

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054981.D
 Acq On : 11 Apr 2019 16:39
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:30 PM

Quant Time: Apr 12 08:17:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	80259	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	430719	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	377036	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	179301	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.40	95	172034	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	10.09	98	551834	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	91606	19.407 ug/l	96
3) Chloromethane	2.06	50	128914	20.217 ug/l	98
4) Vinyl Chloride	2.19	62	107449	19.486 ug/l	99
5) Bromomethane	2.56	94	70299	22.040 ug/l	90
6) Chloroethane	2.71	64	59952	19.413 ug/l	98
7) Trichlorofluoromethane	3.02	101	138113	19.601 ug/l	96
8) Diethyl Ether	3.41	74	45319	20.031 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74783	19.415 ug/l	99
10) 1,1-Dichloroethene	3.73	96	67822	19.045 ug/l	96
11) Methyl Iodide	3.94	142	91698	17.015 ug/l	99
12) Methyl Acetate	4.34	43	92501	21.118 ug/l	97
13) Acrolein	3.61	56	38738	100.908 ug/l	97
14) Acrylonitrile	4.99	53	179087	99.793 ug/l	99
15) Acetone	3.82	58	41081	92.509 ug/l	98
16) Carbon Disulfide	4.04	76	236604	19.808 ug/l	99
17) Allyl chloride	4.32	41	174519	19.900 ug/l	99
18) Methylene Chloride	4.54	84	99917	18.981 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	92690	19.994 ug/l	98
20) Diisopropyl ether	5.96	45	349666	19.681 ug/l	98
21) 1,1-Dichloroethane	5.84	63	185743	19.574 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	104631	19.418 ug/l	100
23) tert-Butyl Alcohol	4.82	59	30908	108.014 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	241209	20.172 ug/l	# 67
25) Chloroform	7.37	83	178992	19.692 ug/l	96
26) Cyclohexane	7.65	56	169577	19.260 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	135286	20.168 ug/l	98
30) 2-Butanone	6.85	43	223079	100.186 ug/l	99
31) 2,2-Dichloropropane	6.82	77	125945	20.400 ug/l	# 100
32) 1,1,1-Trichloroethane	7.57	97	143066	20.178 ug/l	98
33) Carbon Tetrachloride	7.77	117	120126	19.569 ug/l	96
34) Benzene	8.04	78	397213	19.982 ug/l	99
35) Methacrylonitrile	7.18	41	61681	23.503 ug/l	95
36) 1,2-Dichloroethane	8.12	62	133871	19.705 ug/l	99
37) Trichloroethene	8.83	130	100941	19.919 ug/l	93
38) Methylcyclohexane	9.08	83	152889	19.654 ug/l	100
39) 1,2-Dichloropropane	9.12	63	108812	19.824 ug/l	100
40) Dibromomethane	9.21	93	62467	20.134 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	123997	19.365	ug/l	99
42) Vinyl Acetate	5.90	43	1142590	101.501	ug/l	100
43) Ethyl Acetate	6.94	43	86945	19.167	ug/l #	86
44) Isopropyl Acetate	8.17	43	155157	20.183	ug/l	96
45) 1,4-Dioxane	9.20	88	17954	421.564	ug/l	95
46) Methyl methacrylate	9.20	41	79467	19.983	ug/l	94
47) n-amyl Acetate	12.07	43	120469	21.276	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	113304	19.270	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	142139	19.582	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	83107	19.722	ug/l	98
51) Ethyl methacrylate	10.43	69	100423	19.992	ug/l	97
52) 1,3-Dichloropropane	10.71	76	149415	20.235	ug/l	99
53) Dibromochloromethane	10.90	129	83507	19.239	ug/l	96
54) 1,2-Dibromoethane	11.00	107	79856	20.186	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	189739	90.352	ug/l	100
56) Bromoform	12.13	173	51642	18.934	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	447826	102.995	ug/l	100
59) 2-Hexanone	10.75	43	290636	105.219	ug/l	99
61) Tetrachloroethene	10.63	164	96183	19.602	ug/l	95
62) Toluene	10.16	91	414397	19.947	ug/l	97
64) Chlorobenzene	11.43	112	252270	20.114	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	87404	19.595	ug/l	97
66) Ethyl Benzene	11.51	91	443166	19.900	ug/l	98
67) m/p-Xylenes	11.62	106	325043	39.267	ug/l	100
68) o-Xylene	11.95	106	162575	19.874	ug/l	99
69) Styrene	11.96	104	245287	19.310	ug/l	99
70) Isopropylbenzene	12.25	105	434261	19.855	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102781	20.546	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	91052m	22.040	ug/l	
73) Bromobenzene	12.53	156	103037	19.931	ug/l	97
74) n-propylbenzene	12.59	91	480836	19.638	ug/l	100
75) 2-Chlorotoluene	12.67	91	291475	19.738	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	346259	19.582	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19700	18.918	ug/l	95
78) 4-Chlorotoluene	12.77	91	275479	19.578	ug/l	100
79) tert-butylbenzene	12.99	119	303400	19.830	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	345559	19.893	ug/l	99
81) sec-Butylbenzene	13.17	105	412833	20.194	ug/l	100
82) p-Isopropyltoluene	13.29	119	341802	19.811	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	172048	19.893	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	161077	19.600	ug/l	99
85) n-Butylbenzene	13.62	91	267285	19.448	ug/l	100
86) Hexachloroethane	13.87	117	50983	18.459	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	169393	20.000	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13642	20.519	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	78529	20.739	ug/l	97
90) Hexachlorobutadiene	15.01	225	62951	22.802	ug/l	99
91) Naphthalene	15.13	128	179234	22.605	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	81416	21.499	ug/l	99

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

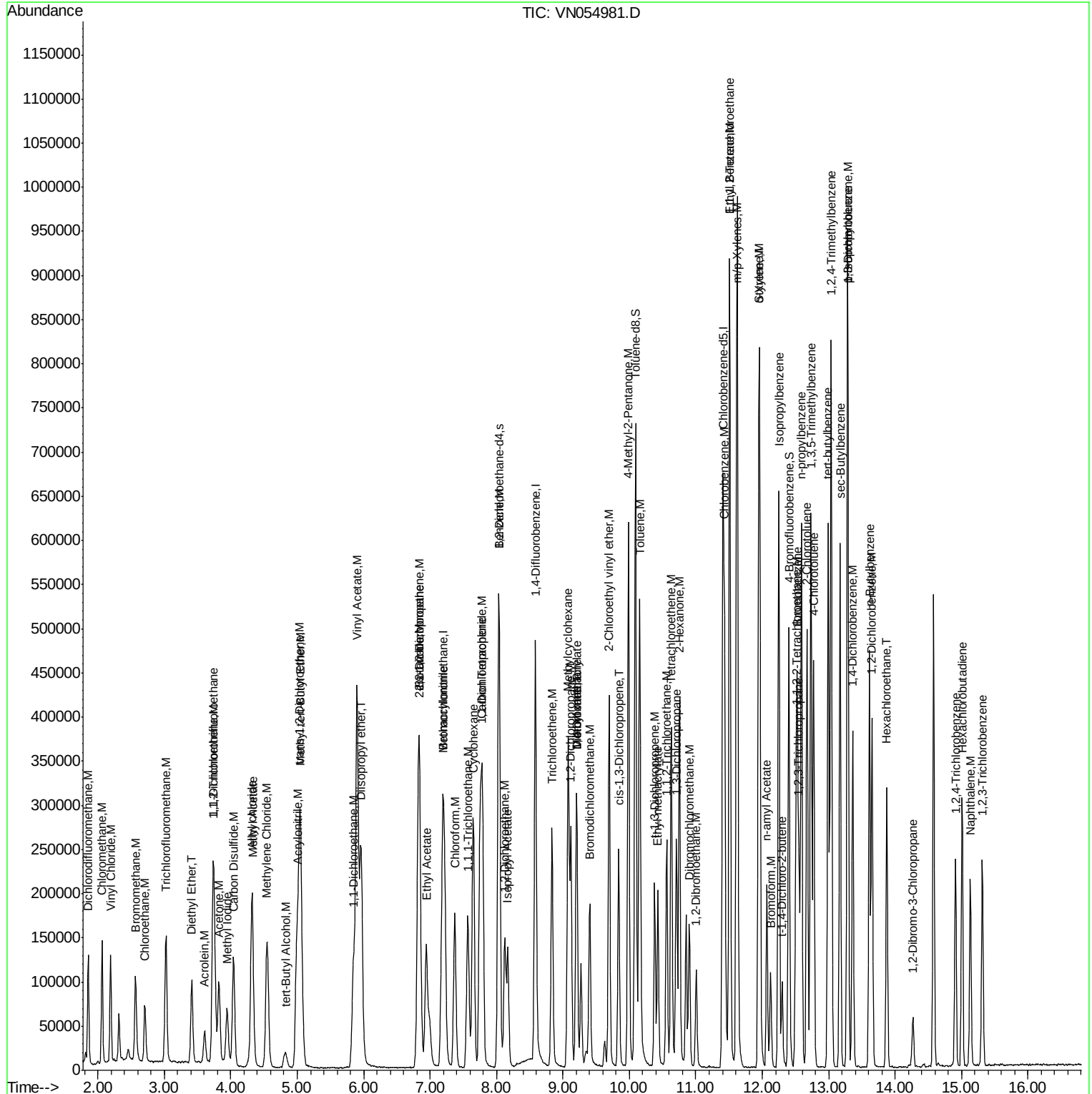
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
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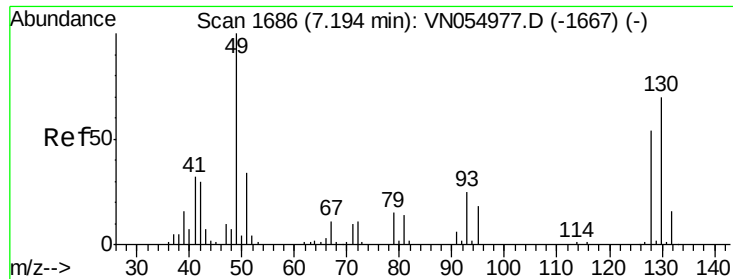
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

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: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

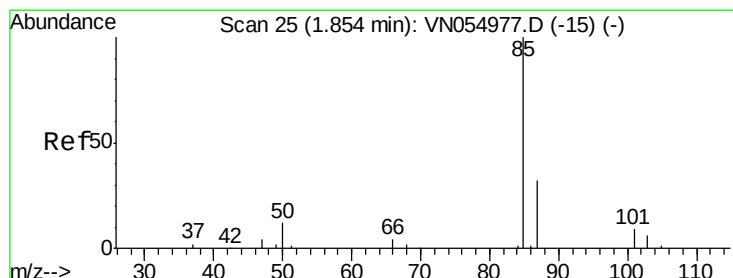
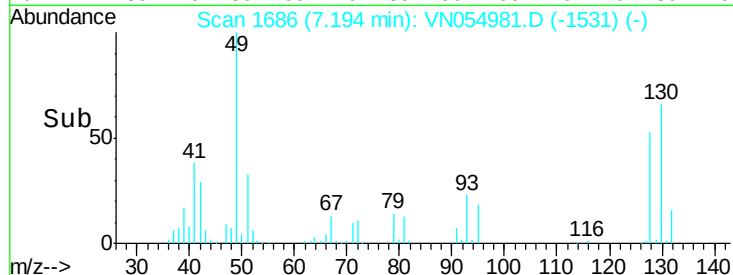
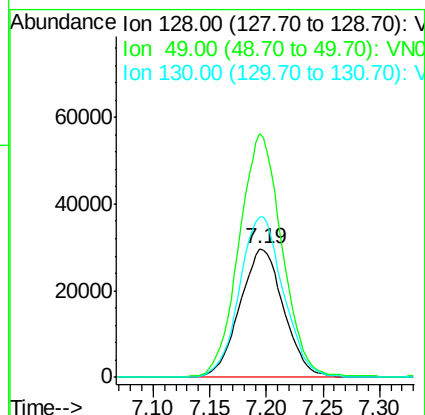
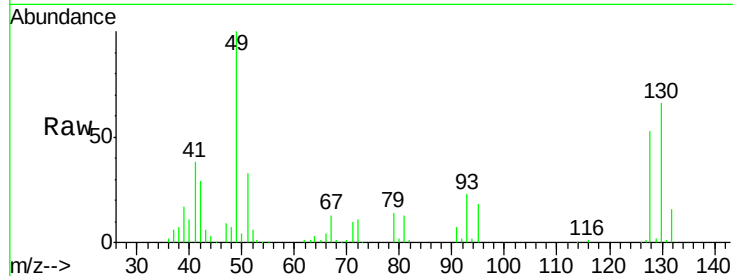
ClientSampleId :

ICVVN041119

Tot Ion:	128	Resp:	80259
Ion	Ratio	Lower	Upper
128	100		
49	185.7	0.0	480.3
130	124.9	0.0	322.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.407 ug/l

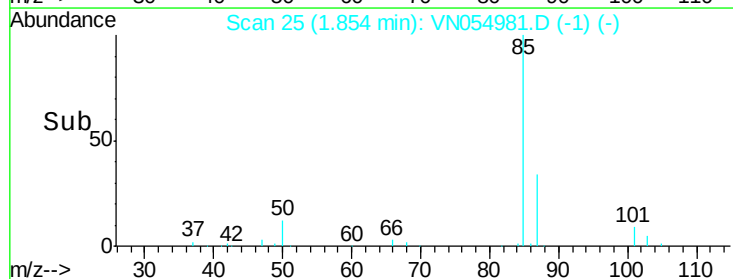
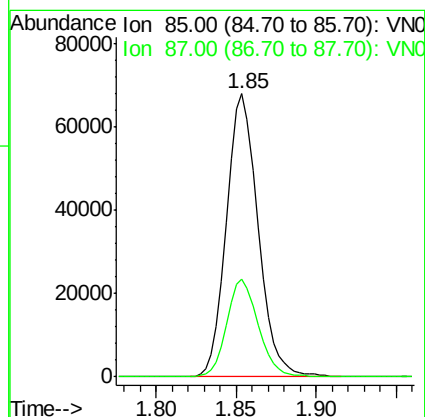
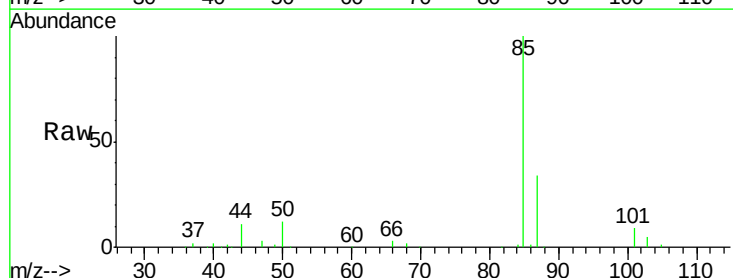
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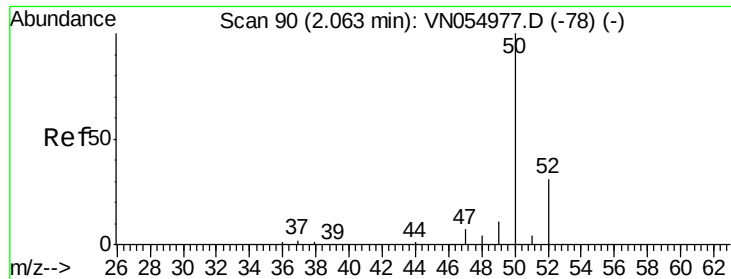
Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	85	Resp:	91606
Ion	Ratio	Lower	Upper
85	100		
87	34.5	16.1	48.3





#3

Chloromethane

Concen: 20.217 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 50 Resp: 128914

Ion Ratio Lower Upper

50 100

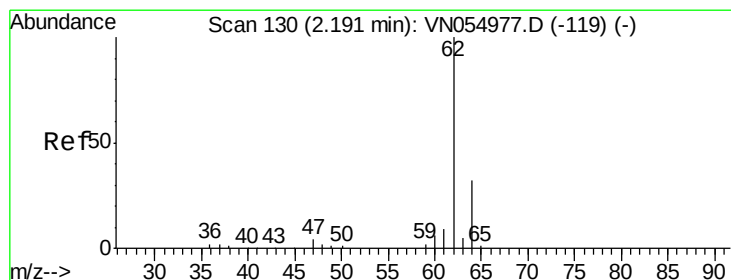
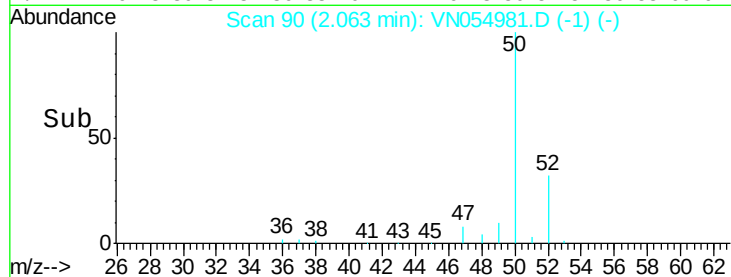
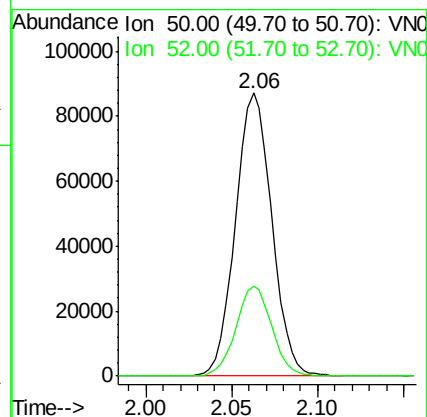
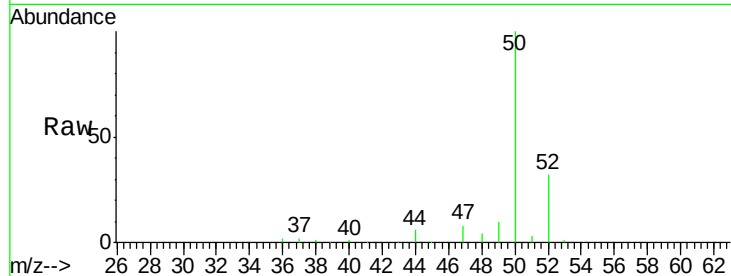
52 31.7 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.486 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054981.D

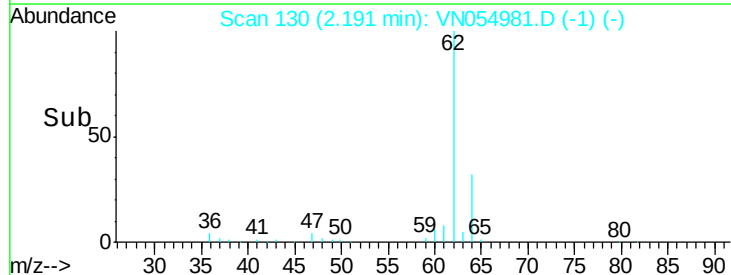
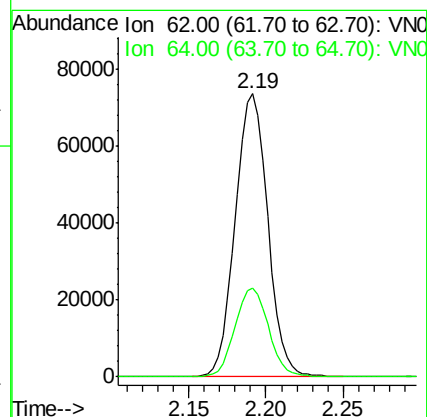
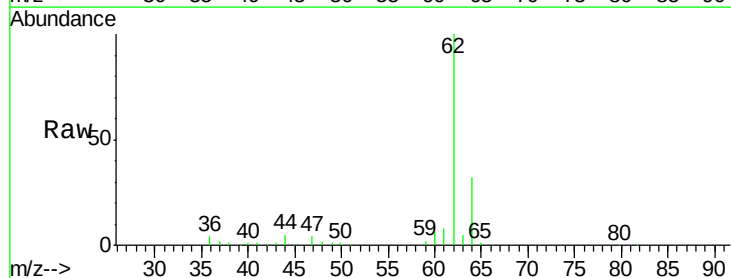
Acq: 11 Apr 2019 16:39

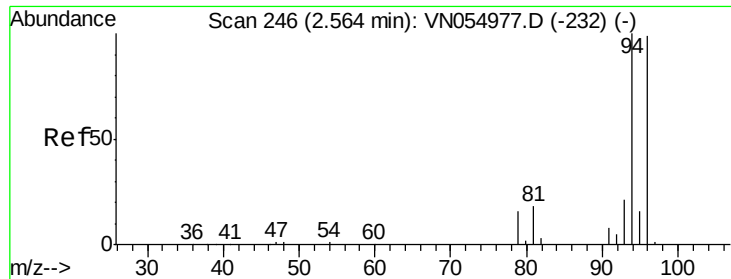
Tgt Ion: 62 Resp: 107449

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 22.040 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 94 Resp: 70299

Ion Ratio Lower Upper

94 100

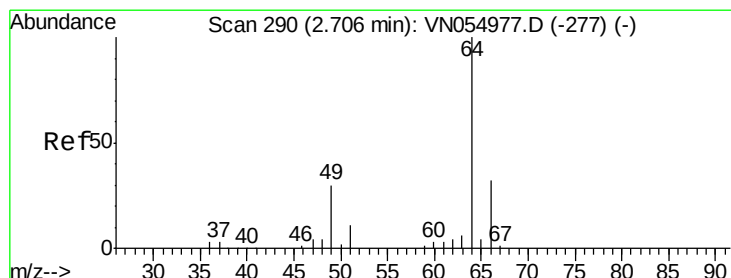
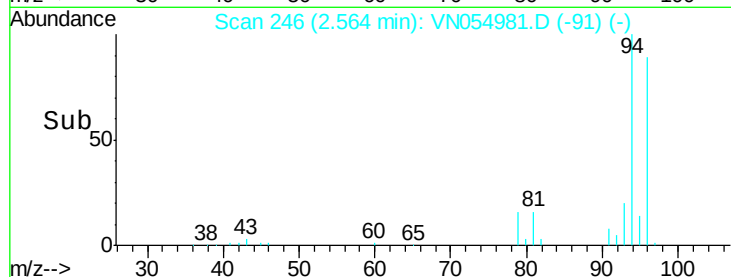
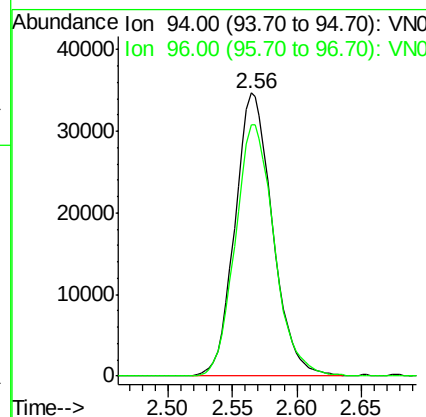
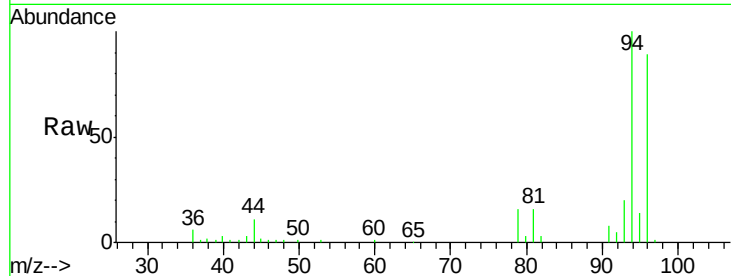
96 88.9 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 19.413 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054981.D

