

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054977.D
 Acq On : 11 Apr 2019 14:54
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:07 PM

Quant Time: Apr 12 07:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:37:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	69541	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	389900	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	342093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164167	32.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.77%
60) 4-Bromofluorobenzene	12.40	95	155395	29.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.53%
63) Toluene-d8	10.09	98	494336	29.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	84882	24.315	ug/l 100
3) Chloromethane	2.06	50	109803	23.763	ug/l 100
4) Vinyl Chloride	2.19	62	95799	20.902	ug/l 100
5) Bromomethane	2.56	94	54369	19.395	ug/l 100
6) Chloroethane	2.71	64	53277	19.856	ug/l 100
7) Trichlorofluoromethane	3.02	101	124854	22.337	ug/l 100
8) Diethyl Ether	3.41	74	39058	18.961	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68398	19.203	ug/l 100
10) 1,1-Dichloroethene	3.73	96	62135	18.716	ug/l 100
11) Methyl Iodide	3.94	142	90527	18.549	ug/l 100
12) Methyl Acetate	4.33	43	73585	25.786	ug/l 100
13) Acrolein	3.61	56	32005	116.957	ug/l 100
14) Acrylonitrile	5.00	53	148643	110.717	ug/l 100
15) Acetone	3.82	58	44396	114.209	ug/l 100
16) Carbon Disulfide	4.04	76	194325	18.134	ug/l 100
17) Allyl chloride	4.31	41	148750	25.002	ug/l 100
18) Methylene Chloride	4.54	84	89565	22.972	ug/l 100
19) trans-1,2-Dichloroethene	5.03	96	79521	21.892	ug/l 100
20) Diisopropyl ether	5.96	45	300273	25.123	ug/l 100
21) 1,1-Dichloroethane	5.84	63	163005	23.123	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	91225	22.486	ug/l 100
23) tert-Butyl Alcohol	4.81	59	22708	95.856	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	199836	22.219	ug/l 100
25) Chloroform	7.37	83	156572	23.044	ug/l 100
26) Cyclohexane	7.65	56	149106	23.369	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	118323	22.110	ug/l 100
30) 2-Butanone	6.84	43	202852	120.272	ug/l 100
31) 2,2-Dichloropropane	6.82	77	107085	20.377	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	123233	21.413	ug/l 100
33) Carbon Tetrachloride	7.77	117	104869	20.627	ug/l 100
34) Benzene	8.04	78	348203	21.898	ug/l 100
35) Methacrylonitrile	7.18	41	46871	24.357	ug/l 100
36) 1,2-Dichloroethane	8.12	62	120213	23.280	ug/l 100
37) Trichloroethene	8.83	130	90112	21.638	ug/l 100
38) Methylcyclohexane	9.08	83	137107	21.734	ug/l 100
39) 1,2-Dichloropropane	9.12	63	96130	21.980	ug/l 100
40) Dibromomethane	9.21	93	55070	22.030	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	109321	20.715	ug/l	100
42) Vinyl Acetate	5.90	43	938491	108.733	ug/l	100
43) Ethyl Acetate	6.94	43	77724	22.066	ug/l	100
44) Isopropyl Acetate	8.17	43	125133	20.383	ug/l	100
45) 1,4-Dioxane	9.21	88	15367	470.876	ug/l	100
46) Methyl methacrylate	9.20	41	63786	21.590	ug/l	100
47) n-amyl Acetate	12.07	43	90183	20.340	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	91460	17.589	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	120019	19.504	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	73264	20.975	ug/l	100
51) Ethyl methacrylate	10.43	69	79282	19.286	ug/l	100
52) 1,3-Dichloropropane	10.71	76	128548	21.500	ug/l	100
53) Dibromochloromethane	10.90	129	71621	18.893	ug/l	100
54) 1,2-Dibromoethane	11.00	107	65136	19.795	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	177799	94.056	ug/l	100
56) Bromoform	12.12	173	42414	17.024	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	370415	111.049	ug/l	100
59) 2-Hexanone	10.75	43	246213	112.939	ug/l	100
61) Tetrachloroethene	10.63	164	90438	21.525	ug/l	100
62) Toluene	10.15	91	371016	22.110	ug/l	100
64) Chlorobenzene	11.43	112	223933	21.873	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	76896	20.577	ug/l	100
66) Ethyl Benzene	11.51	91	391670	22.333	ug/l	100
67) m/p-Xylenes	11.62	106	297197	45.218	ug/l	100
68) o-Xylene	11.95	106	145732	22.785	ug/l	100
69) Styrene	11.96	104	220912	22.043	ug/l	100
70) Isopropylbenzene	12.25	105	393428	23.424	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	88443	21.493	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	74839m	23.809	ug/l	100
73) Bromobenzene	12.53	156	91116	21.651	ug/l	100
74) n-propylbenzene	12.59	91	441270	22.183	ug/l	100
75) 2-Chlorotoluene	12.67	91	266371	22.784	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	321549	22.712	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	15397	14.417	ug/l	100
78) 4-Chlorotoluene	12.77	91	247593	21.343	ug/l	100
79) tert-butylbenzene	12.99	119	276794	22.262	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	307600	21.975	ug/l	100
81) sec-Butylbenzene	13.17	105	371988	21.907	ug/l	100
82) p-Isopropyltoluene	13.29	119	312567	21.634	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	150821	20.500	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	140758	20.086	ug/l	100
85) n-Butylbenzene	13.61	91	233021	18.842	ug/l	100
86) Hexachloroethane	13.87	117	47175	17.546	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	149406	20.924	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11236	19.335	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	56267	16.107	ug/l	100
90) Hexachlorobutadiene	15.01	225	51861	19.634	ug/l	100
91) Naphthalene	15.13	128	108228	15.610	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	59100	16.966	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

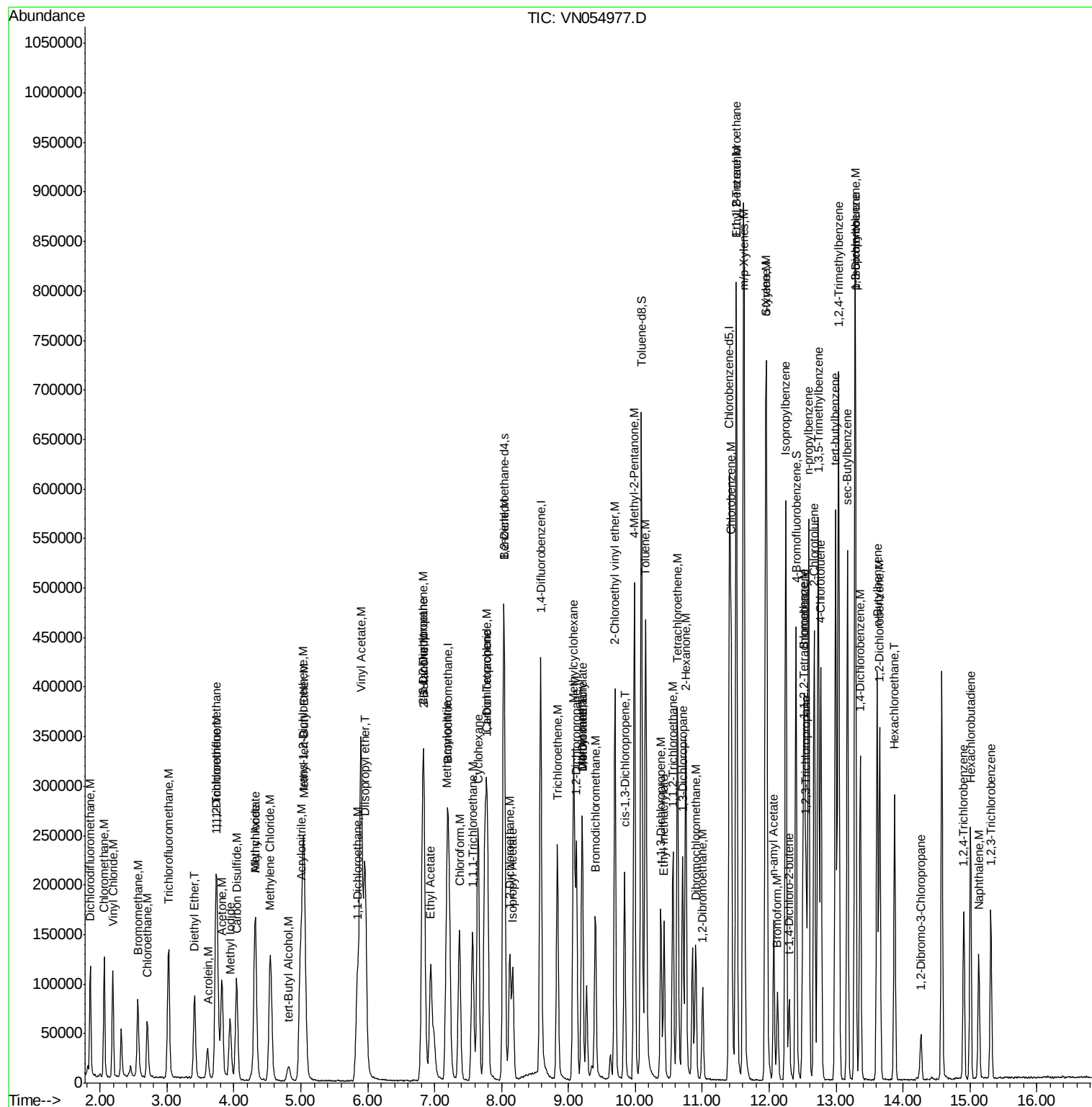
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
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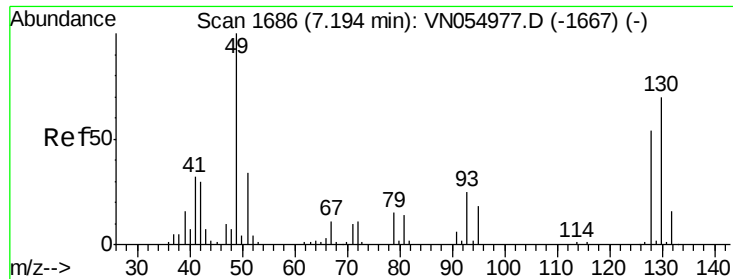
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

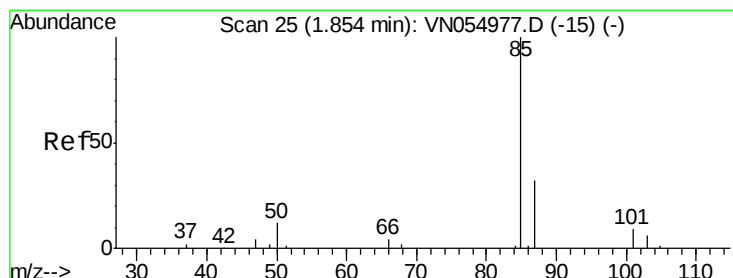
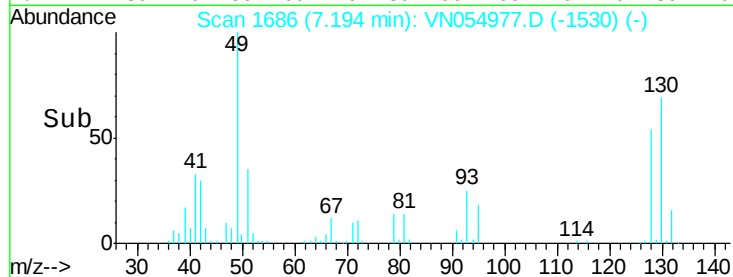
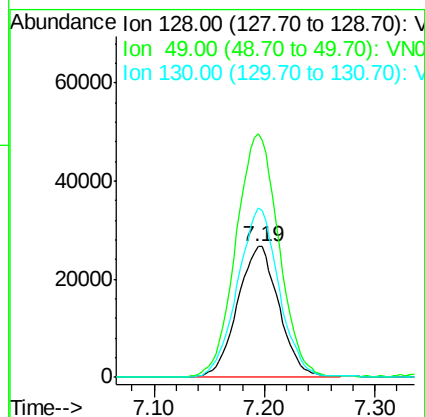
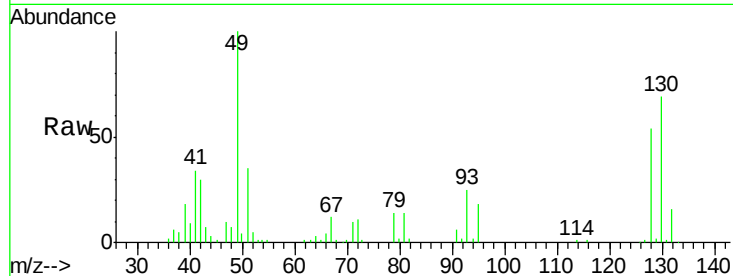
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	192.1	0.0	480.3
130	128.9	0.0	322.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 24.315 ug/l

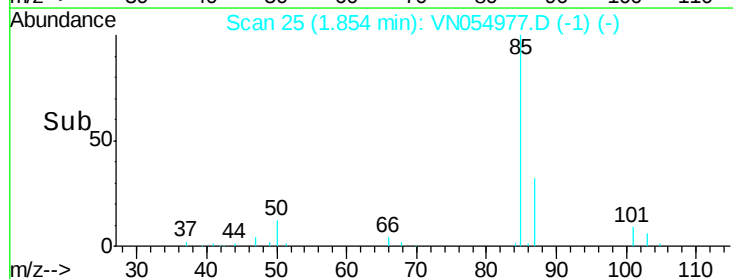
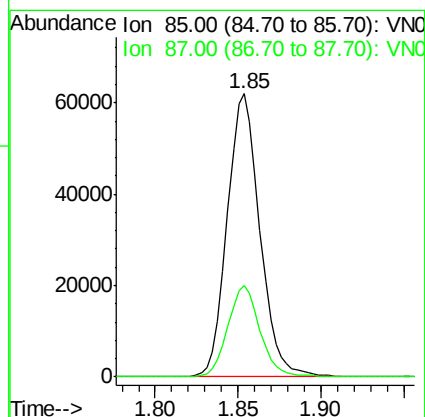
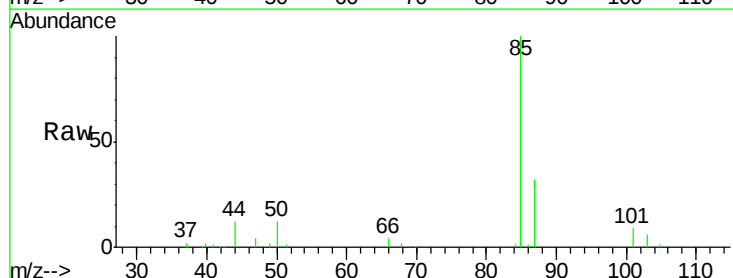
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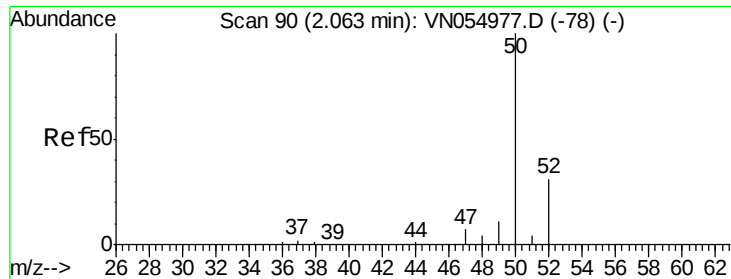
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.3





#3

Chloromethane

Concen: 23.763 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 109803

Ion Ratio Lower Upper

50 100

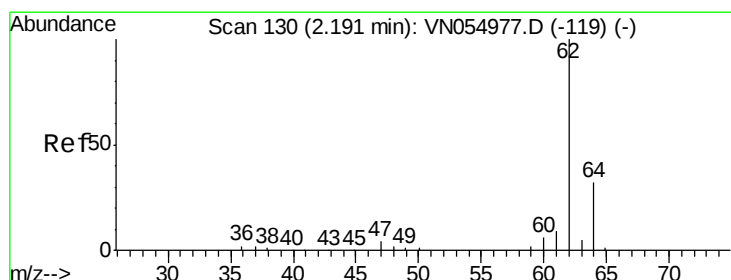
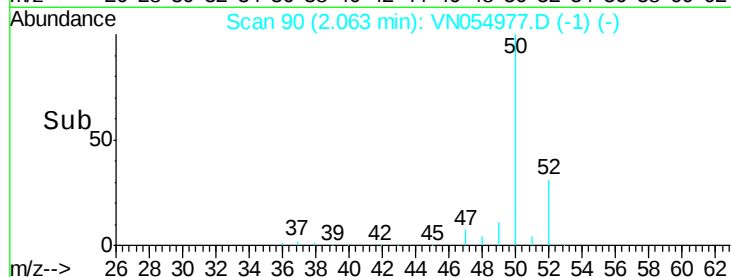
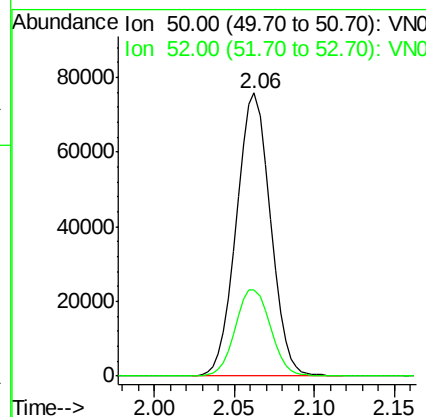
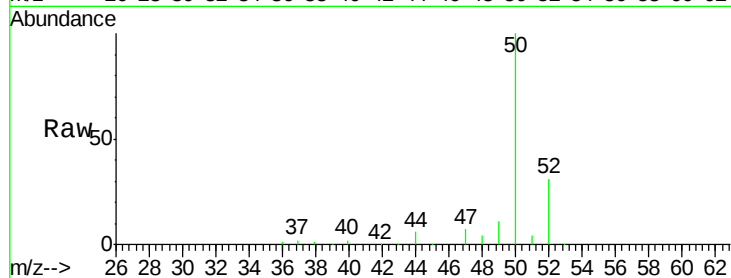
52 30.6 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.902 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054977.D

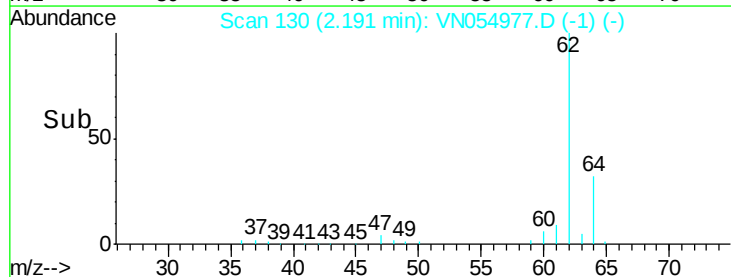
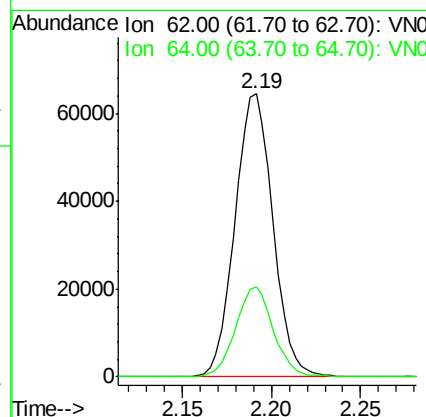
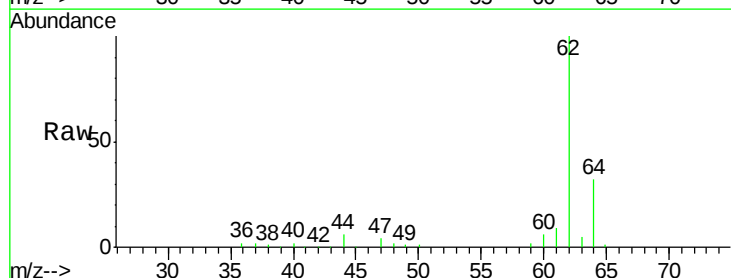
Acq: 11 Apr 2019 14:54

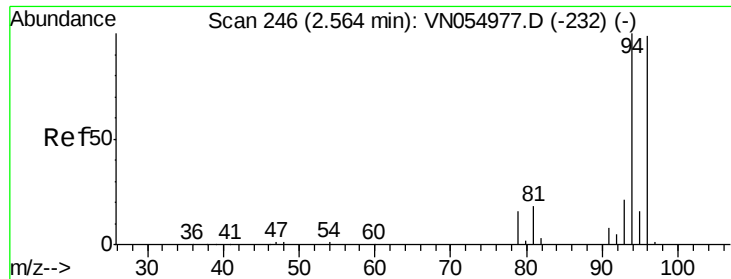
Tgt Ion: 62 Resp: 95799

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





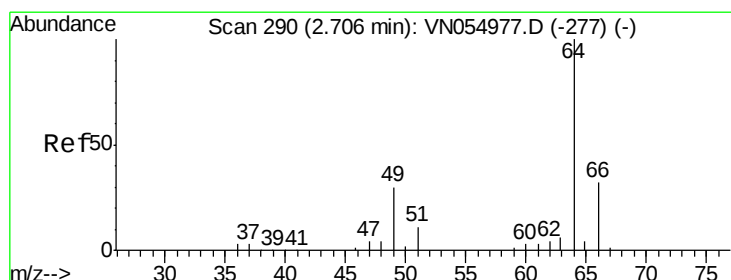
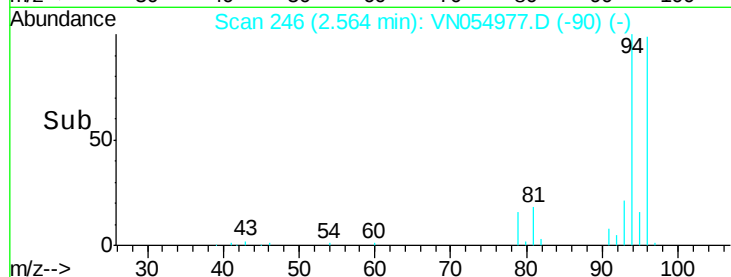
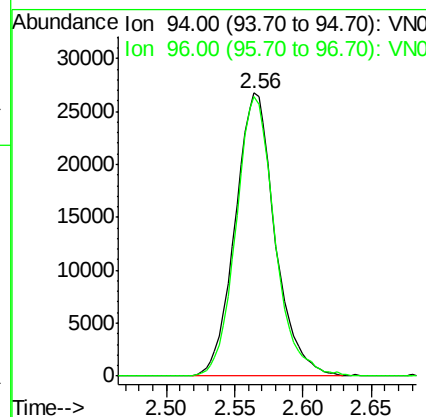
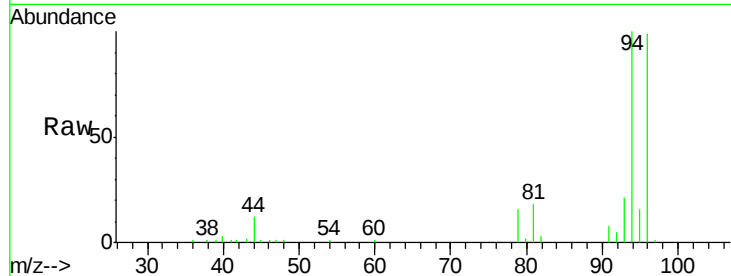
#5
Bromomethane
Concen: 19.395 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 54369
Ion Ratio Lower Upper
94 100
96 98.9 79.1 118.7

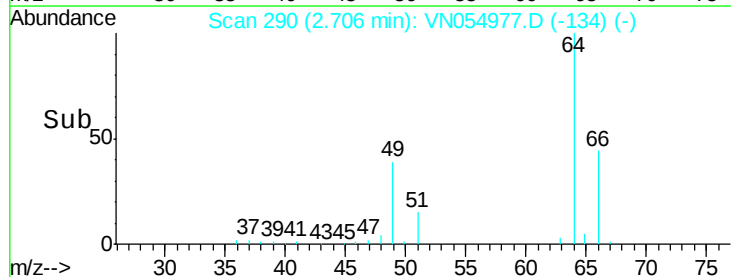
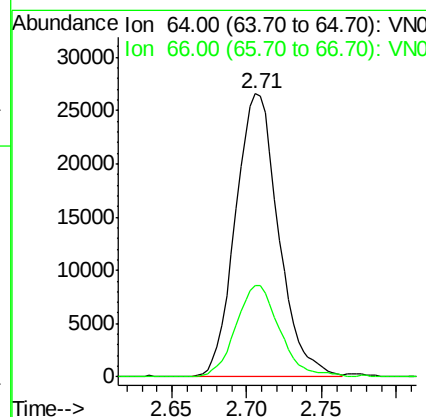
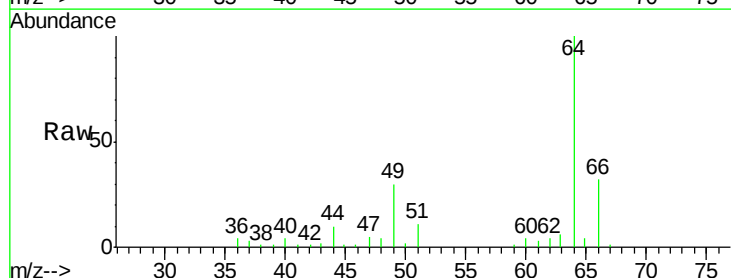
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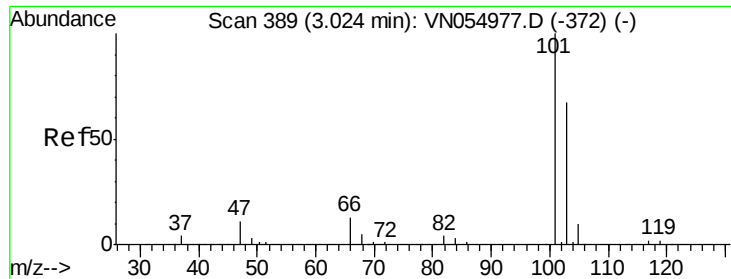
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#6
Chloroethane
Concen: 19.856 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion: 64 Resp: 53277
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5





#7

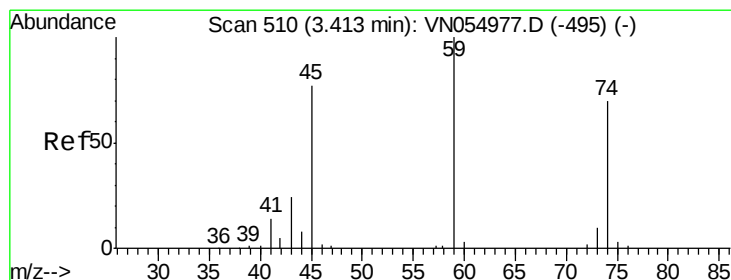
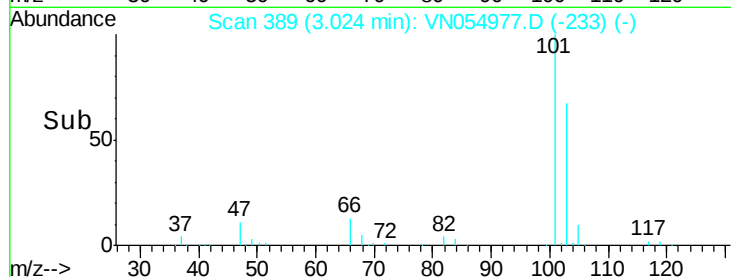
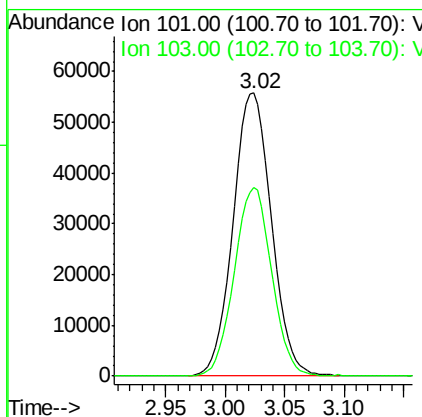
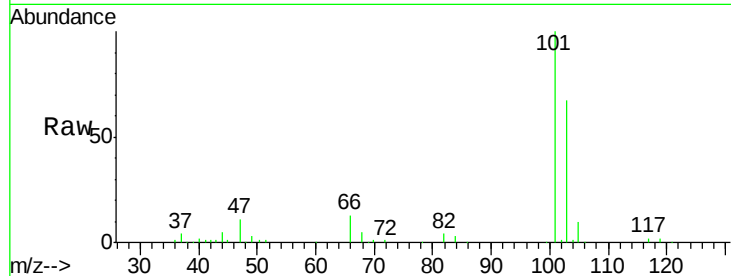
Trichlorofluoromethane
Concen: 22.337 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.4	80.0

Manual Integrations
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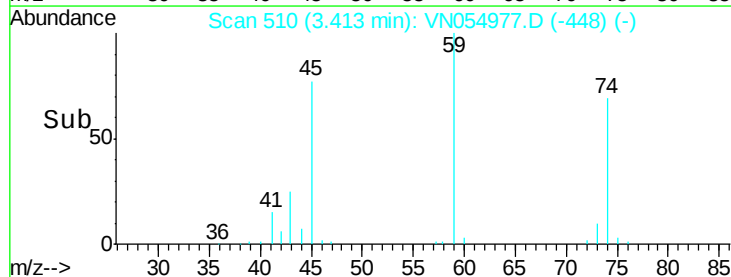
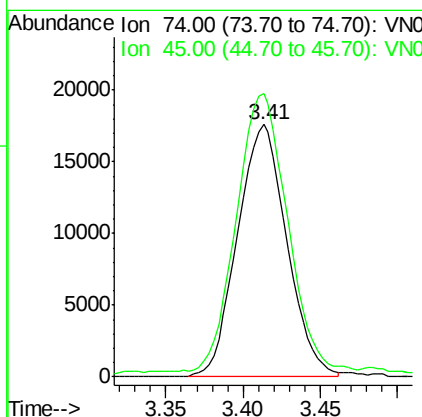
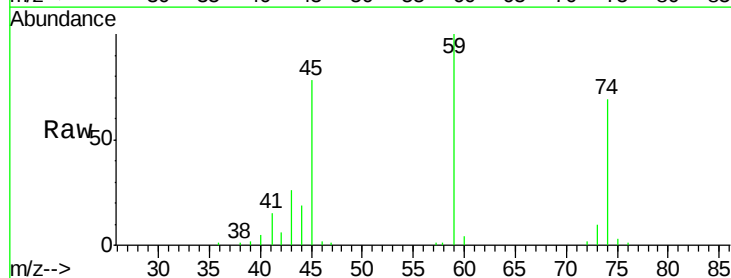
MMDadoda
4/12/2019 1:41:07 PM

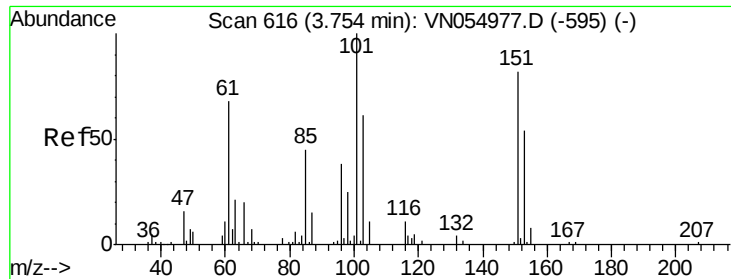


#8

Diethyl Ether
Concen: 18.961 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.203 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

