Acq: 16 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	188.2
145	30.1	0.0	61.2