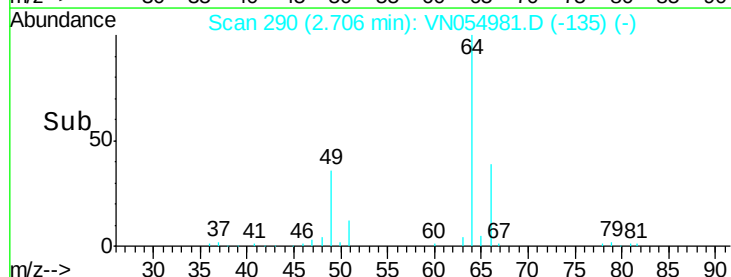
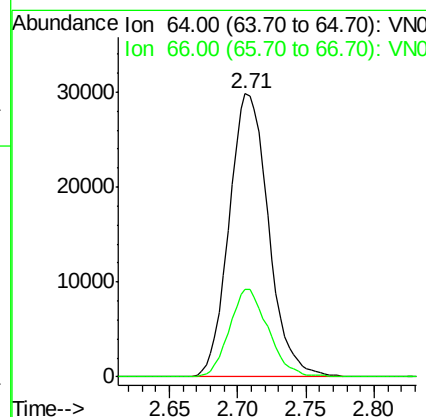
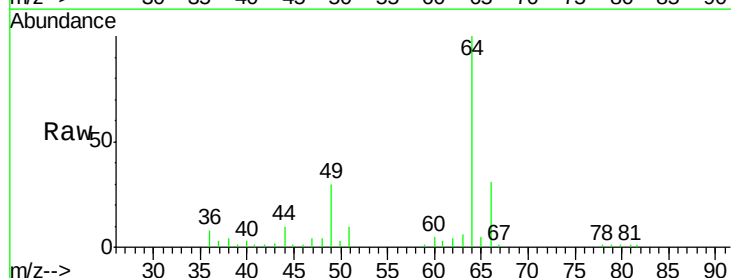
Acq: 11 Apr 2019 16:39

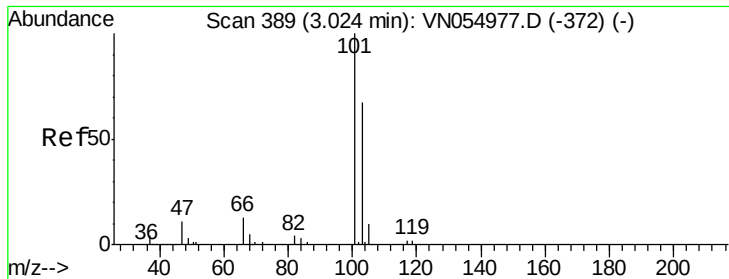
Tgt Ion: 64 Resp: 59952

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5





#7

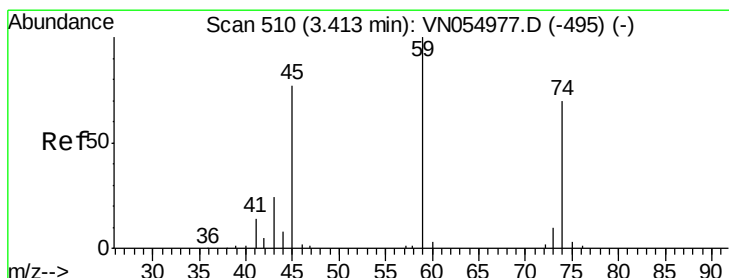
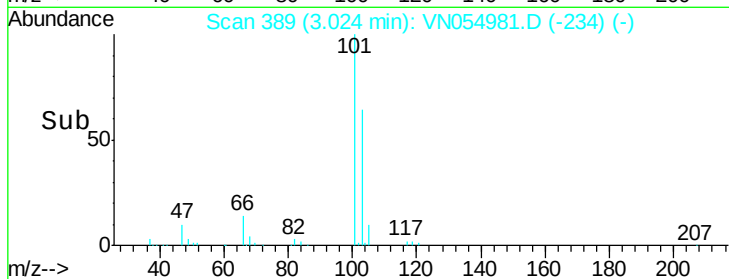
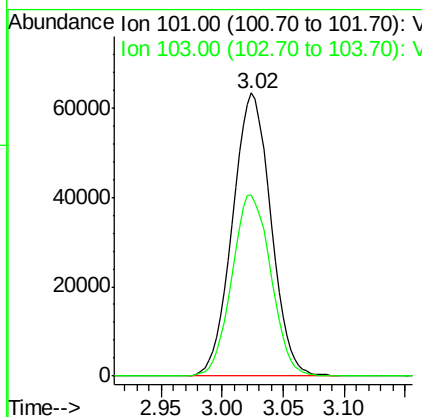
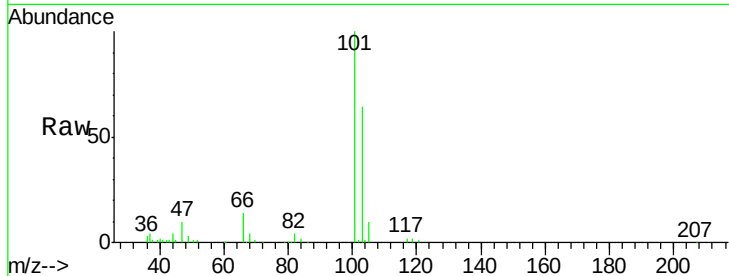
Trichlorofluoromethane
 Concen: 19.601 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.4	80.0

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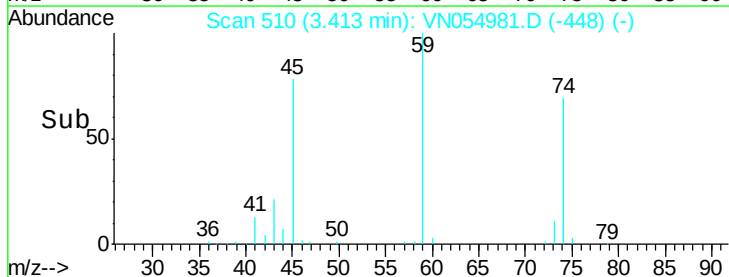
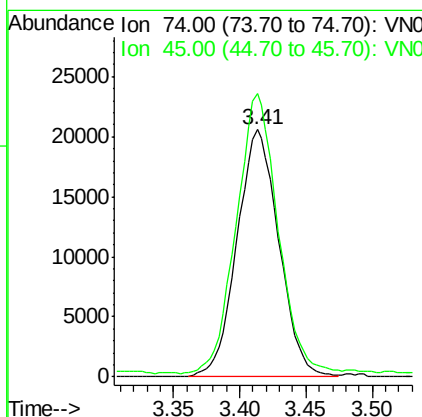
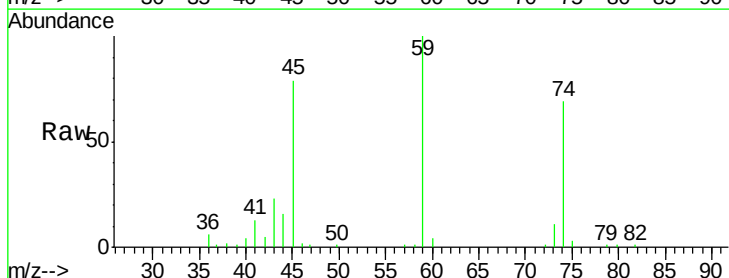
MMDadoda
 4/12/2019 1:41:30 PM

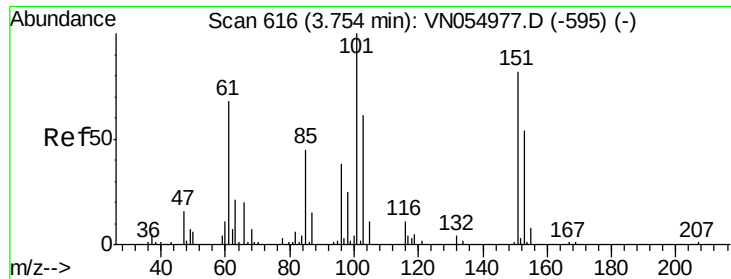


#8

Diethyl Ether
 Concen: 20.031 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.2	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.415 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

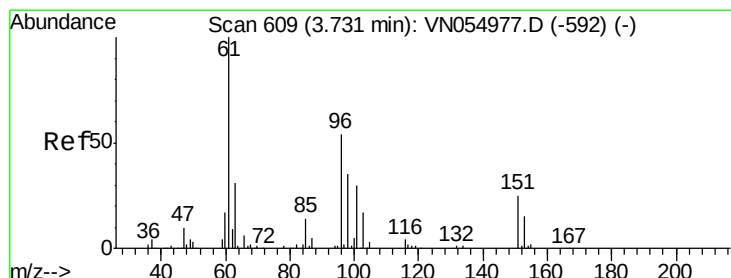
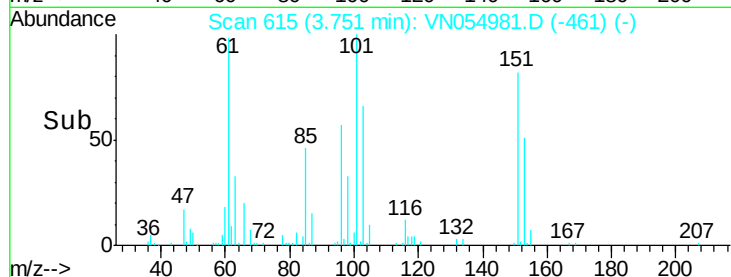
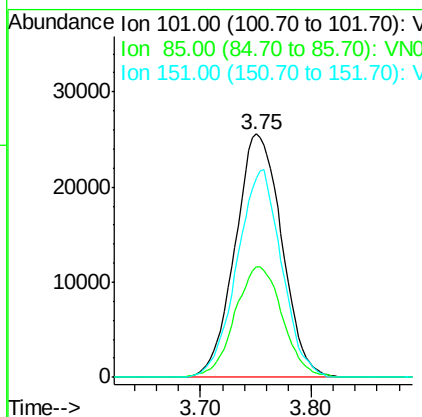
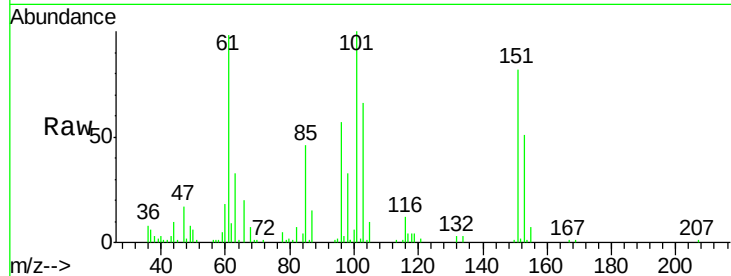
ClientSampleId :

ICVVN041119

Tot Ion:	101	Resp:	74783
Ion Ratio	Lower	Upper	
101	100		
85	46.3	0.0	91.4
151	81.7	0.0	165.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.045 ug/l

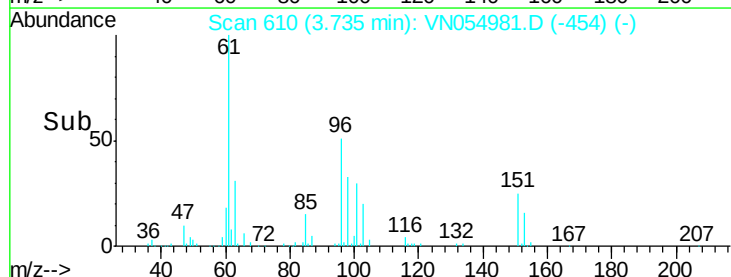
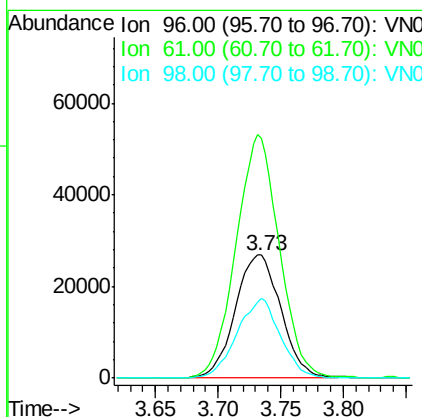
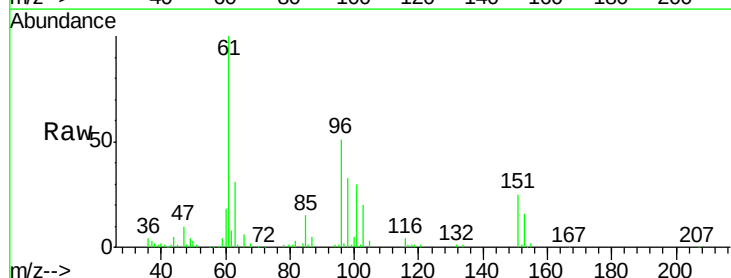
RT: 3.73 min Scan# 610

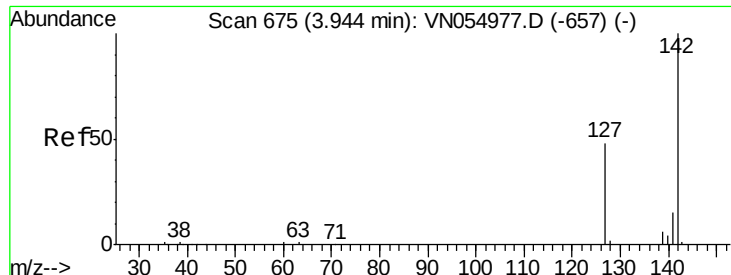
Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	96	Resp:	67822
Ion Ratio	Lower	Upper	
96	100		
61	193.9	148.4	222.6
98	64.9	52.2	78.2





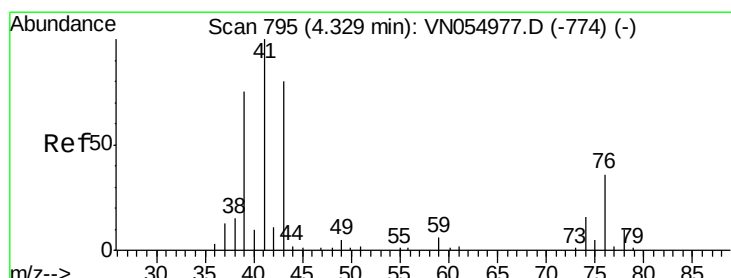
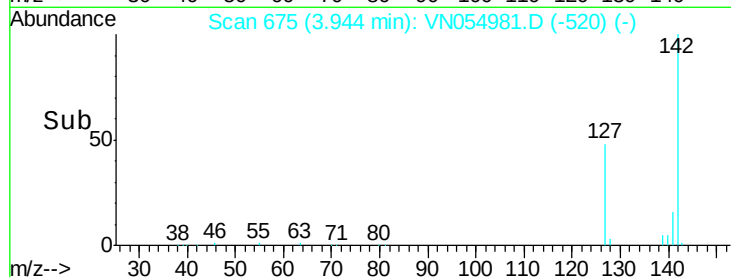
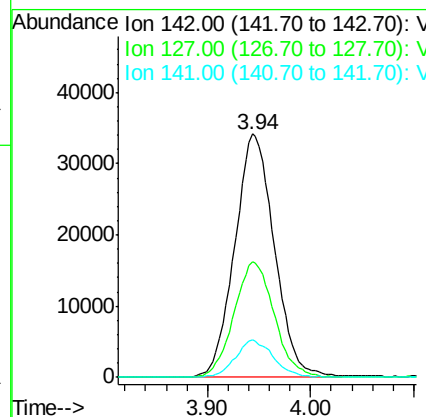
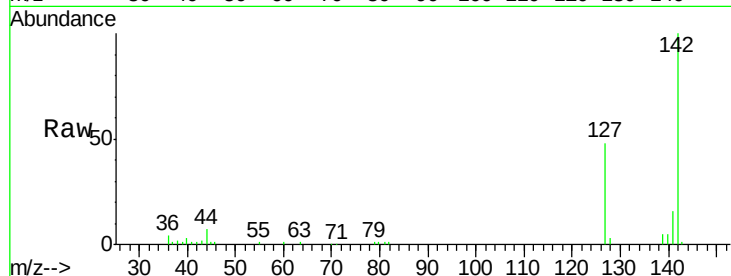
#11
Methvl Iodide
Concen: 17.015 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.7	23.8	71.5
141	15.6	7.3	22.0

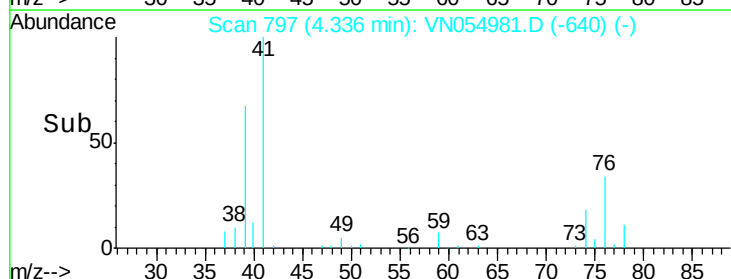
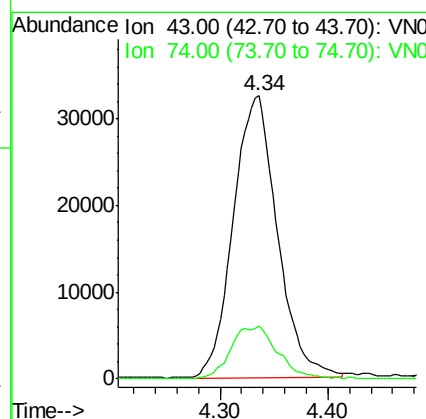
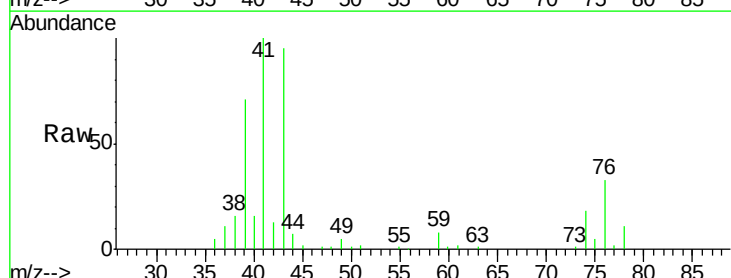
Manual Integrations
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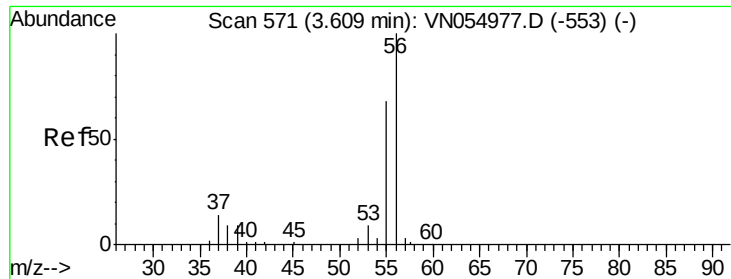
MMDadoda
4/12/2019 1:41:30 PM



#12
Methyl Acetate
Concen: 21.118 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	16.2	24.4





#13

Acrolein

Concen: 100.908 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 56 Resp: 38738

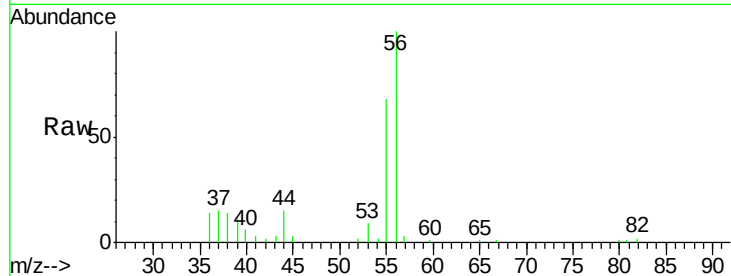
Ion Ratio Lower Upper

56 100

55 69.0 57.0 85.4

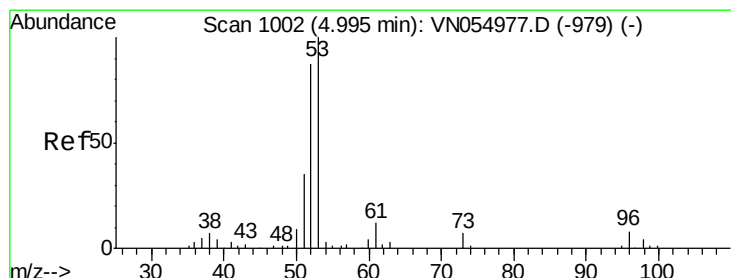
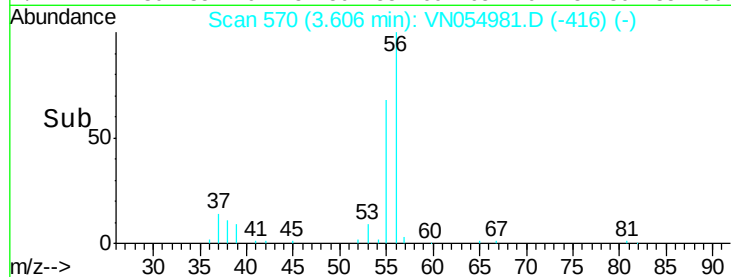
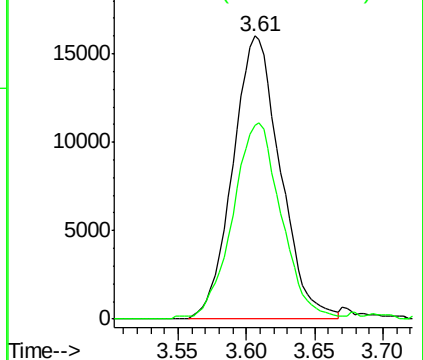
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.793 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

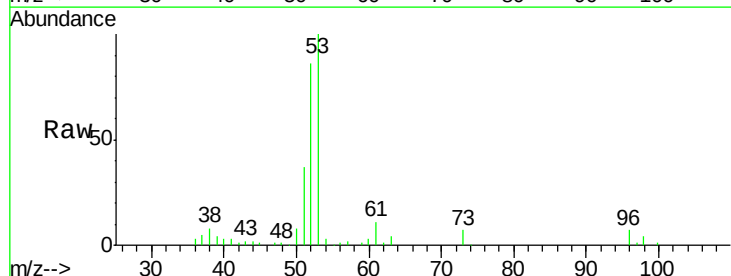
Tgt Ion: 53 Resp: 179087

Ion Ratio Lower Upper

53 100

52 84.2 42.3 126.8

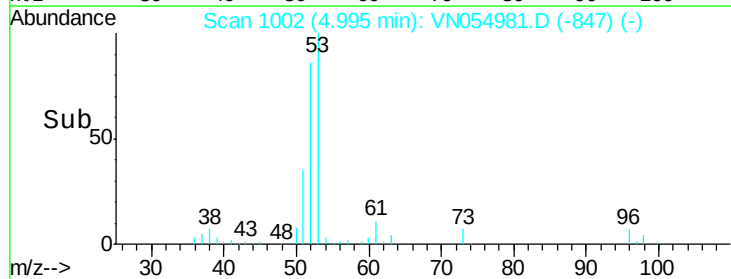
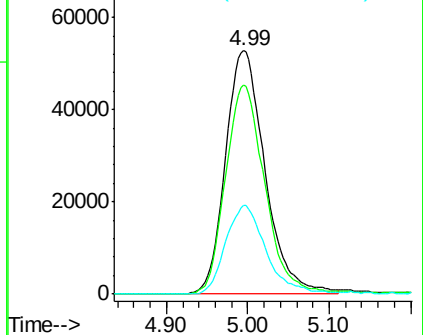
51 36.6 18.6 56.0

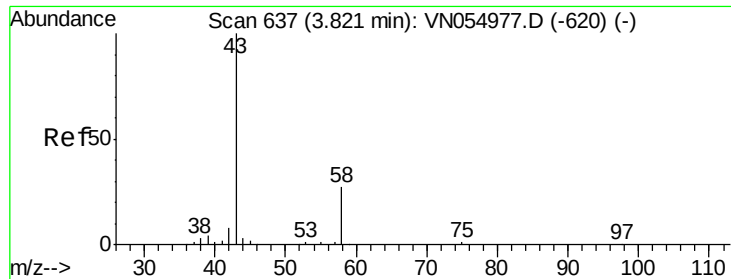


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.509 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 58 Resp: 41081