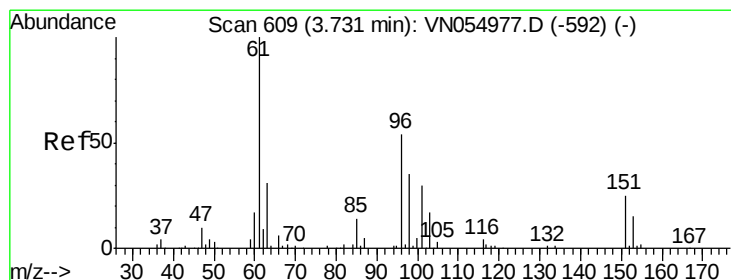
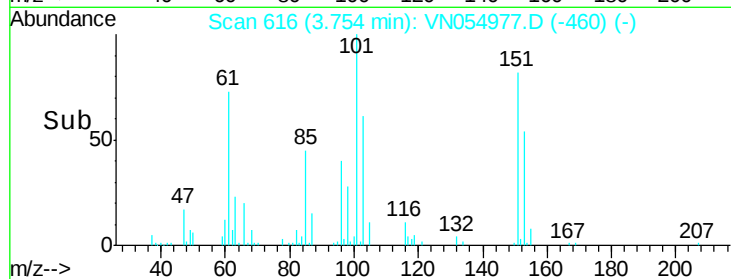
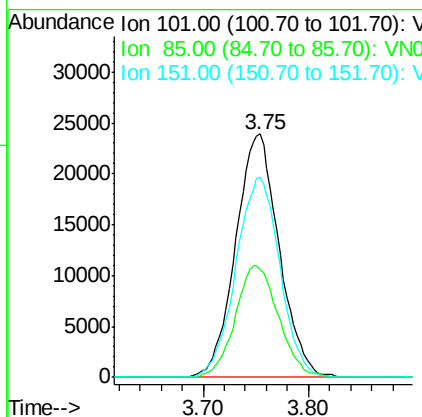
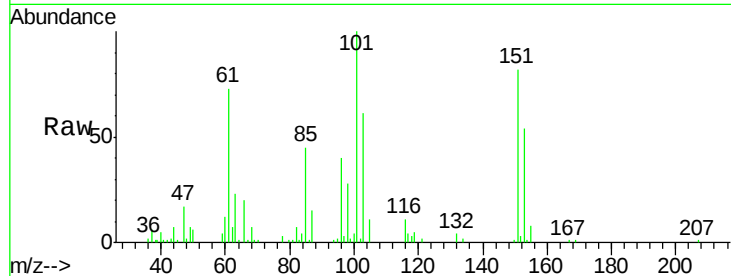
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	68398
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	91.4
151	82.8	0.0	165.6

Manual Integrations
APPROVED

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4/12/2019 1:41:07 PM



#10

1,1-Dichloroethene

Concen: 18.716 ug/l

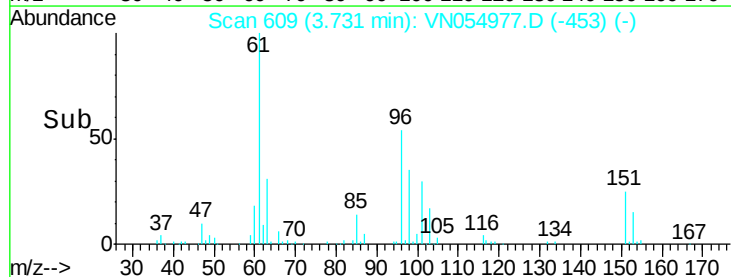
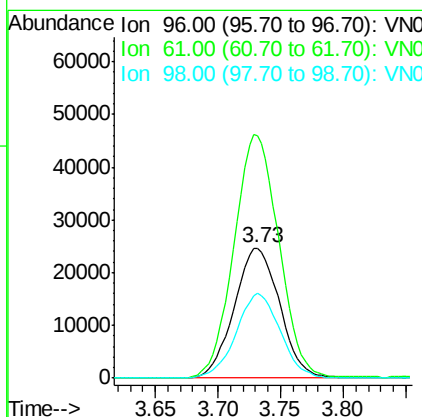
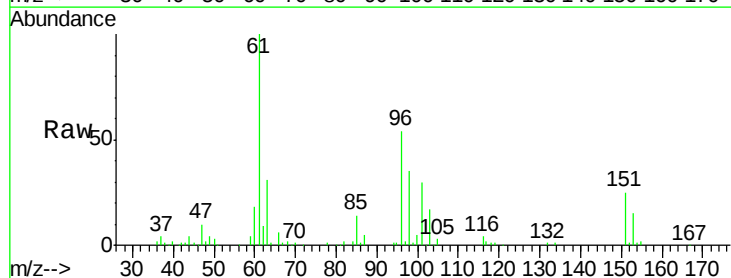
RT: 3.73 min Scan# 609

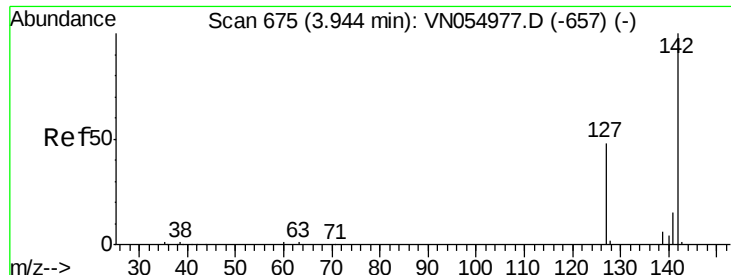
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	96	Resp:	62135
Ion Ratio	Lower	Upper	
96	100		
61	185.5	148.4	222.6
98	65.2	52.2	78.2





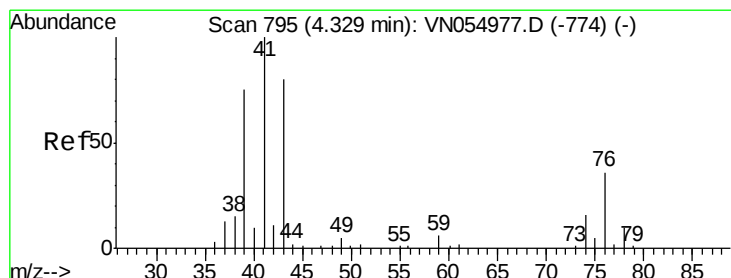
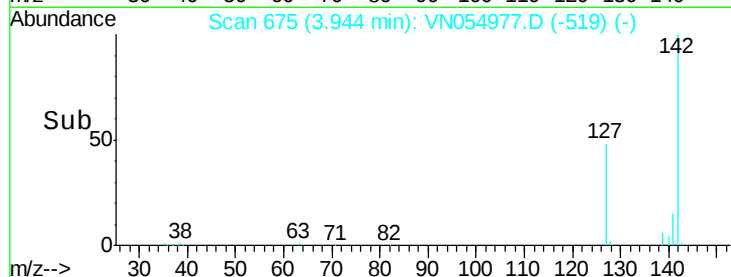
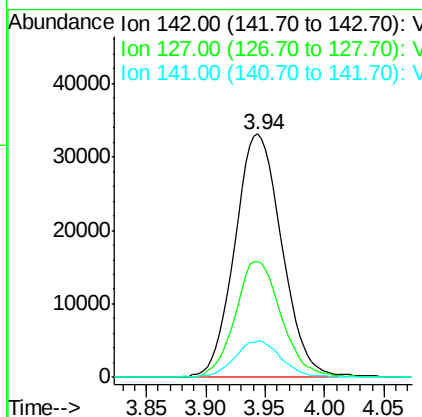
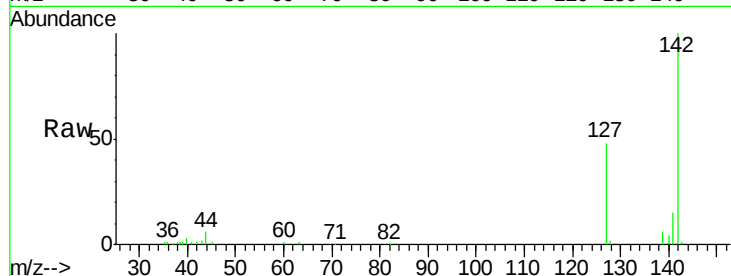
#11
Methvl Iodide
Concen: 18.549 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.7	23.8	71.5
141	14.7	7.3	22.0

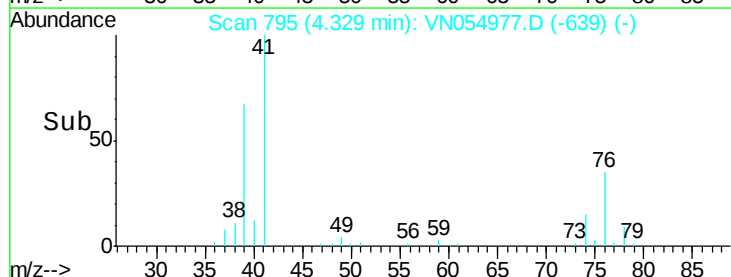
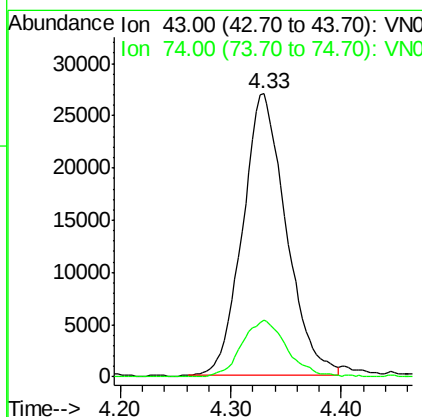
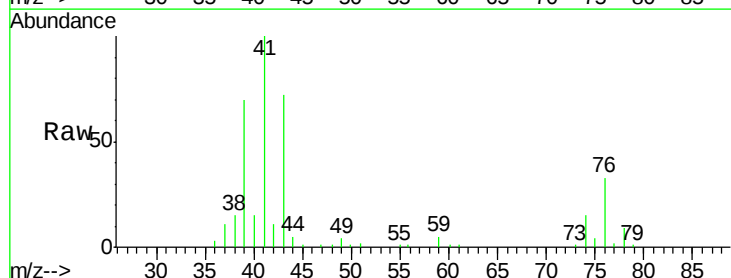
Manual Integrations
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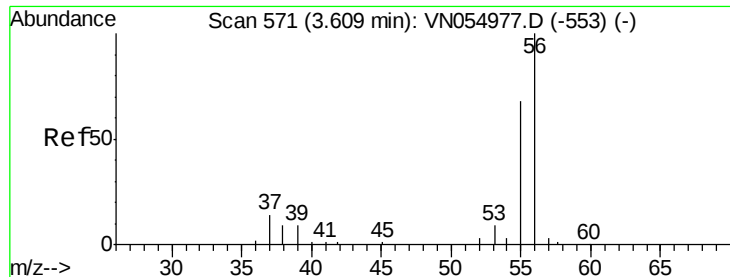
MMDadoda
4/12/2019 1:41:07 PM



#12
Methyl Acetate
Concen: 25.786 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.2	24.4





#13

Acrolein

Concen: 116.957 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 32005

Ion Ratio Lower Upper

56 100

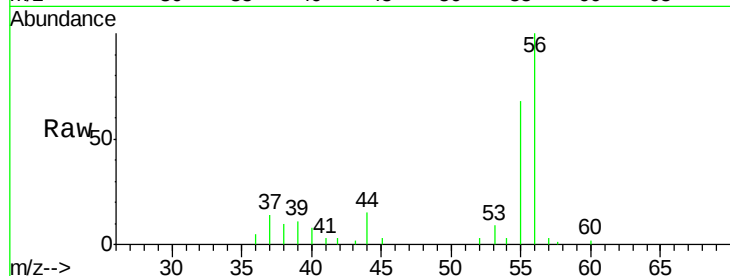
55 71.2 57.0 85.4

Manual Integrations

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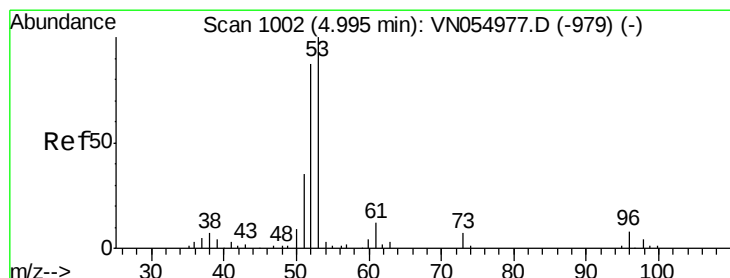
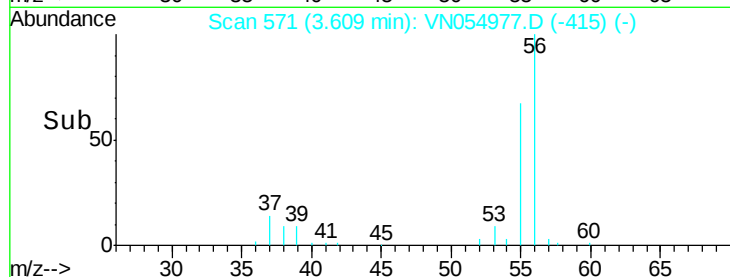
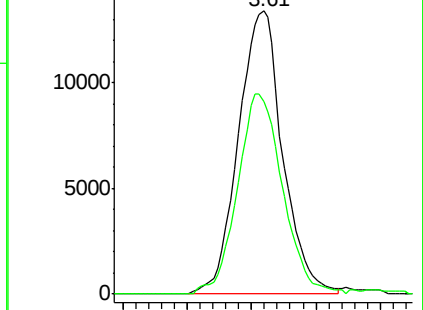
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN054977.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN054977.D (-553) (-)



#14

Acrylonitrile

Concen: 110.717 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

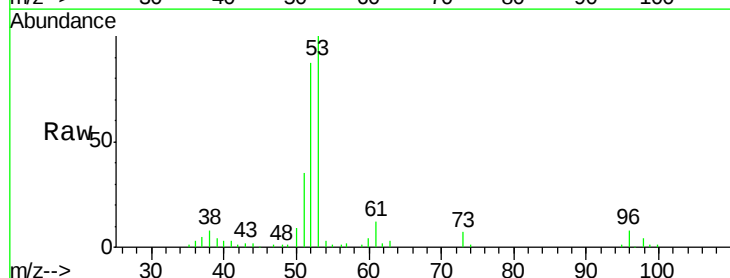
Tgt Ion: 53 Resp: 148643

Ion Ratio Lower Upper

53 100

52 84.5 42.3 126.8

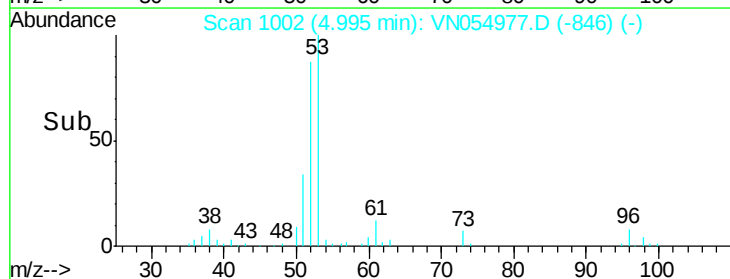
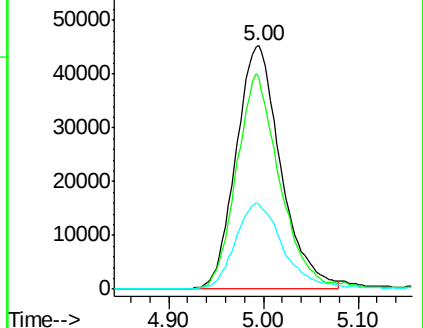
51 37.3 18.6 56.0

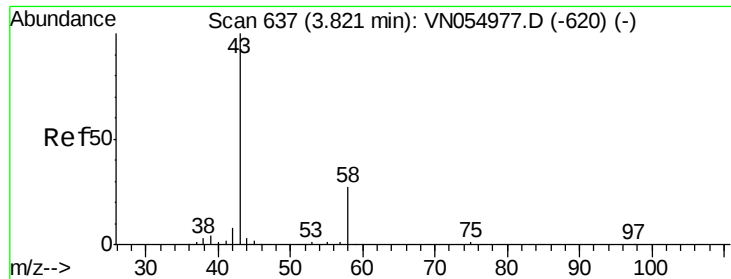


Abundance Ion 53.00 (52.70 to 53.70): VN054977.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN054977.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN054977.D (-979) (-)





#15

Acetone

Concen: 114.209 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 44396

Ion Ratio Lower Upper

58 100

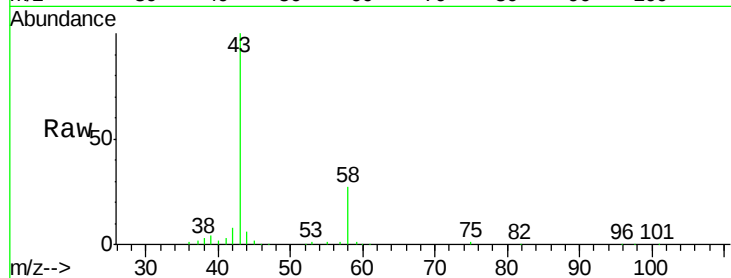
43 371.5 297.2 445.8

Manual Integrations

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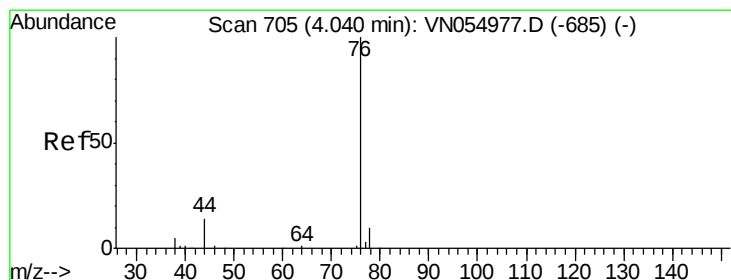
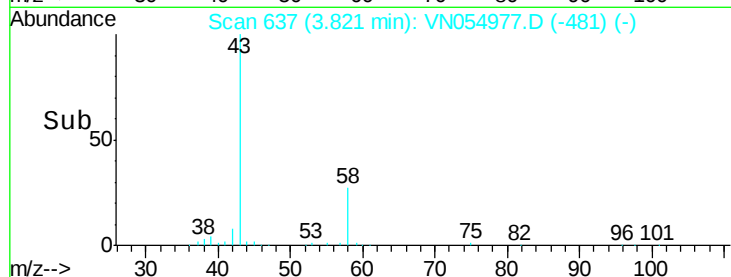
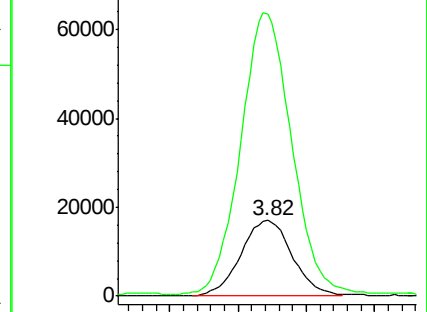
MMDadoda

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

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



#16

Carbon Disulfide

Concen: 18.134 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054977.D

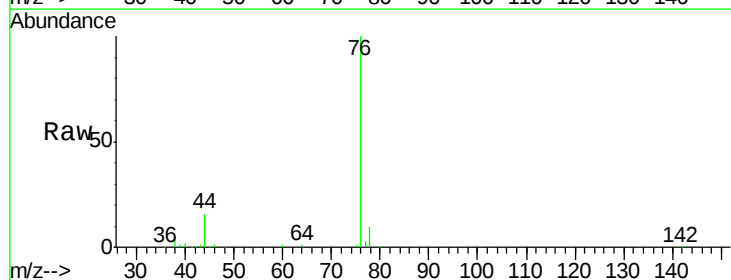
Acq: 11 Apr 2019 14:54

Tgt Ion: 76 Resp: 194325

Ion Ratio Lower Upper

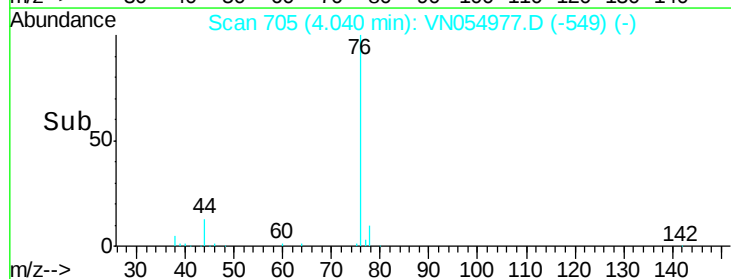
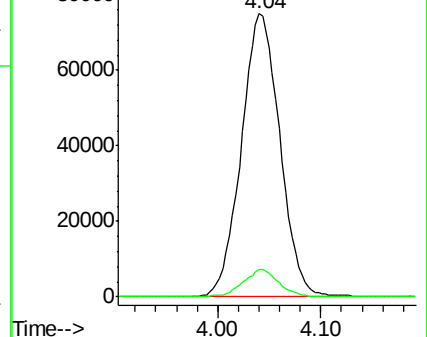
76 100

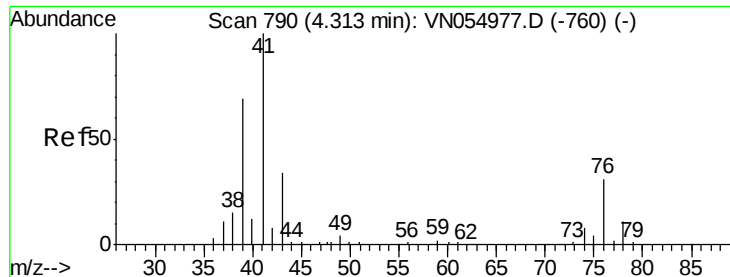
78 9.7 7.8 11.6



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

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





#17

Allvl chloride

Concen: 25.002 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

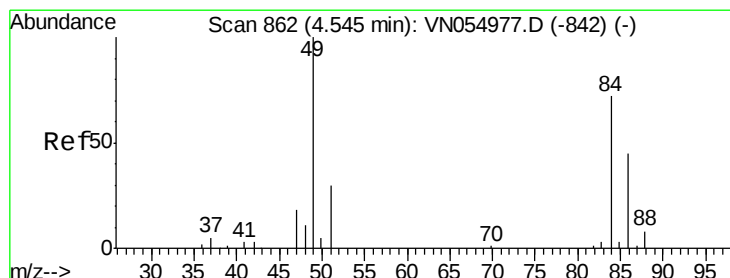
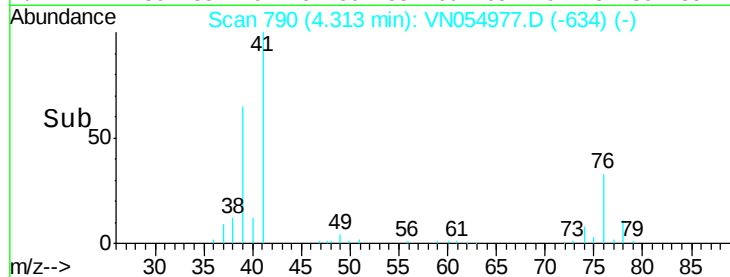
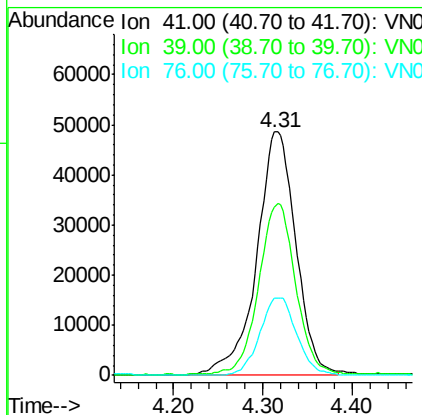
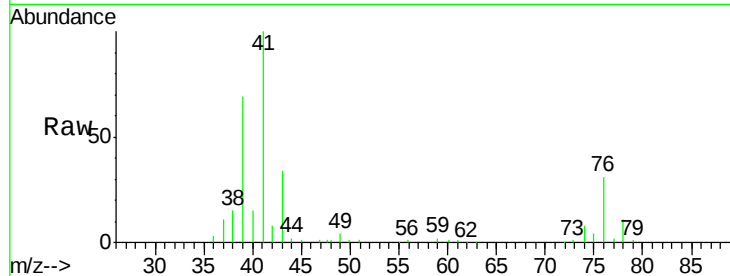
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	148750
Ion Ratio		Lower	Upper
41	100		
39	68.6	34.3	102.9
76	31.5	15.8	47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 22.972 ug/l

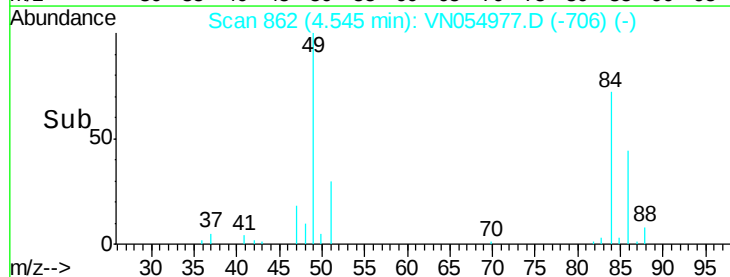
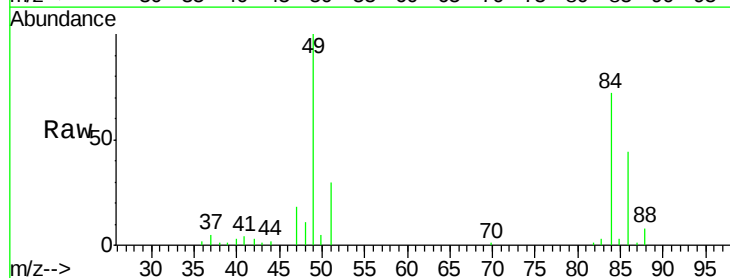
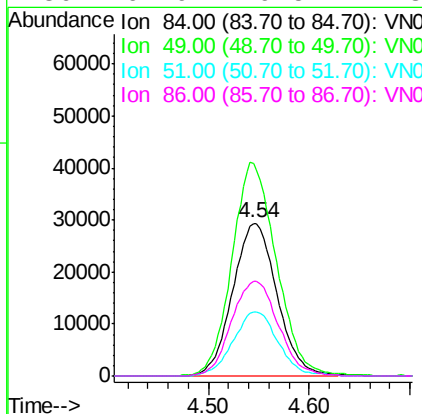
RT: 4.54 min Scan# 862

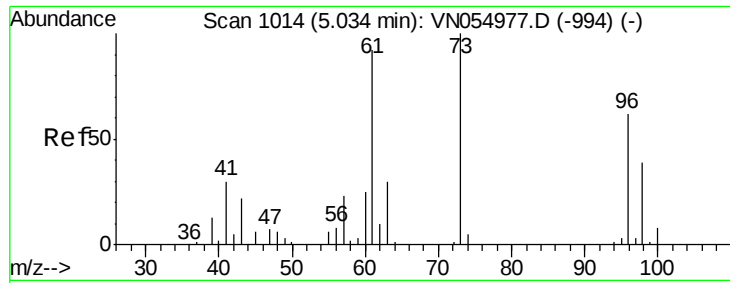
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	84	Resp:	89565
Ion Ratio		Lower	Upper
84	100		
49	138.7	111.0	166.4
51	41.8	33.4	50.2
86	61.9	49.5	74.3





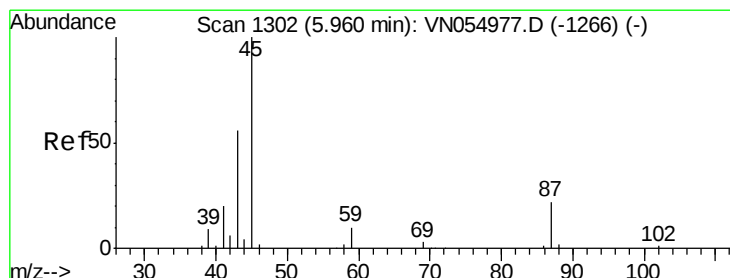
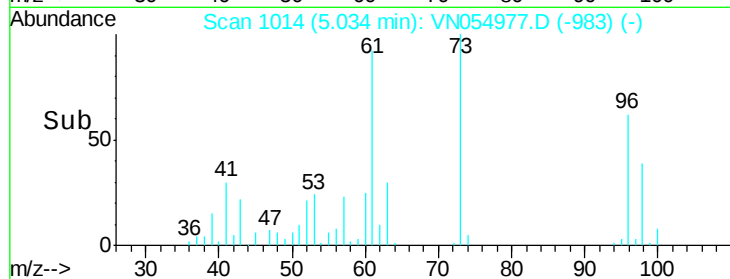
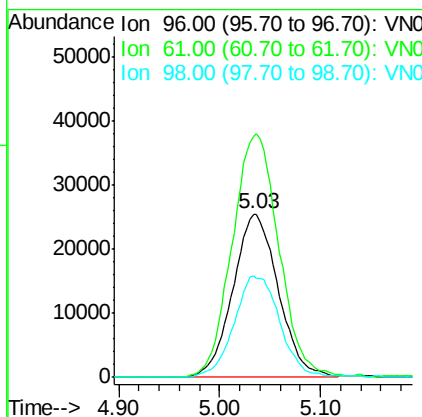
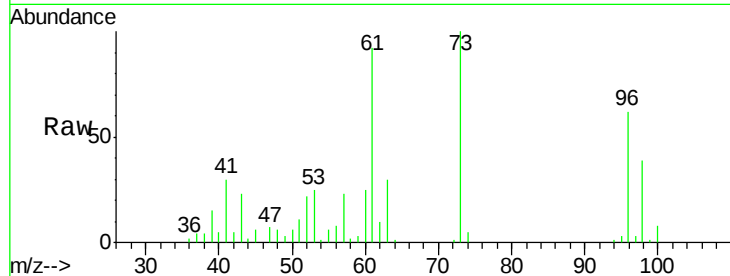
#19
trans-1,2-Dichloroethene
Concen: 21.892 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	146.5	117.2	175.8	
98	61.8	49.4	74.2	

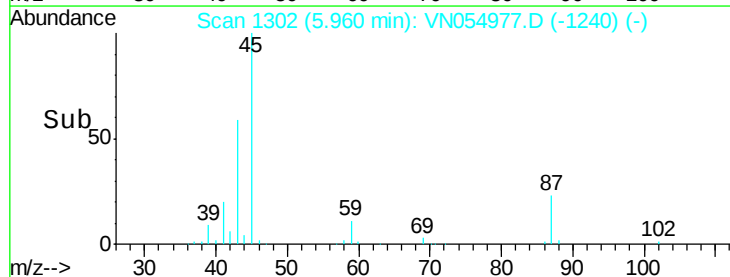
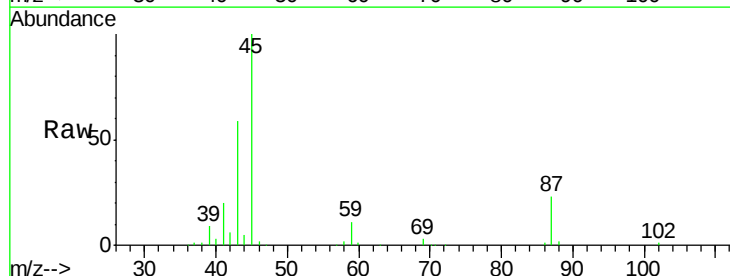
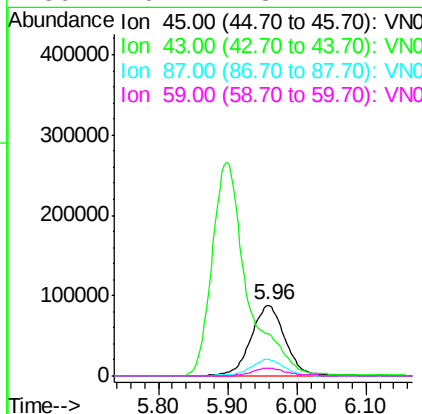
Manual Integrations
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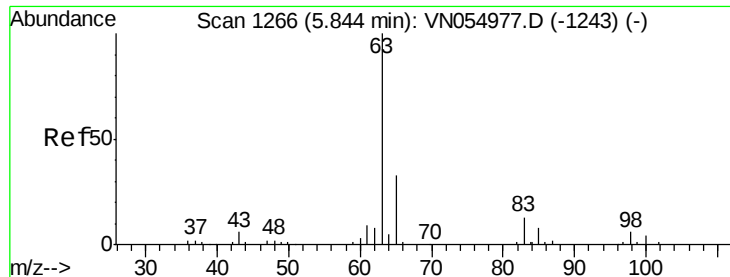
MMDadoda
4/12/2019 1:41:07 PM



#20
Diisopropyl ether
Concen: 25.123 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.3	45.8	68.8	
87	22.8	18.2	27.4	
59	10.2	8.2	12.2	