Ion Ratio Lower Upper

58 100

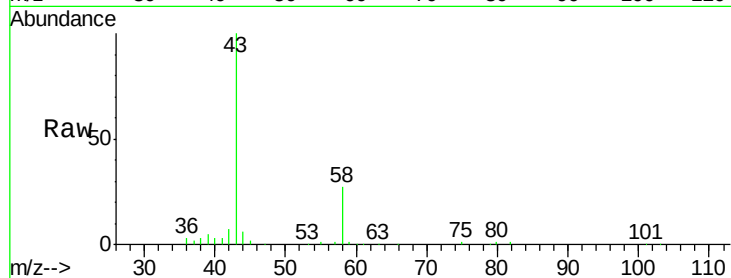
43 366.1 297.2 445.8

Manual Integrations

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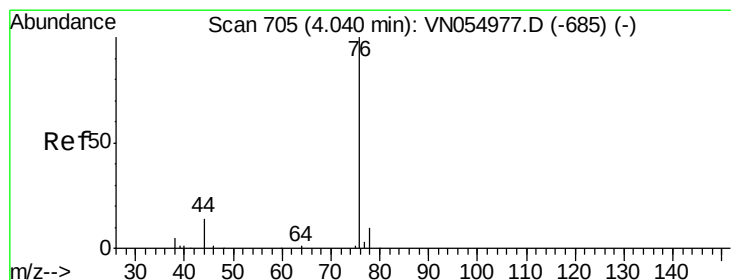
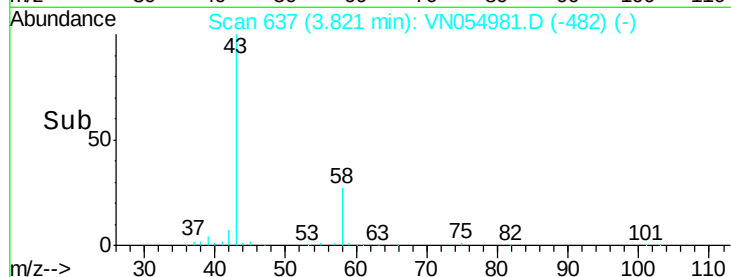
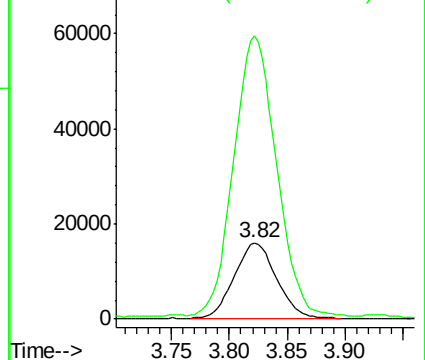
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.808 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054981.D

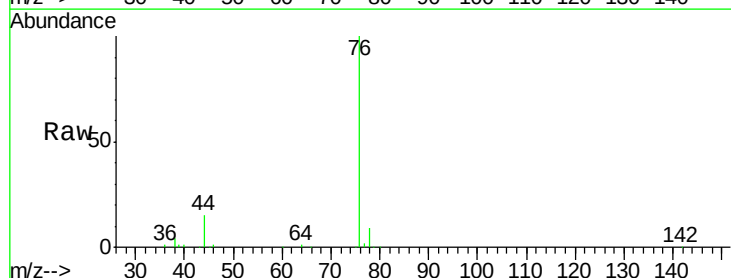
Acq: 11 Apr 2019 16:39

Tgt Ion: 76 Resp: 236604

Ion Ratio Lower Upper

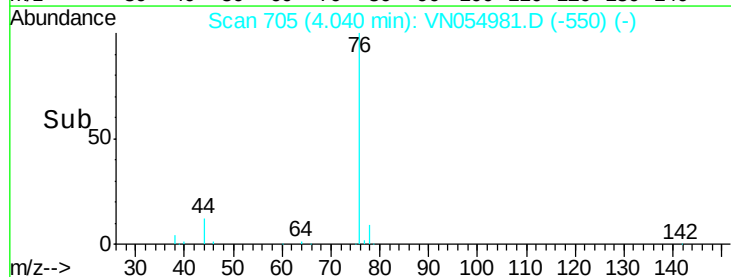
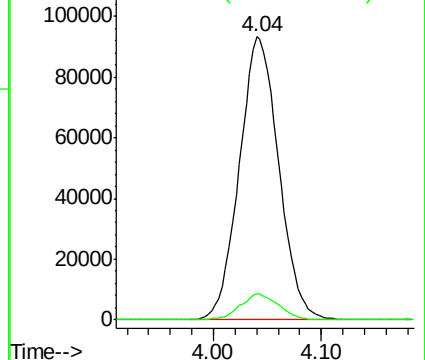
76 100

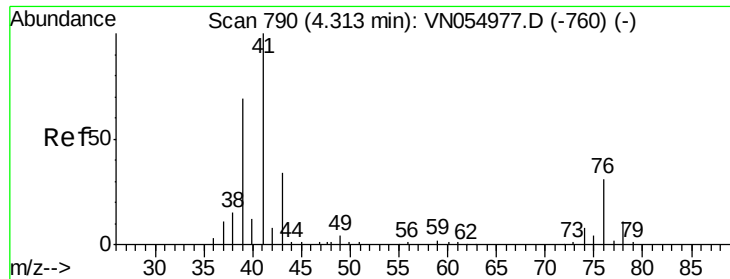
78 9.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.900 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

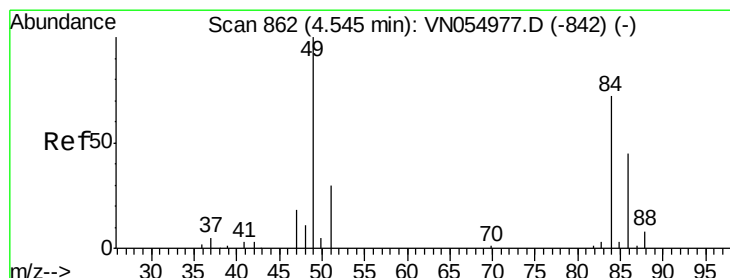
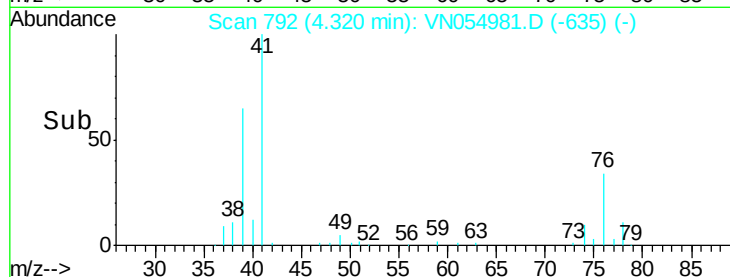
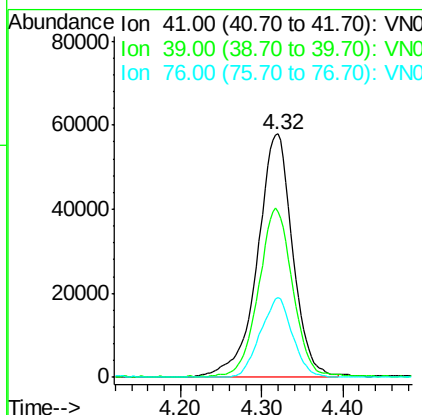
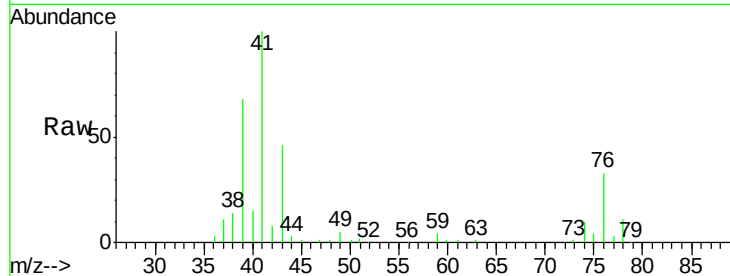
ClientSampleId :

ICVVN041119

Tot Ion:	41	Resp:	174519
Ion	Ratio	Lower	Upper
41	100		
39	67.7	34.3	102.9
76	32.7	15.8	47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 18.981 ug/l

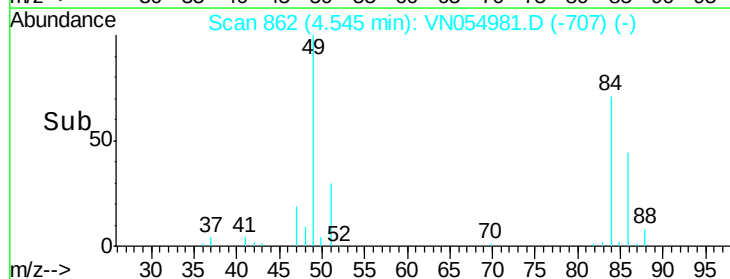
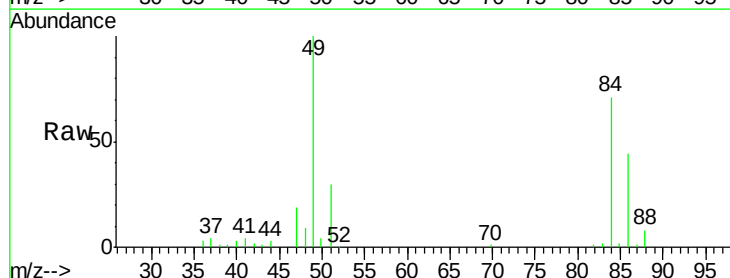
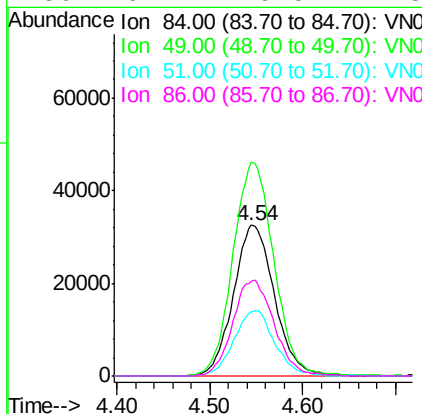
RT: 4.54 min Scan# 862

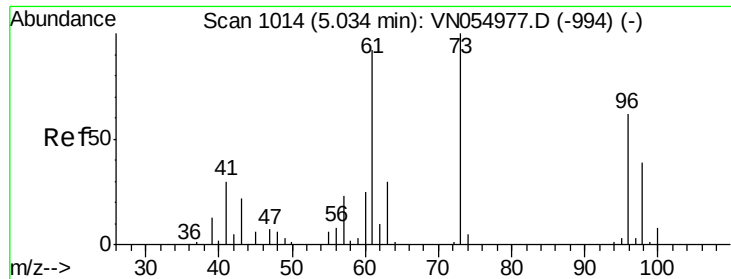
Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	84	Resp:	99917
Ion	Ratio	Lower	Upper
84	100		
49	141.0	111.0	166.4
51	42.7	33.4	50.2
86	62.7	49.5	74.3





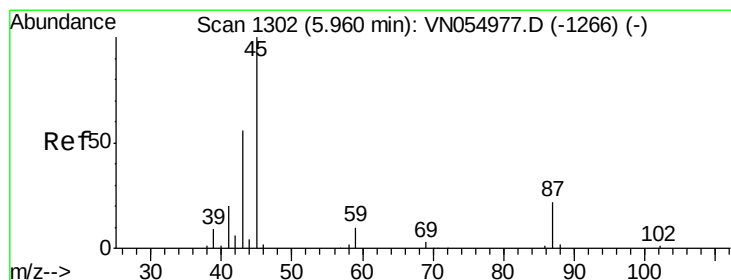
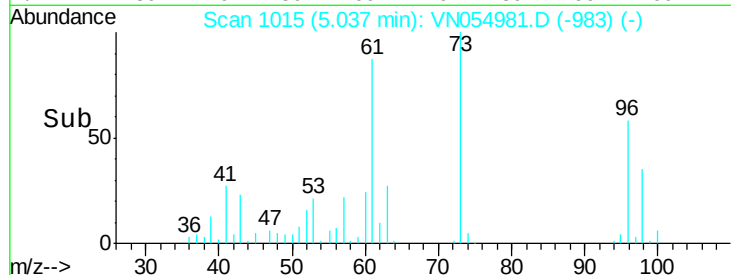
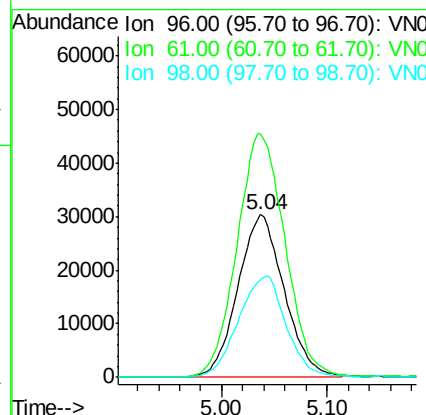
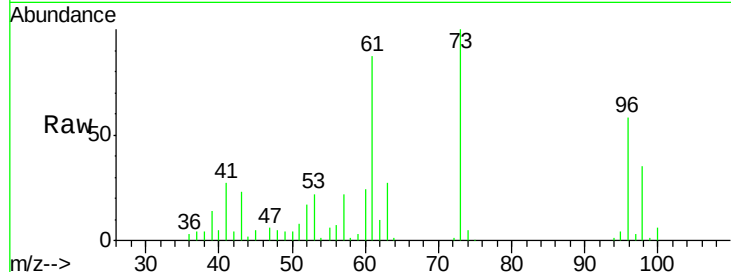
#19
trans-1,2-Dichloroethene
Concen: 19.994 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	117.2	175.8
98	59.9	49.4	74.2

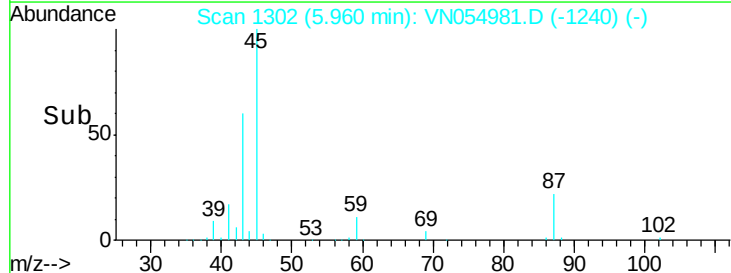
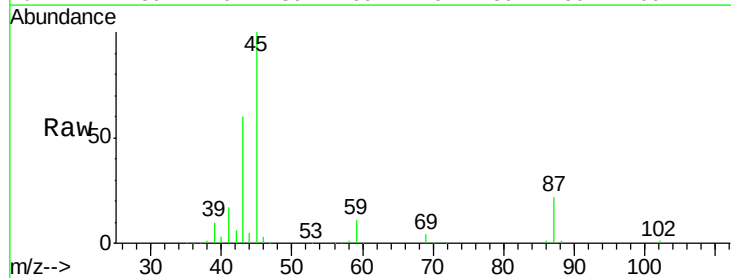
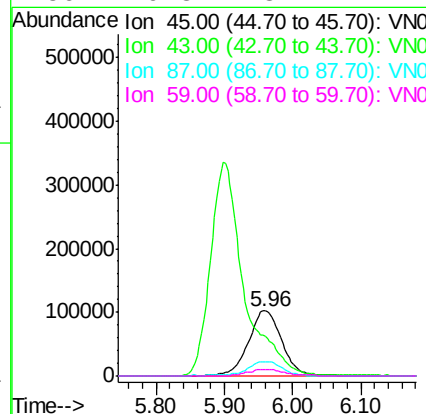
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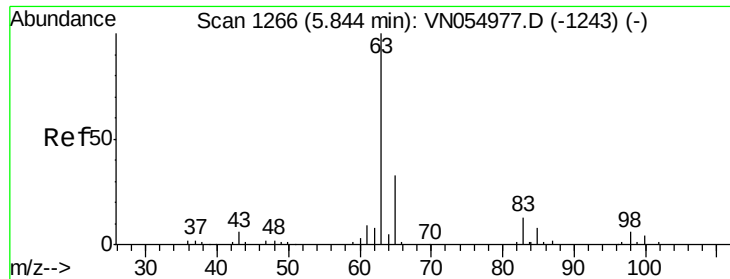
MMDadoda
4/12/2019 1:41:30 PM



#20
Diisopropyl ether
Concen: 19.681 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	45.8	68.8
87	21.8	18.2	27.4
59	10.3	8.2	12.2





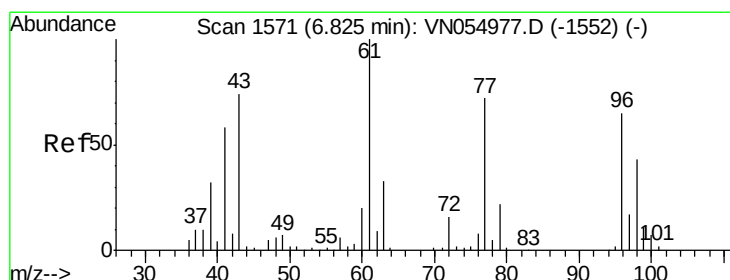
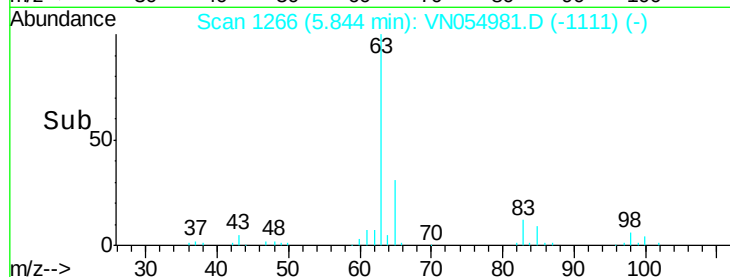
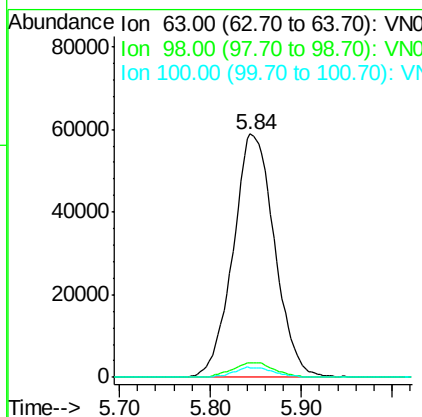
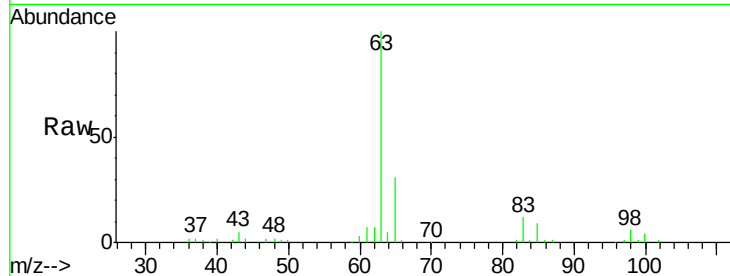
#21
 1,1-Dichloroethane
 Concen: 19.574 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Resp	Lower	Upper
63	100	185743		
98	6.2		2.9	8.7
100	3.8		2.0	5.8

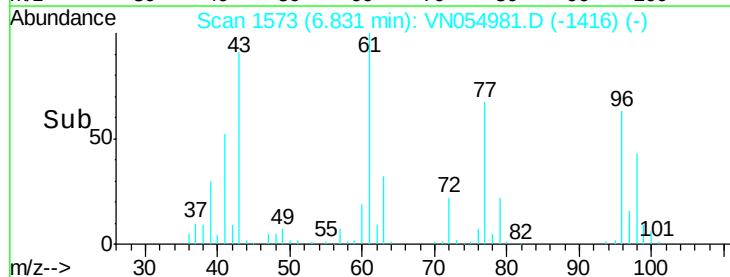
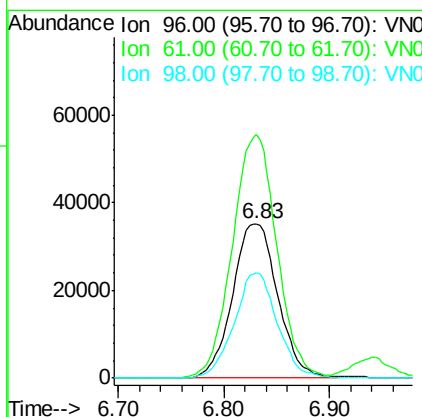
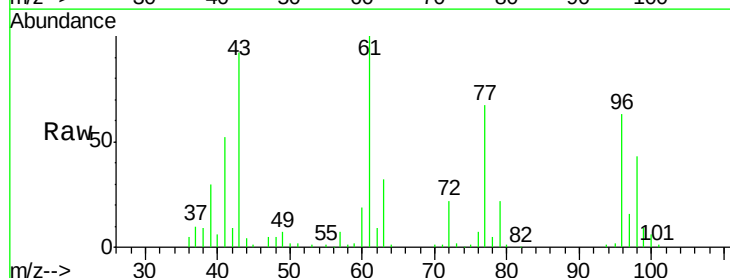
Manual Integrations
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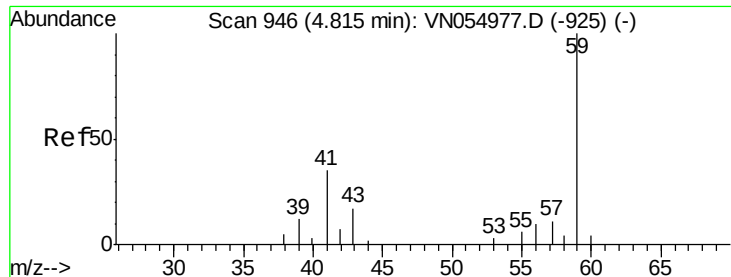
MMDadoda
 4/12/2019 1:41:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.418 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104631		
61	155.4		125.0	187.6
98	65.1		52.2	78.2





#23

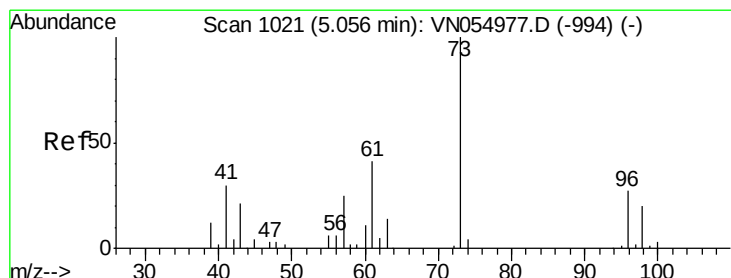
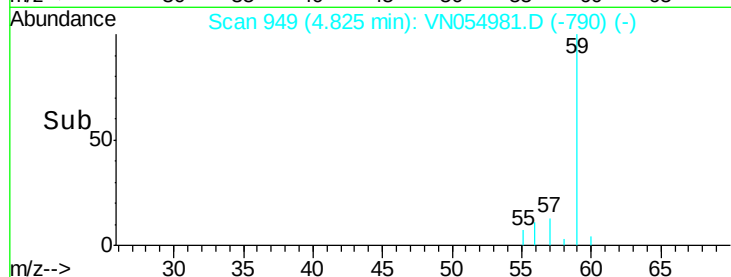
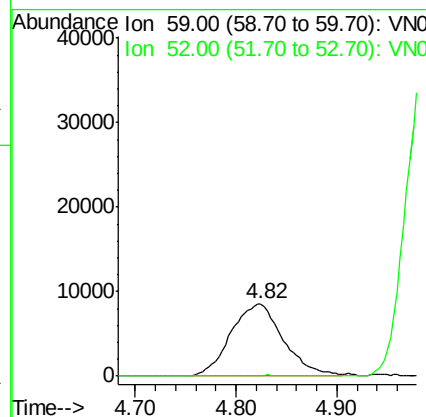
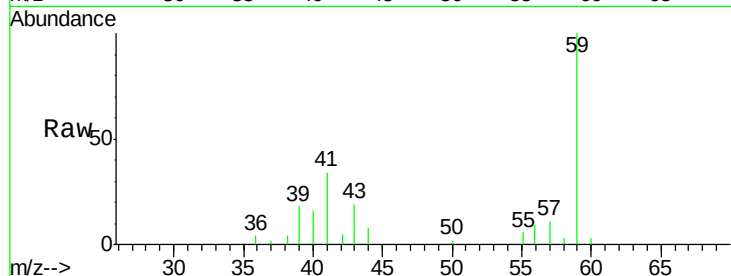
tert-Butyl Alcohol
 Concen: 108.014 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		30908		
52	0.0		0.0	0.0	0.0

Manual Integrations
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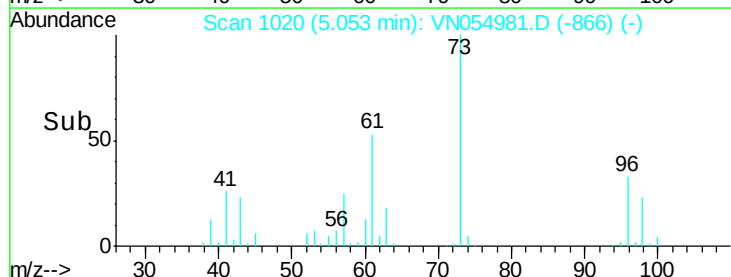
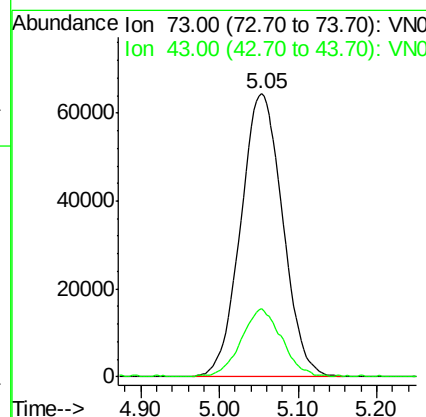
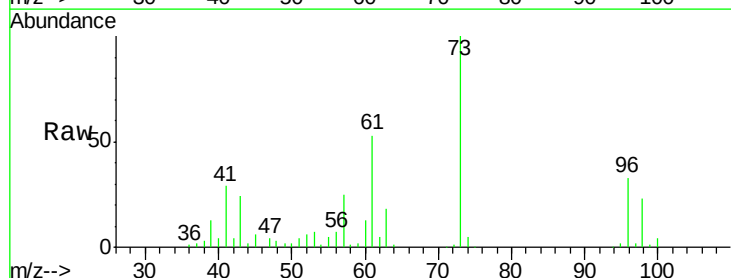
MMDadoda
 4/12/2019 1:41:30 PM

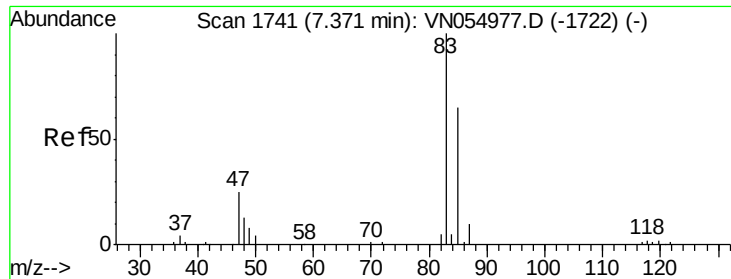


#24

Methyl tert-Butyl Ether
 Concen: 20.172 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		241209		
43	22.3		8.0	12.0	#





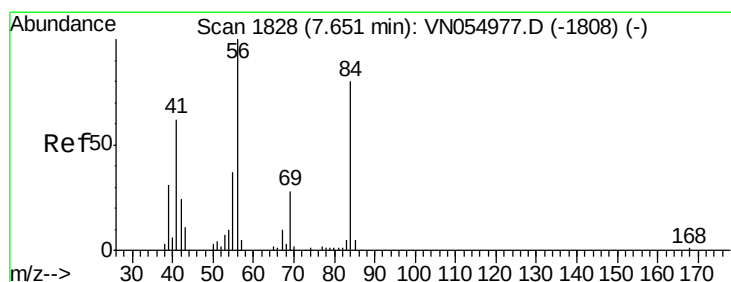
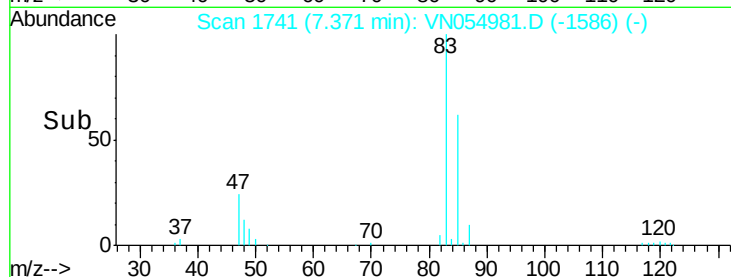
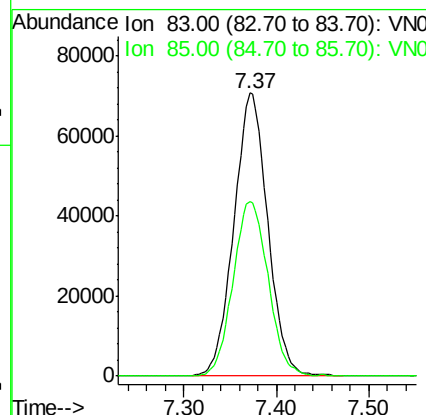
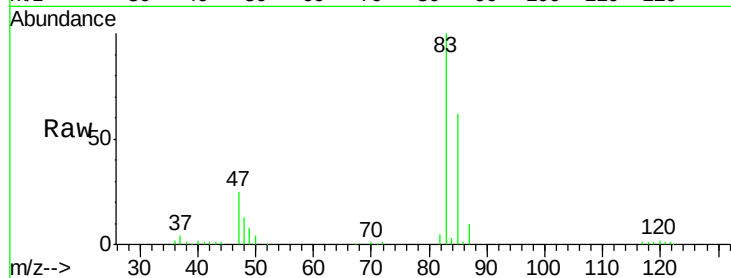
#25
Chloroform
Concen: 19.692 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	83	Resp	178992
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	51.8	77.8

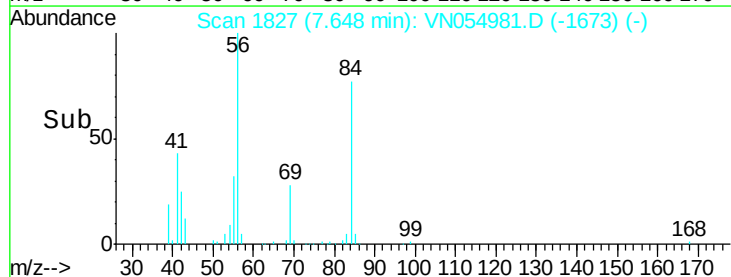
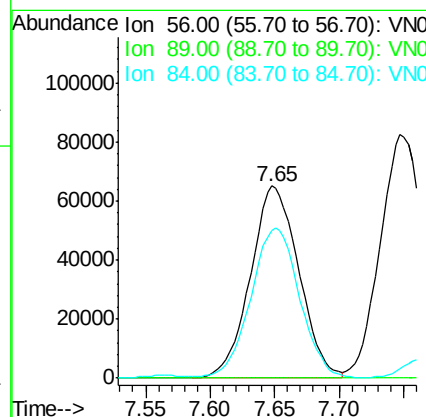
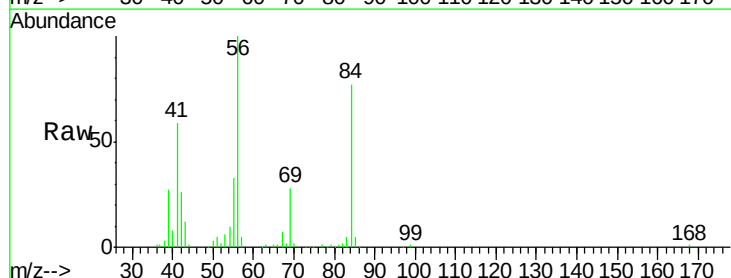
Manual Integrations
APPROVED

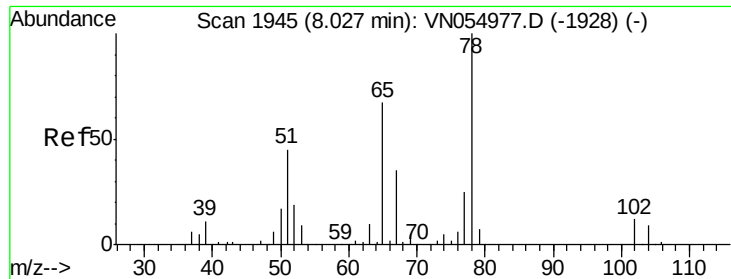
MMDadoda
4/12/2019 1:41:30 PM



#26
Cyclohexane
Concen: 19.260 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	56	Resp	169577
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	79.1	63.5	95.3





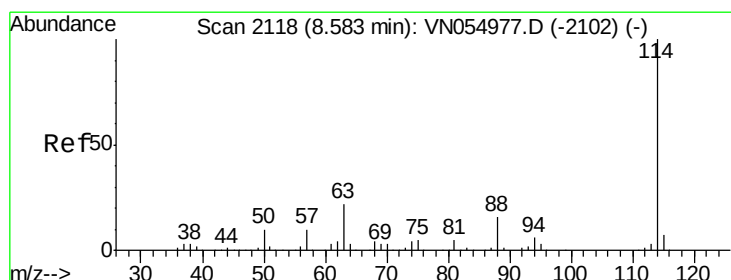
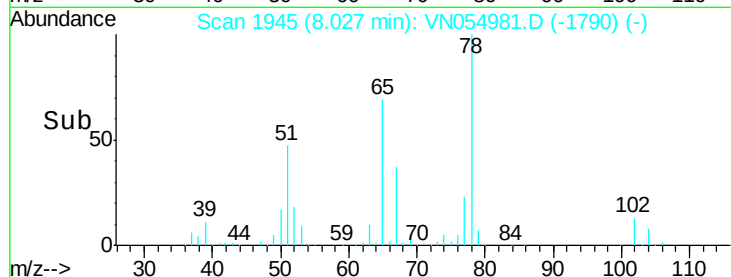
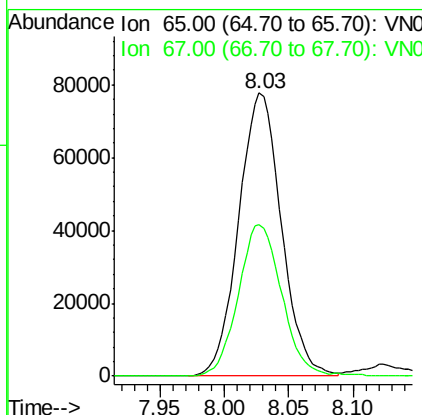
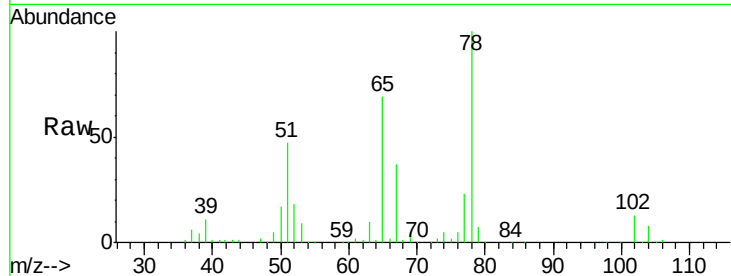
#27
 1,2-Dichloroethane-d4
 Concen: 19.260 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179301		
67	54.2		41.8	62.8

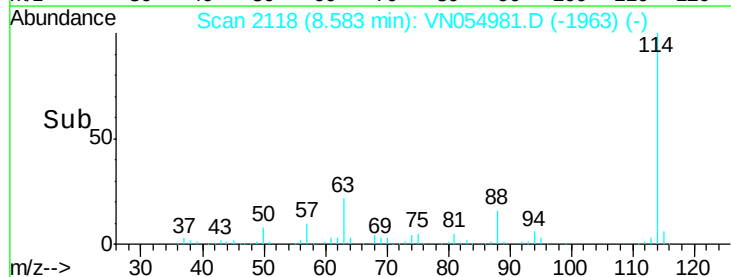
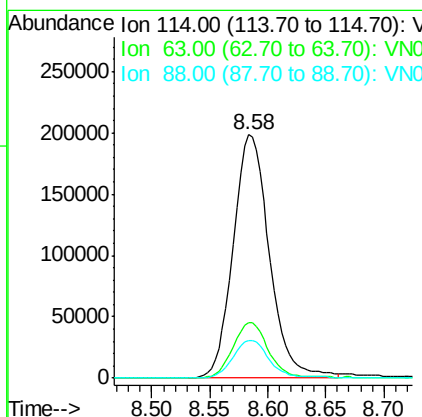
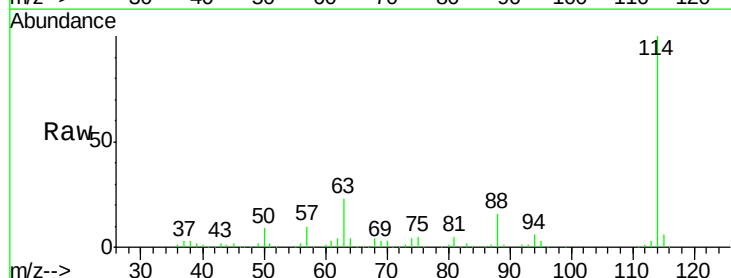
Manual Integrations
 APPROVED

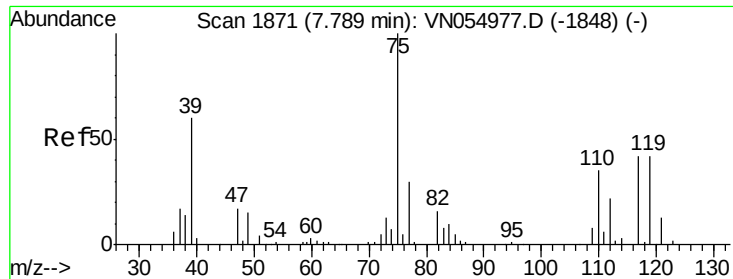
MMDadoda
 4/12/2019 1:41:30 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430719		
63	22.3		17.0	25.4
88	15.3		12.3	18.5





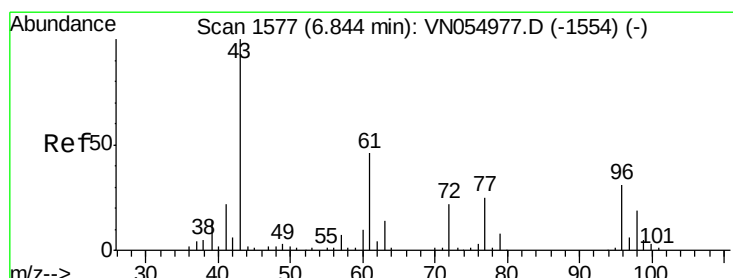
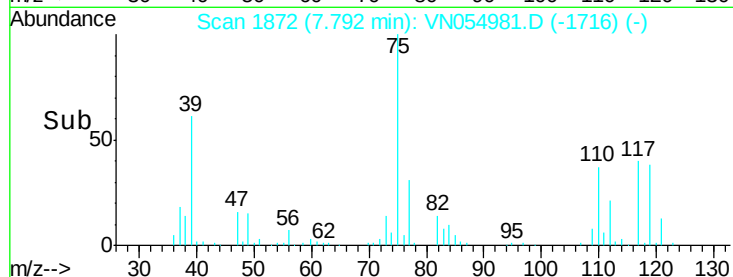
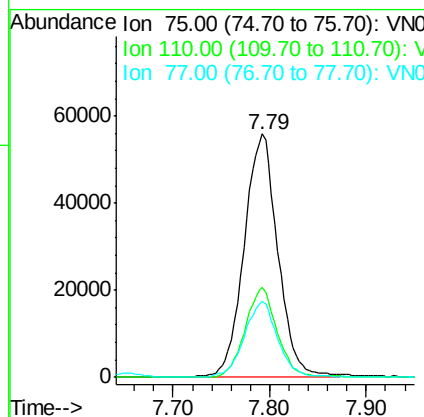
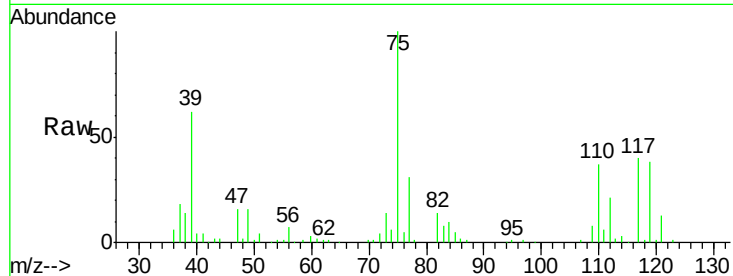
#29
 1,1-Dichloropropene
 Concen: 20.168 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.8	0.0	68.4
77	30.8	0.0	58.6

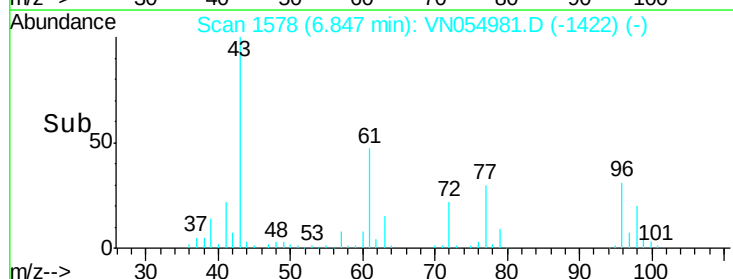
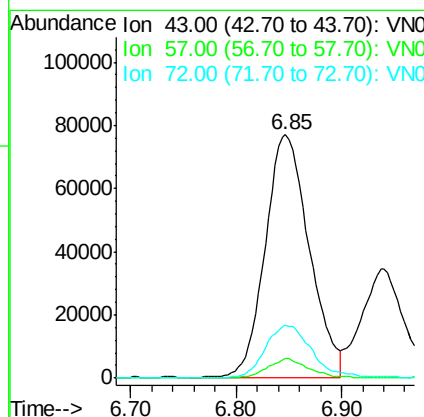
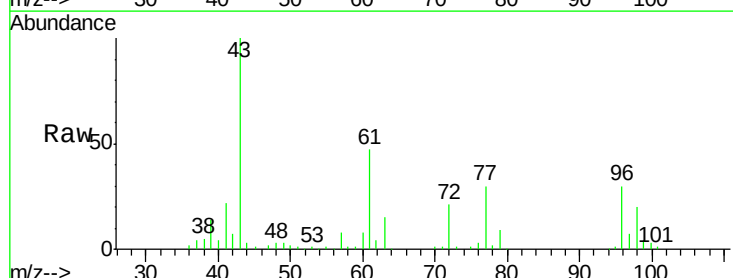
Manual Integrations
 APPROVED

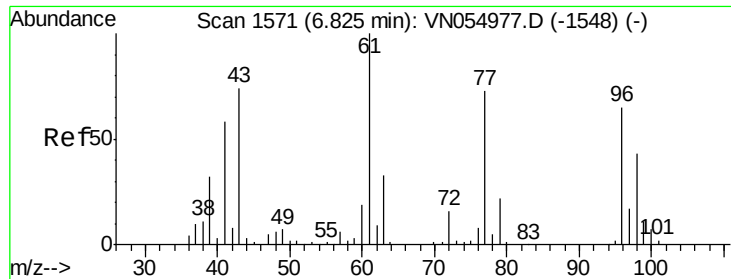
MMDadoda
 4/12/2019 1:41:30 PM



#30
 2-Butanone
 Concen: 100.186 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.8	18.6	27.8





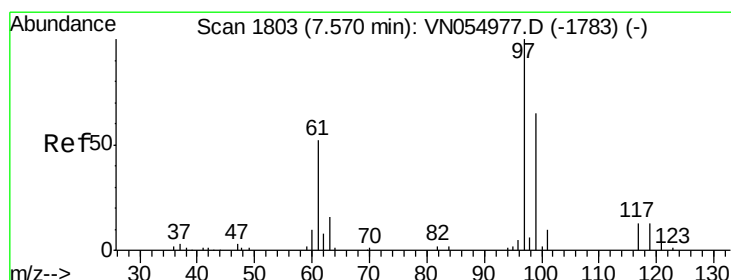
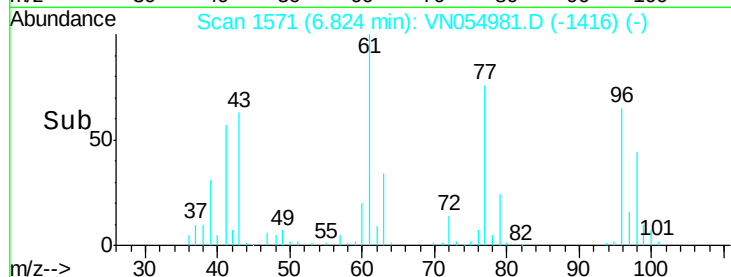
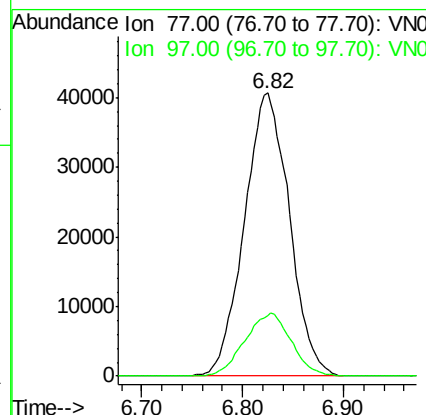
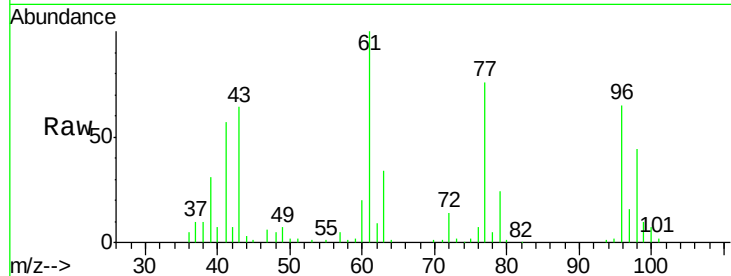
#31
 2,2-Dichloropropane
 Concen: 20.400 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion: 77 Resp: 125945
 Ion Ratio Lower Upper
 77 100
 97 22.9 0.0 0.0#

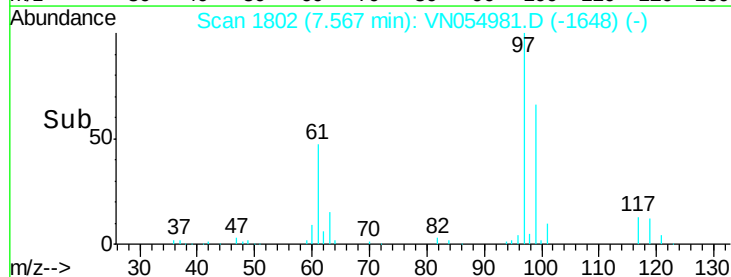
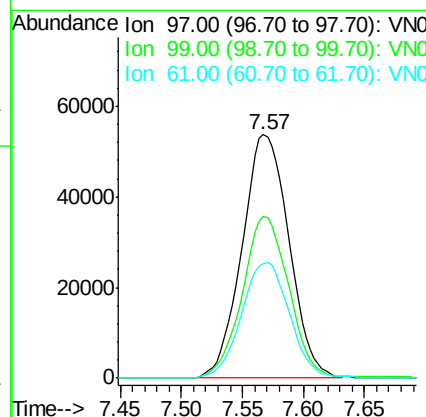
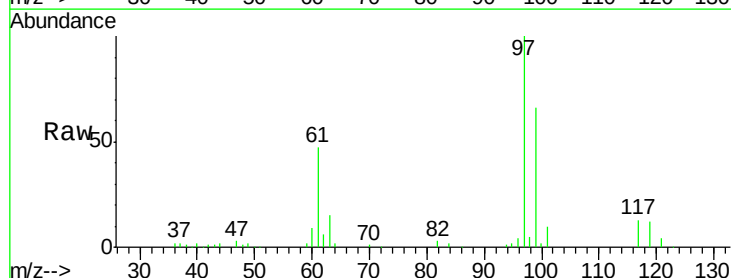
Manual Integrations
 APPROVED