#21

1,1-Dichloroethane

Concen: 23.123 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

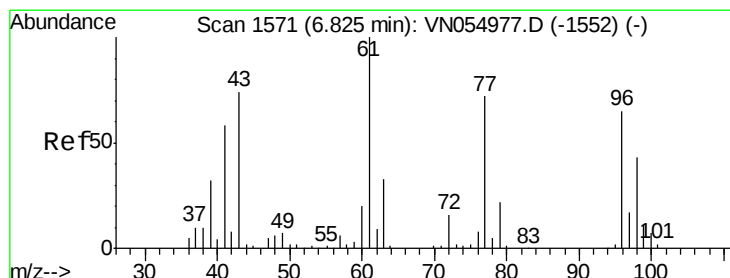
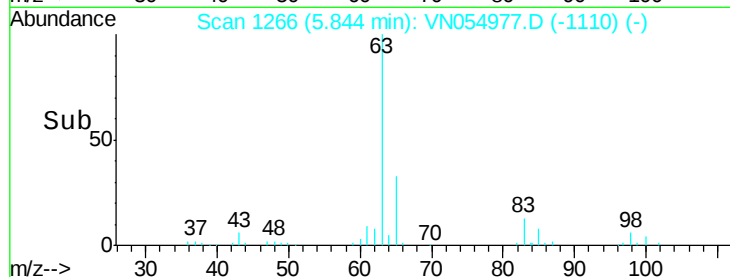
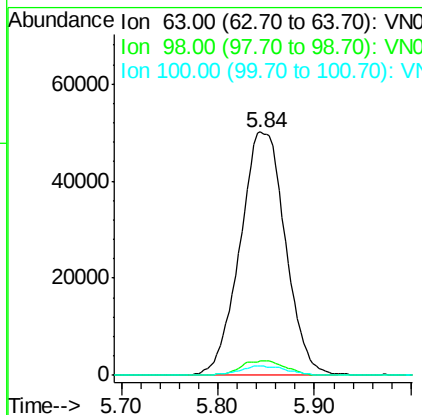
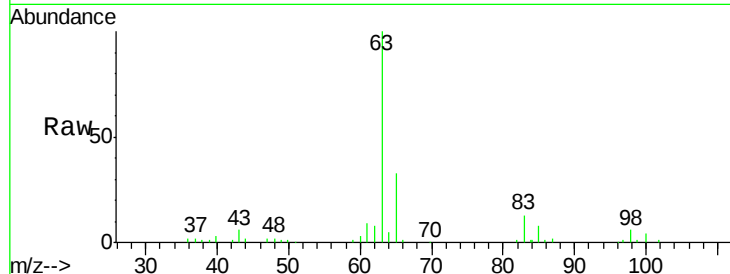
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	163005
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.9	8.7
100	3.9	2.0	5.8

Manual Integrations
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4/12/2019 1:41:07 PM



#22

cis-1,2-Dichloroethene

Concen: 22.486 ug/l

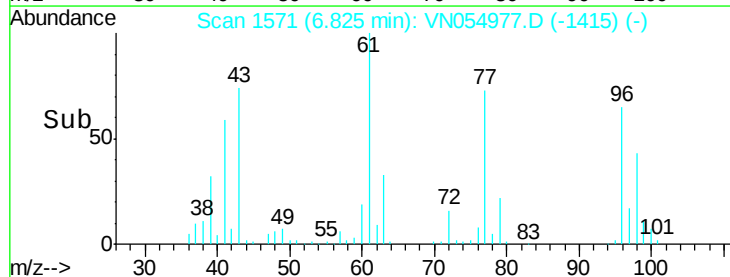
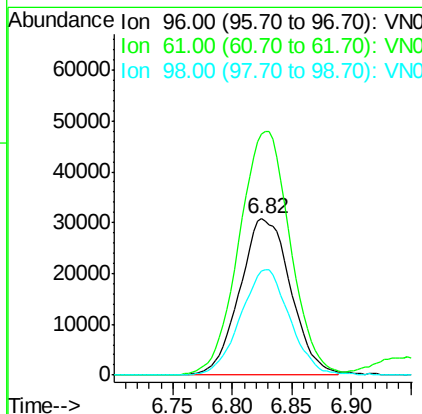
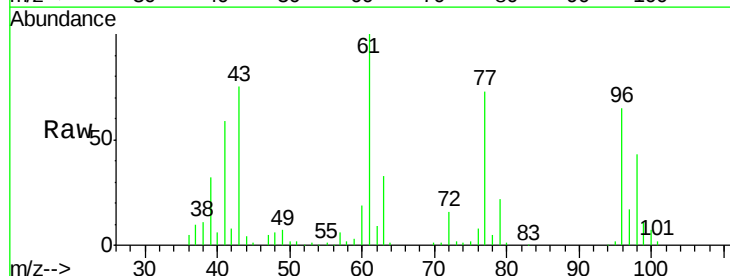
RT: 6.82 min Scan# 1571

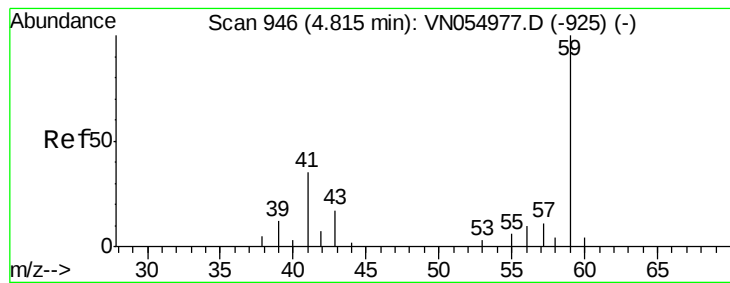
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	96	Resp:	91225
Ion Ratio	Lower	Upper	
96	100		
61	156.3	125.0	187.6
98	65.2	52.2	78.2





#23

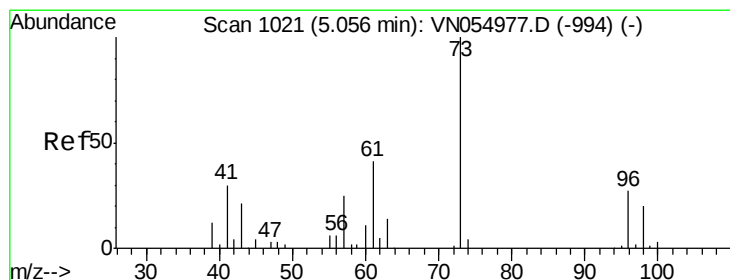
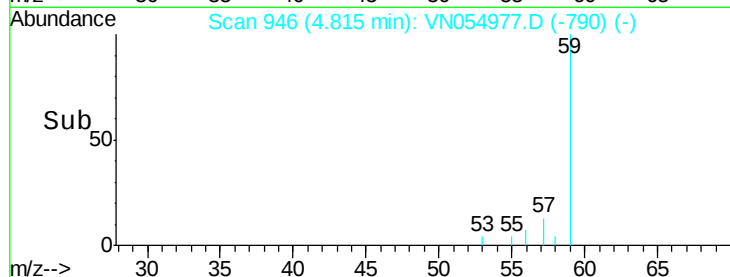
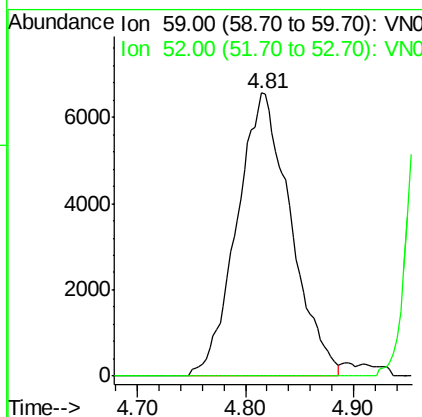
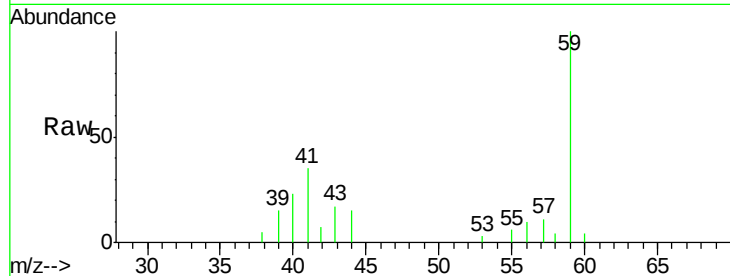
tert-Butyl Alcohol
 Concen: 95.856 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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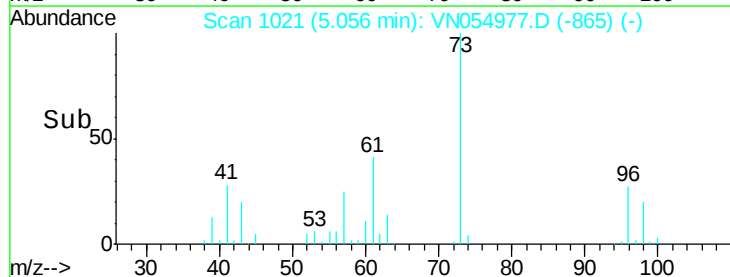
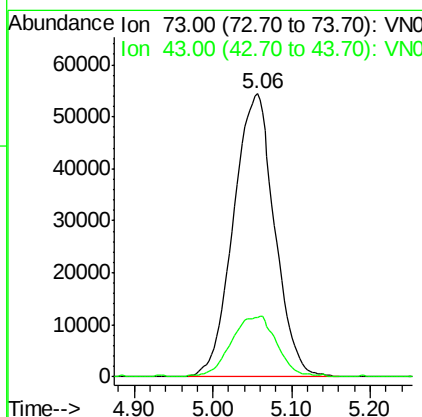
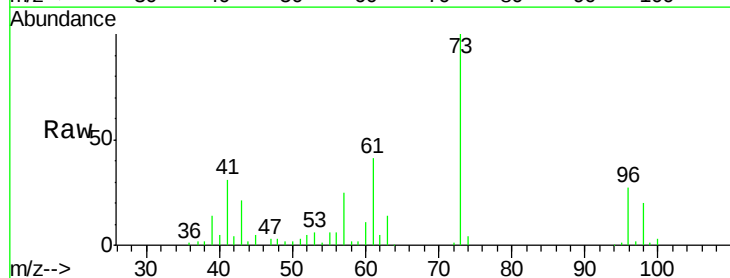
MMDadoda
 4/12/2019 1:41:07 PM

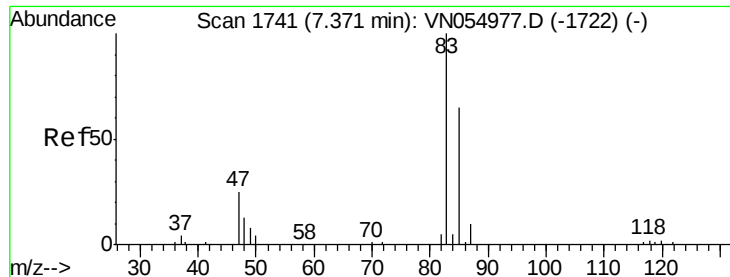


#24

Methyl tert-Butyl Ether
 Concen: 22.219 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	10.0	8.0	12.0





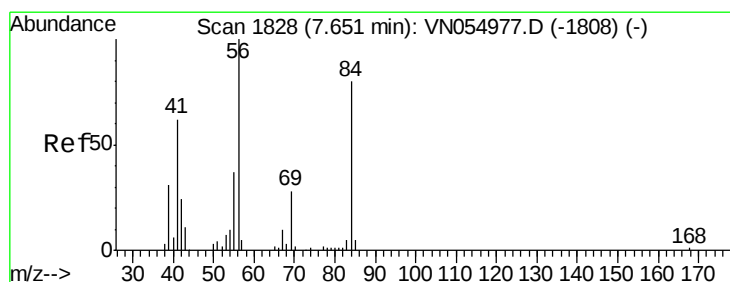
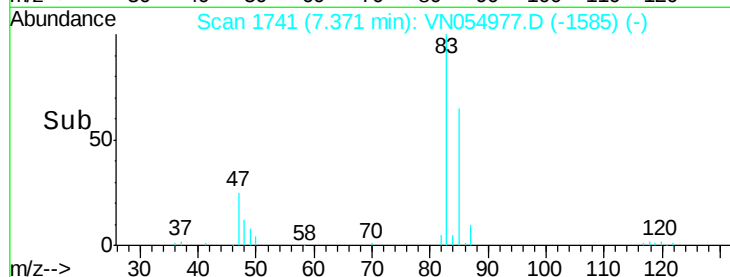
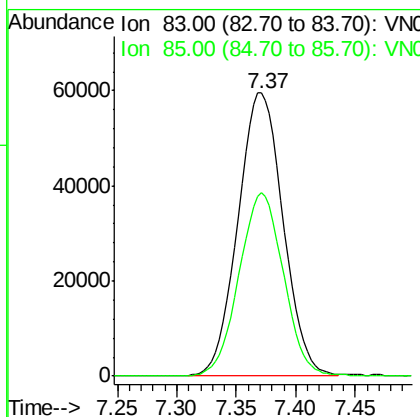
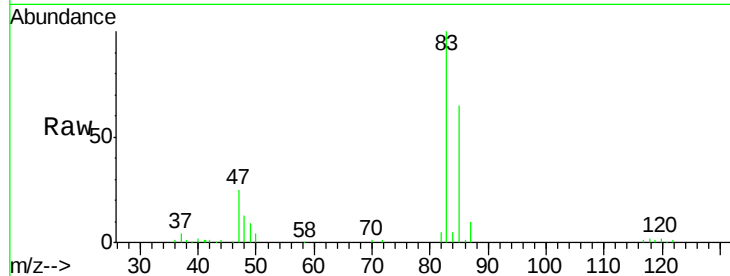
#25
Chloroform
Concen: 23.044 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	156572
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.8	77.8

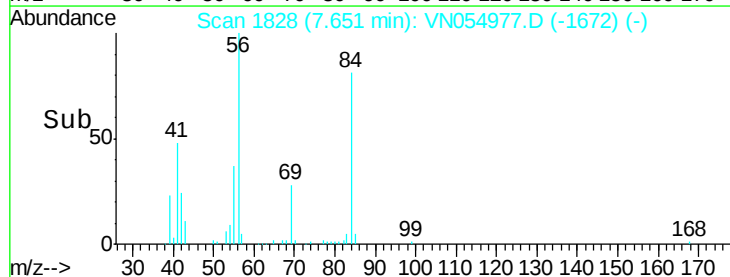
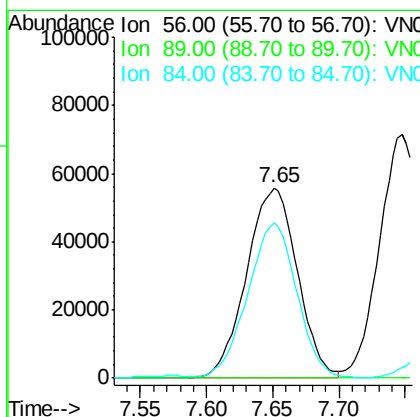
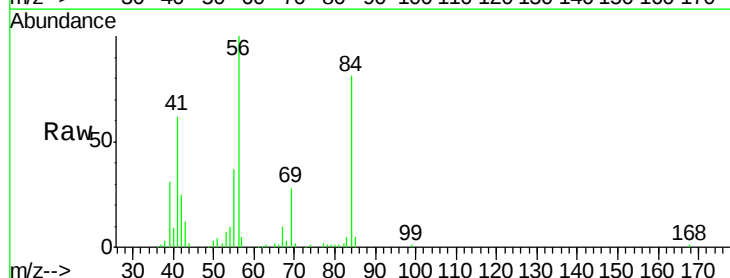
Manual Integrations
APPROVED

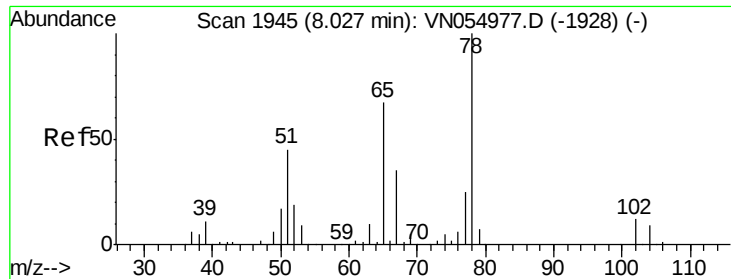
MMDadoda
4/12/2019 1:41:07 PM



#26
Cyclohexane
Concen: 23.369 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	56	Resp	149106
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	79.4	63.5	95.3





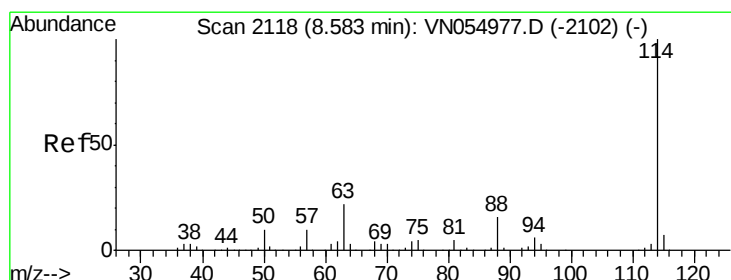
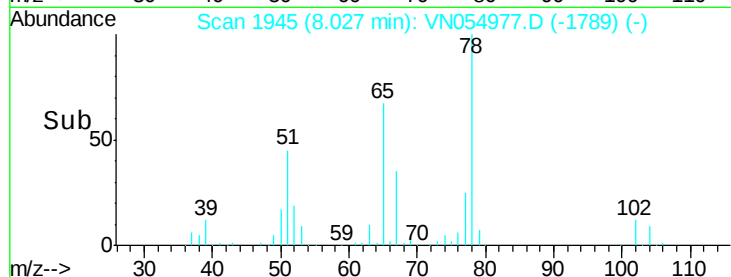
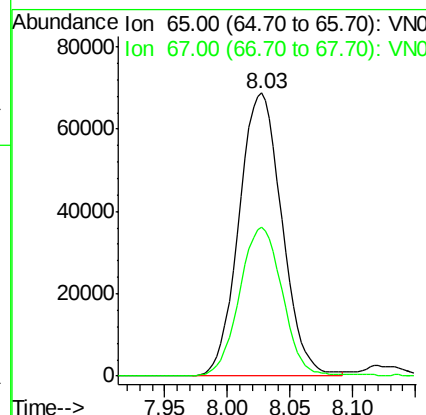
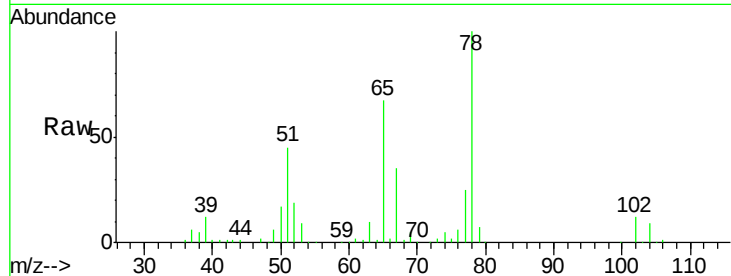
#27
 1,2-Dichloroethane-d4
 Concen: 23.369 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164167		
67	52.3		41.8	62.8

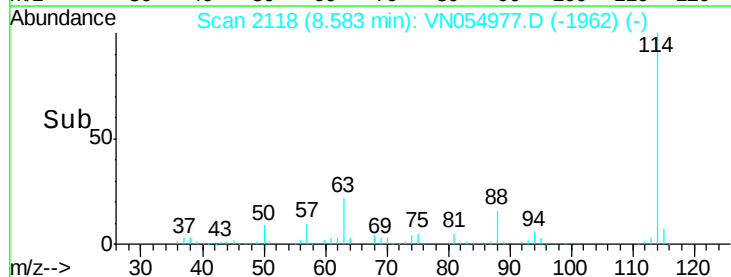
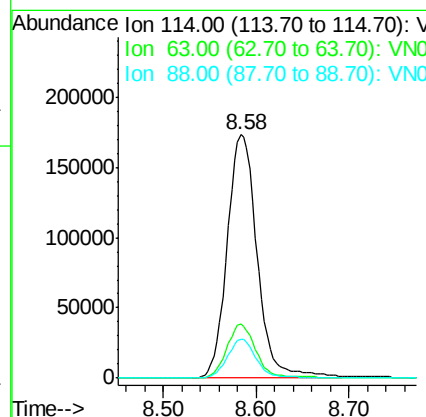
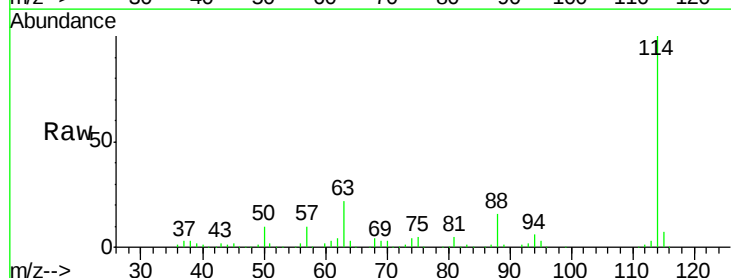
Manual Integrations
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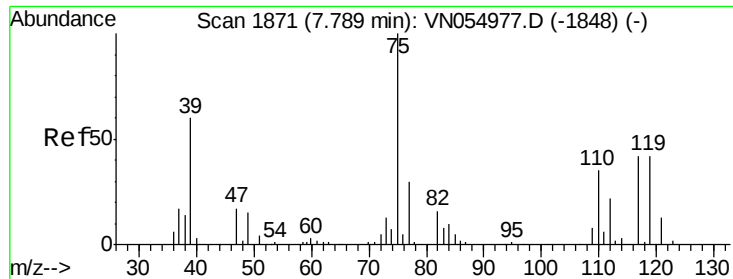
MMDadoda
 4/12/2019 1:41:07 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	389900		
63	21.2		17.0	25.4
88	15.4		12.3	18.5





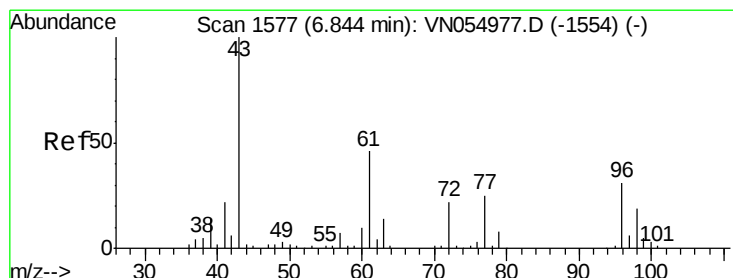
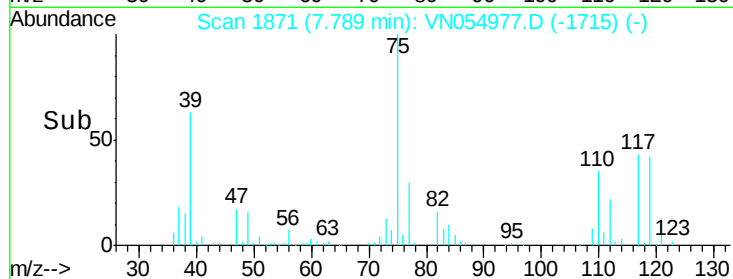
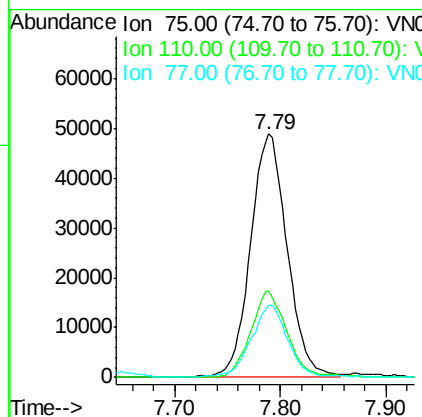
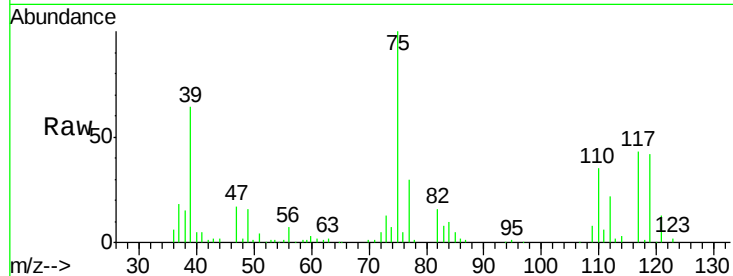
#29
 1,1-Dichloropropene
 Concen: 22.110 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.2	0.0	68.4
77	29.3	0.0	58.6

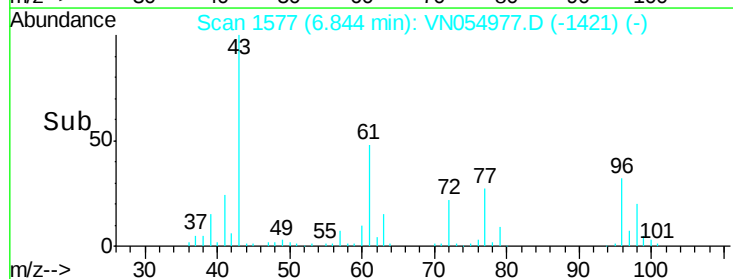
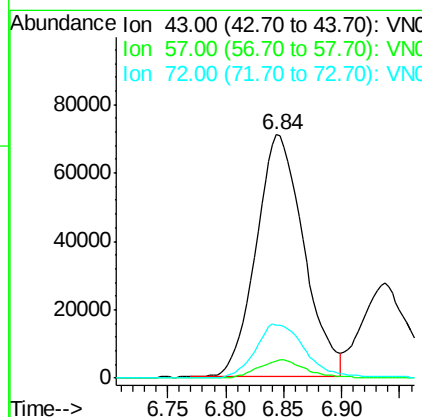
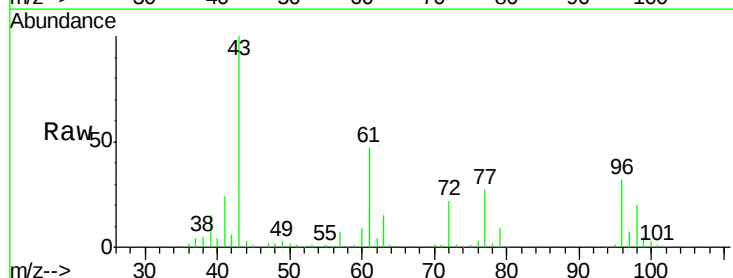
Manual Integrations
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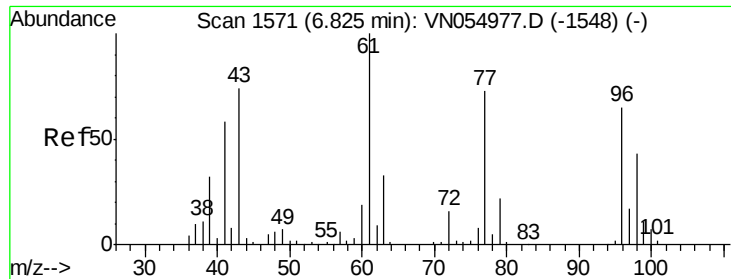
MMDadoda
 4/12/2019 1:41:07 PM



#30
 2-Butanone
 Concen: 120.272 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.5	6.0	9.0
72	23.2	18.6	27.8





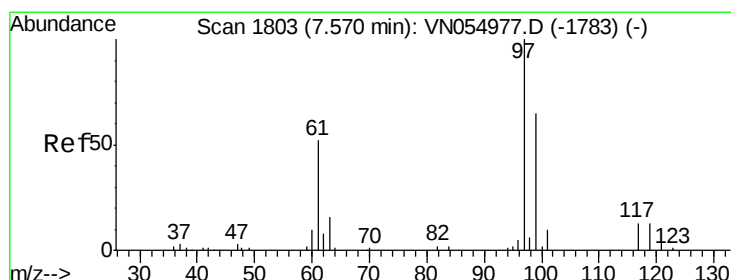
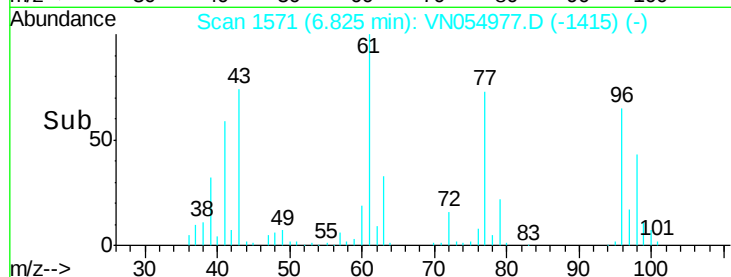
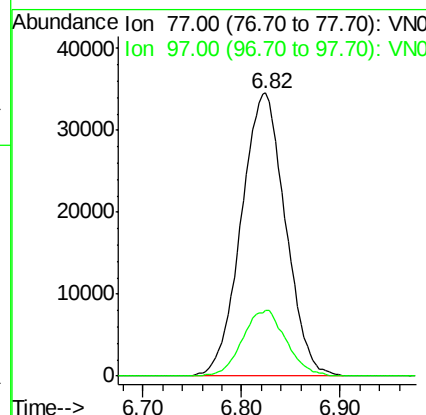
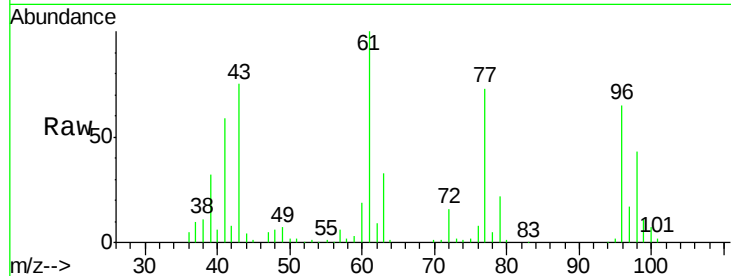
#31
 2,2-Dichloropropane
 Concen: 20.377 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	0.0

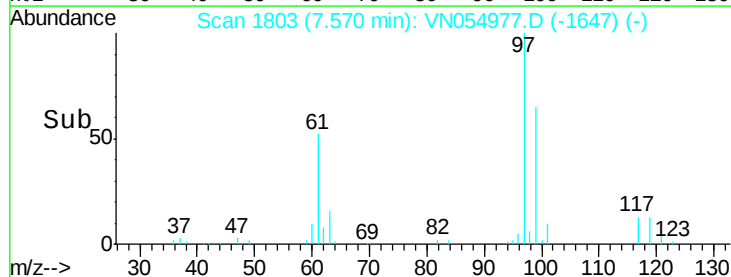
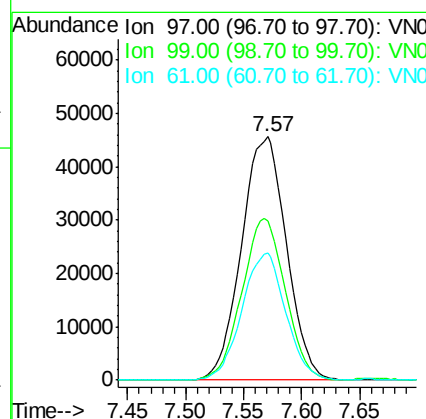
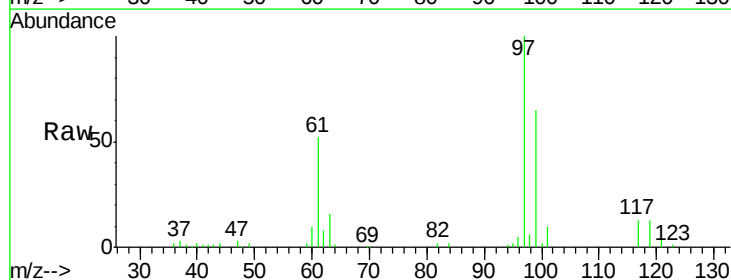
Manual Integrations
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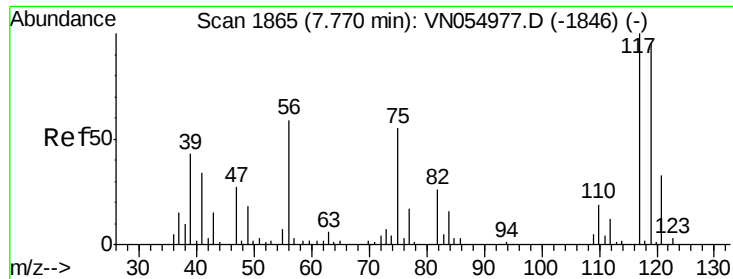
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 21.413 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	50.7	40.6	60.8