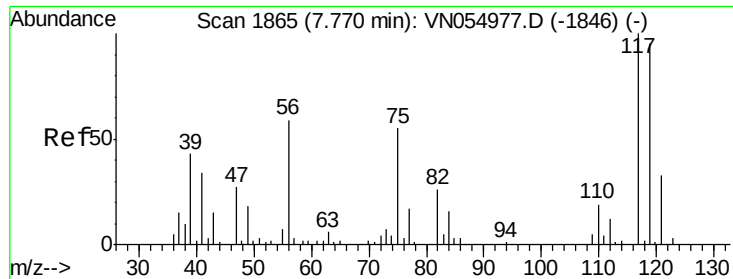
MMDadoda
 4/12/2019 1:41:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.178 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 97 Resp: 143066
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.2 76.8
 61 48.6 40.6 60.8





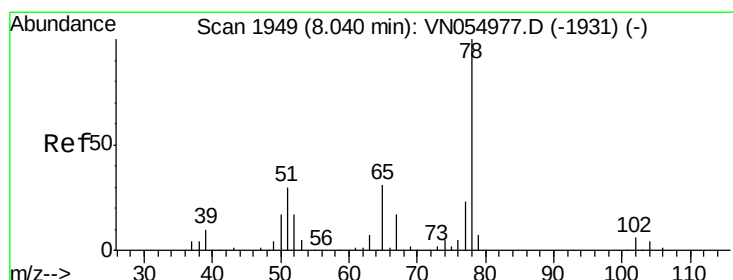
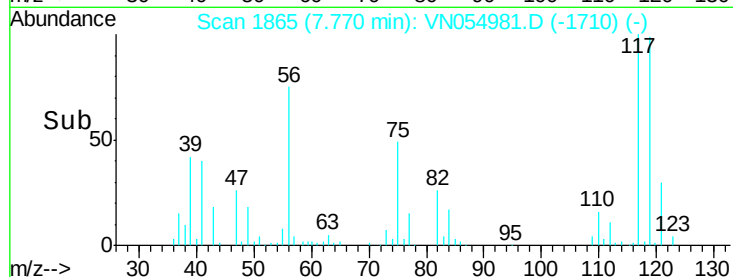
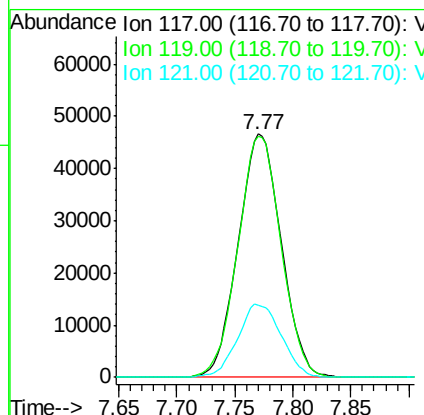
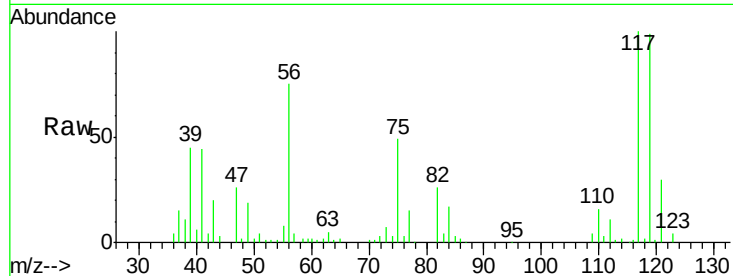
#33
Carbon Tetrachloride
Concen: 19.569 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.1	114.1
121	29.8	26.2	39.4

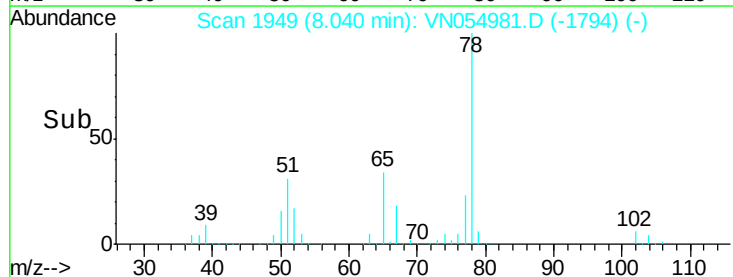
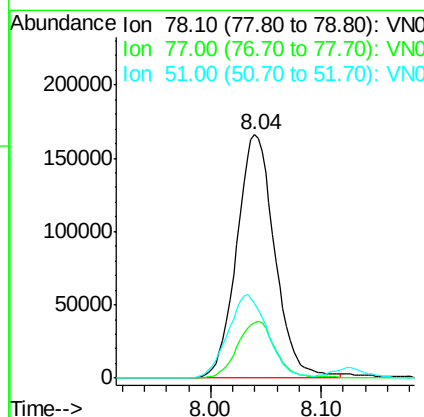
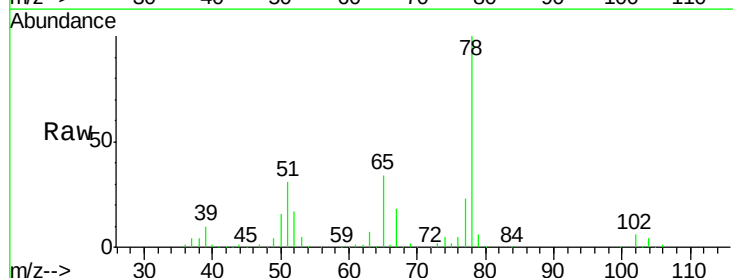
Manual Integrations
APPROVED

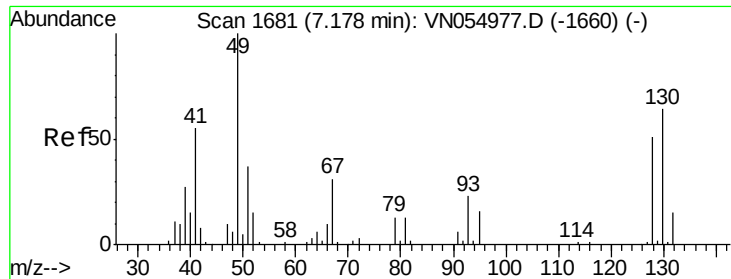
MMDadoda
4/12/2019 1:41:30 PM



#34
Benzene
Concen: 19.982 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.4
51	30.5	23.7	35.5





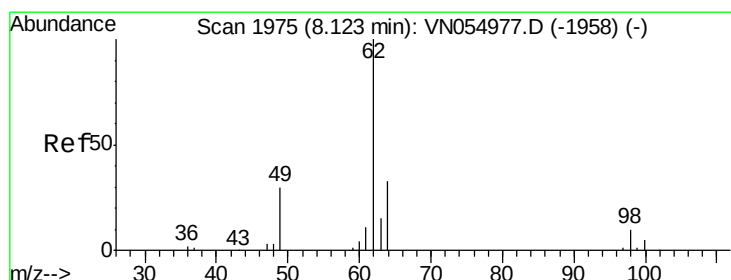
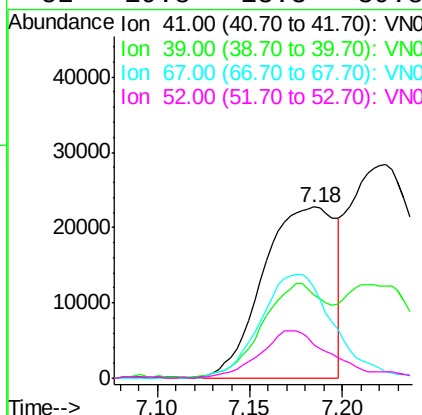
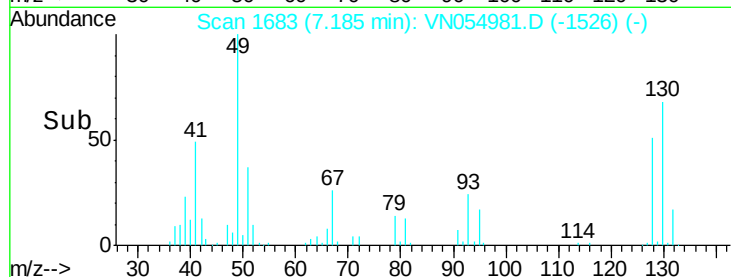
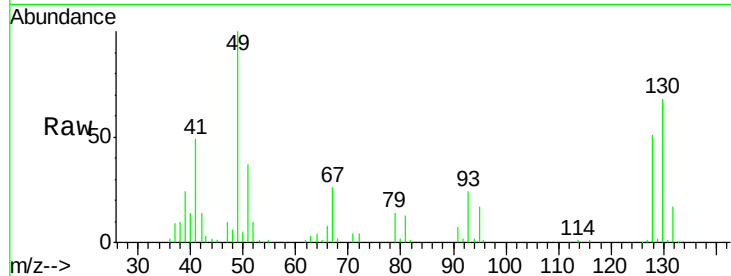
#35
Methacrylonitrile
Concen: 23.503 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	41	Resp	61681
Ion Ratio	Lower	Upper	
41	100		
39	47.9	24.2	72.6
67	53.1	28.1	84.2
52	19.8	13.3	39.8

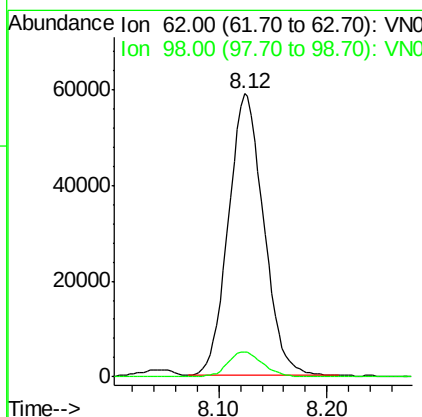
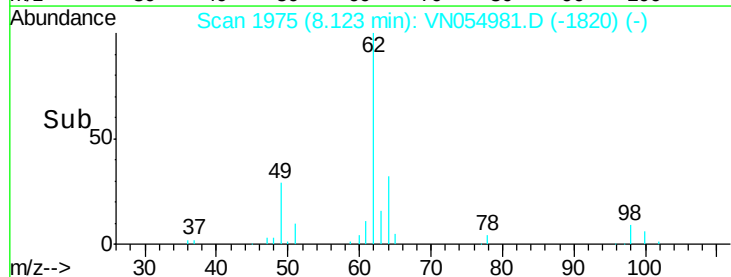
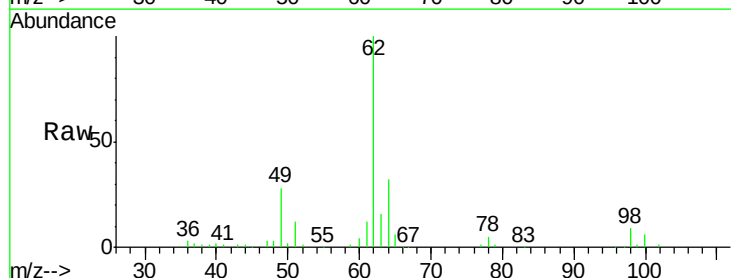
Manual Integrations
APPROVED

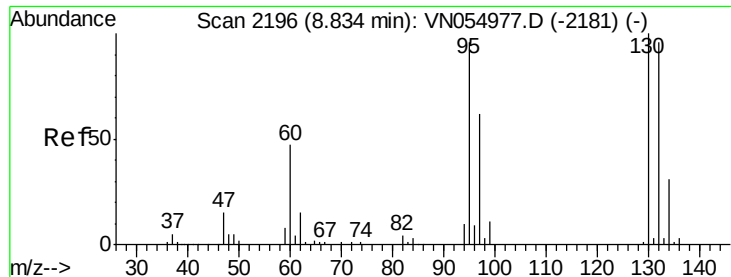
MMDadoda
4/12/2019 1:41:30 PM



#36
1,2-Dichloroethane
Concen: 19.705 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	62	Resp	133871
Ion Ratio	Lower	Upper	
62	100		
98	8.8	6.9	10.3





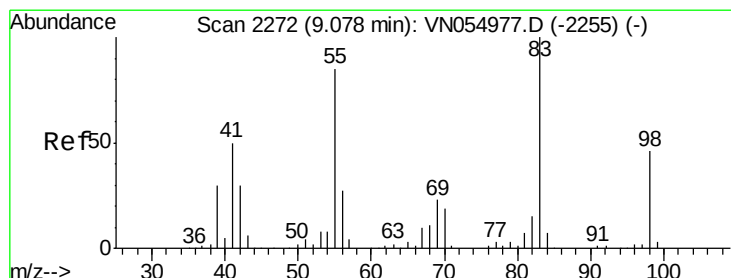
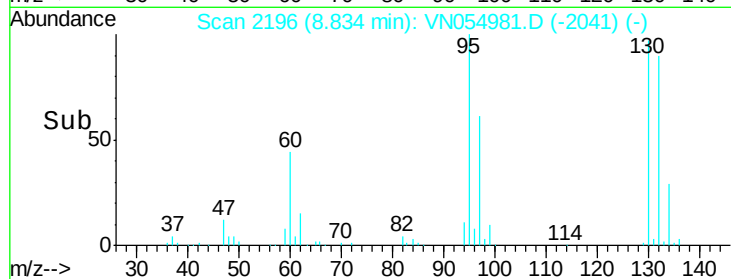
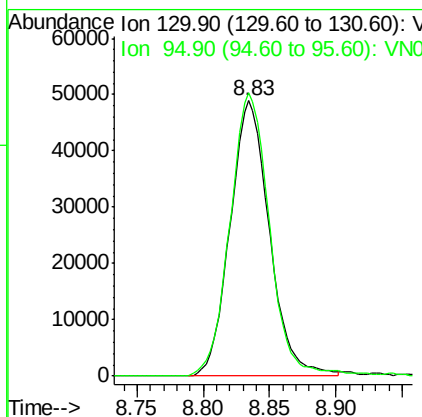
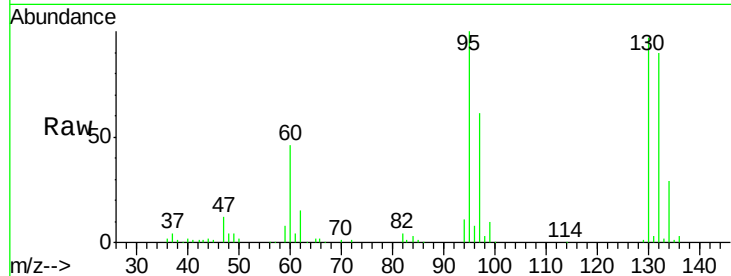
#37
 Trichloroethene
 Concen: 19.919 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion:130 Resp: 100941
 Ion Ratio Lower Upper
 130 100
 95 102.5 76.6 115.0

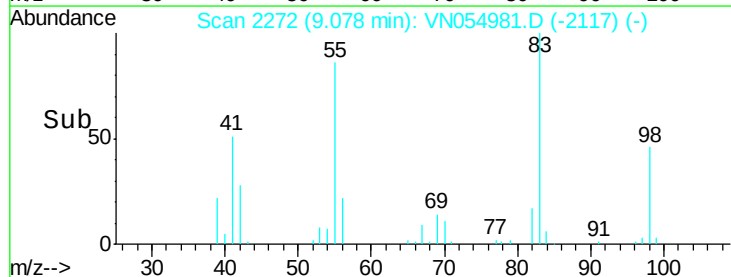
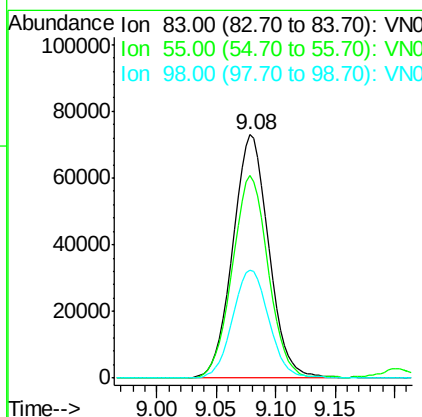
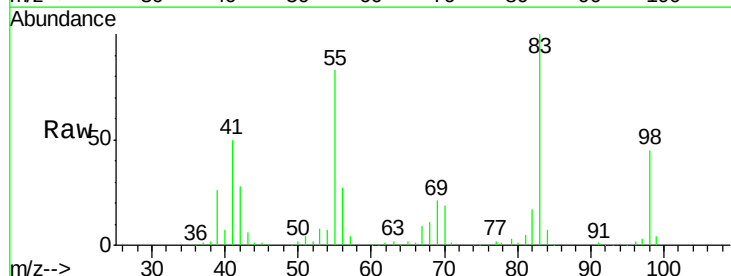
Manual Integrations
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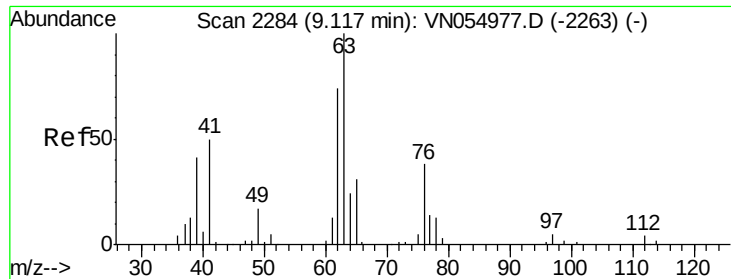
MMDadoda
 4/12/2019 1:41:30 PM



#38
 Methylcyclohexane
 Concen: 19.654 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 83 Resp: 152889
 Ion Ratio Lower Upper
 83 100
 55 83.2 41.9 125.6
 98 44.9 22.4 67.0





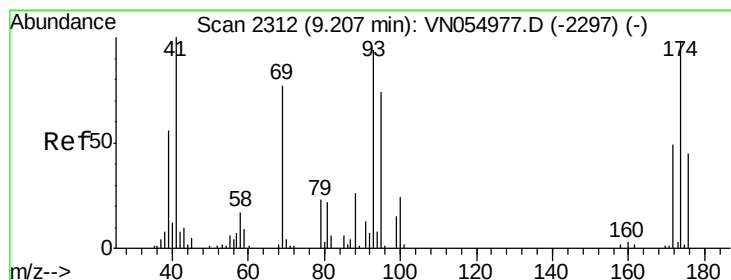
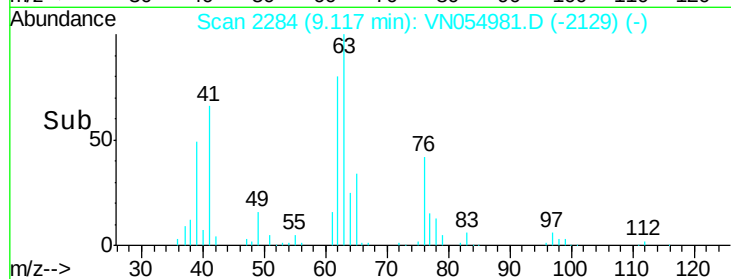
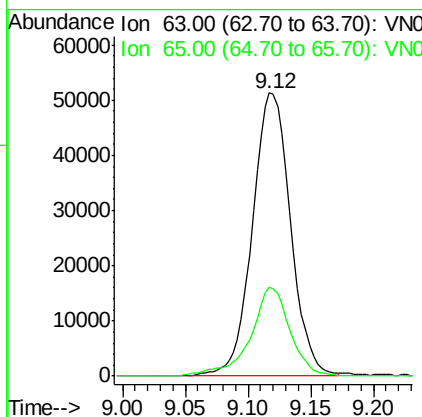
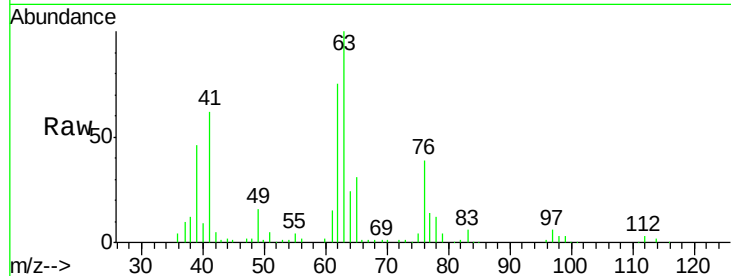
#39
 1,2-Dichloropropane
 Concen: 19.824 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

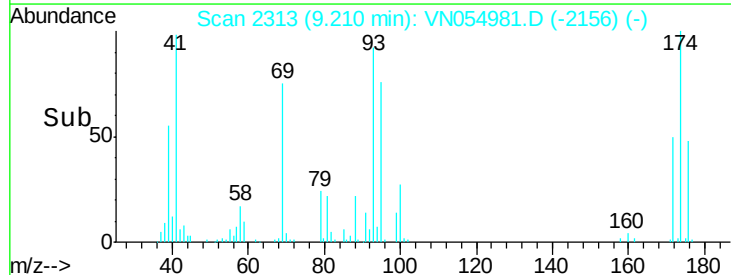
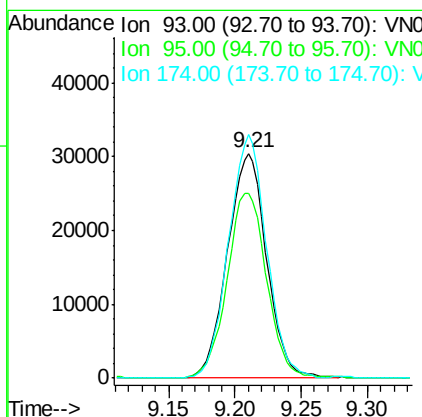
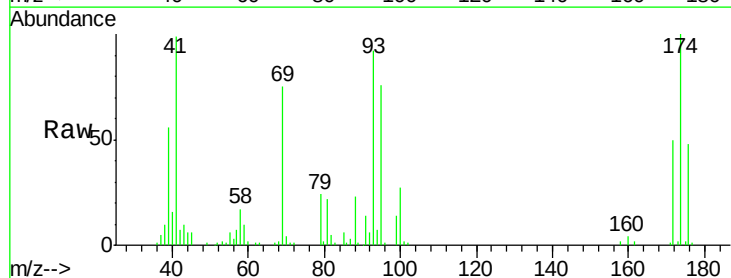
Manual Integrations
 APPROVED

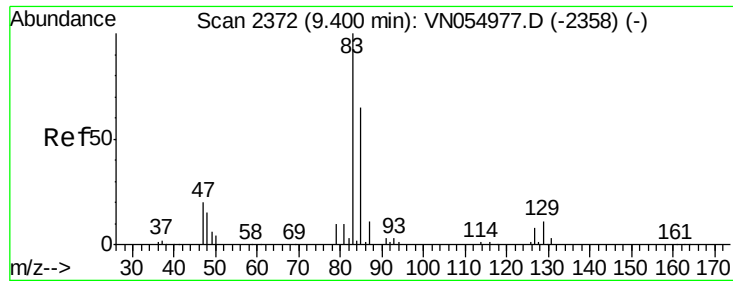
MMDadoda
 4/12/2019 1:41:30 PM



#40
 Dibromomethane
 Concen: 20.134 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	160.8
174	104.8	0.0	206.4





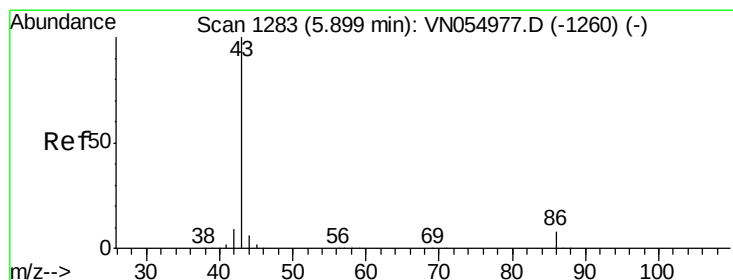
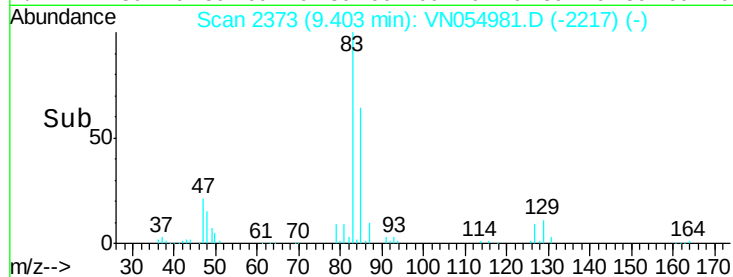
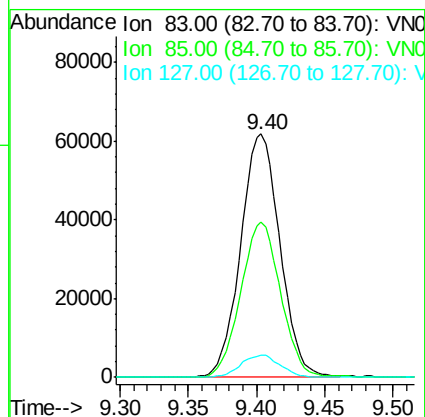
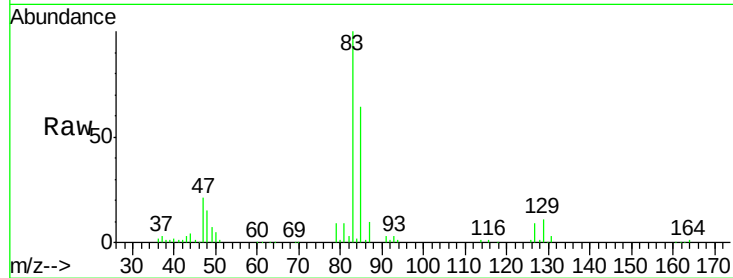
#41
Bromodichloromethane
Concen: 19.365 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	83	Resp	123997
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.0	78.0
127	9.2	7.2	10.8

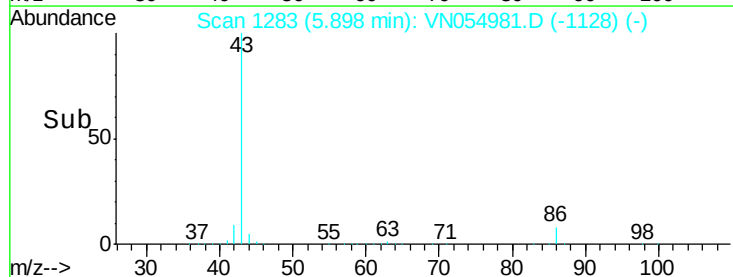
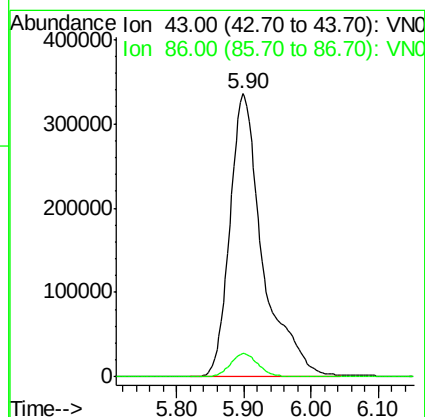
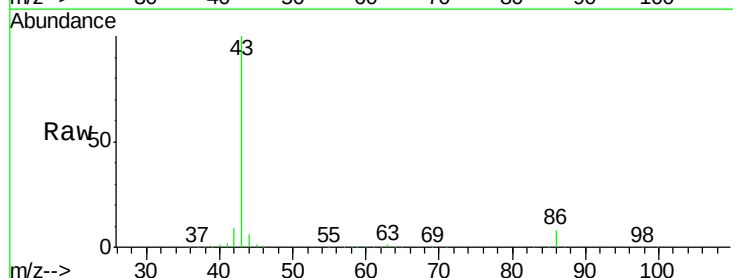
Manual Integrations
APPROVED

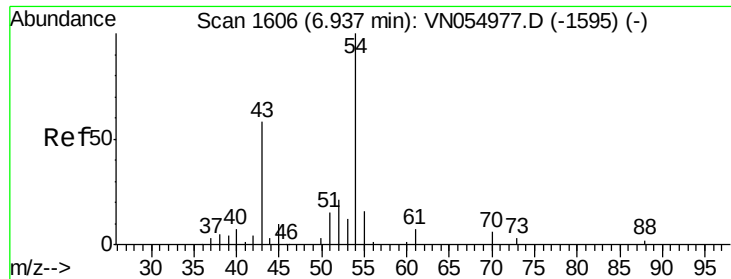
MMDadoda
4/12/2019 1:41:30 PM



#42
Vinyl Acetate
Concen: 101.501 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	43	Resp	1142590
Ion Ratio	100	Lower	Upper
43	100		
86	7.1	5.7	8.5





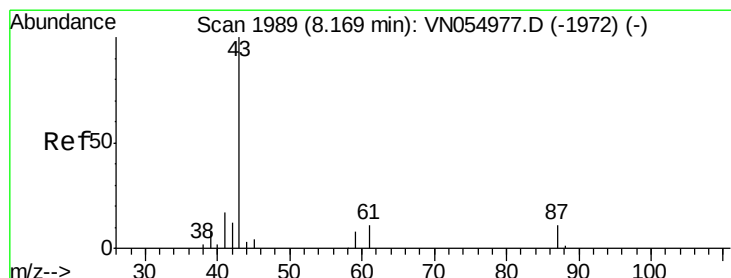
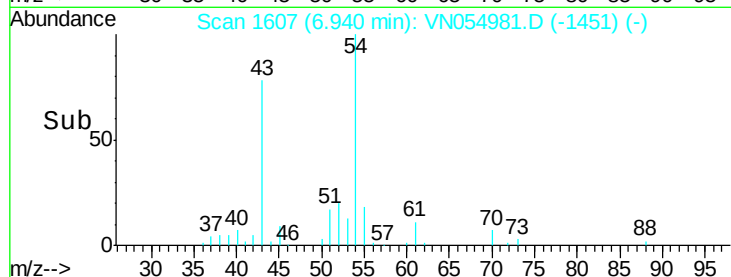
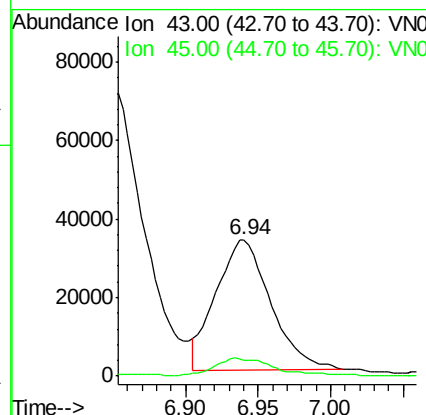
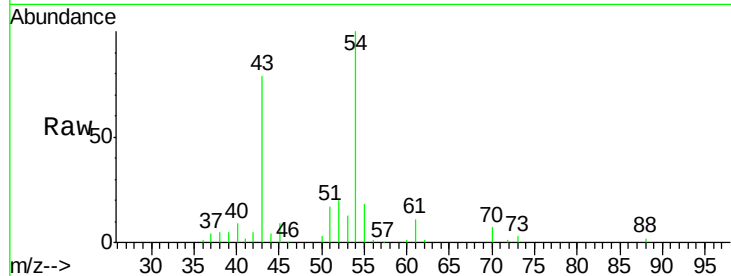
#43
Ethyl Acetate
Concen: 19.167 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion: 43 Resp: 86945
Ion Ratio Lower Upper
43 100
45 7.8 10.6 15.8#

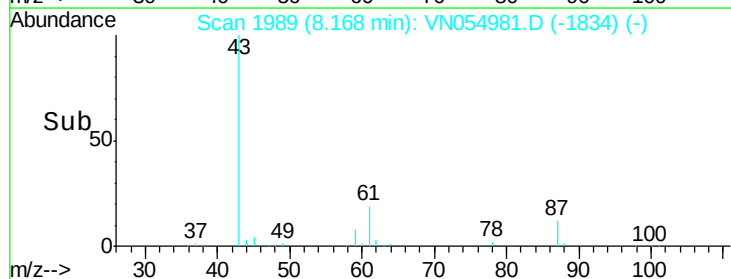
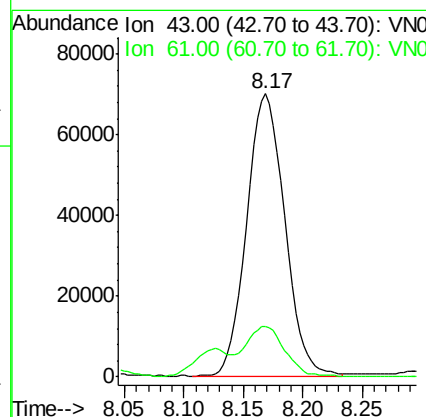
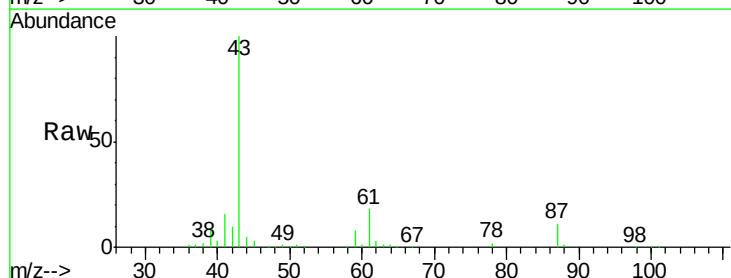
Manual Integrations
APPROVED

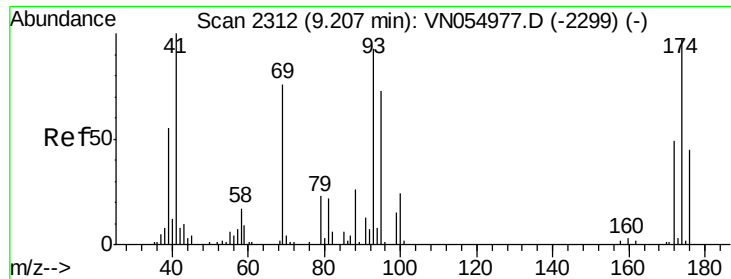
MMDadoda
4/12/2019 1:41:30 PM



#44
Isopropyl Acetate
Concen: 20.183 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 43 Resp: 155157
Ion Ratio Lower Upper
43 100
61 16.6 14.8 22.2





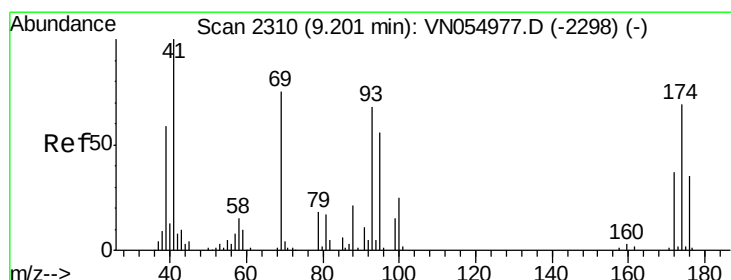
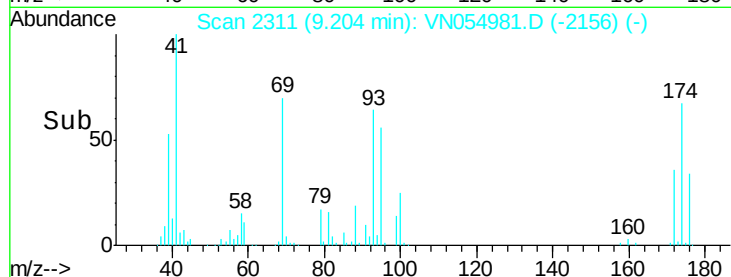
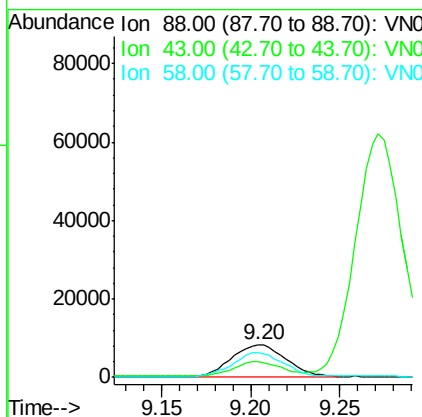
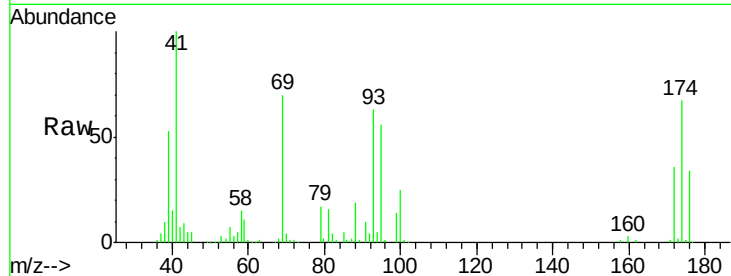
#45
1,4-Dioxane
Concen: 421.564 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	88	Resp	17954
Ion	Ratio	Lower	Upper
88	100		
43	37.3	34.5	51.7
58	73.2	60.3	90.5

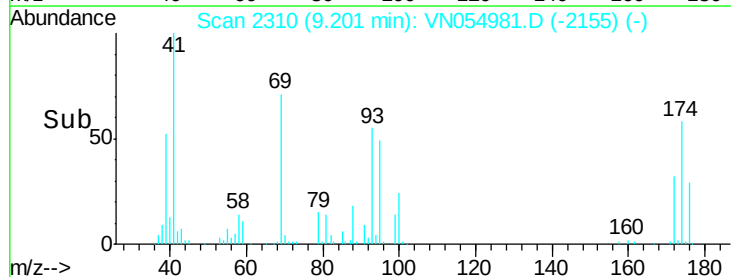
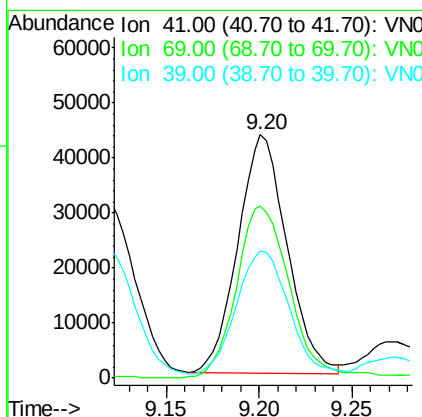
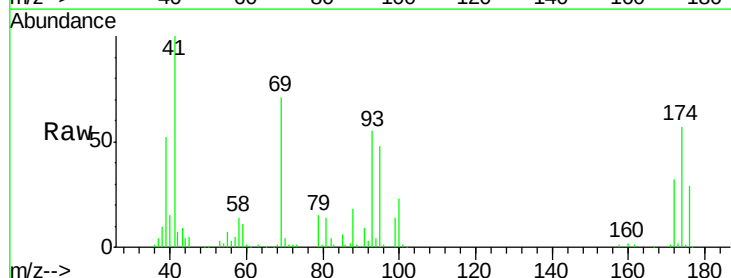
Manual Integrations
APPROVED

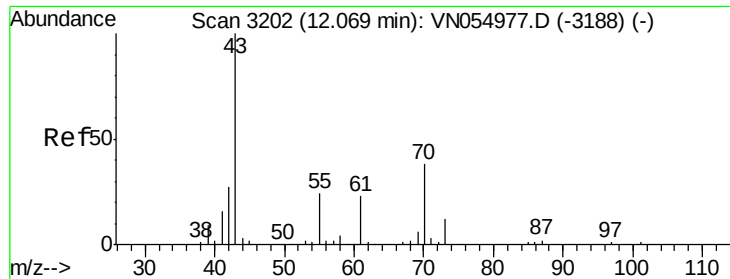
MMDadoda
4/12/2019 1:41:30 PM



#46
Methyl methacrylate
Concen: 19.983 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	41	Resp	79467
Ion	Ratio	Lower	Upper
41	100		
69	71.9	37.3	111.9
39	51.5	29.4	88.2





#47

n-amvl Acetate

Concen: 21.276 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 43 Resp: 120469

Ion Ratio Lower Upper

43 100

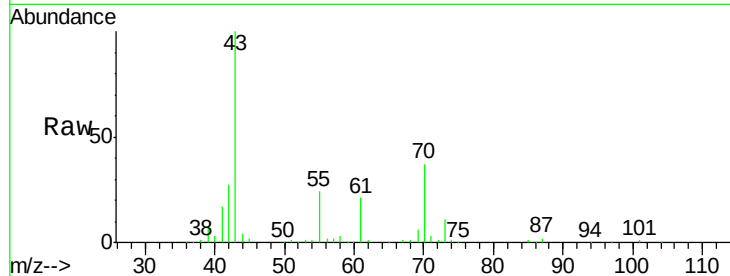
55 23.5 19.8 29.6

Manual Integrations

APPROVED

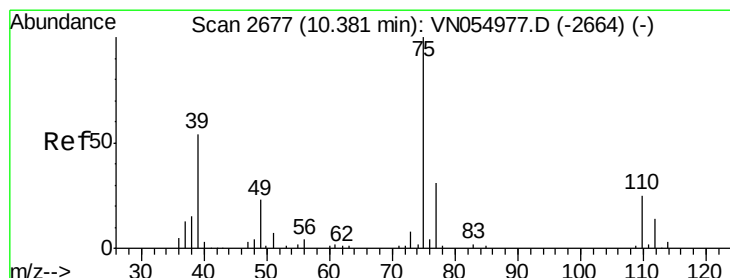
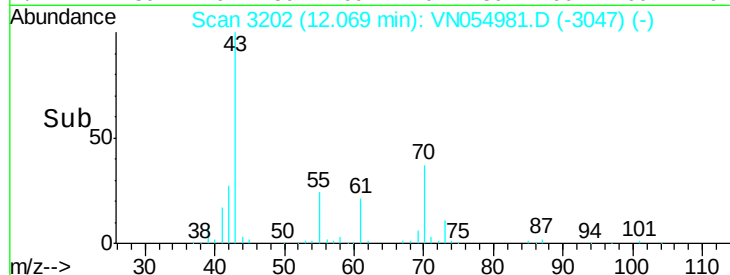
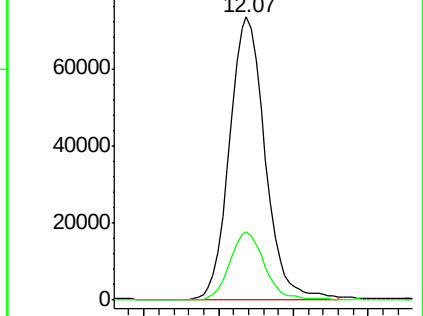
MMDadoda

4/12/2019 1:41:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.270 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054981.D

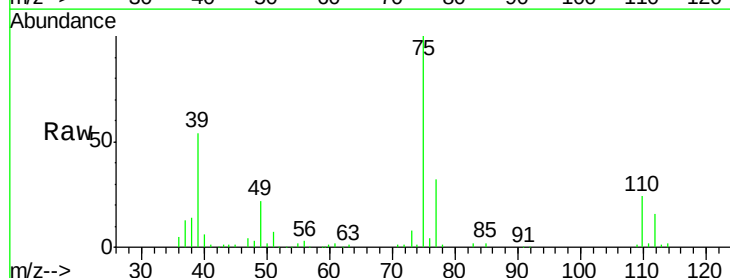
Acq: 11 Apr 2019 16:39

Tgt Ion: 75 Resp: 113304

Ion Ratio Lower Upper

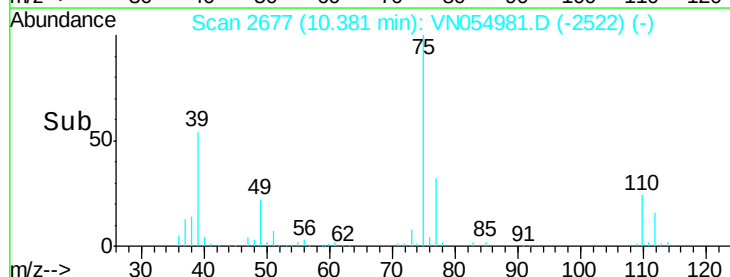
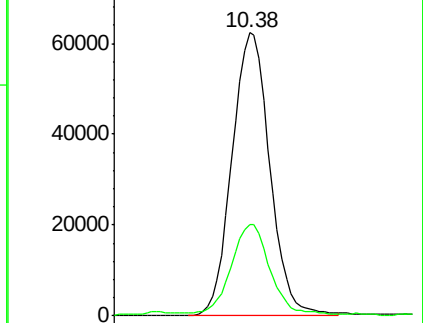
75 100

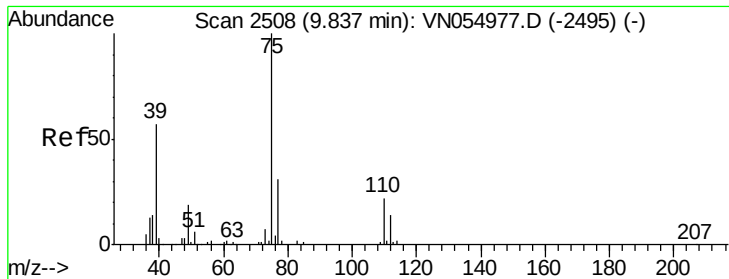
77 31.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

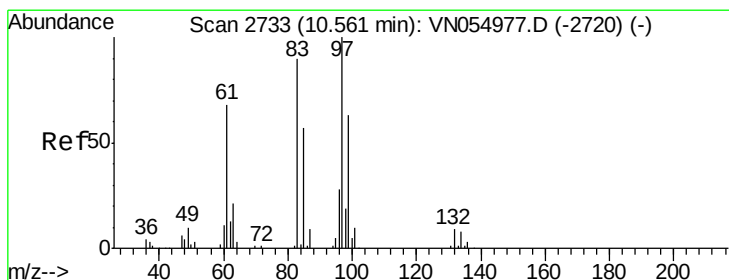
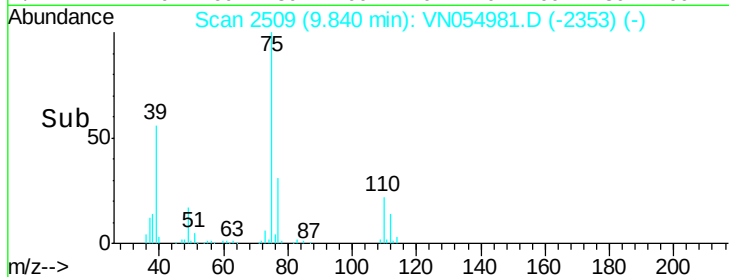
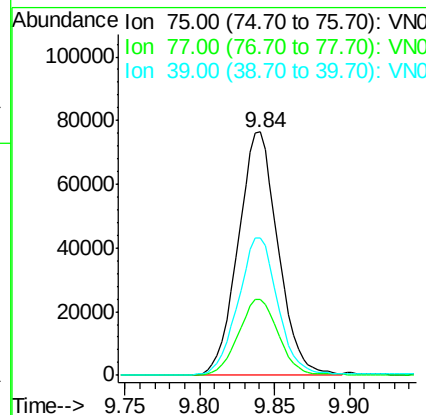
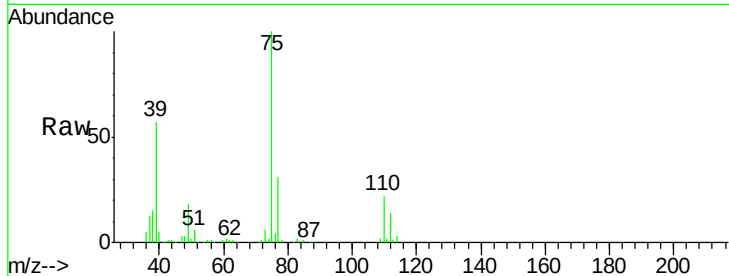
cis-1,3-Dichloropropene
Concen: 19.582 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	56.3	45.3	67.9