#33

Carbon Tetrachloride

Concen: 20.627 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:117 Resp: 104869
Ion Ratio Lower Upper

117 100

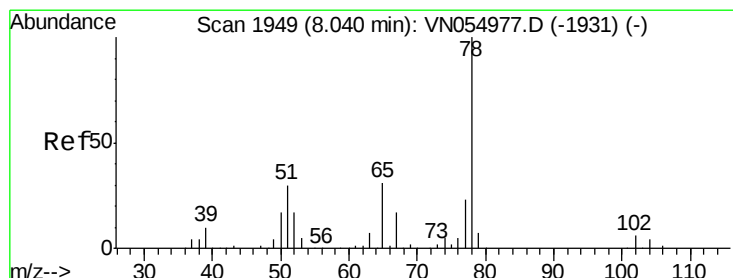
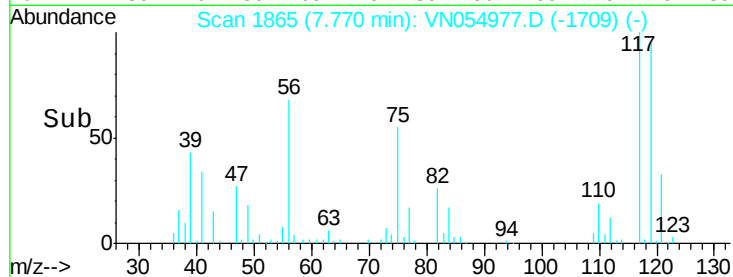
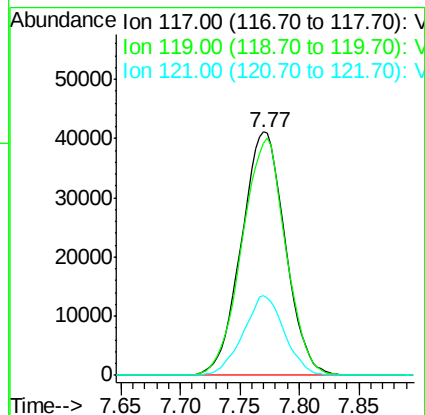
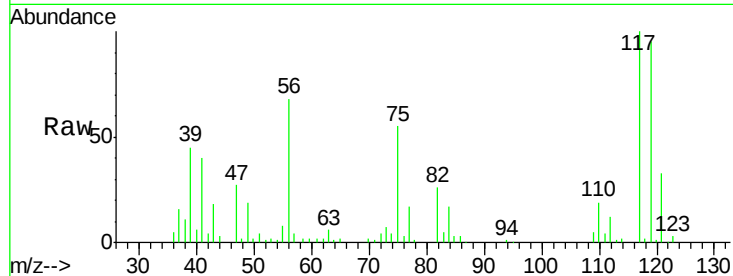
119 95.1 76.1 114.1

121 32.8 26.2 39.4

Manual Integrations
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#34

Benzene

Concen: 21.898 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054977.D

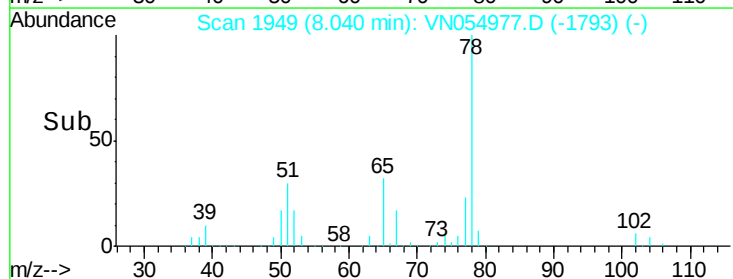
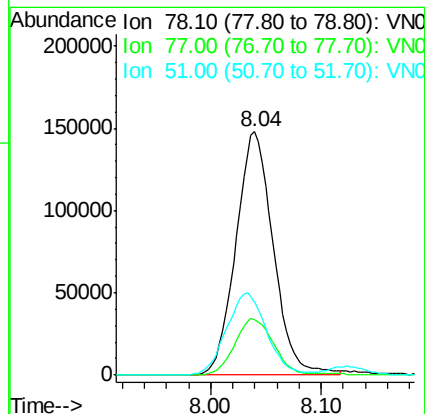
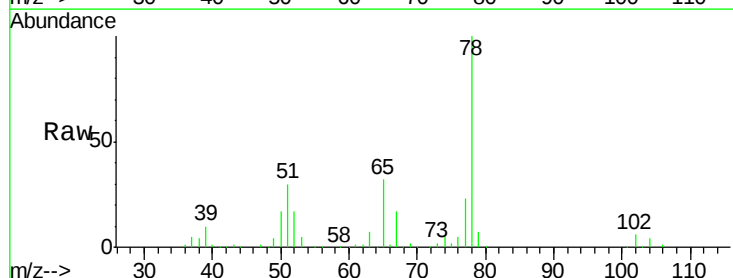
Acq: 11 Apr 2019 14:54

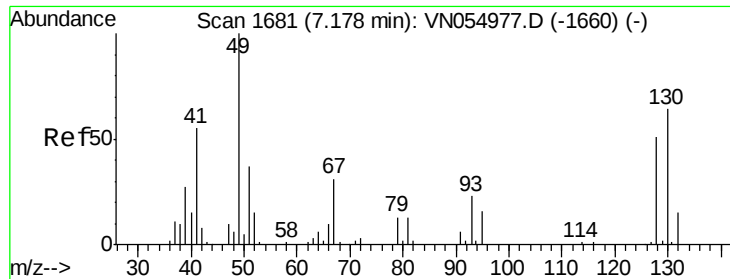
Tgt Ion: 78 Resp: 348203
Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.4

51 29.6 23.7 35.5





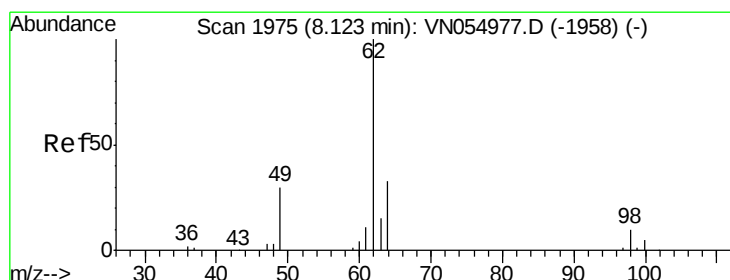
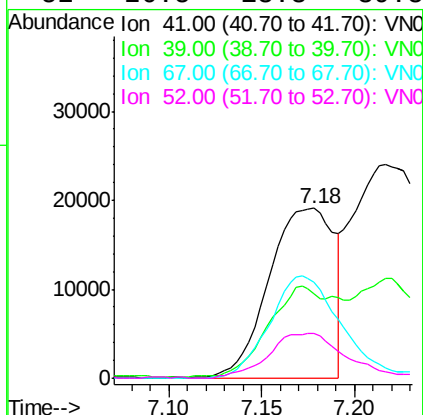
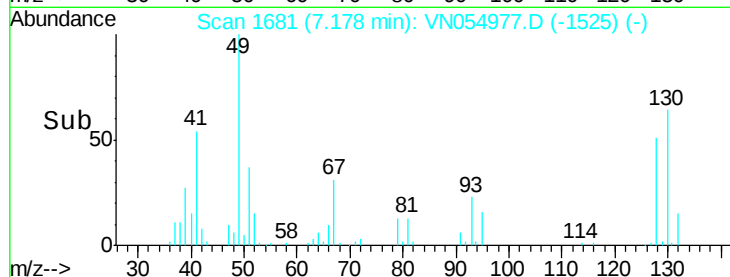
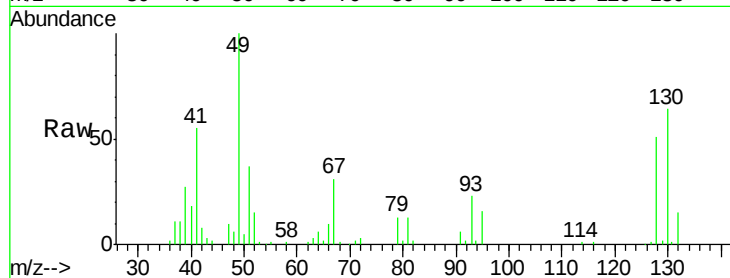
#35
Methacrylonitrile
Concen: 24.357 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.4	24.2	72.6	
67	56.1	28.1	84.2	
52	26.5	13.3	39.8	

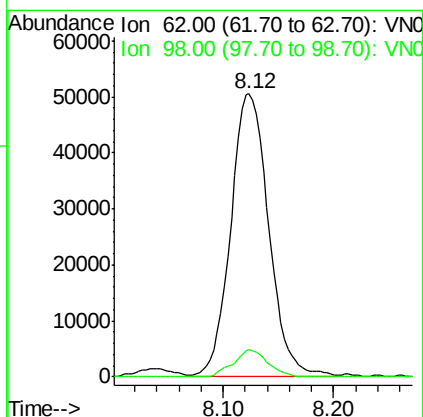
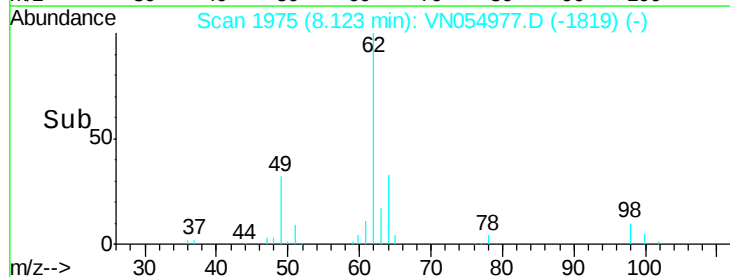
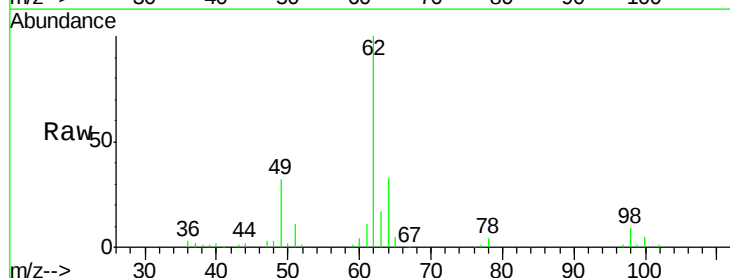
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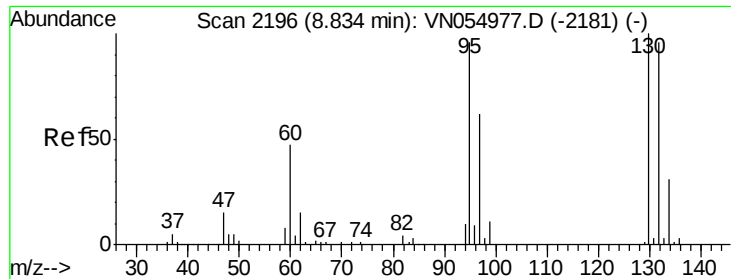
MMDadoda
4/12/2019 1:41:07 PM



#36
1,2-Dichloroethane
Concen: 23.280 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

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





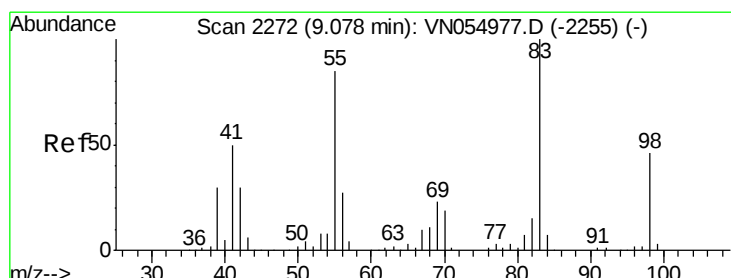
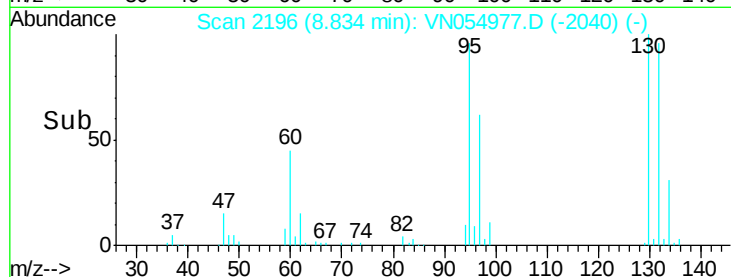
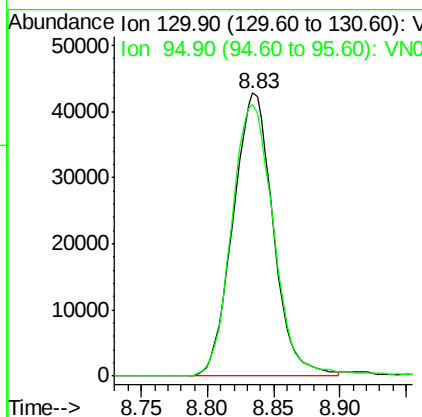
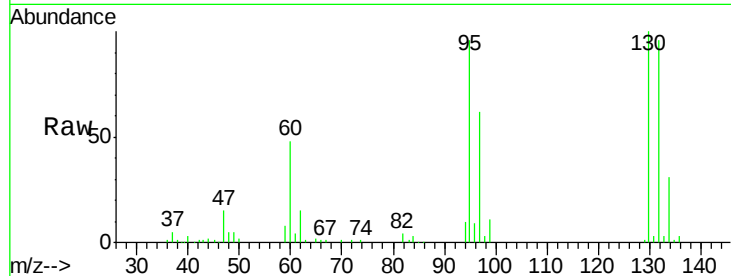
#37
 Trichloroethene
 Concen: 21.638 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 90112
 Ion Ratio Lower Upper
 130 100
 95 95.8 76.6 115.0

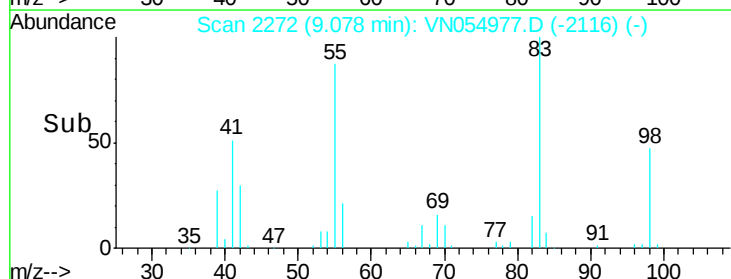
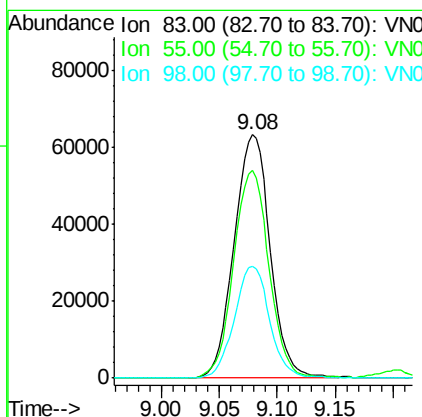
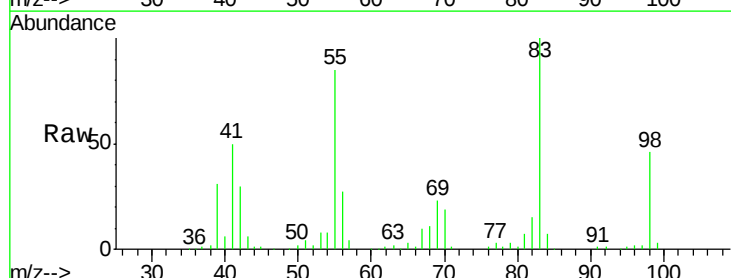
Manual Integrations
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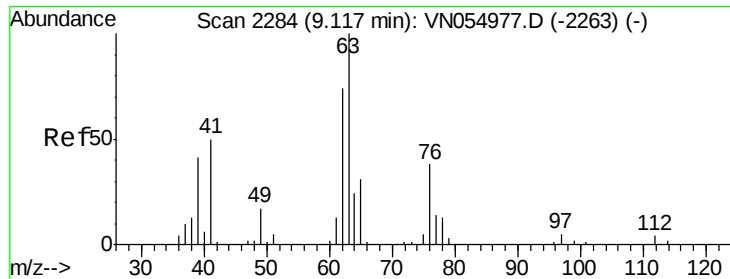
MMDadoda
 4/12/2019 1:41:07 PM



#38
 Methylcyclohexane
 Concen: 21.734 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion: 83 Resp: 137107
 Ion Ratio Lower Upper
 83 100
 55 83.7 41.9 125.6
 98 44.7 22.4 67.0





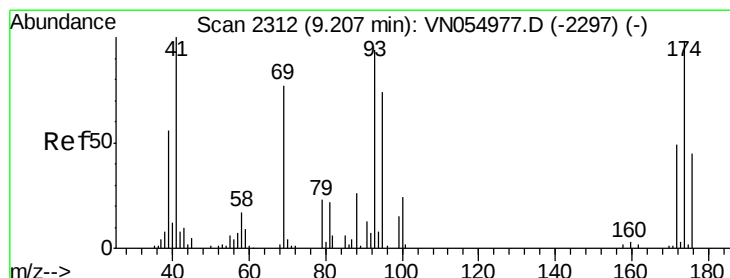
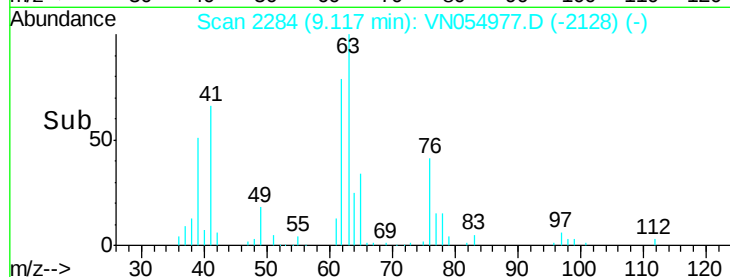
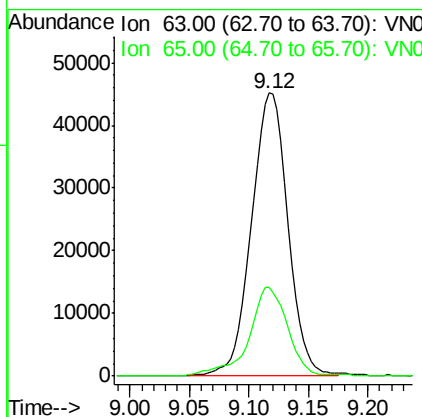
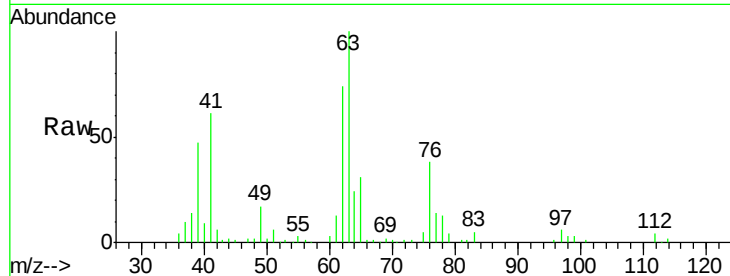
#39
 1,2-Dichloropropane
 Concen: 21.980 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 96130
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

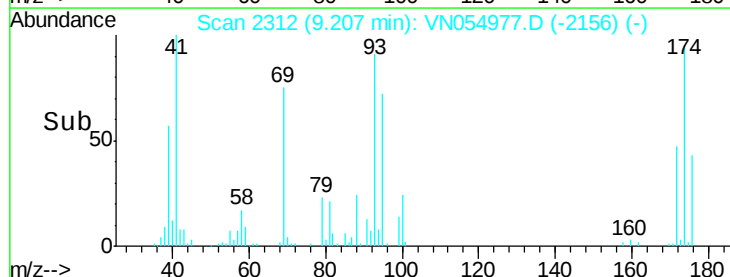
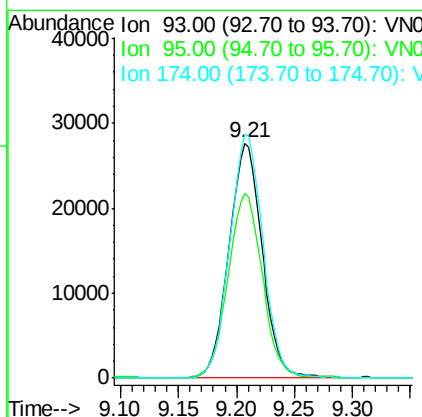
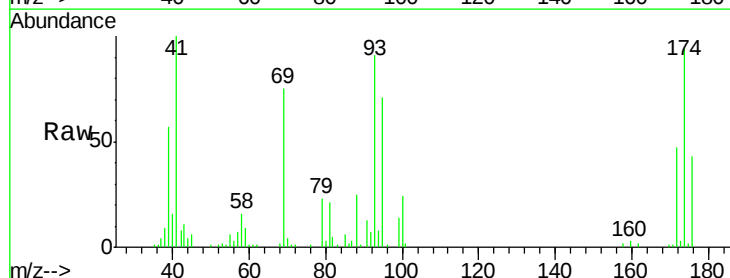
Manual Integrations
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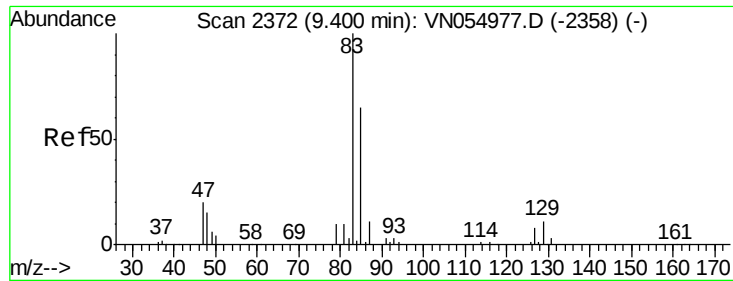
MMDadoda
 4/12/2019 1:41:07 PM



#40
 Dibromomethane
 Concen: 22.030 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion: 93 Resp: 55070
 Ion Ratio Lower Upper
 93 100
 95 80.4 0.0 160.8
 174 103.2 0.0 206.4





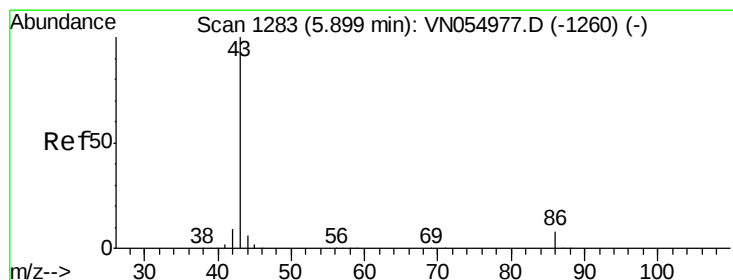
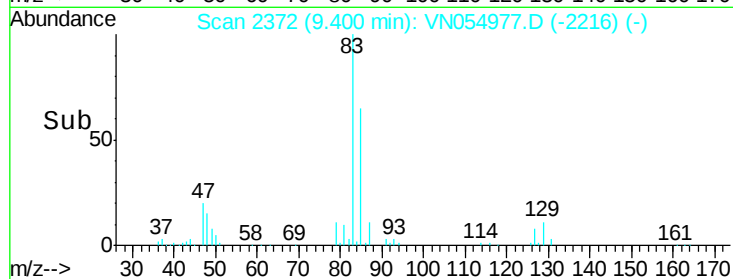
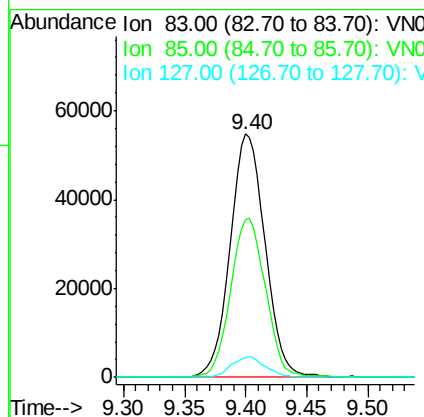
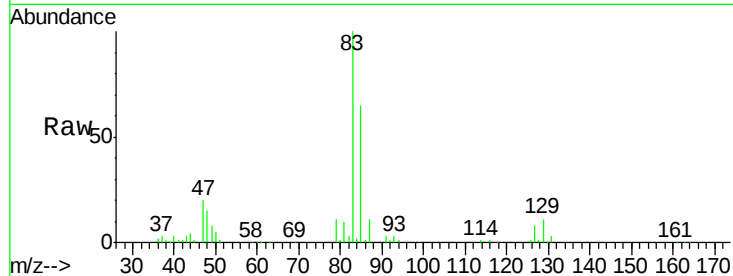
#41
 Bromodichloromethane
 Concen: 20.715 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	109321
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.0	78.0
127	9.0	7.2	10.8

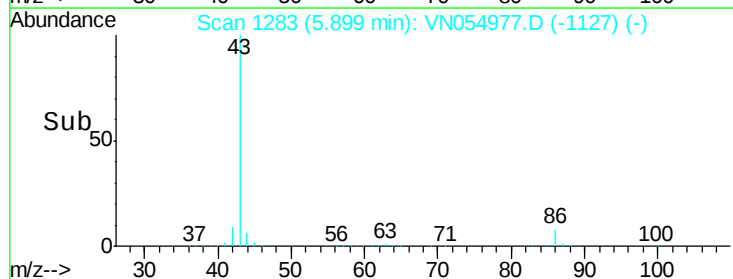
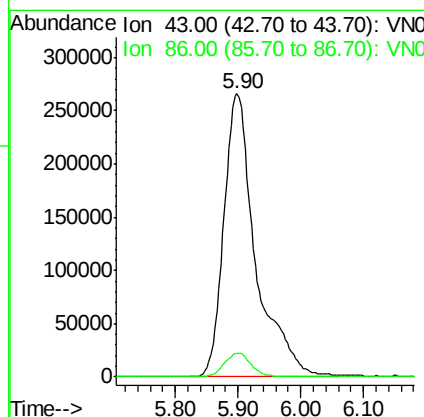
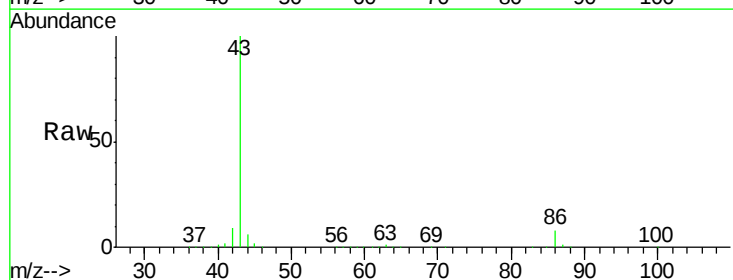
Manual Integrations
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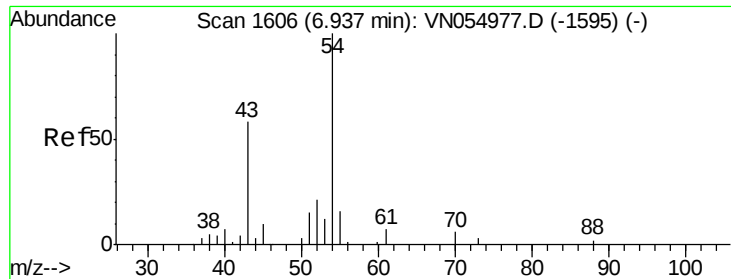
MMDadoda
 4/12/2019 1:41:07 PM



#42
 Vinyl Acetate
 Concen: 108.733 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	43	Resp	938491
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





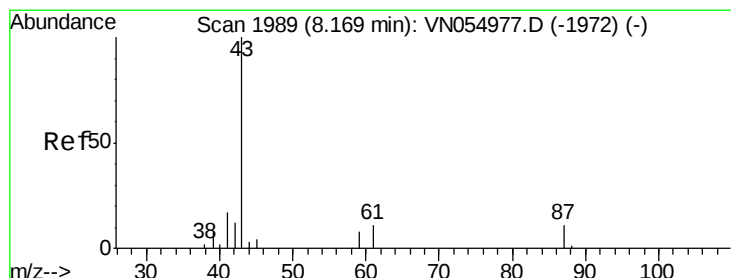
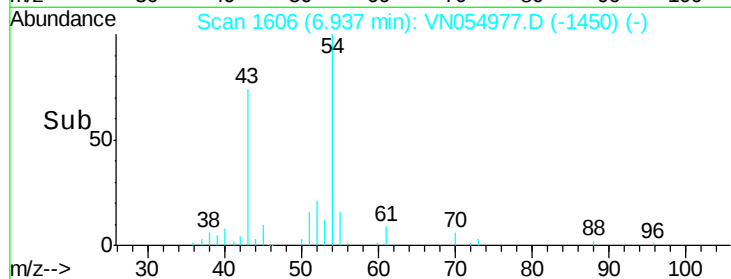
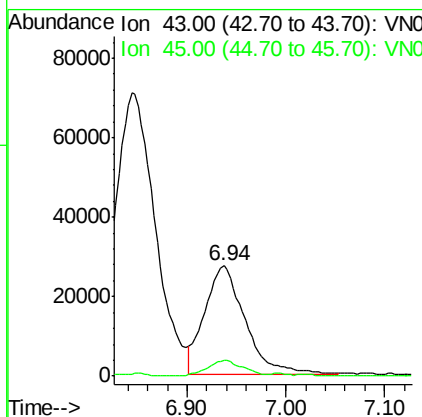
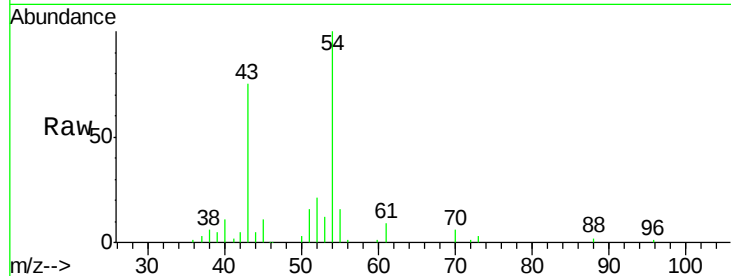
#43
Ethyl Acetate
Concen: 22.066 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 77724
Ion Ratio Lower Upper
43 100
45 13.2 10.6 15.8

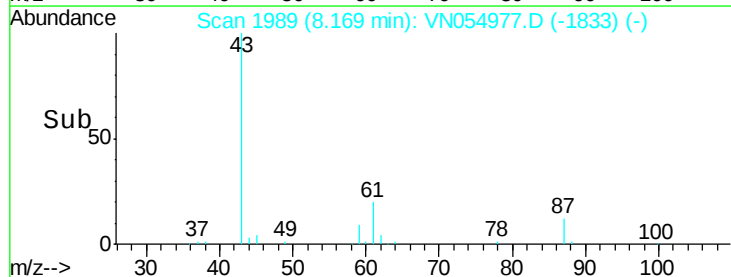
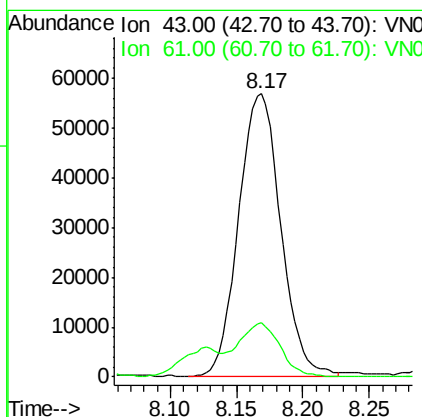
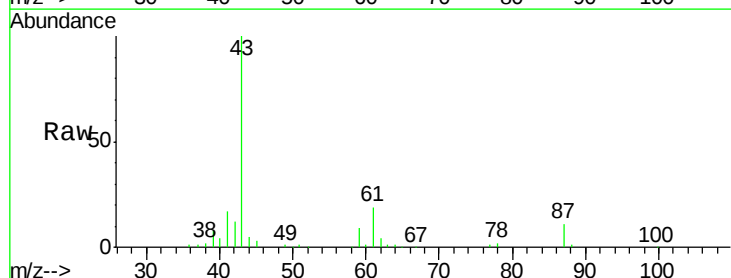
Manual Integrations
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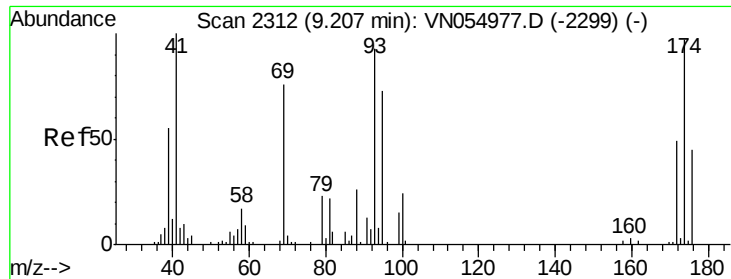
MMDadoda
4/12/2019 1:41:07 PM



#44
Isopropyl Acetate
Concen: 20.383 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion: 43 Resp: 125133
Ion Ratio Lower Upper
43 100
61 18.5 14.8 22.2





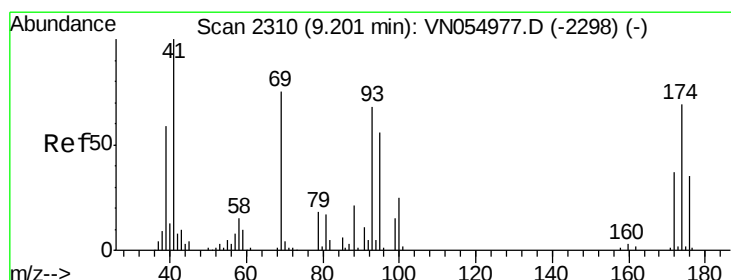
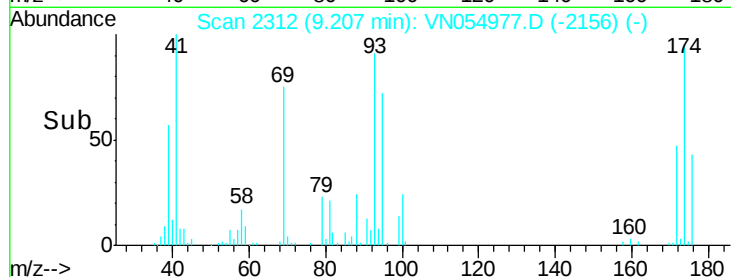
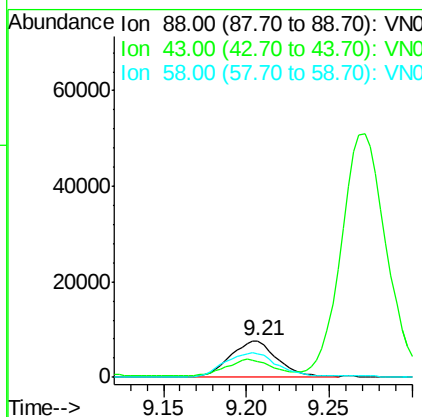
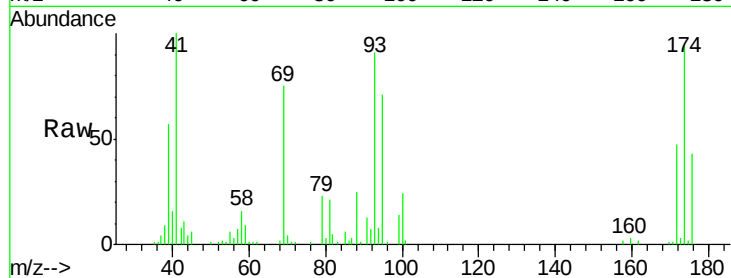
#45
 1,4-Dioxane
 Concen: 470.876 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	43.1		34.5	51.7
58	75.4		60.3	90.5

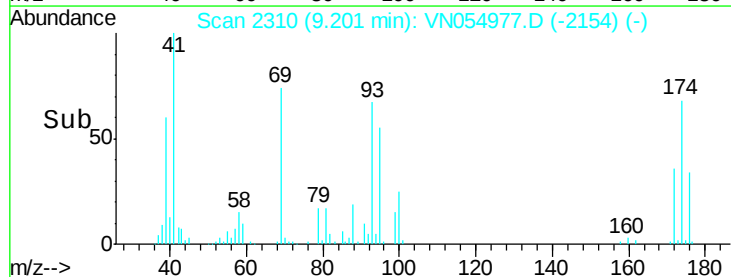
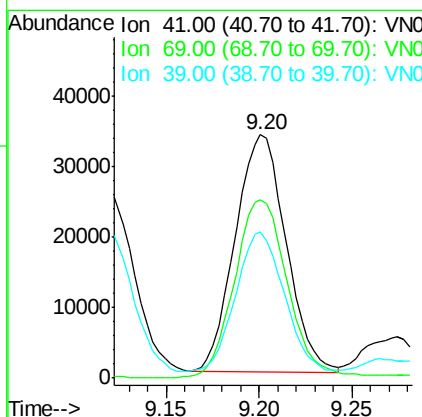
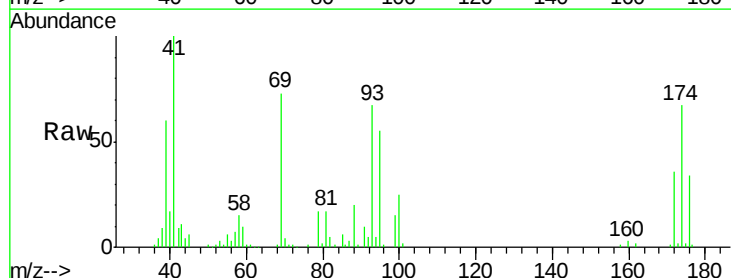
Manual Integrations
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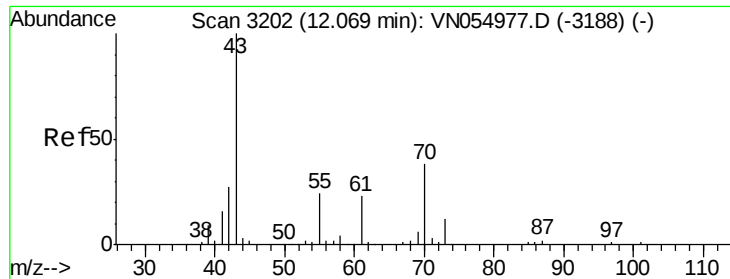
MMDadoda
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#46
 Methyl methacrylate
 Concen: 21.590 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.6		37.3	111.9
39	58.8		29.4	88.2





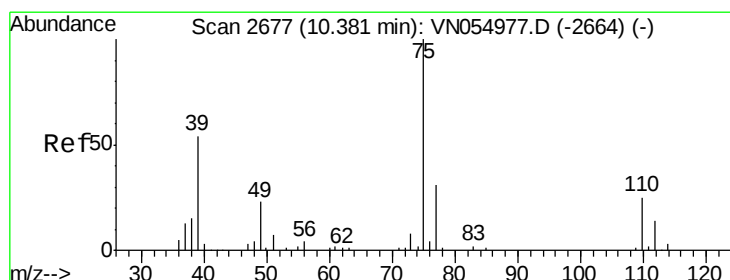
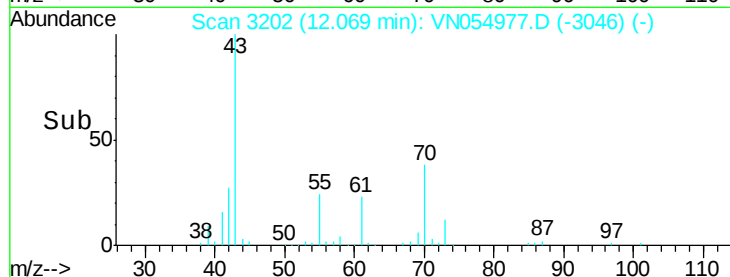
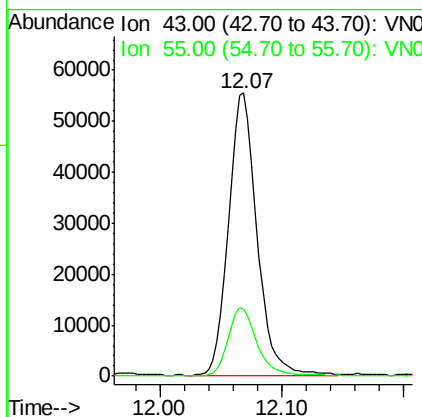
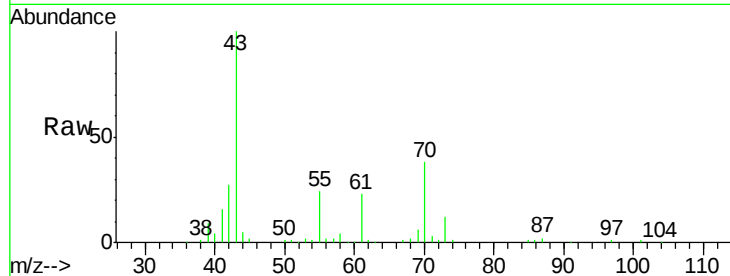
#47
n-amvl Acetate
Concen: 20.340 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 90183
Ion Ratio Lower Upper
43 100
55 24.7 19.8 29.6

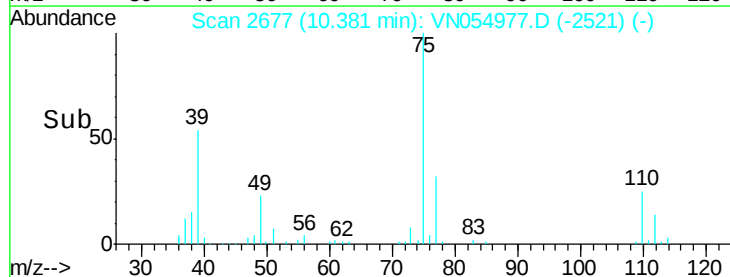
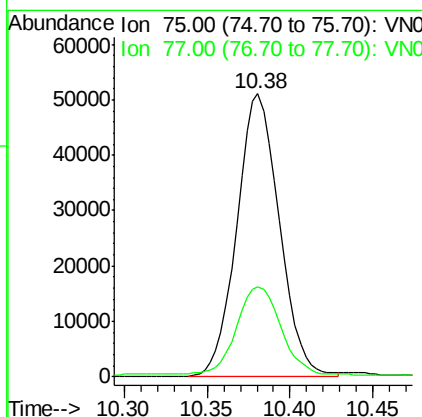
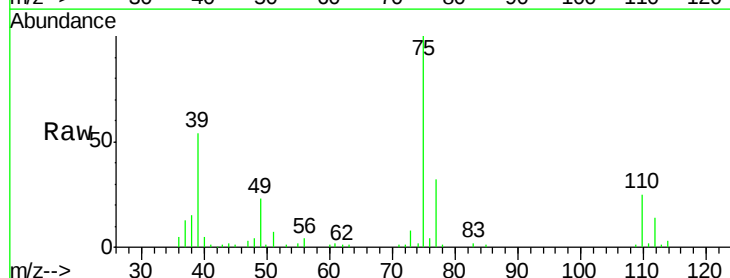
Manual Integrations
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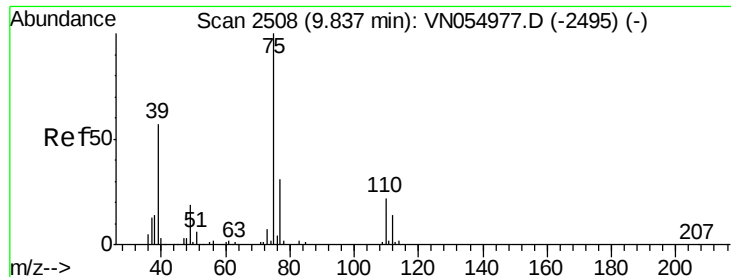
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#48
t-1,3-Dichloropropene
Concen: 17.589 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion: 75 Resp: 91460
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0





#49

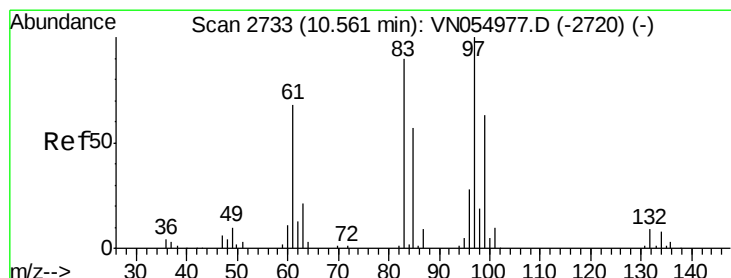
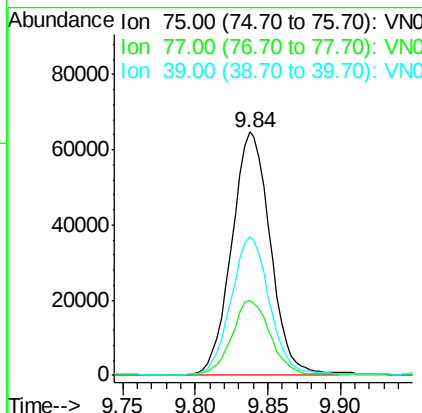
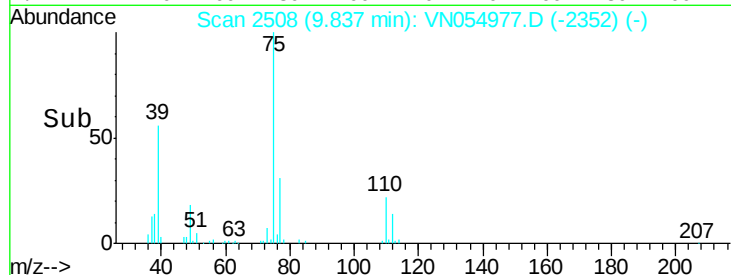
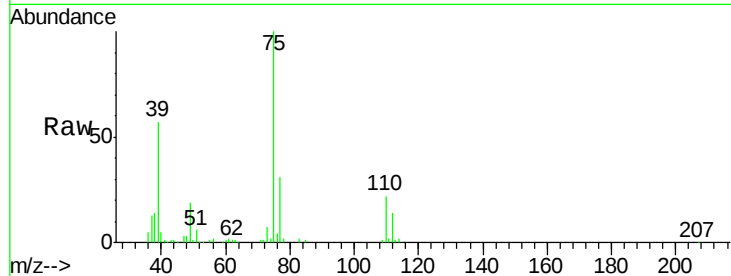
cis-1,3-Dichloropropene
 Concen: 19.504 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	56.6	45.3	67.9

Manual Integrations
 APPROVED

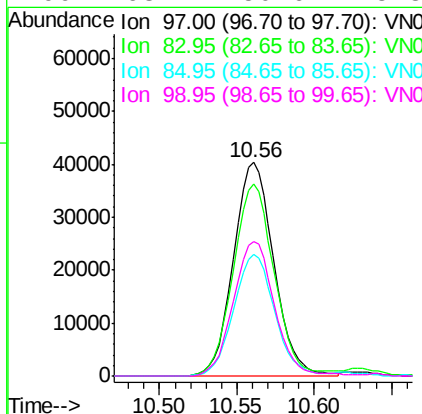
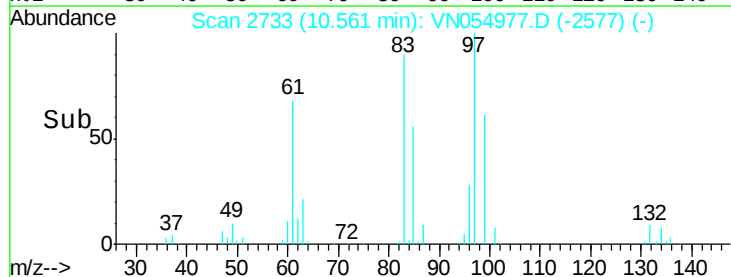
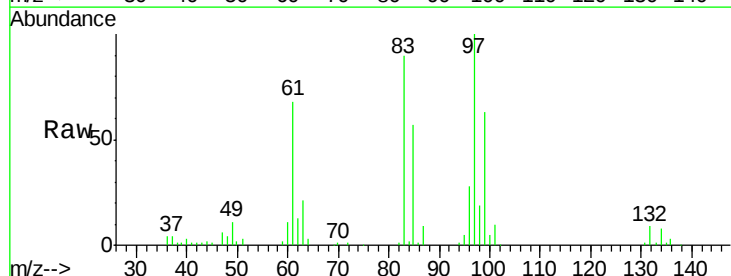
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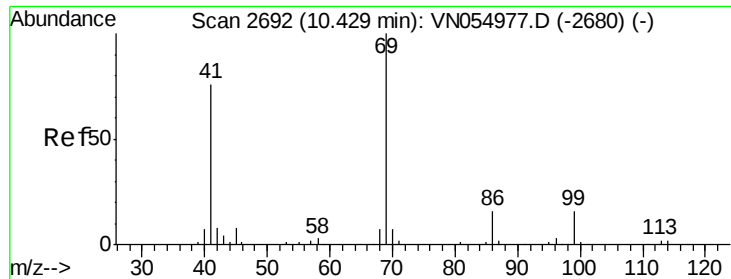


#50

1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	72.1	108.1
85	56.7	45.4	68.0
99	63.2	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.286 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 69 Resp: 79282

Ion Ratio Lower Upper

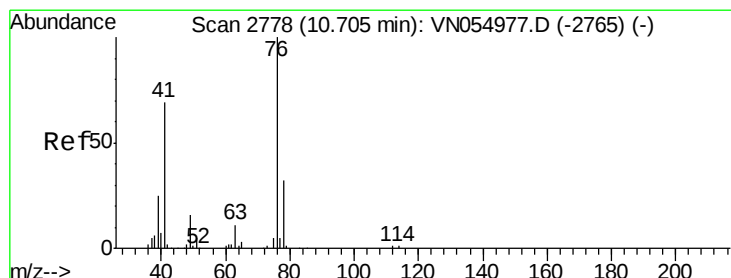
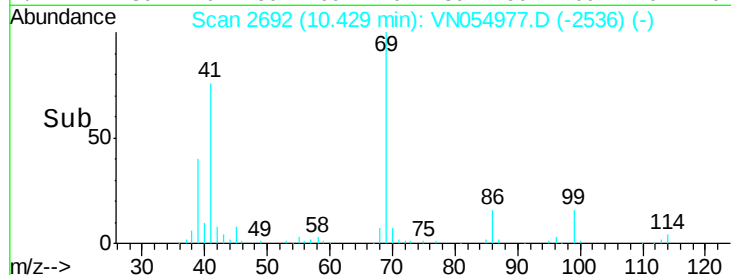
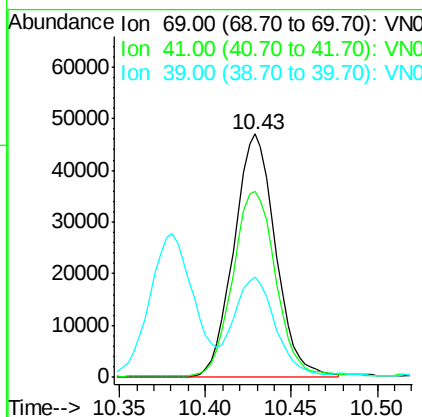
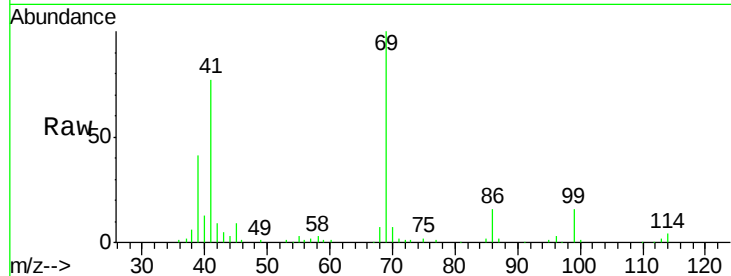
69 100

41 75.8 37.9 113.7

39 39.6 19.8 59.4

Manual Integrations
APPROVED

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#52

1,3-Dichloropropane

Concen: 21.500 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054977.D

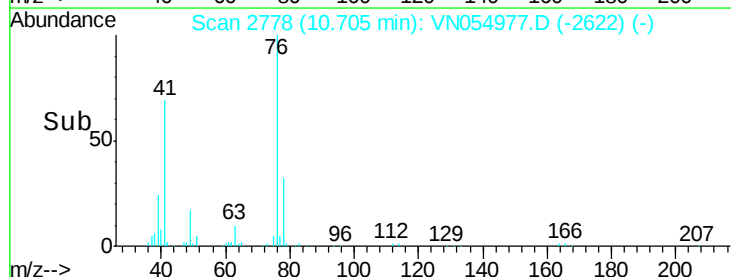
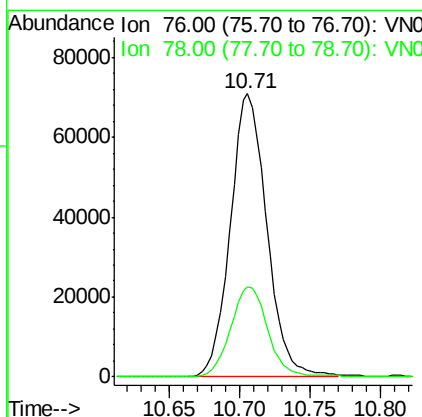
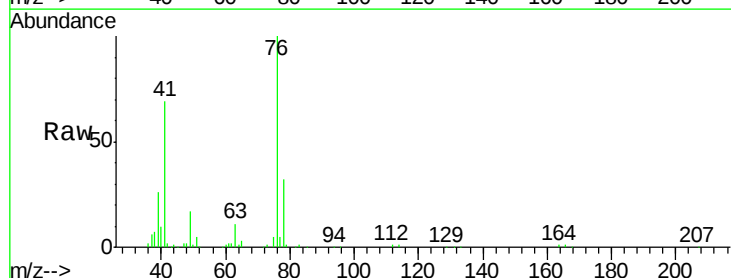
Acq: 11 Apr 2019 14:54

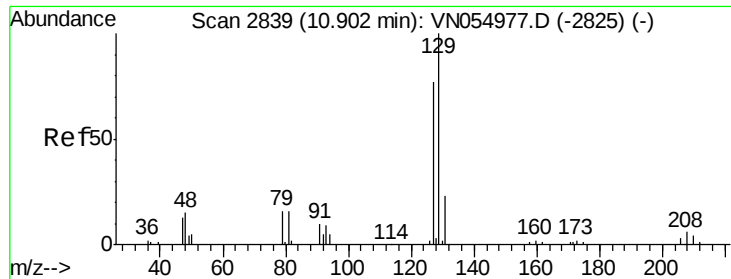
Tgt Ion: 76 Resp: 128548

Ion Ratio Lower Upper

76 100

78 32.2 0.0 64.4





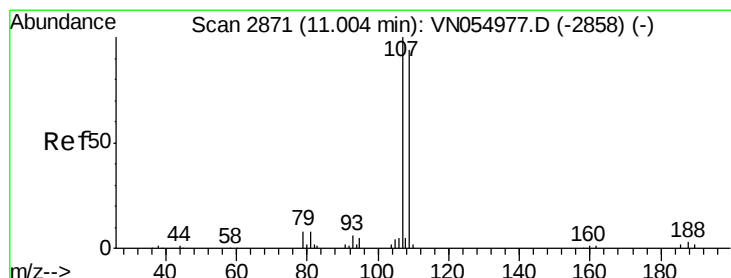
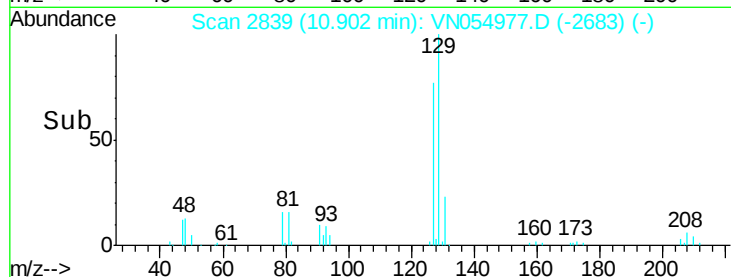
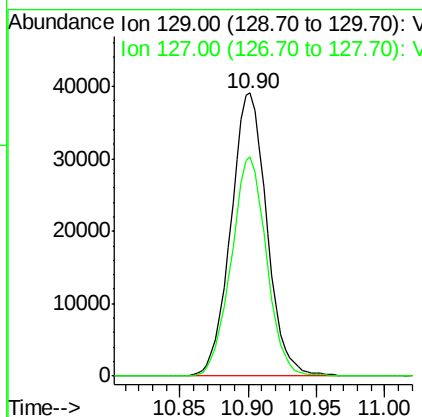
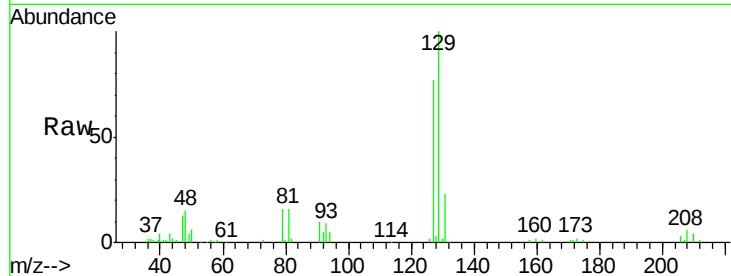
#53
Dibromochloromethane
Concen: 18.893 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 71621
Ion Ratio Lower Upper
129 100
127 75.5 37.8 113.3

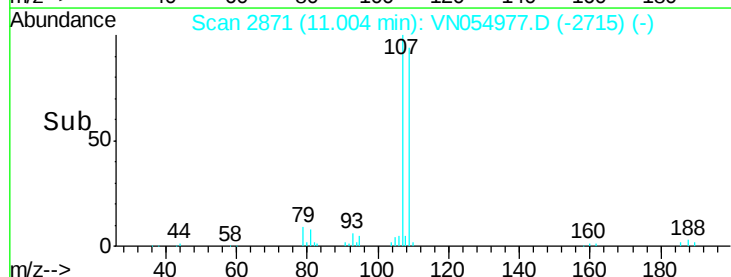
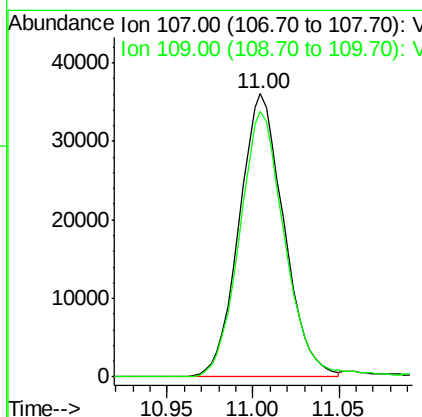
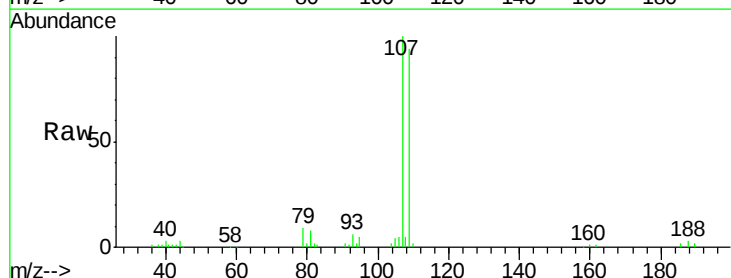
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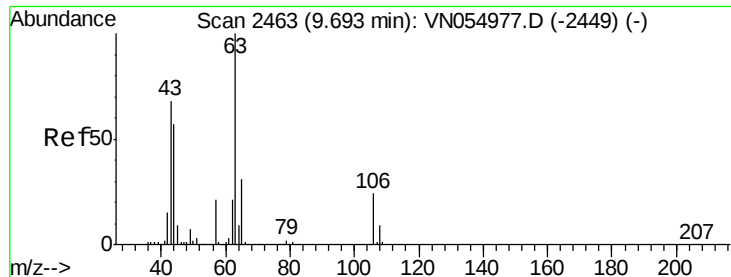
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#54
1,2-Dibromoethane
Concen: 19.795 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion:107 Resp: 65136
Ion Ratio Lower Upper
107 100
109 95.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 94.056 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 177799

Ion Ratio Lower Upper

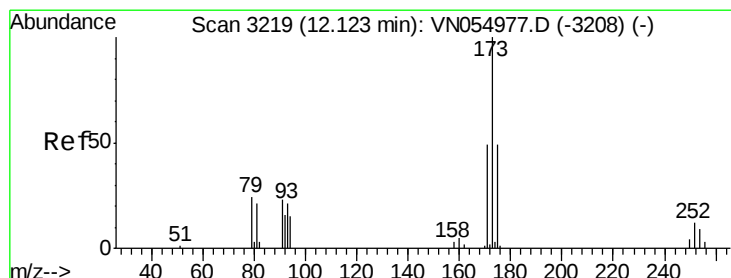
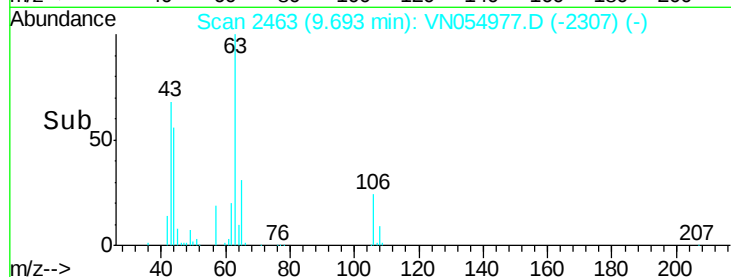
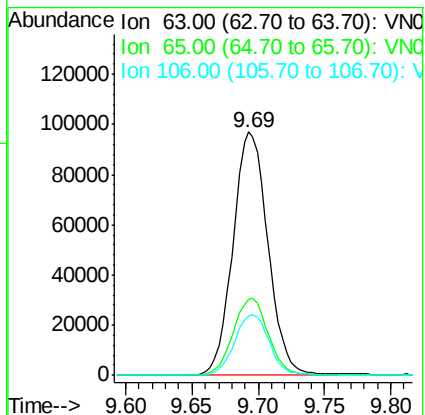
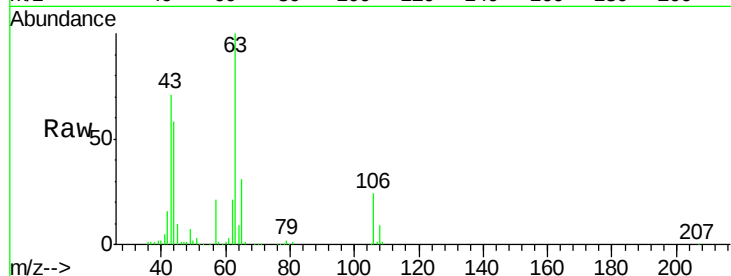
63 100

65 31.7 25.4 38.0

106 24.7 19.8 29.6

Manual Integrations
APPROVED

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4/12/2019 1:41:07 PM



#56

Bromoform

Concen: 17.024 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

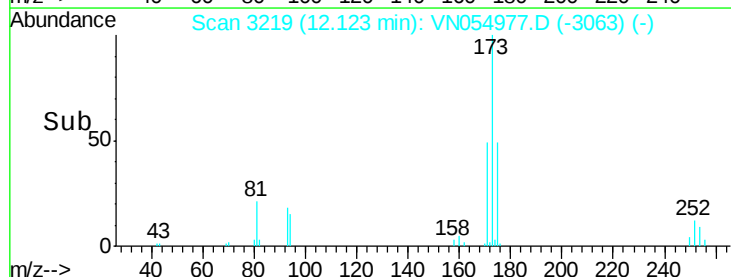
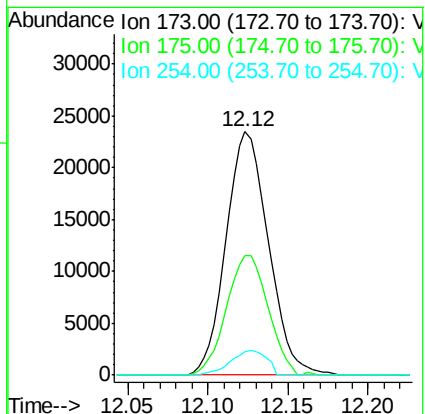
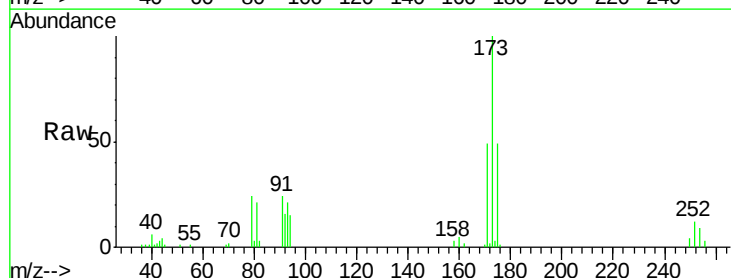
Tgt Ion: 173 Resp: 42414