Manual Integrations
APPROVED

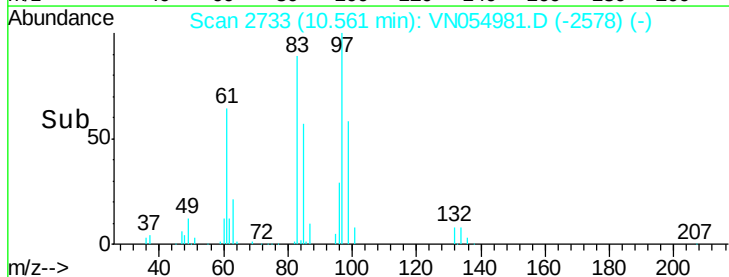
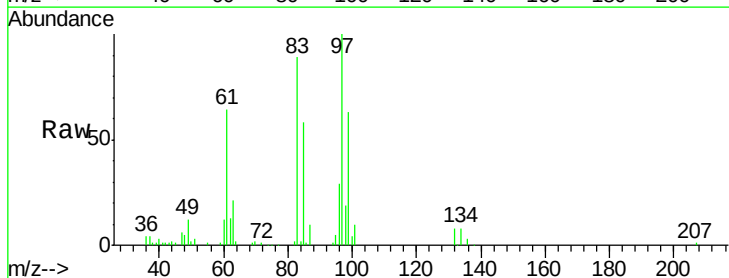
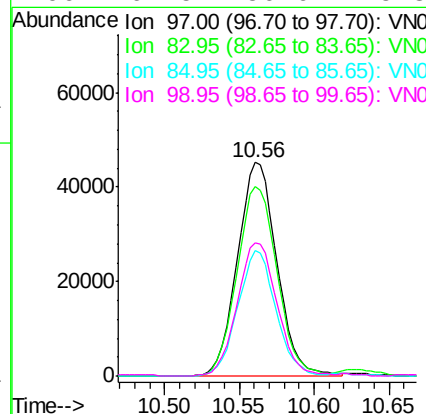
MMDadoda
4/12/2019 1:41:30 PM

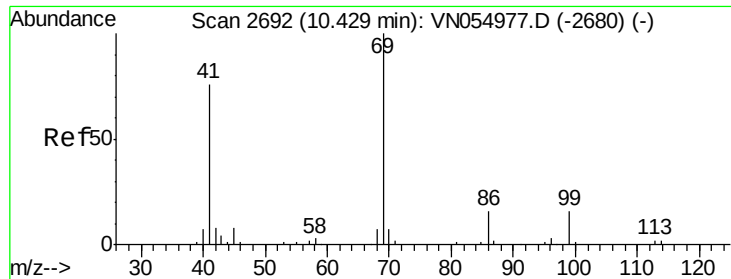


#50

1,1,2-Trichloroethane
Concen: 19.722 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.1	108.1
85	58.5	45.4	68.0
99	62.5	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.992 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

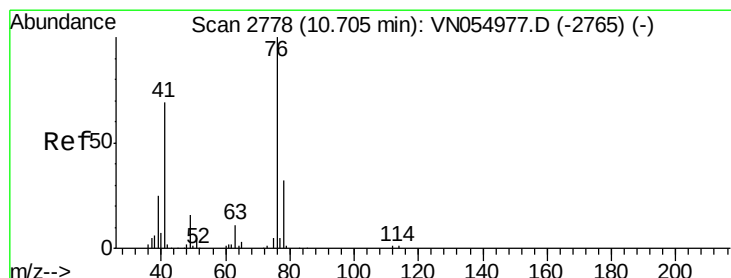
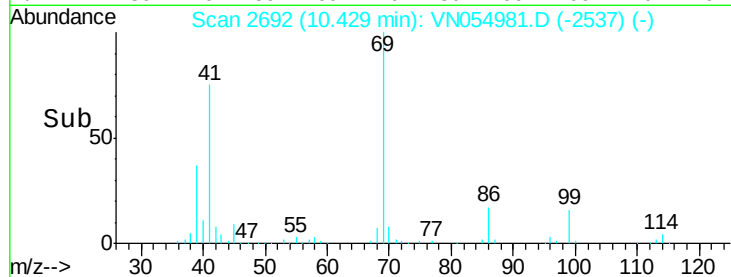
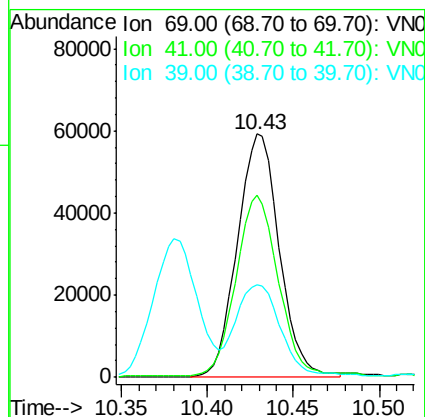
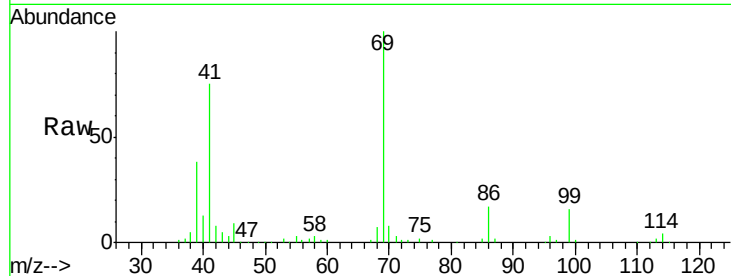
ClientSampleId :

ICVVN041119

Tot Ion:	69	Resp:	100423
Ion Ratio	Lower	Upper	
69	100		
41	74.2	37.9	113.7
39	36.6	19.8	59.4

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:30 PM



#52

1,3-Dichloropropane

Concen: 20.235 ug/l

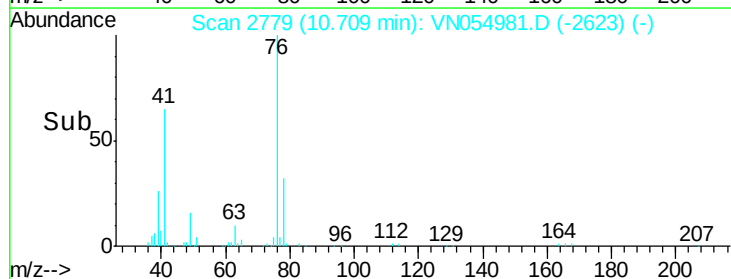
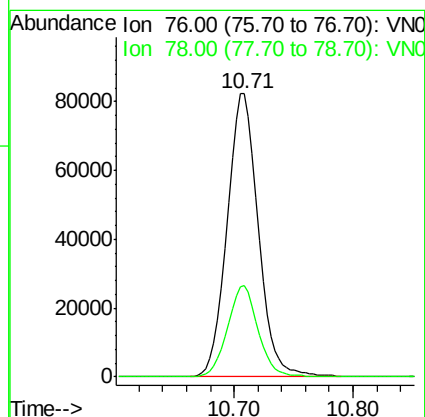
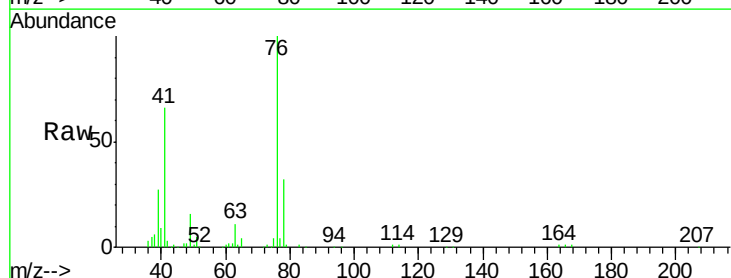
RT: 10.71 min Scan# 2779

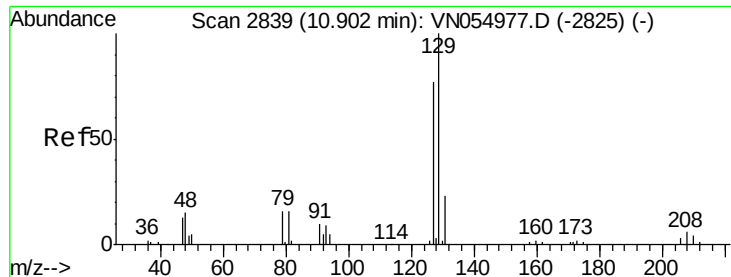
Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	76	Resp:	149415
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	64.4





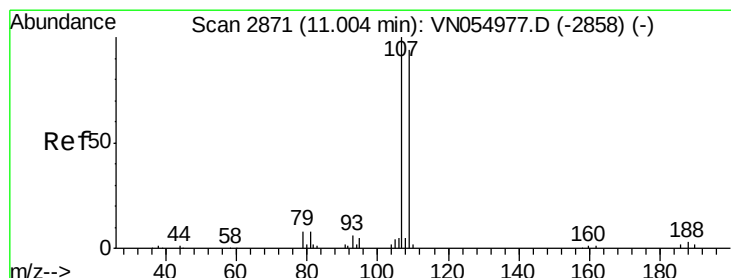
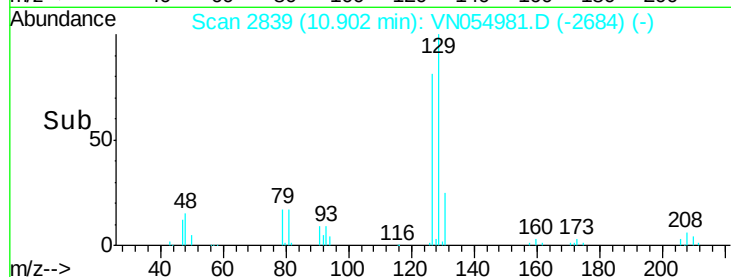
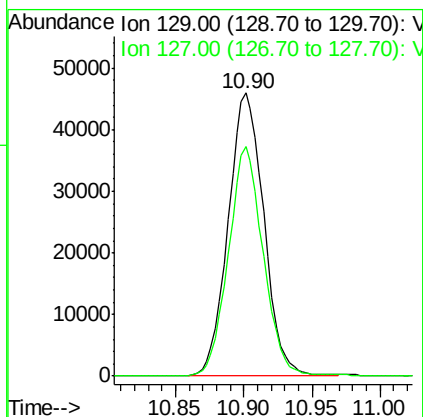
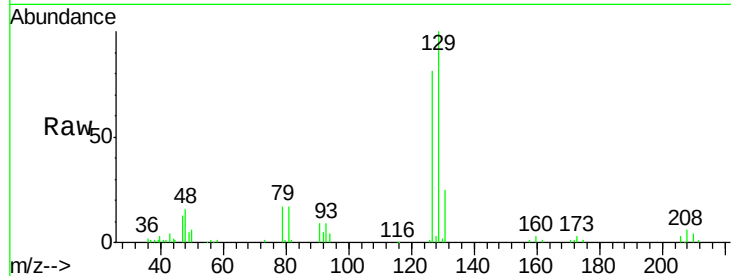
#53
 Dibromochloromethane
 Concen: 19.239 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.9	37.8	113.3

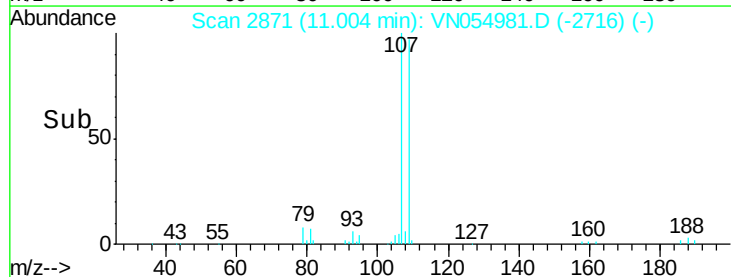
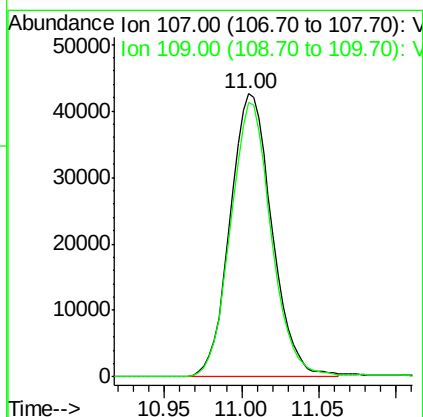
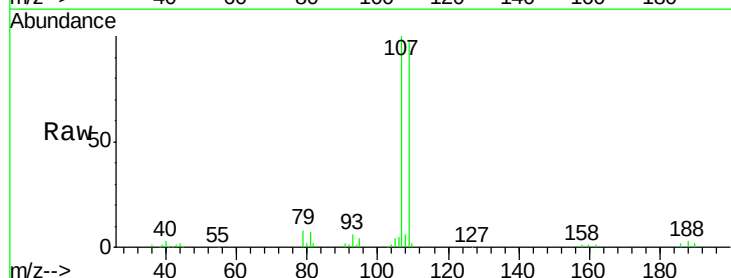
Manual Integrations
 APPROVED

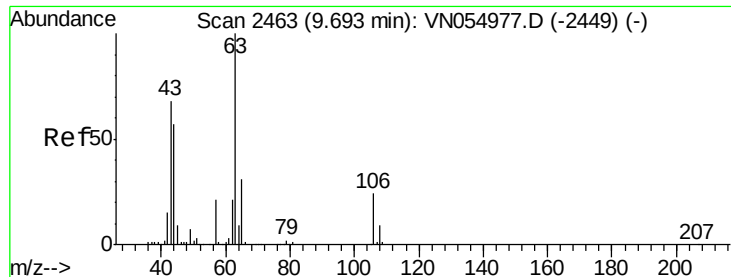
MMDadoda
 4/12/2019 1:41:30 PM



#54
 1,2-Dibromoethane
 Concen: 20.186 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.2	114.2





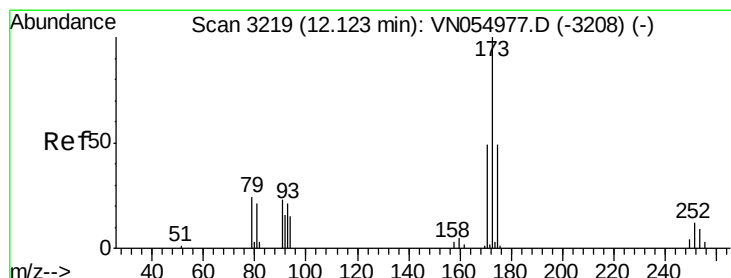
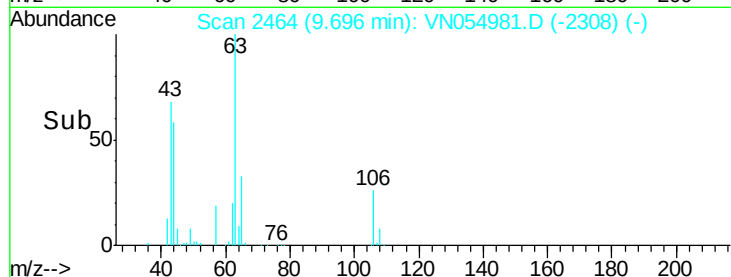
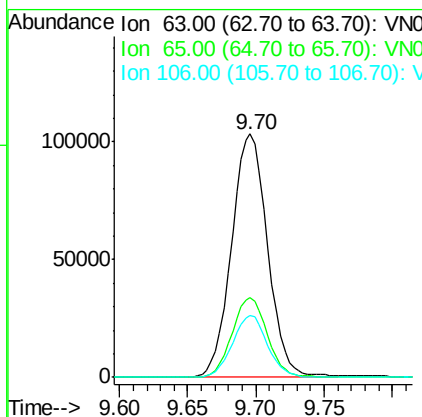
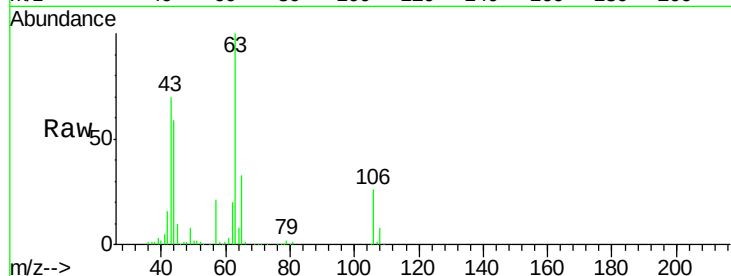
#55
2-Chloroethyl vinyl ether
Concen: 90.352 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0
106	24.6	19.8	29.6

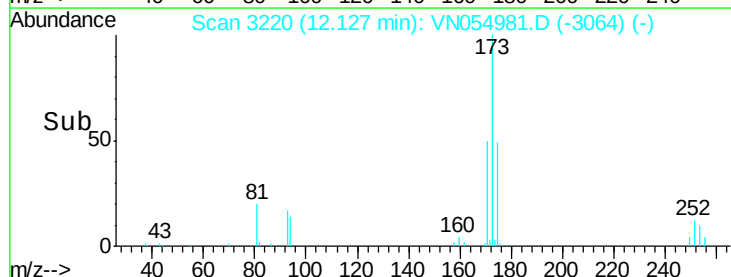
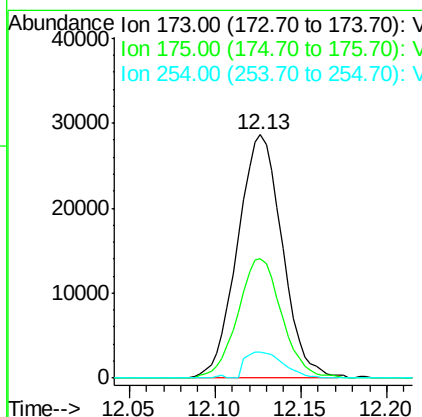
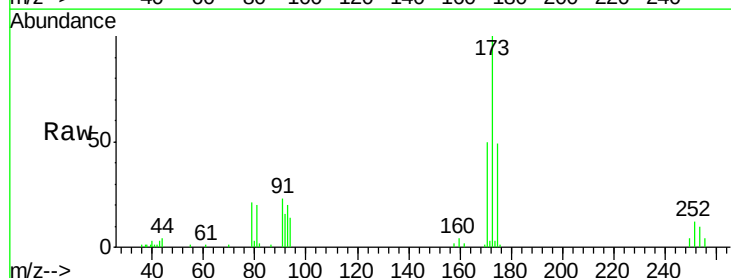
Manual Integrations
APPROVED

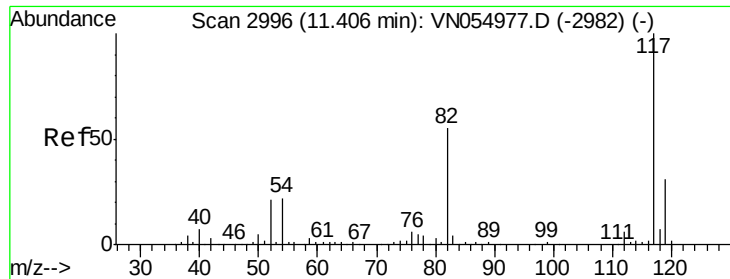
MMDadoda
4/12/2019 1:41:30 PM



#56
Bromoform
Concen: 18.934 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	57.8
254	9.1	6.8	10.2





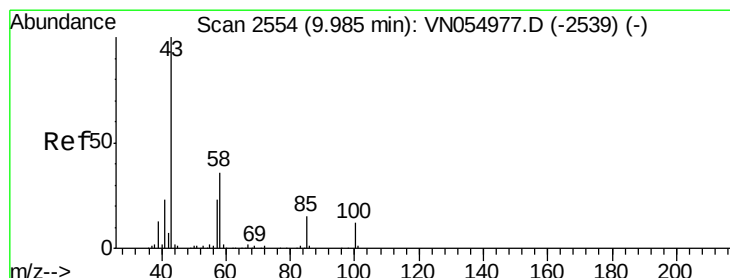
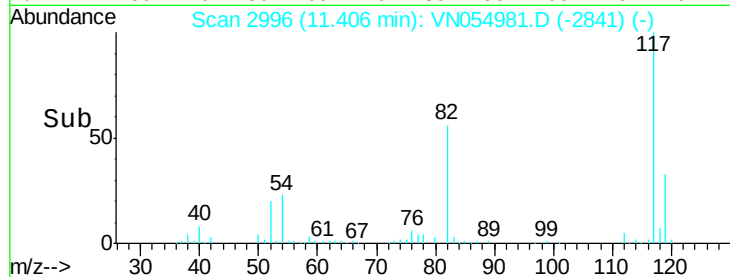
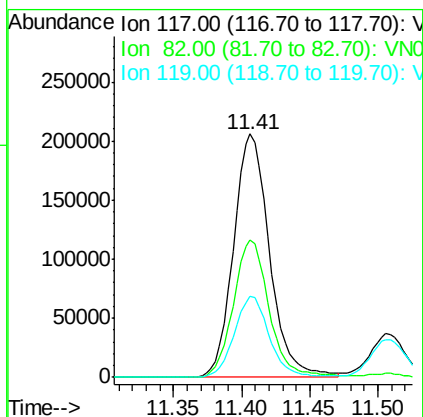
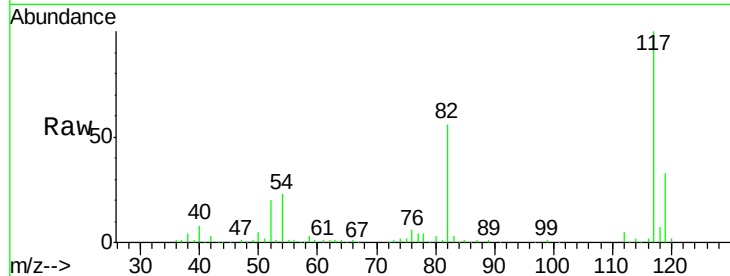
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.2	67.8
119	32.3	25.4	38.2

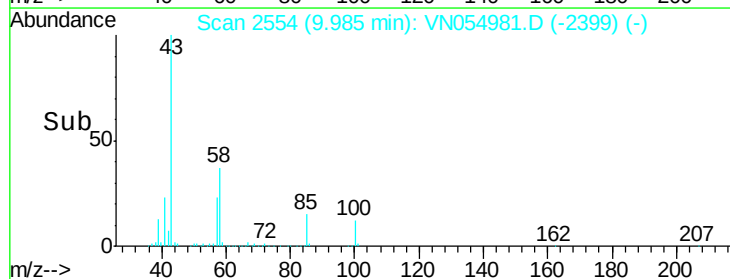
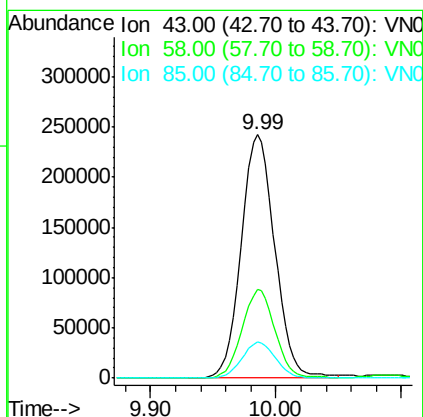
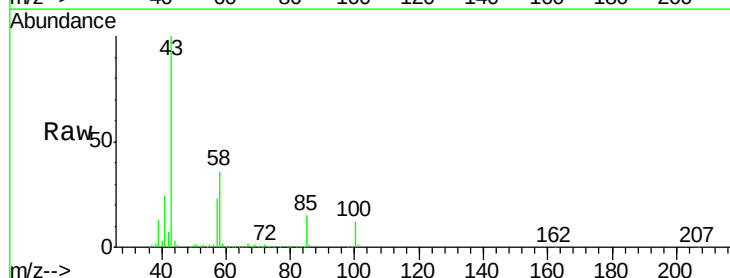
Manual Integrations
APPROVED

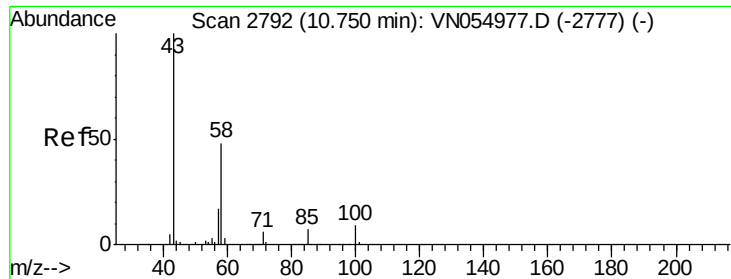
MMDadoda
4/12/2019 1:41:30 PM



#58
4-Methyl-2-Pentanone
Concen: 102.995 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.7	43.1
85	14.8	11.8	17.6