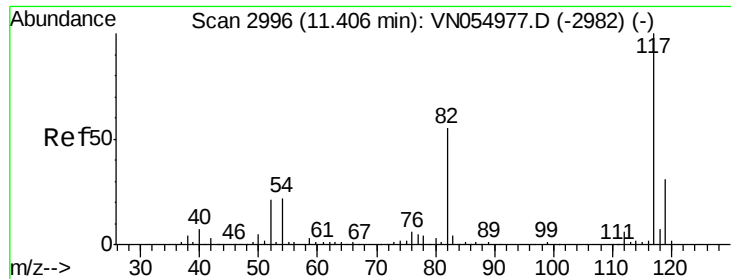
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.5 6.8 10.2





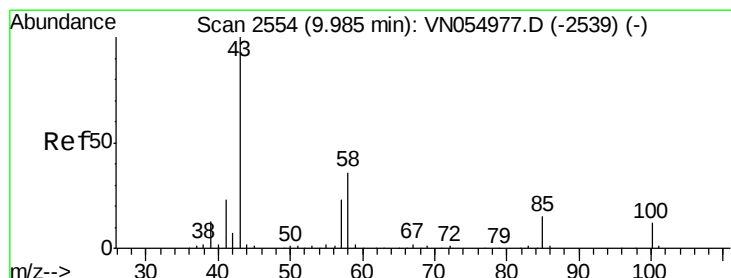
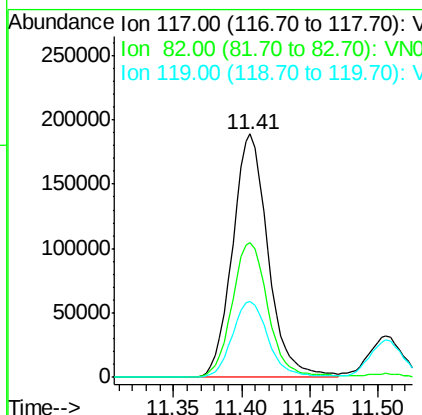
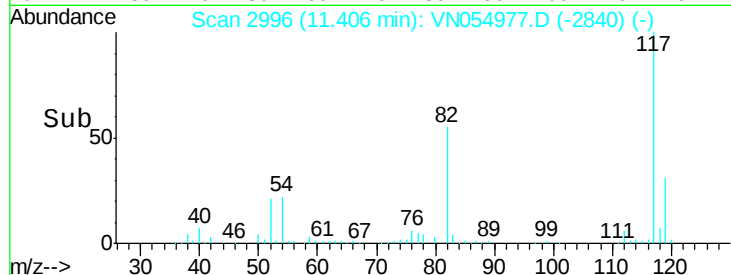
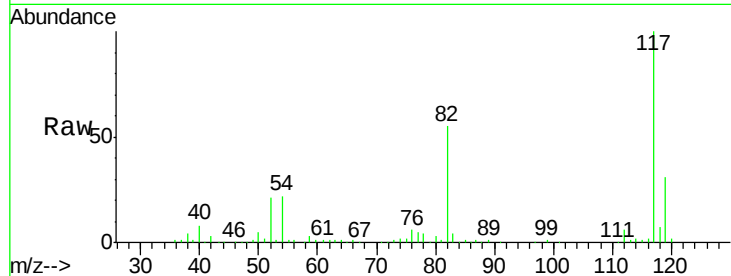
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.2	67.8
119	31.8	25.4	38.2

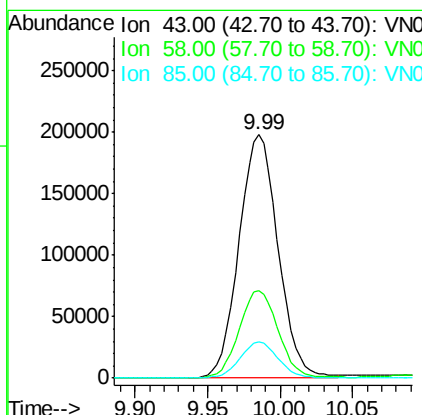
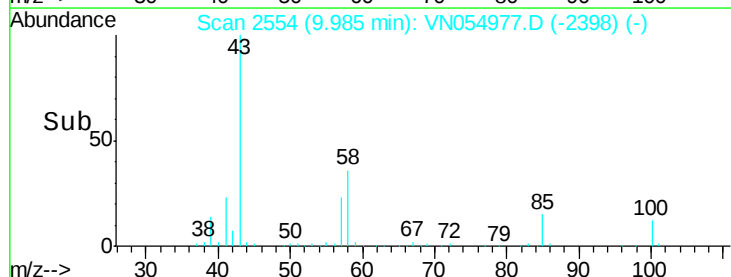
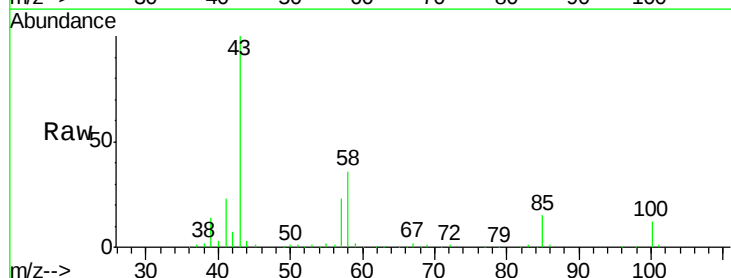
Manual Integrations
 APPROVED

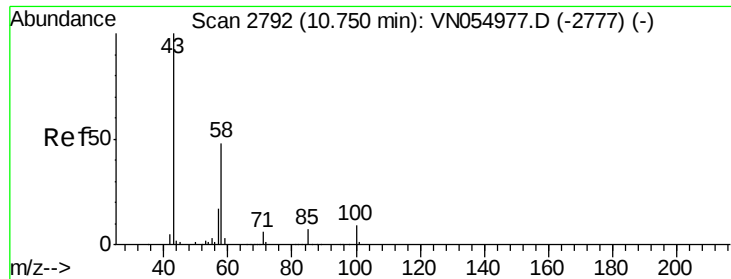
MMDadoda
 4/12/2019 1:41:07 PM



#58
 4-Methyl-2-Pentanone
 Concen: 111.049 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.7	43.1
85	14.7	11.8	17.6





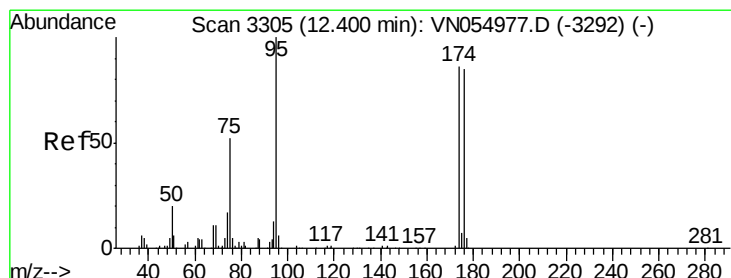
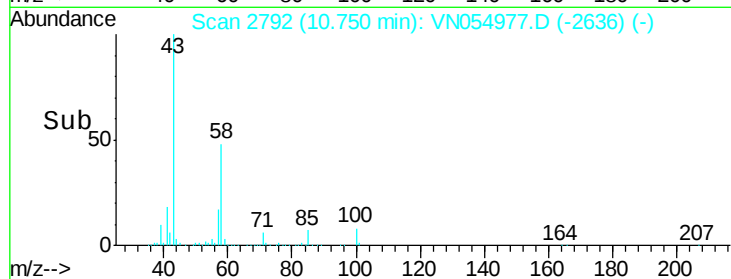
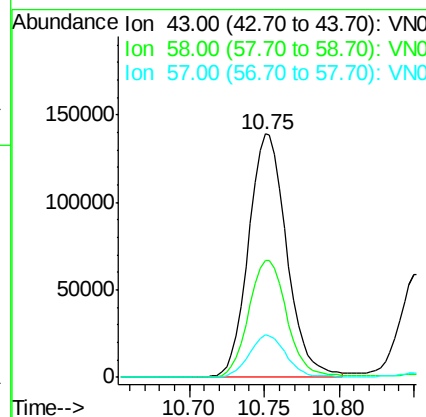
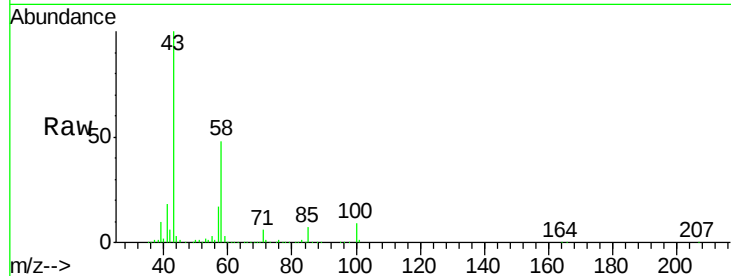
#59
2-Hexanone
Concen: 112.939 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.8	58.2
57	17.2	13.8	20.6

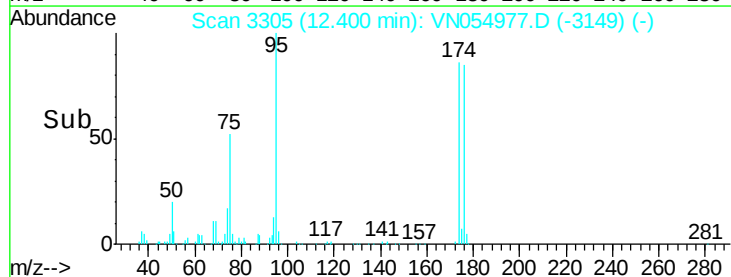
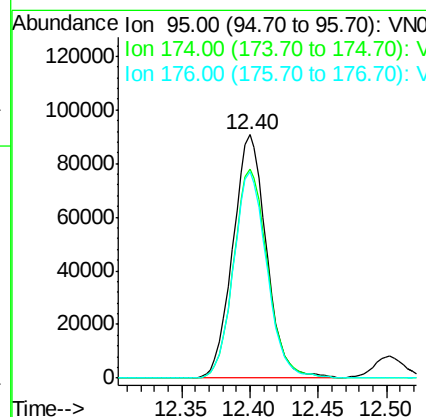
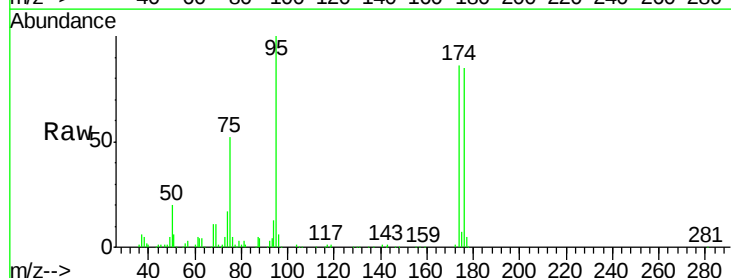
Manual Integrations
APPROVED

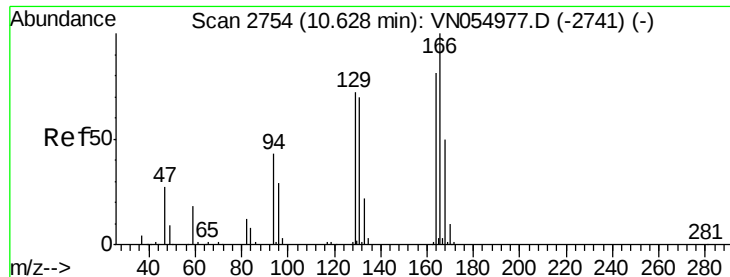
MMDadoda
4/12/2019 1:41:07 PM



#60
4-Bromofluorobenzene
Concen: 112.939 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	69.4	104.2
176	84.3	67.4	101.2





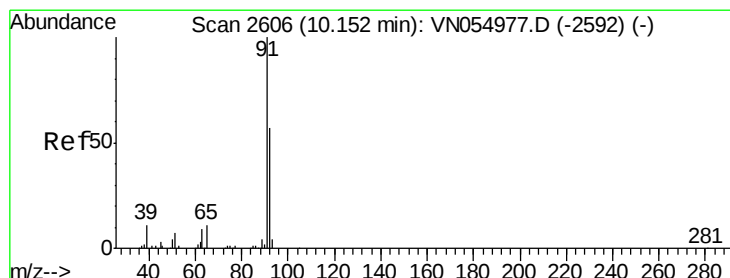
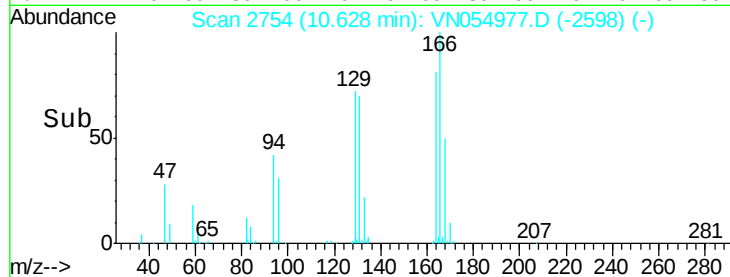
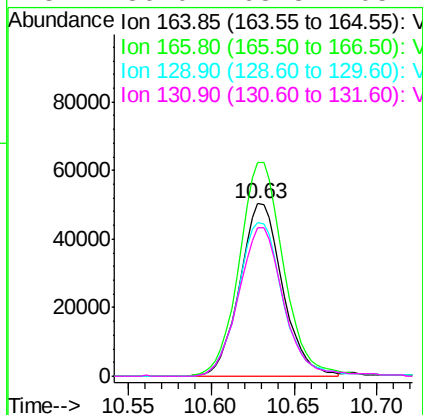
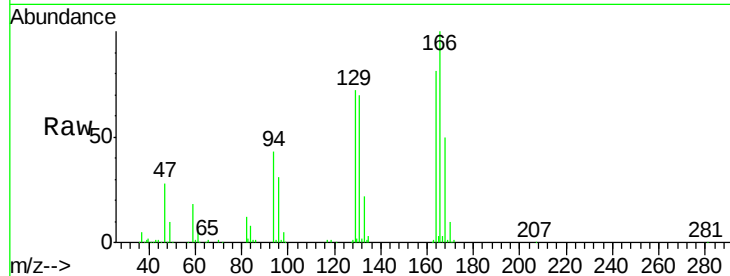
#61
Tetrachloroethene
Concen: 21.525 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.7	99.0	148.4
129	89.2	71.4	107.0
131	86.0	68.8	103.2

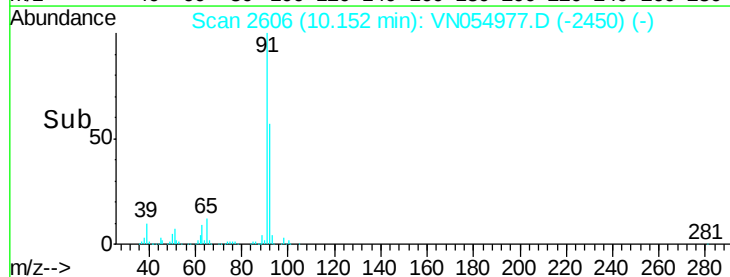
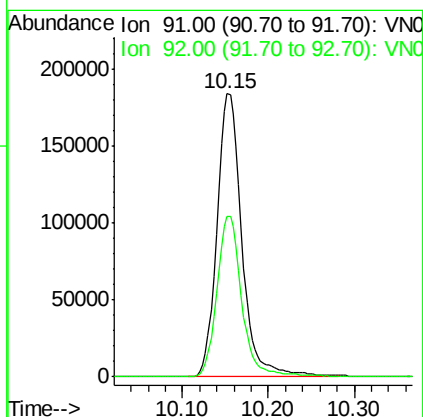
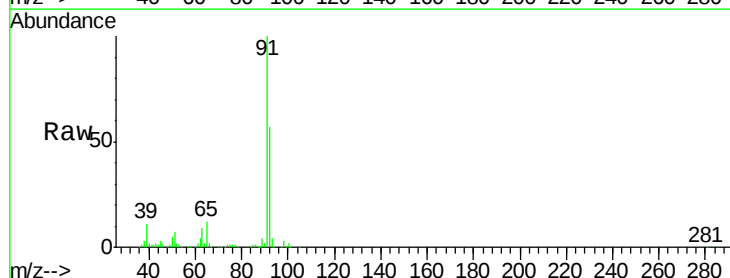
Manual Integrations
APPROVED

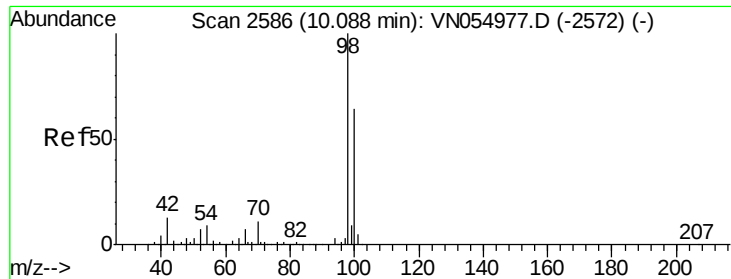
MMDadoda
4/12/2019 1:41:07 PM



#62
Toluene
Concen: 22.110 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.8	67.2





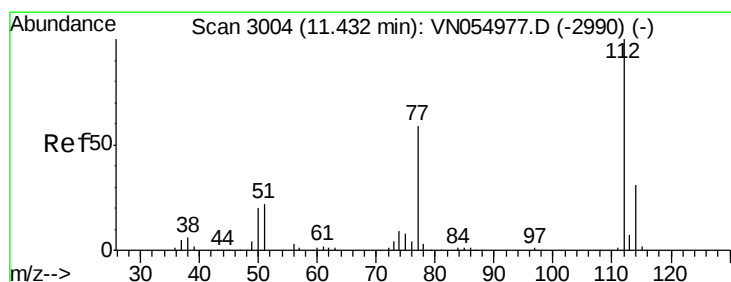
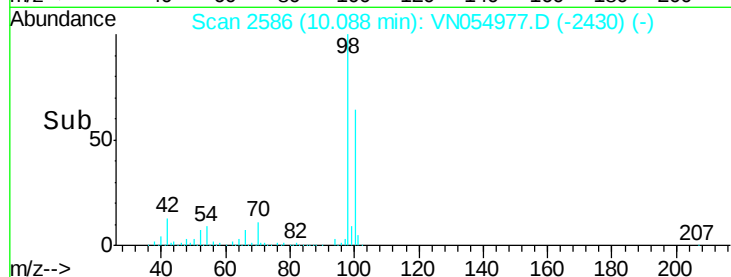
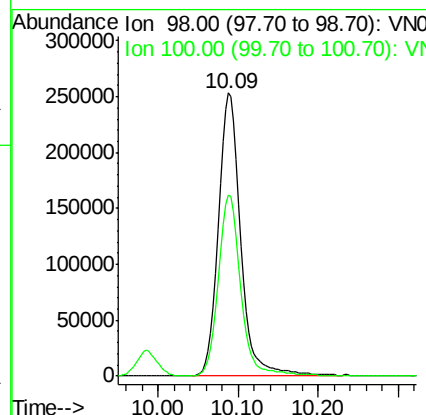
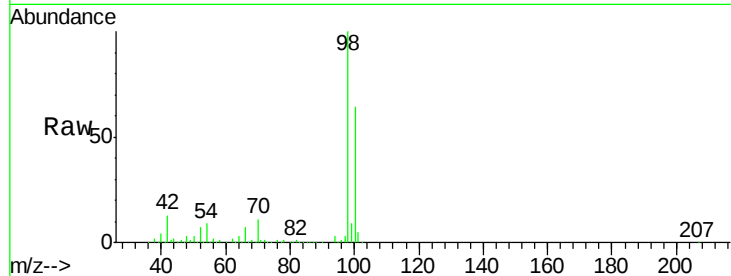
#63
Toluene-d8
Concen: 22.110 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 494336
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

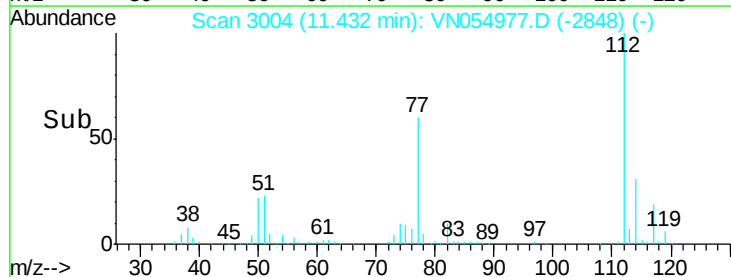
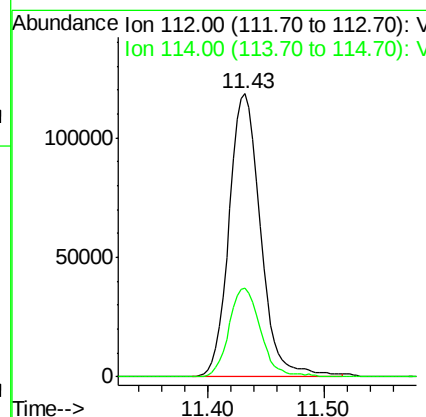
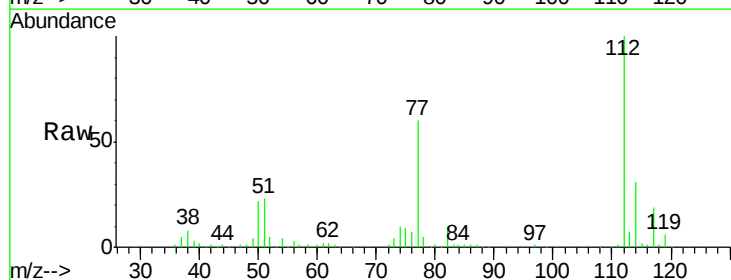
Manual Integrations
APPROVED

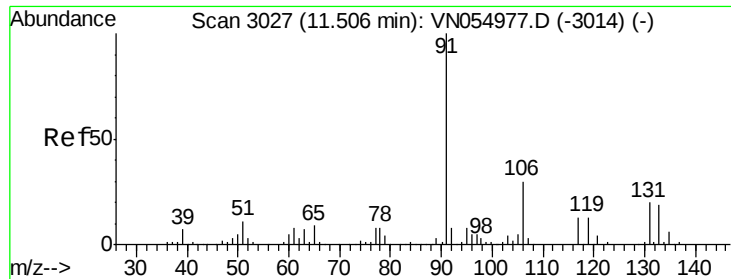
MMDadoda
4/12/2019 1:41:07 PM



#64
Chlorobenzene
Concen: 21.873 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion: 112 Resp: 223933
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7





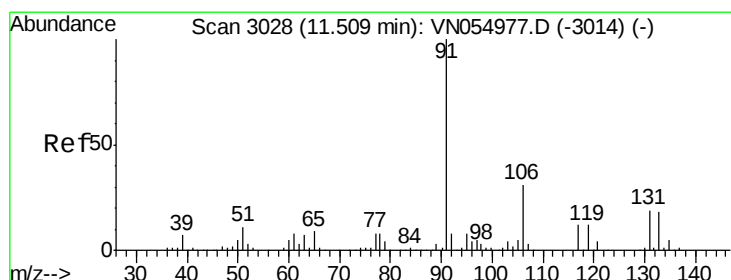
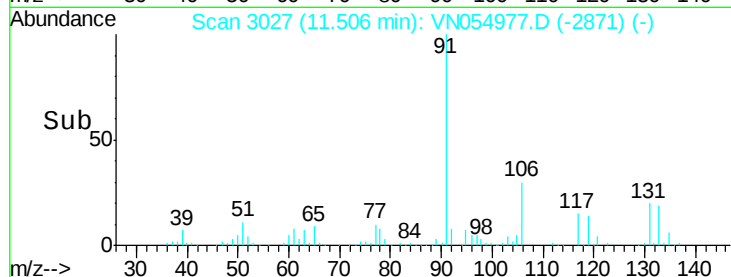
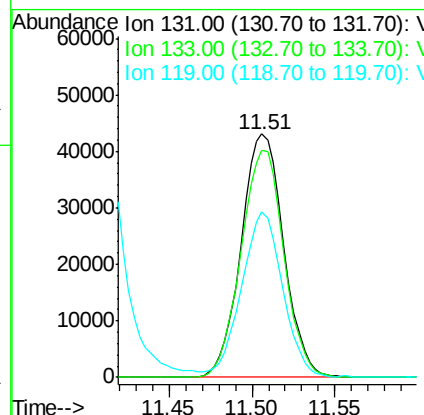
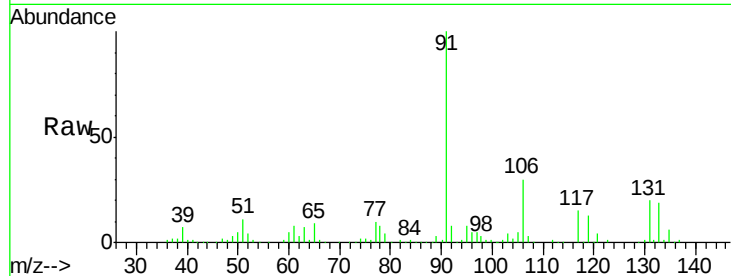
#65
1,1,1,2-Tetrachloroethane
Concen: 20.577 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	76896		
133	93.9	0.0	187.8	
119	65.7	0.0	131.4	

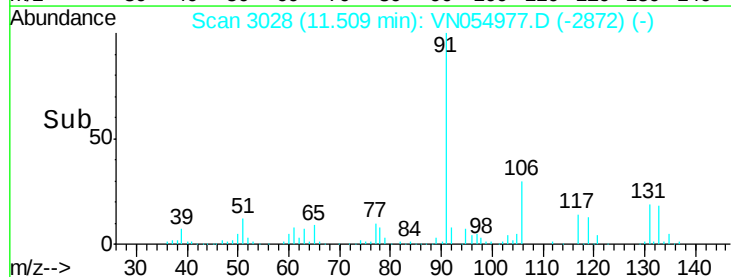
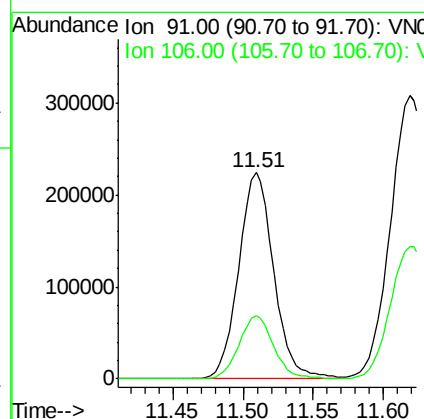
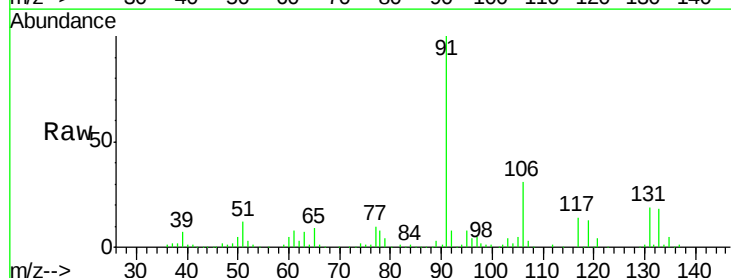
Manual Integrations
APPROVED

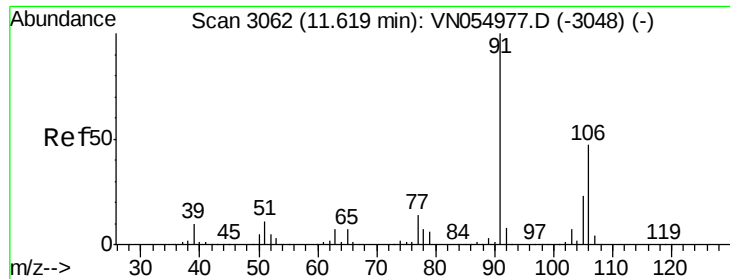
MMDadoda
4/12/2019 1:41:07 PM



#66
Ethyl Benzene
Concen: 22.333 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	391670		
106	30.7	24.6	36.8	





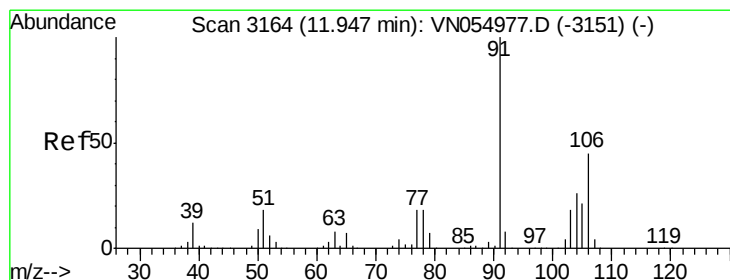
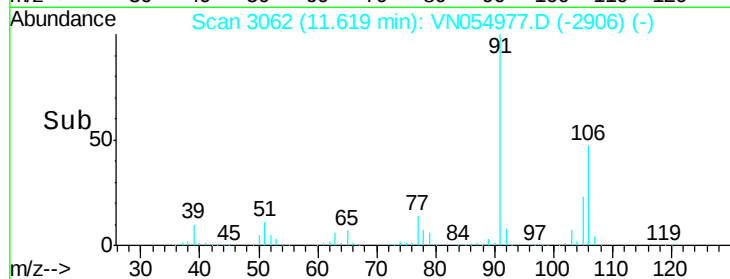
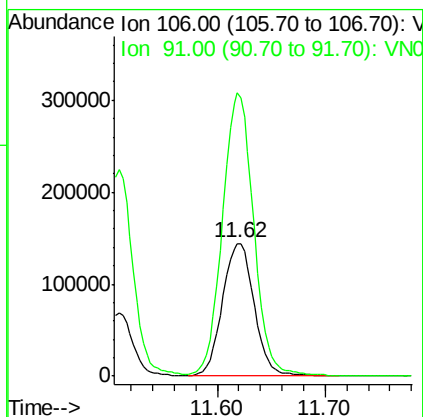
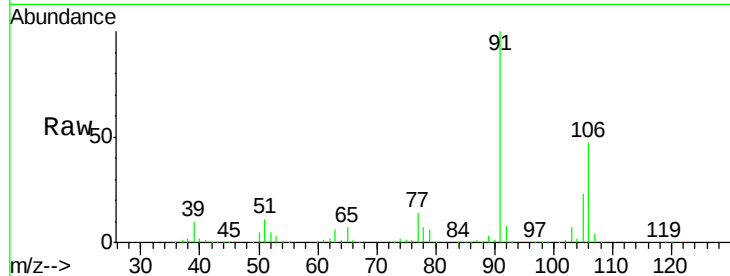
#67
m/p-Xvlenes
Concen: 45.218 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 297197
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.2

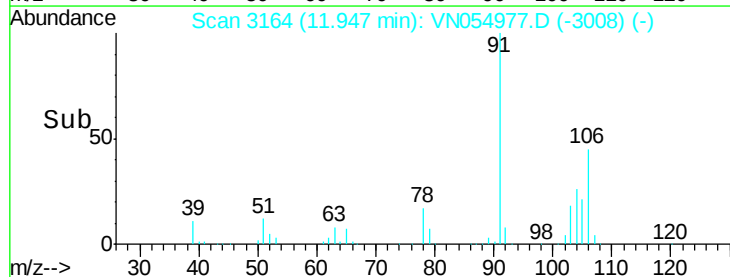
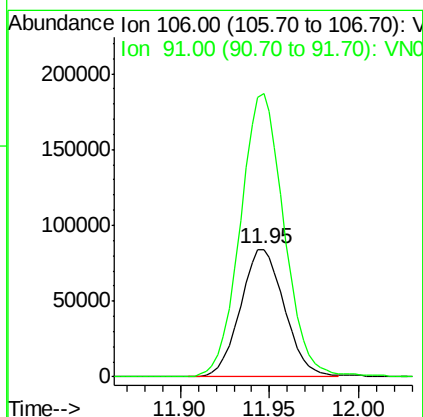
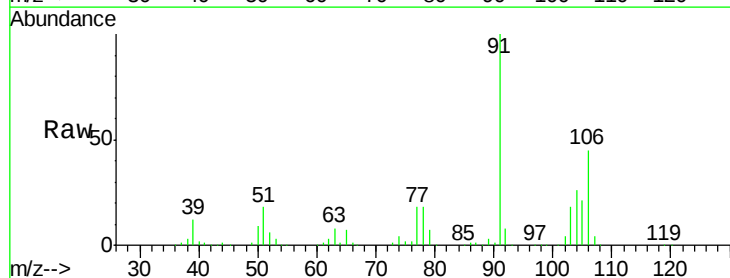
Manual Integrations
APPROVED

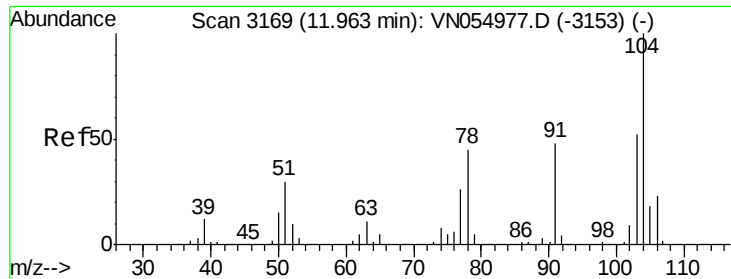
MMDadoda
4/12/2019 1:41:07 PM



#68
o-Xylene
Concen: 22.785 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion:106 Resp: 145732
Ion Ratio Lower Upper
106 100
91 220.5 110.3 330.8





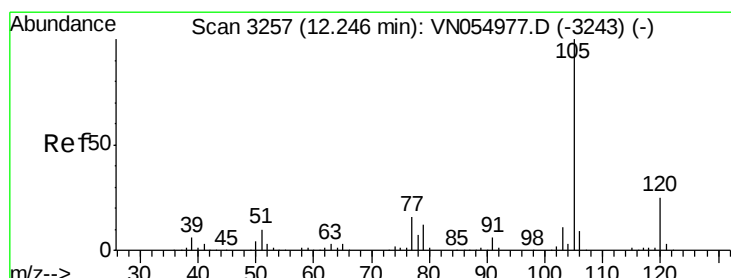
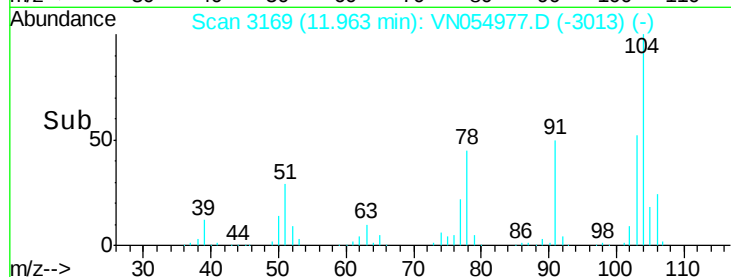
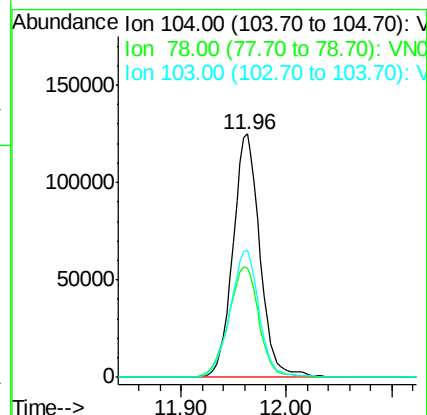
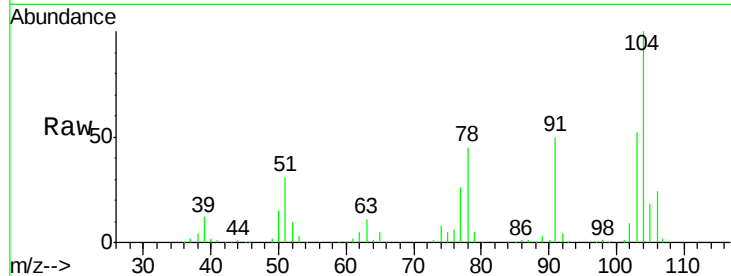
#69
Stvrene
Concen: 22.043 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	41.2	61.8
103	55.8	44.6	67.0

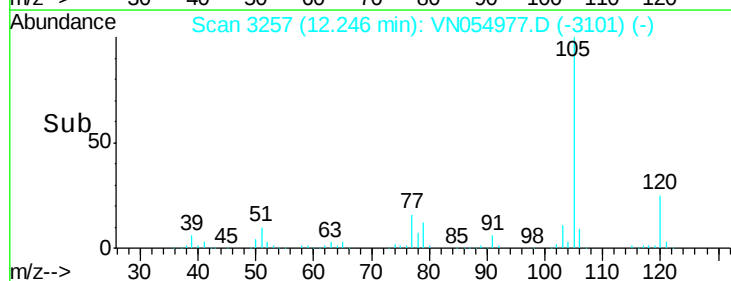
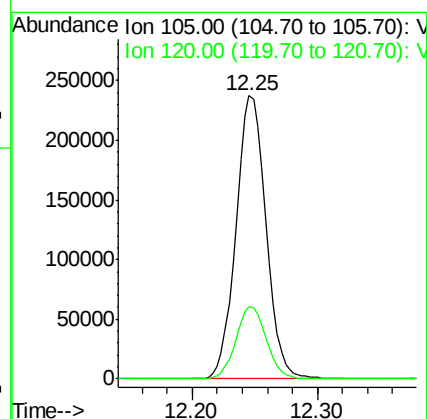
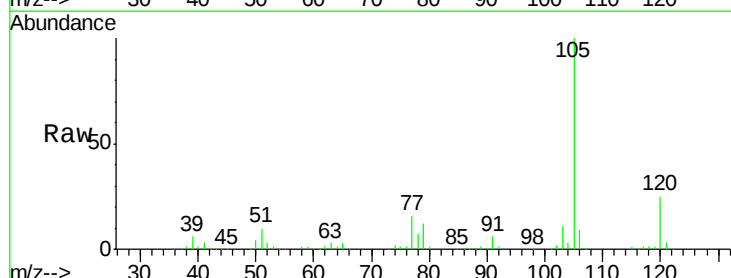
Manual Integrations
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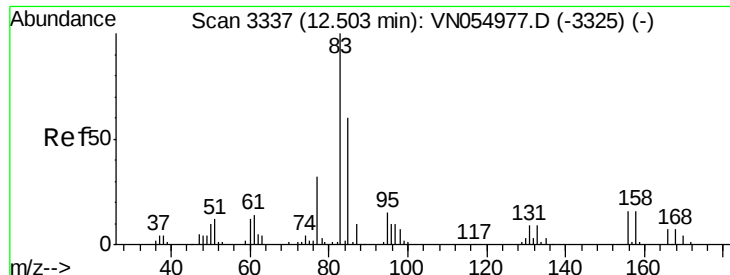
MMDadoda
4/12/2019 1:41:07 PM



#70
Isopropylbenzene
Concen: 23.424 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.3	33.9





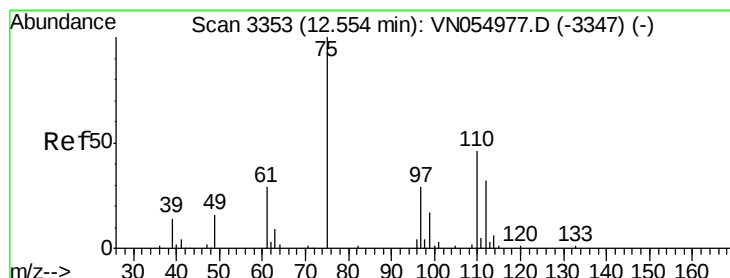
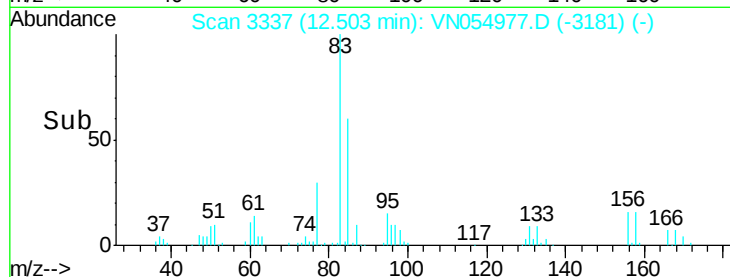
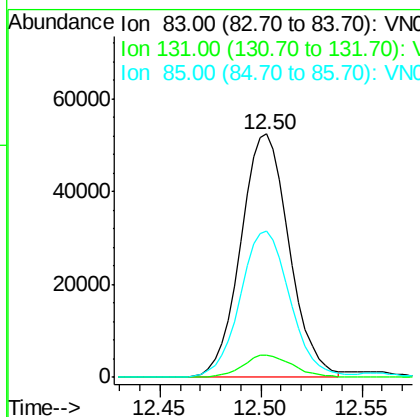
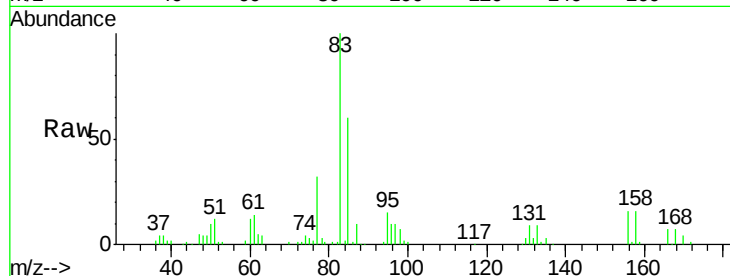
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.493 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	88443
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	61.7	30.9	92.5

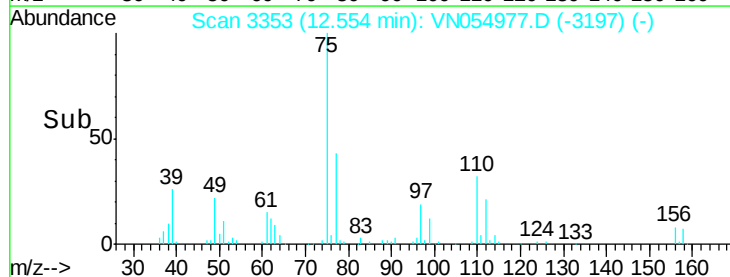
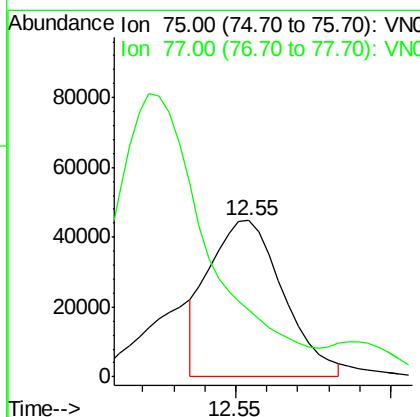
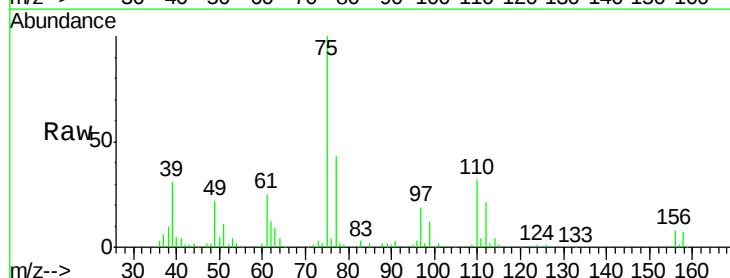
Manual Integrations
 APPROVED

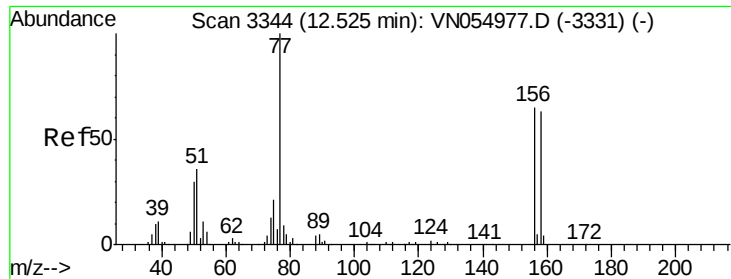
MMDadoda
 4/12/2019 1:41:07 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.809 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	75	Resp	74839
Ion Ratio	100	Lower	Upper
75	100		
77	233.3	0.0	466.6





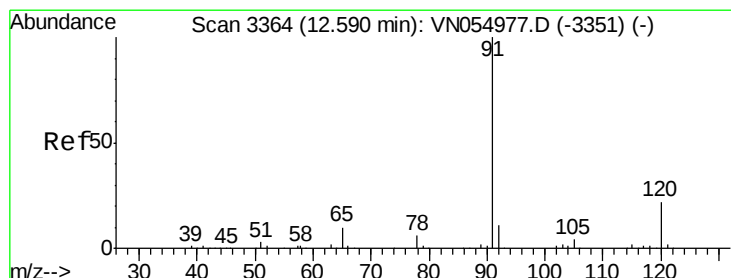
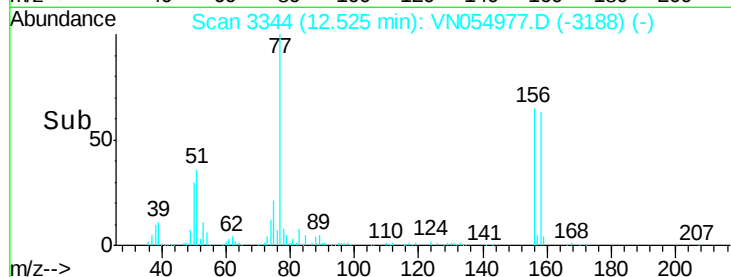
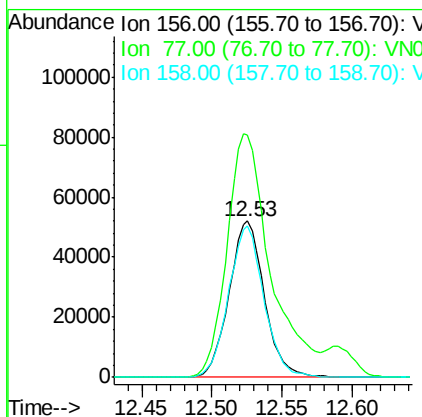
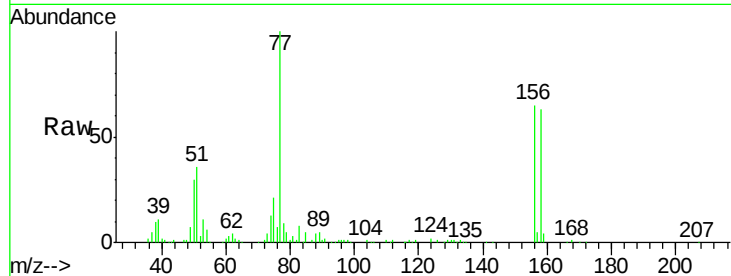
#73
Bromobenzene
Concen: 21.651 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		91116		
77	191.6	0.0	383.2		
158	96.9	0.0	193.8		

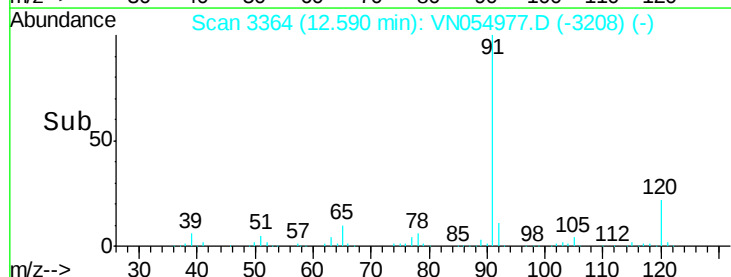
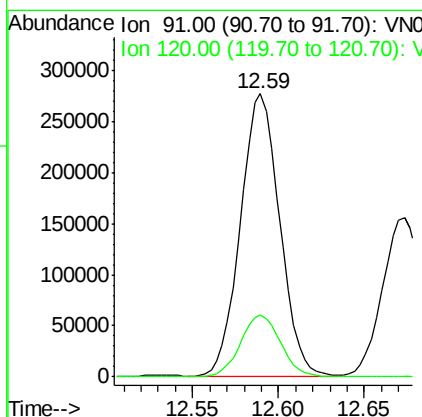
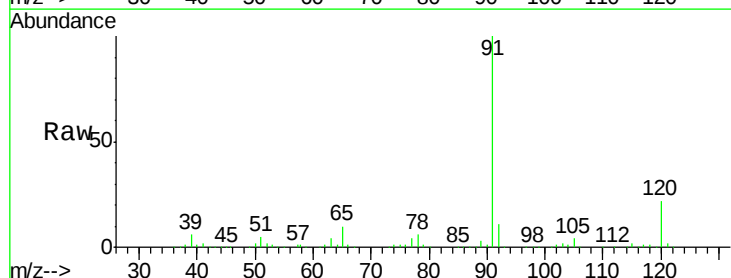
Manual Integrations
APPROVED

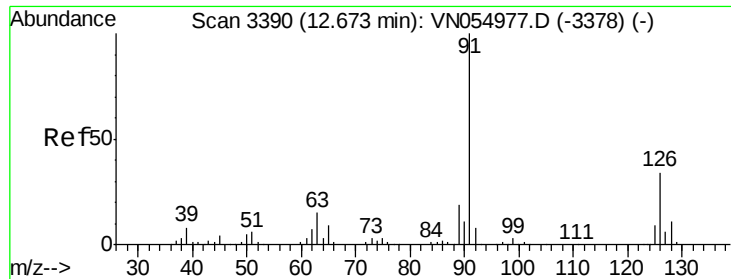
MMDadoda
4/12/2019 1:41:07 PM



#74
n-propylbenzene
Concen: 22.183 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		441270		
120	22.2	0.0	44.4		





#75

2-Chlorotoluene

Concen: 22.784 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 266371

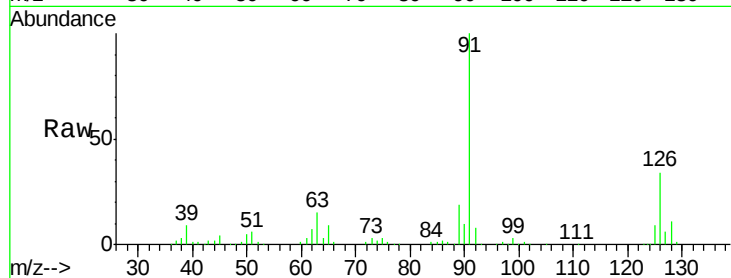
Ion Ratio Lower Upper

91 100

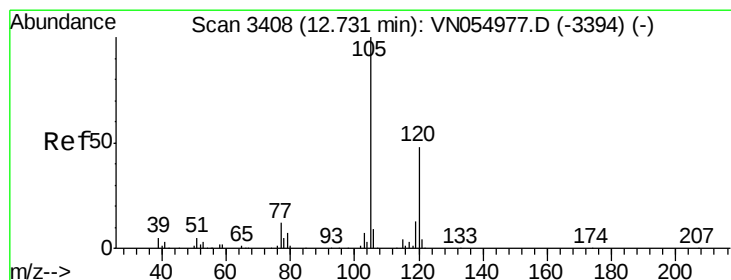
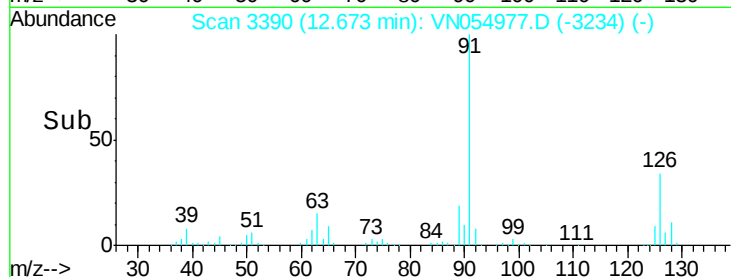
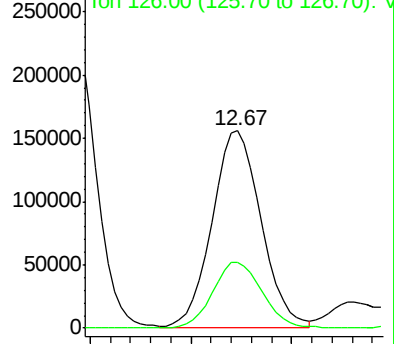
126 33.7 0.0 67.4

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Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 22.712 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054977.D

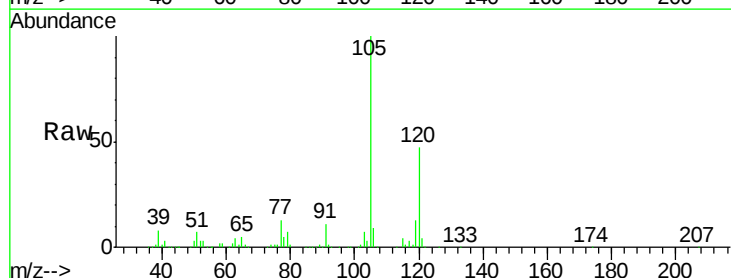
Acq: 11 Apr 2019 14:54

Tgt Ion: 105 Resp: 321549

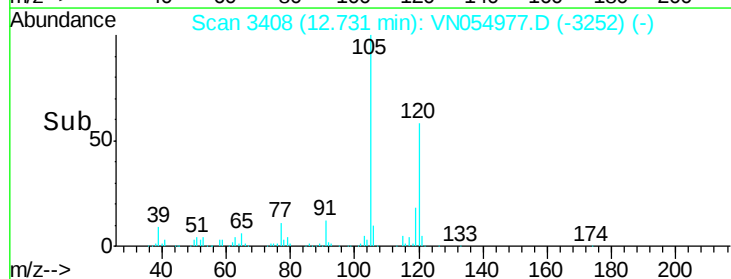
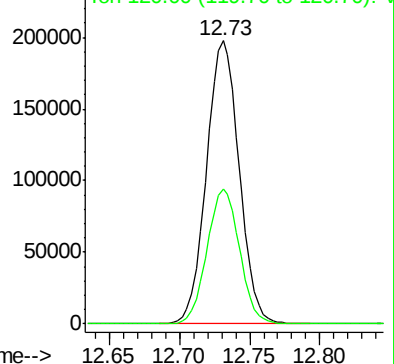
Ion Ratio Lower Upper

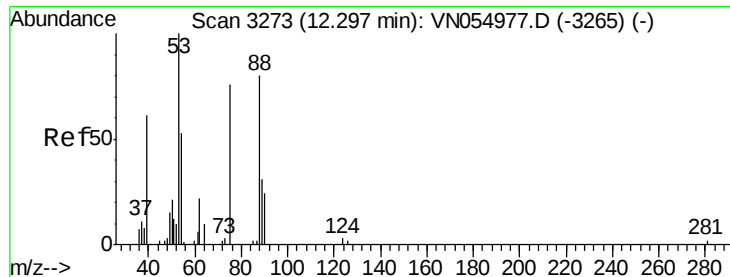
105 100

120 47.4 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.417 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

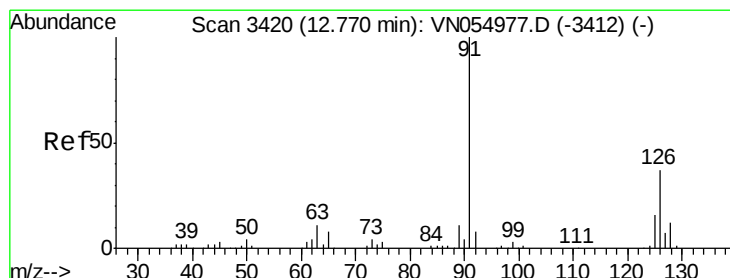
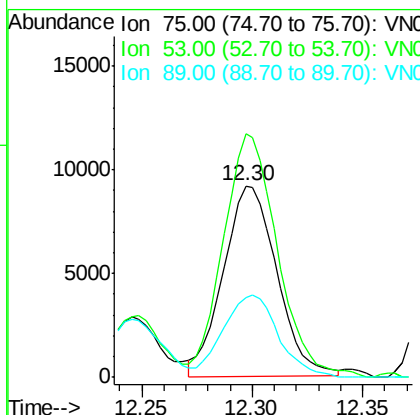
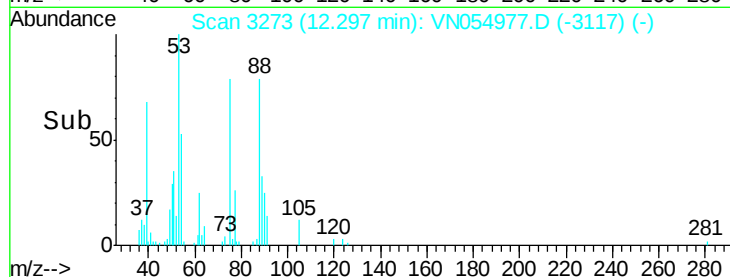
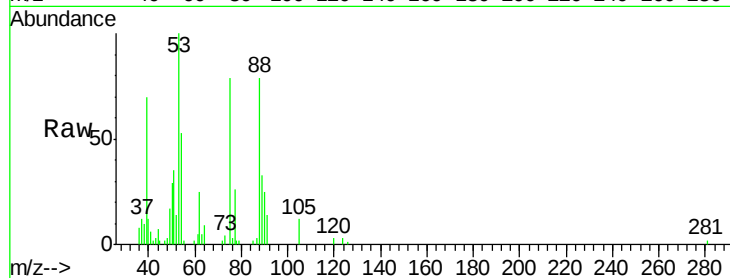
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	15397
Ion	Ratio	Lower	Upper
75	100		
53	128.5	64.3	192.7
89	43.3	21.6	65.0

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#78

4-Chlorotoluene

Concen: 21.343 ug/l

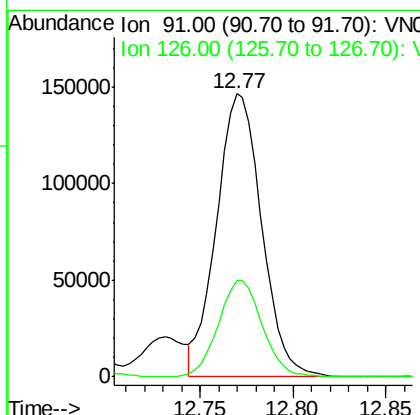
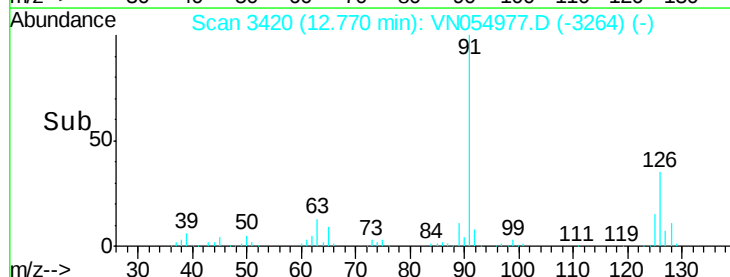
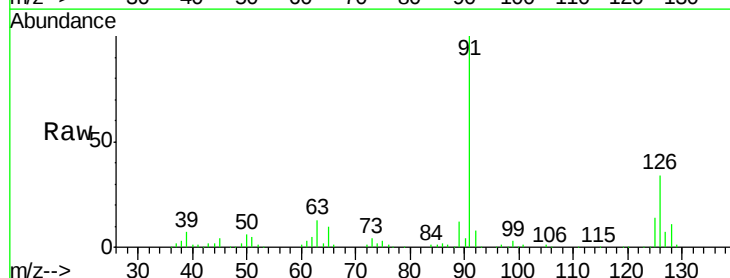
RT: 12.77 min Scan# 3420

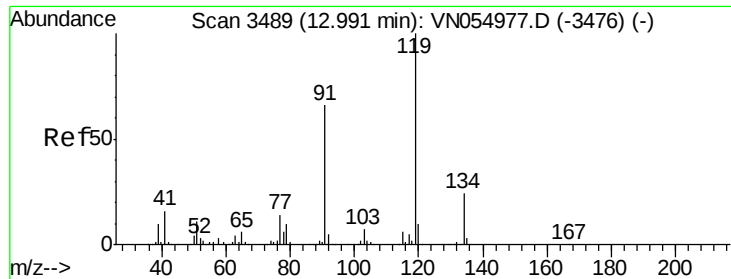
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	91	Resp:	247593
Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	66.6





#79

tert-butylbenzene

Concen: 22.262 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

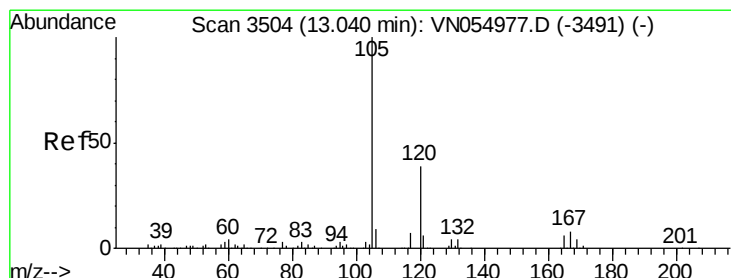
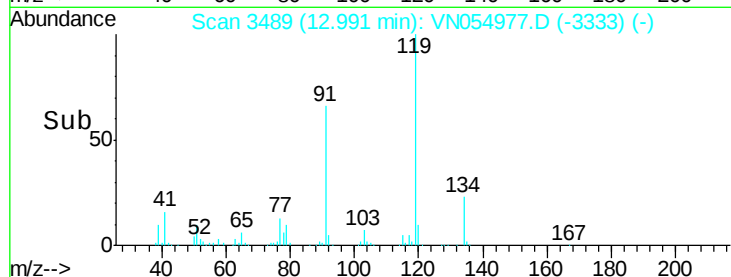
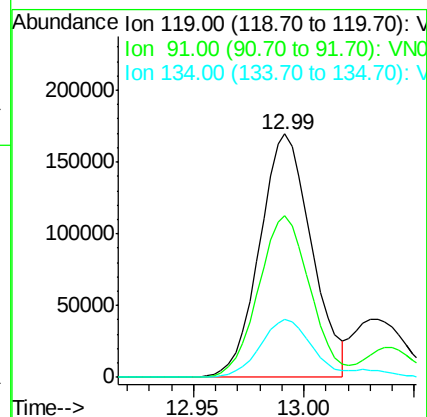
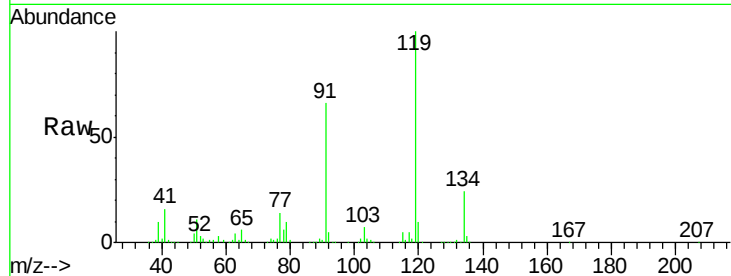
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	276794
Ion Ratio	Lower	Upper	
119	100		
91	66.3	0.0	132.6
134	23.8	0.0	47.6

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 21.975 ug/l

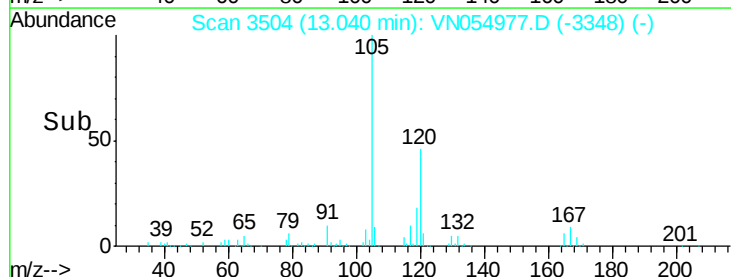
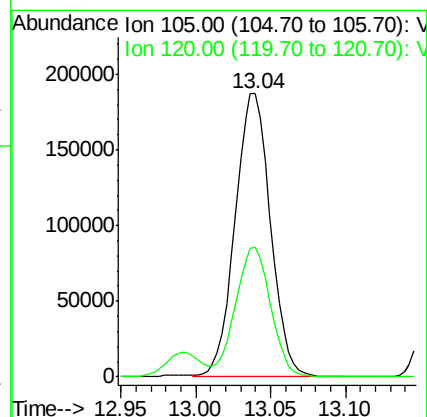
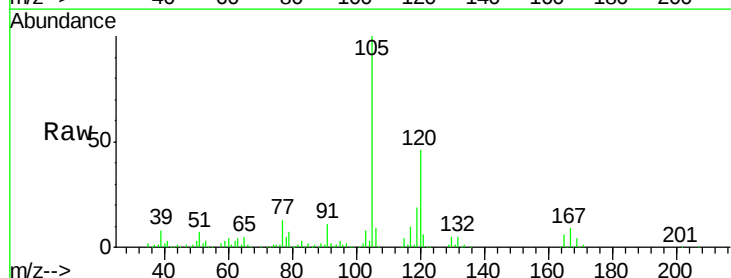
RT: 13.04 min Scan# 3504

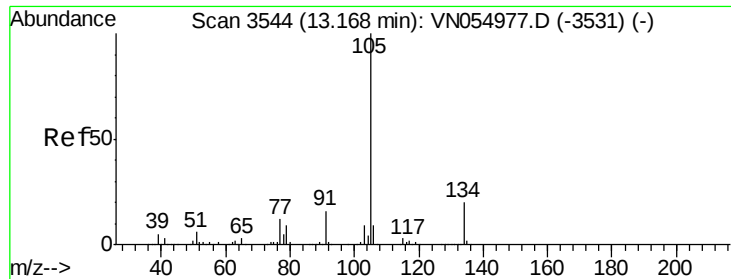
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	105	Resp:	307600
Ion Ratio	Lower	Upper	
105	100		
120	45.7	0.0	91.4





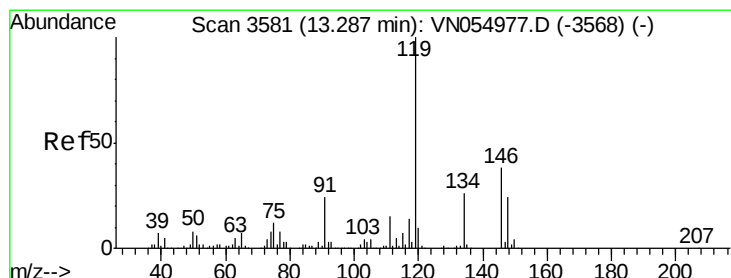
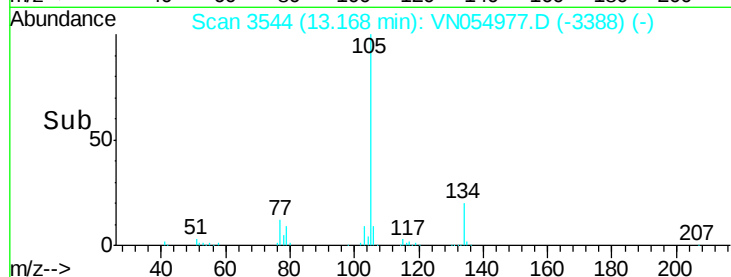
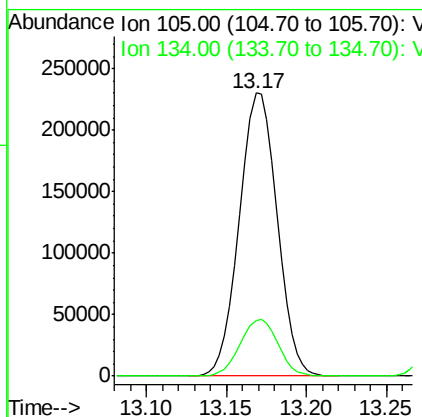
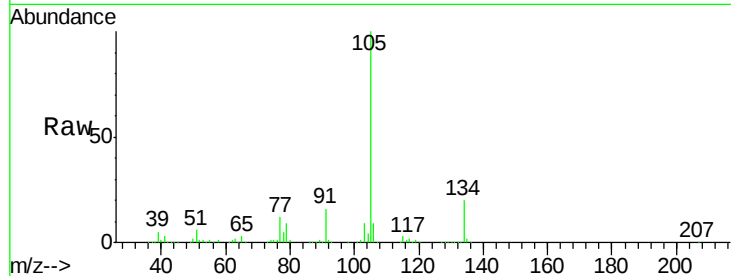
#81
 sec-Butylbenzene
 Concen: 21.907 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	371988		
134	20.0	0.0	0.0	40.0

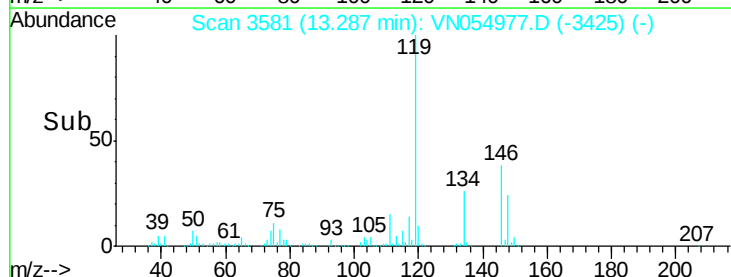
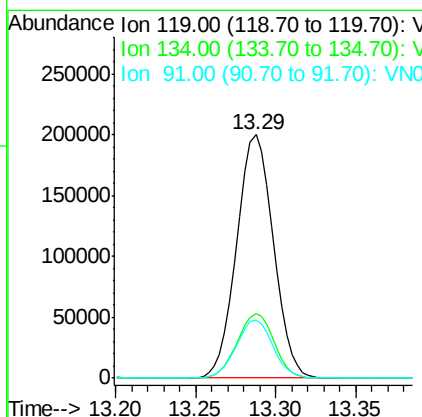
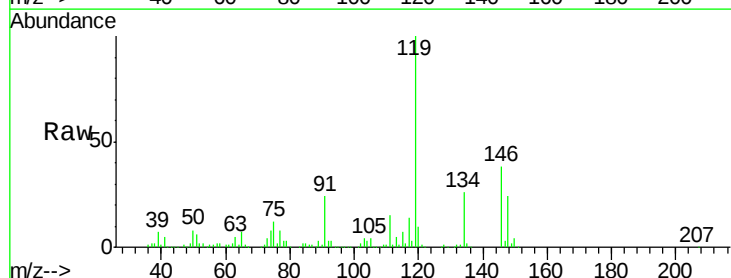
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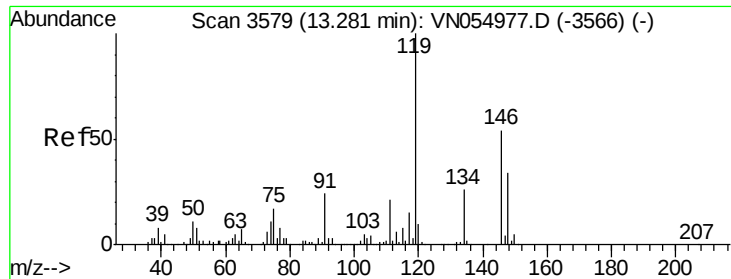
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#82
 p-Isopropyltoluene
 Concen: 21.634 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	312567		
134	26.6	0.0	0.0	53.2
91	23.9	0.0	0.0	47.8





#83

1,3-Dichlorobenzene

Concen: 20.500 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

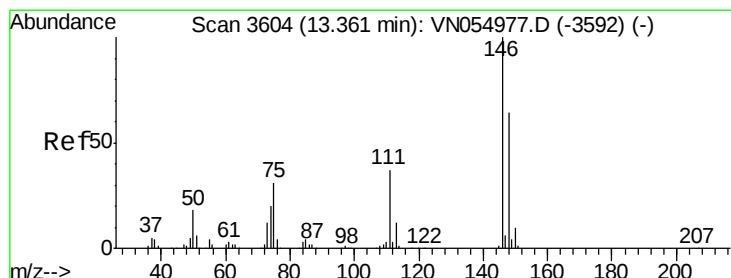
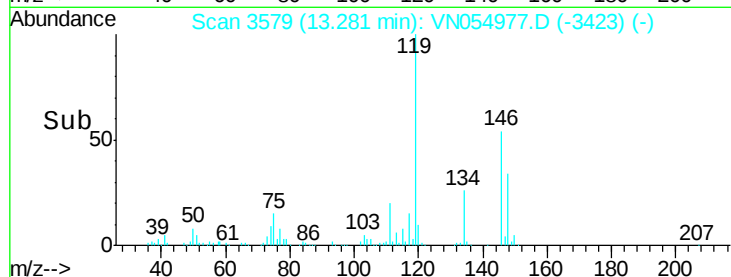
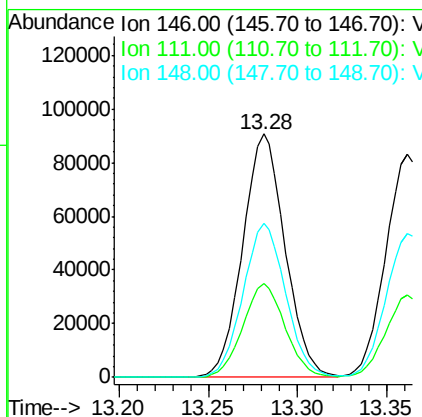
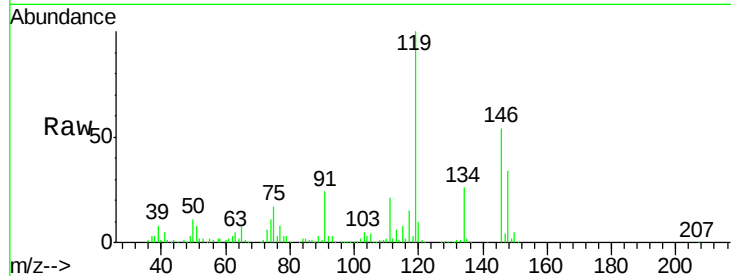
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	150821
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.5
148	63.7	31.9	95.5

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#84

1,4-Dichlorobenzene

Concen: 20.086 ug/l

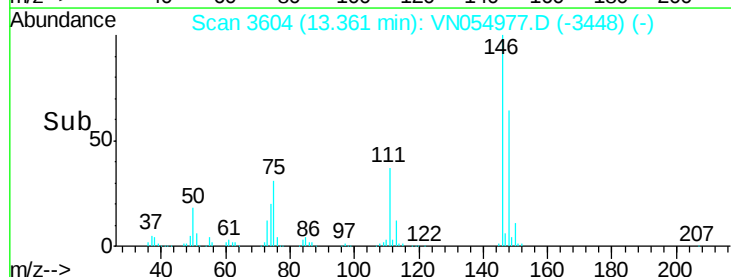
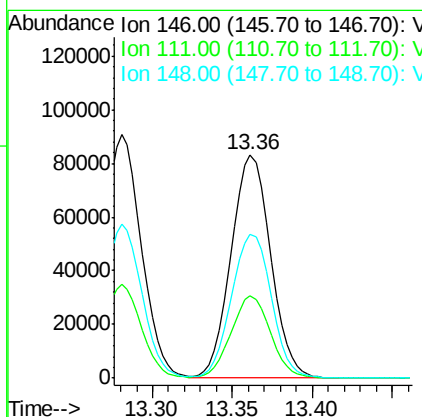
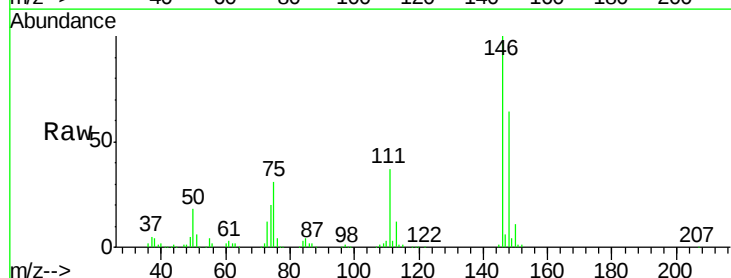
RT: 13.36 min Scan# 3604

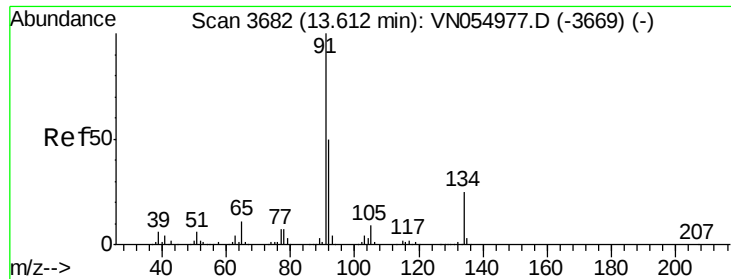
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	146	Resp:	140758
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.4	55.2
148	64.9	32.5	97.4





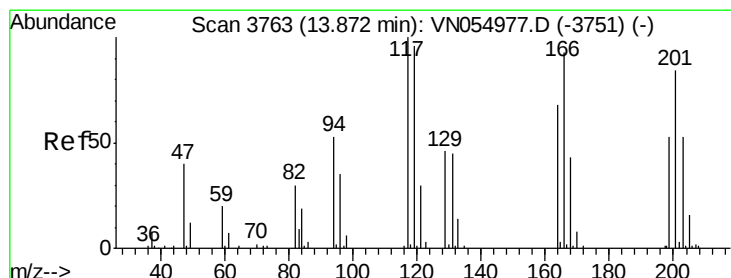
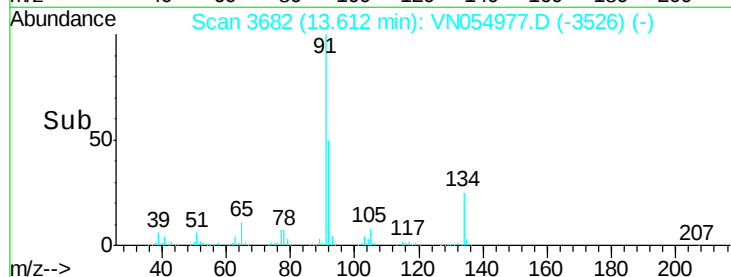
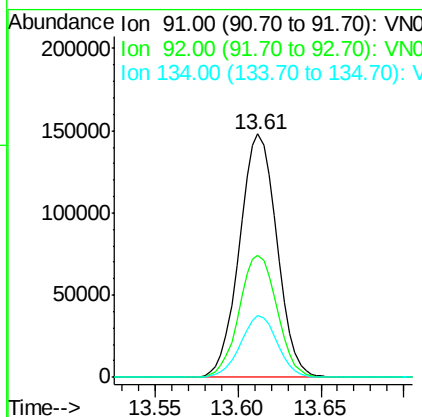
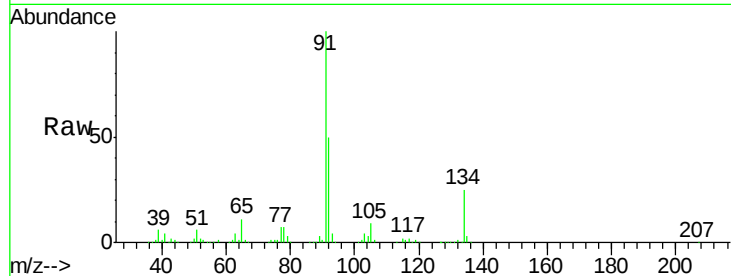
#85
n-Butylbenzene
Concen: 18.842 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	233021		
92	50.7	0.0	101.4	
134	24.9	0.0	49.8	

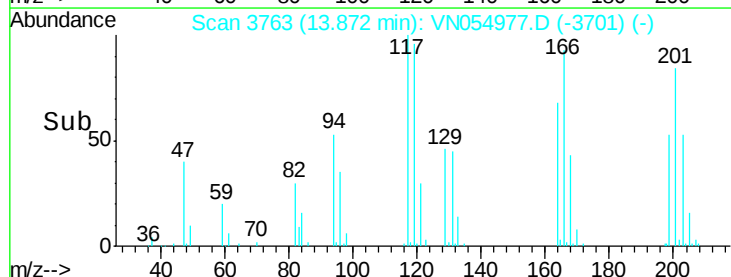
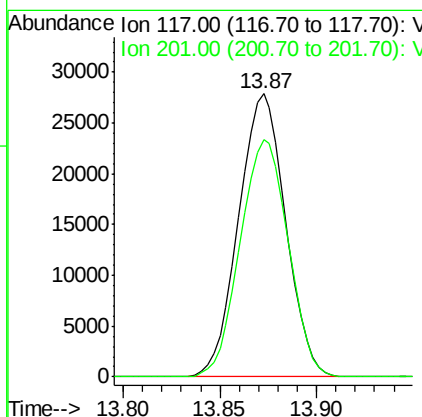
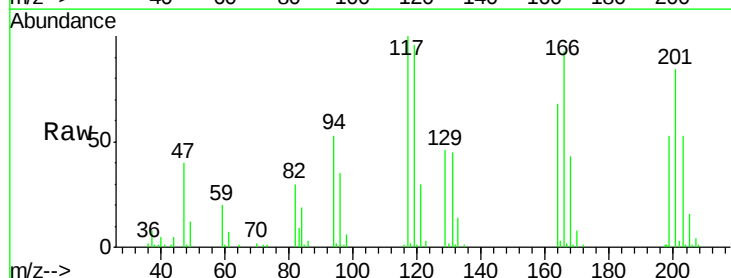
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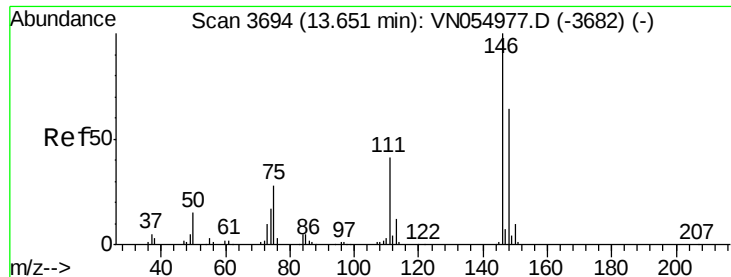
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4/12/2019 1:41:07 PM



#86
Hexachloroethane
Concen: 17.546 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47175		
201	85.5	42.8	128.3	





#87

1,2-Dichlorobenzene

Concen: 20.924 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Instrument :

MSVOA_N

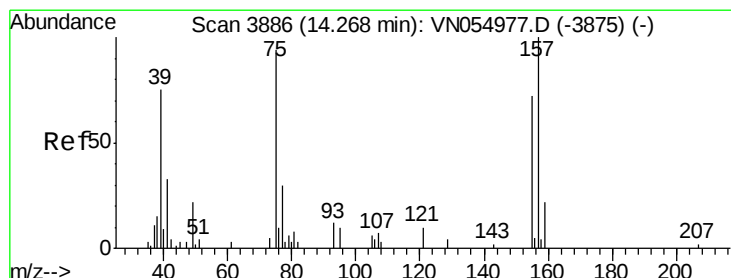
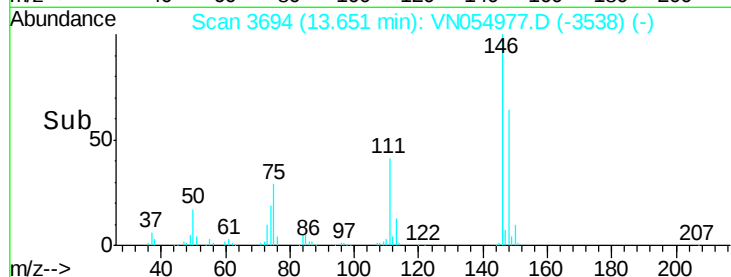
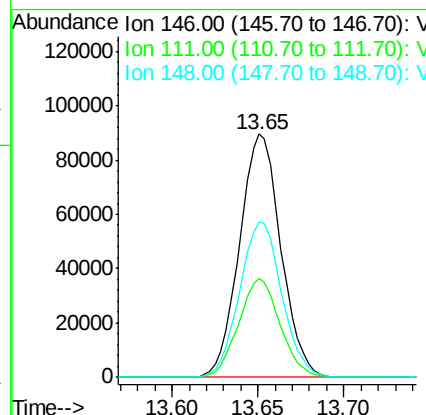
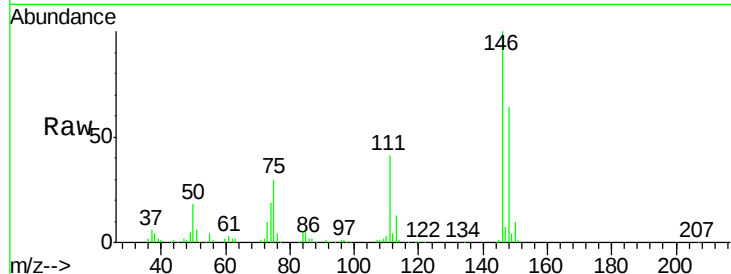
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	149406
Ion Ratio		Lower	Upper
146	100		
111	40.5	20.3	60.8
148	65.0	32.5	97.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.335 ug/l

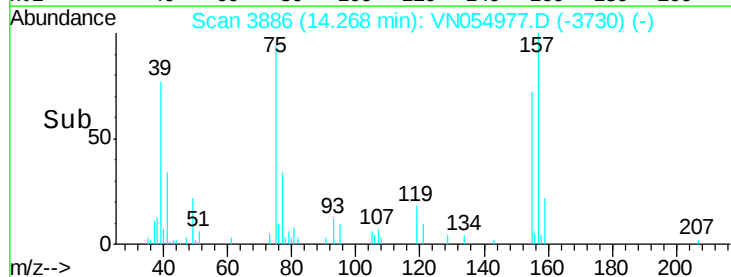
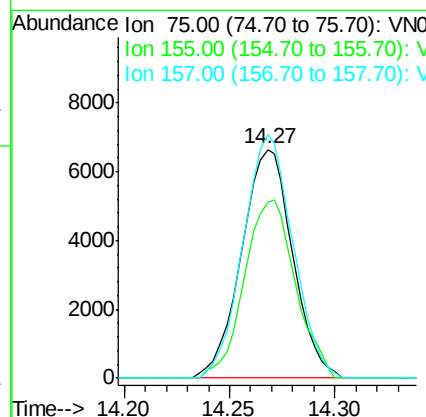
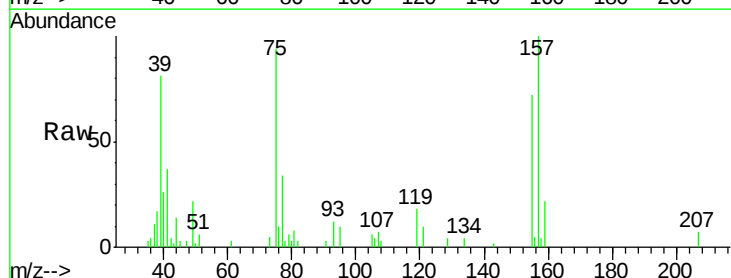
RT: 14.27 min Scan# 3886

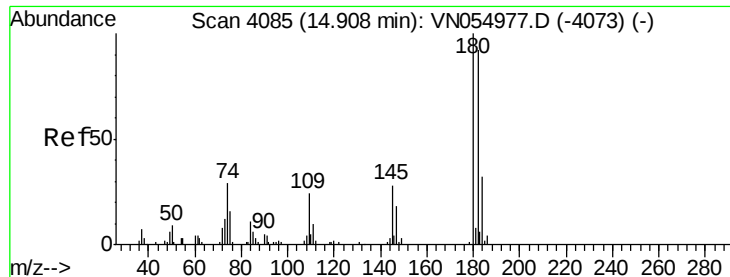
Delta R.T. 0.00 min

Lab File: VN054977.D

Acq: 11 Apr 2019 14:54

Tgt Ion:	75	Resp:	11236
Ion Ratio		Lower	Upper
75	100		
155	77.3	61.8	92.8
157	103.4	82.7	124.1





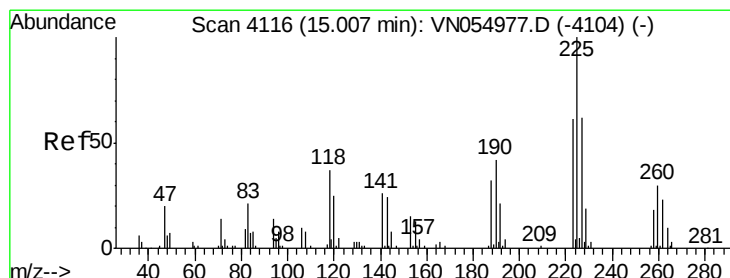
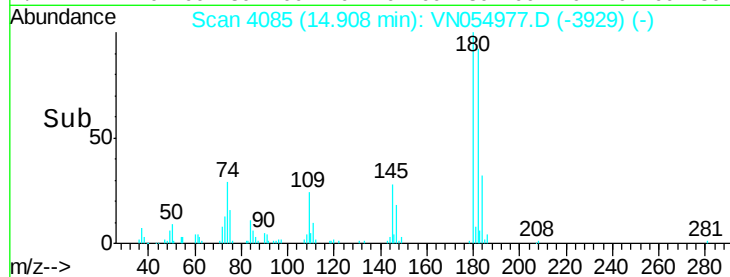
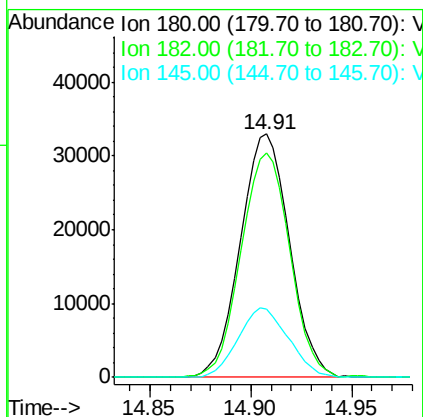
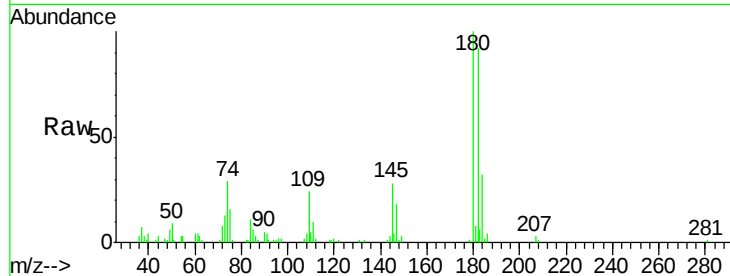
#89
 1,2,4-Trichlorobenzene
 Concen: 16.107 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	73.2	109.8
145	29.0	23.2	34.8

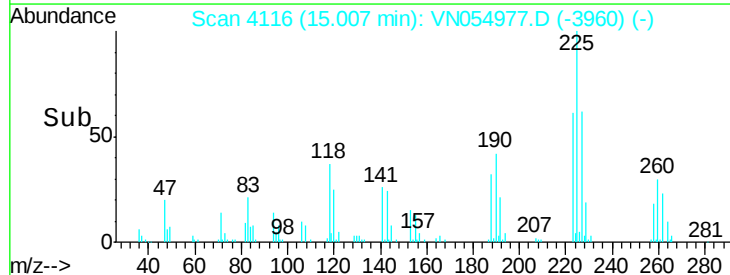
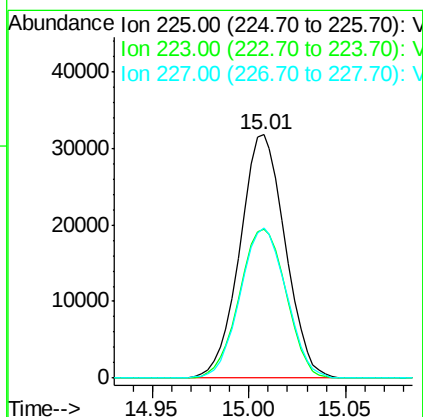
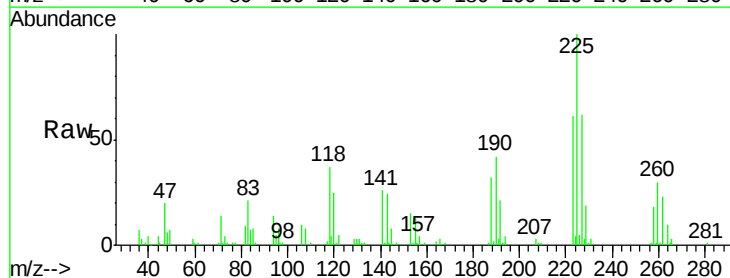
Manual Integrations
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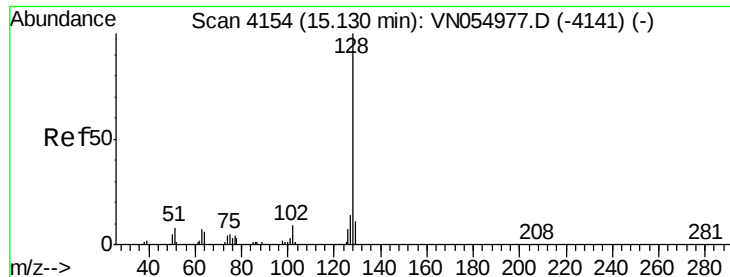
MMDadoda
 4/12/2019 1:41:07 PM



#90
 Hexachlorobutadiene
 Concen: 19.634 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054977.D
 Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	126.0
227	62.7	0.0	125.4





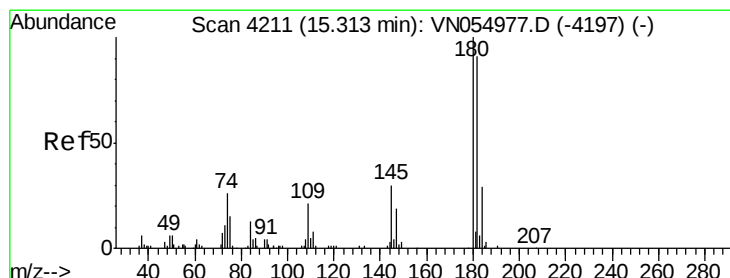
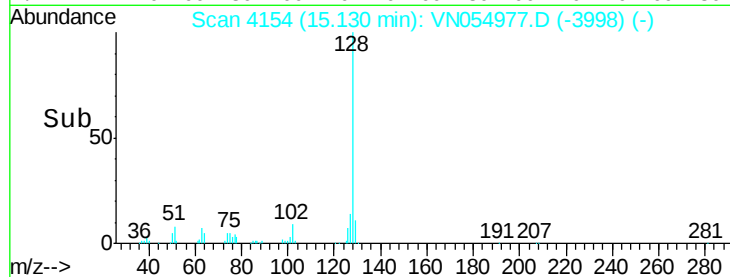
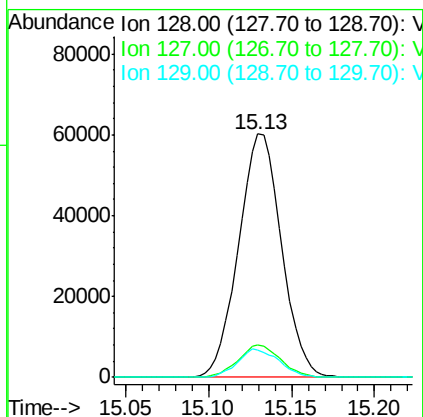
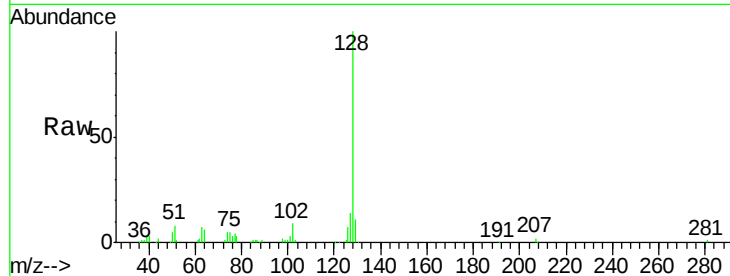
#91
Naphthalene
Concen: 15.610 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108228		
127	13.2		10.6	15.8
129	11.3		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:07 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.966 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054977.D
Acq: 11 Apr 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59100		
182	94.1		0.0	188.2
145	30.6		0.0	61.2