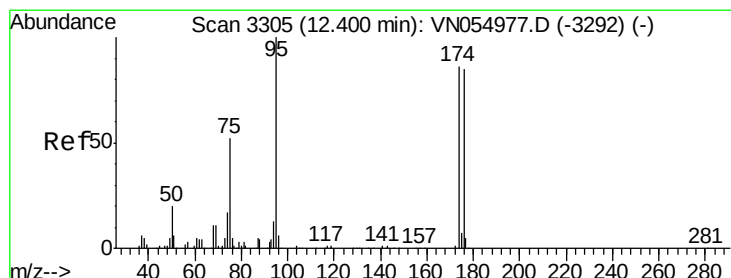
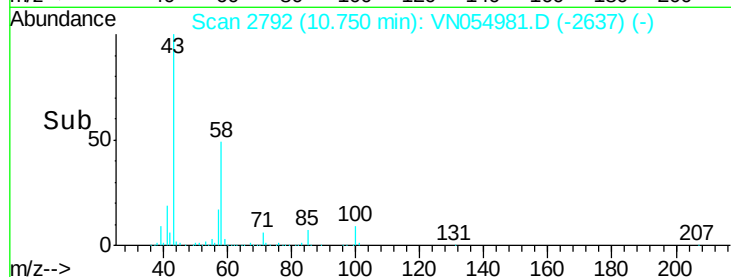
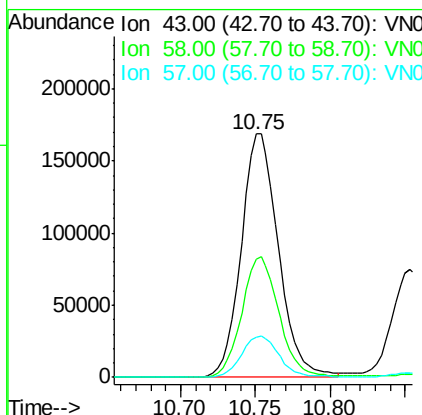
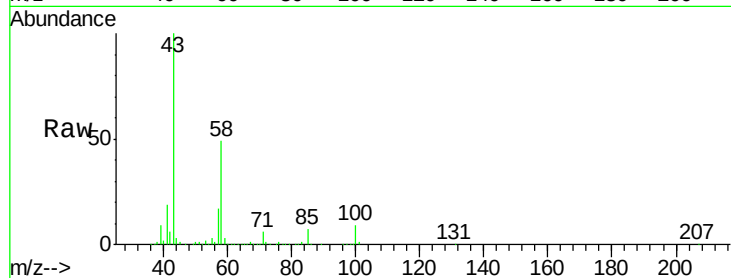
#59
2-Hexanone
Concen: 105.219 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.8	58.2
57	17.5	13.8	20.6

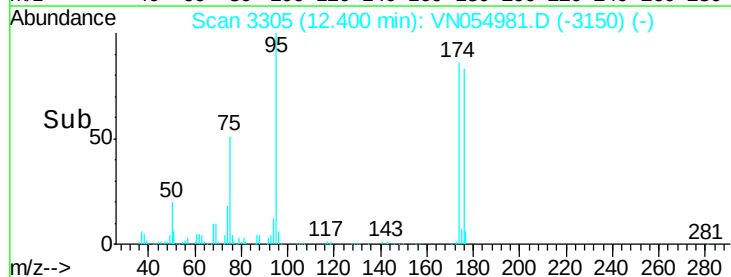
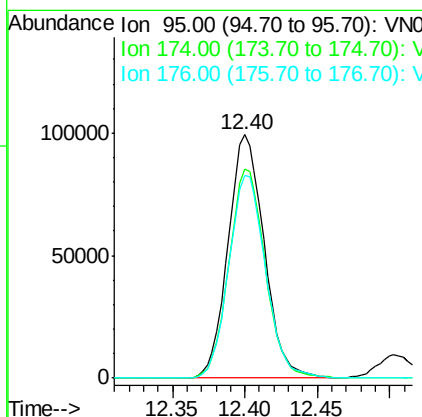
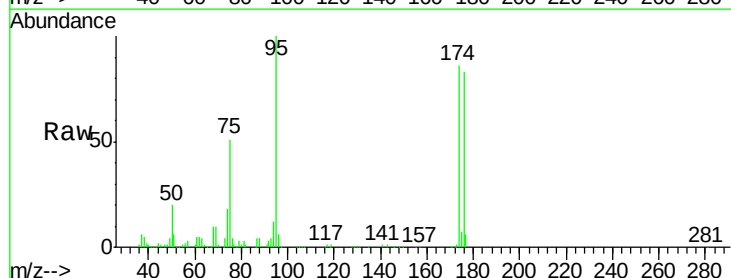
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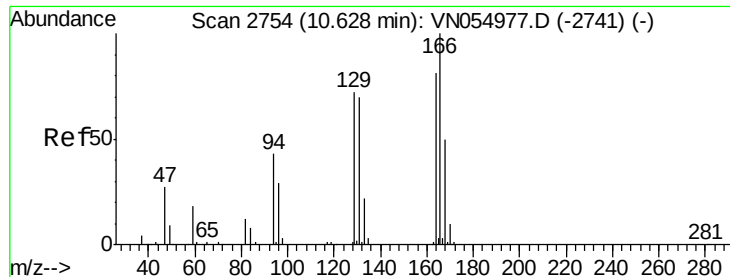
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 105.219 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.2	69.4	104.2
176	84.7	67.4	101.2





#61

Tetrachloroethene

Concen: 19.602 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

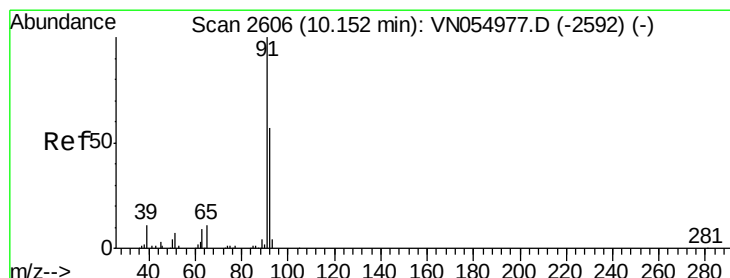
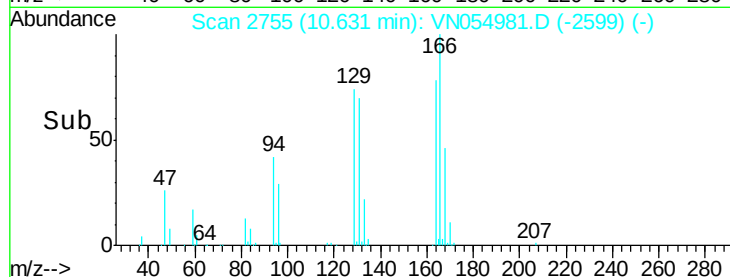
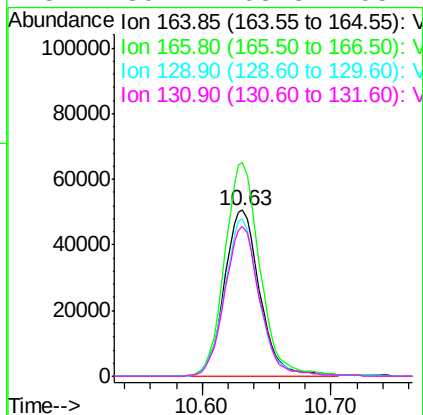
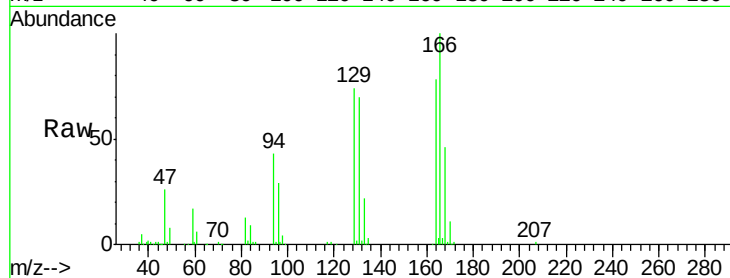
ClientSampleId :

ICVVN041119

Tot Ion:	164	Resp:	96183
Ion	Ratio	Lower	Upper
164	100		
166	128.6	99.0	148.4
129	94.5	71.4	107.0
131	89.7	68.8	103.2

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#62

Toluene

Concen: 19.947 ug/l

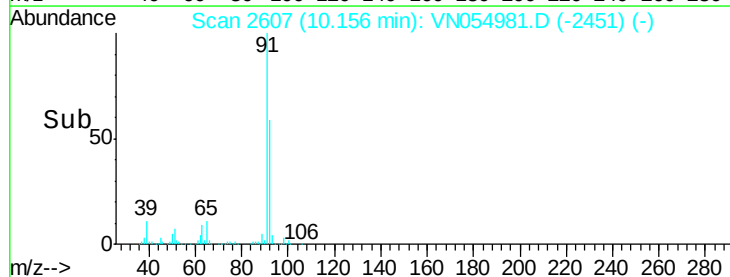
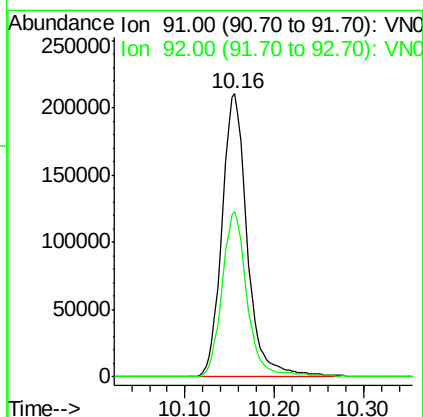
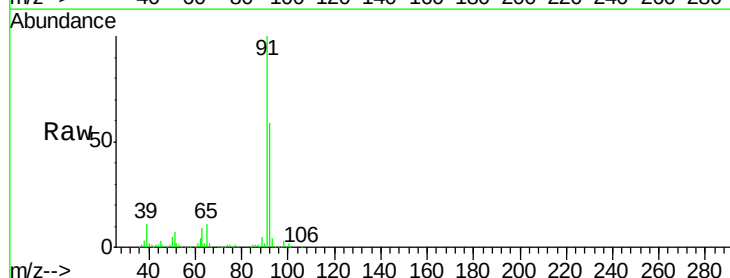
RT: 10.16 min Scan# 2607

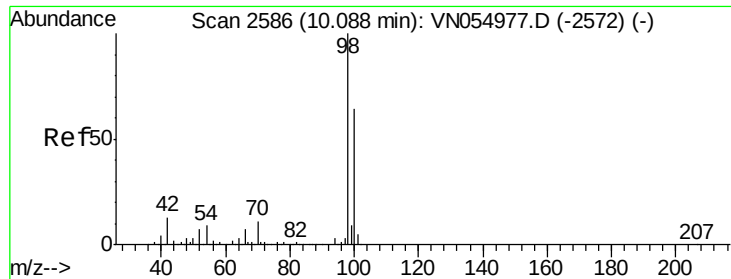
Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	91	Resp:	414397
Ion	Ratio	Lower	Upper
91	100		
92	57.9	44.8	67.2





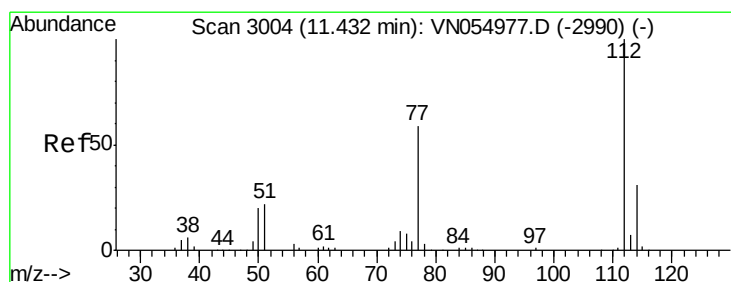
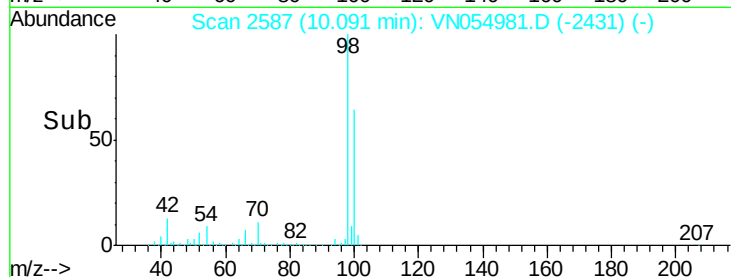
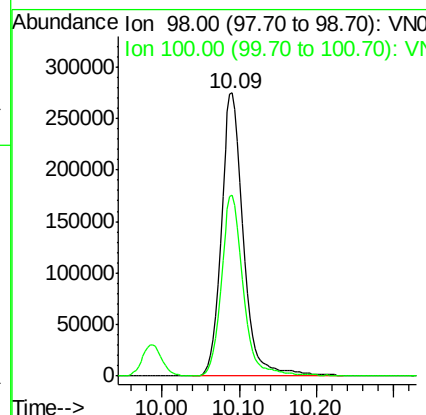
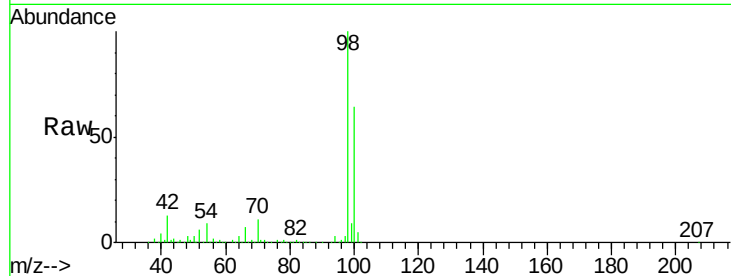
#63
Toluene-d8
Concen: 19.947 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion: 98 Resp: 551834
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7

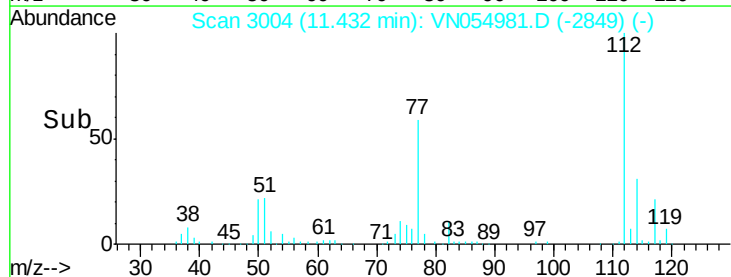
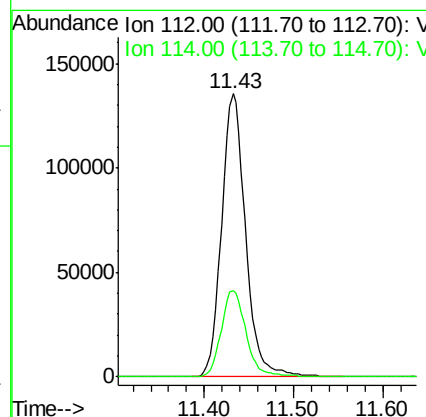
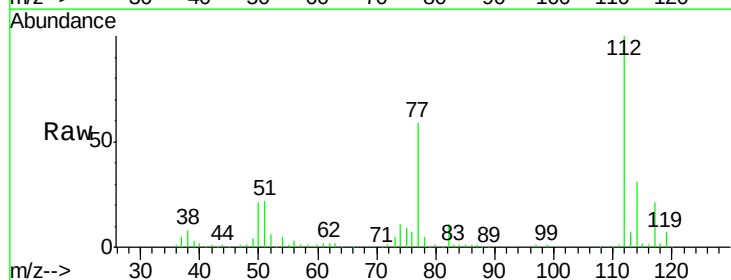
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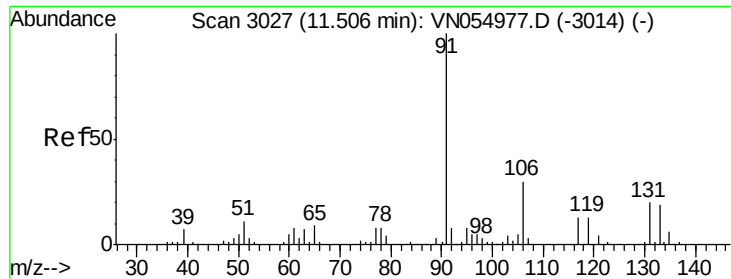
MMDadoda
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#64
Chlorobenzene
Concen: 20.114 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 112 Resp: 252270
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 19.595 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

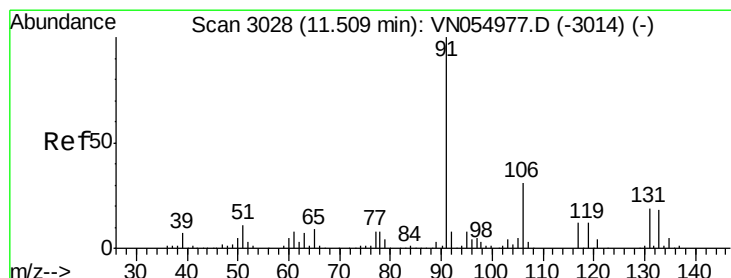
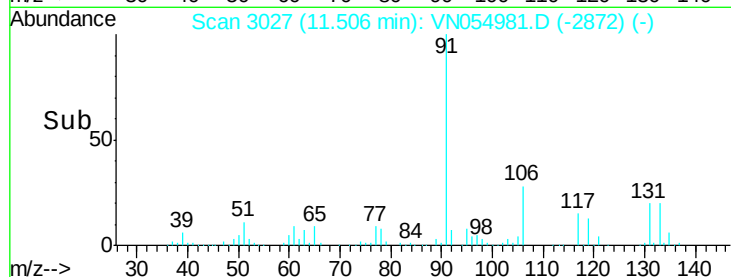
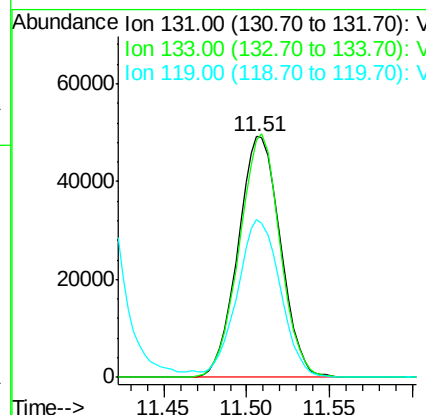
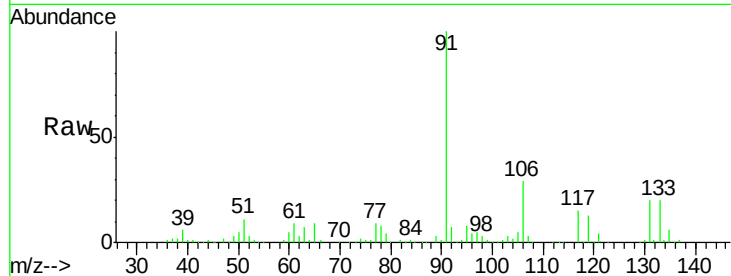
ClientSampleId :

ICVVN041119

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.1	0.0	187.8
119	66.8	0.0	131.4

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#66

Ethyl Benzene

Concen: 19.900 ug/l

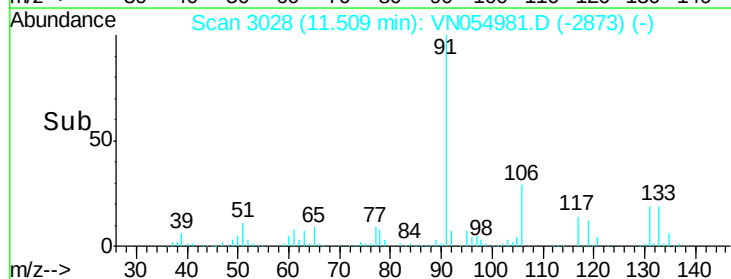
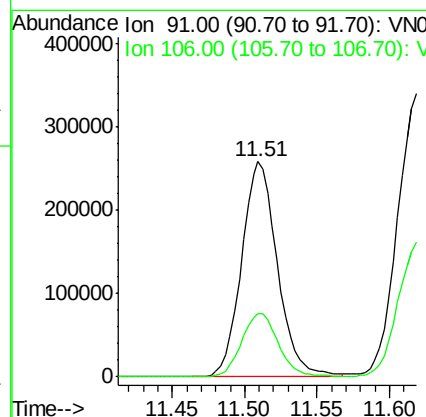
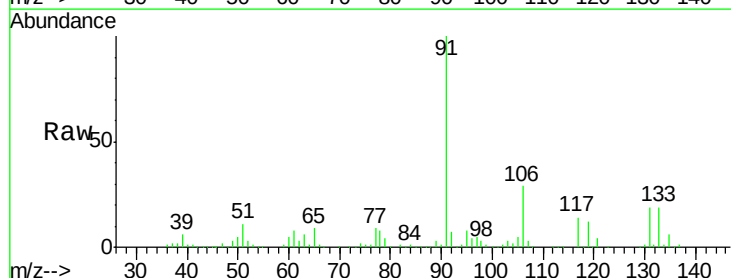
RT: 11.51 min Scan# 3028

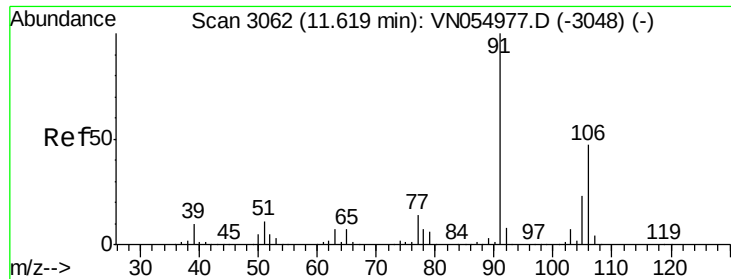
Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.6	36.8





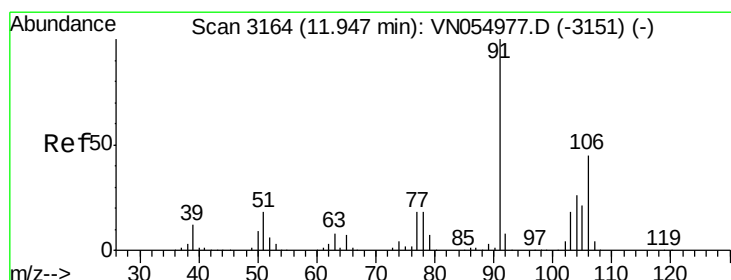
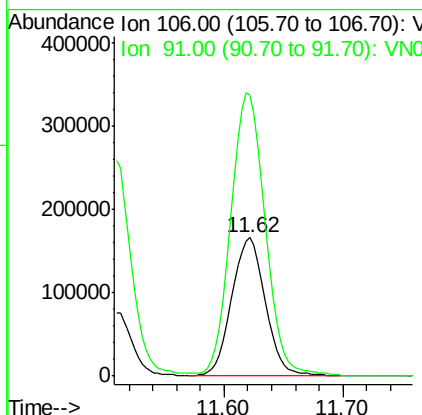
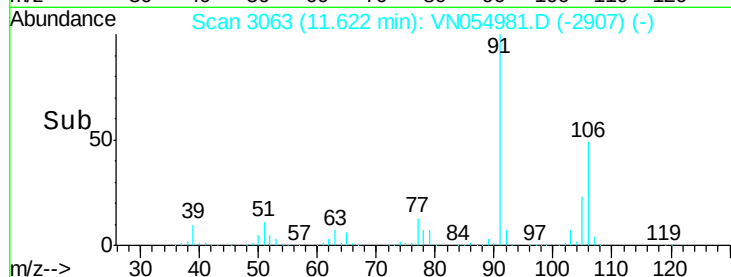
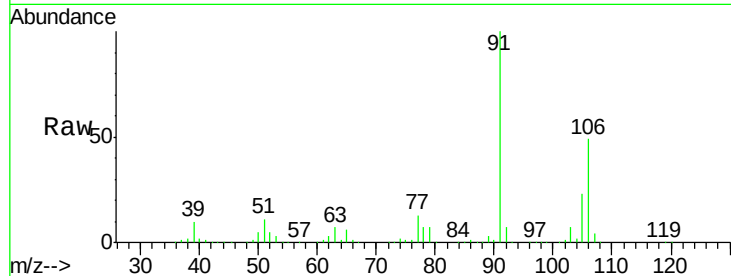
#67
m/p-Xylenes
Concen: 39.267 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion:106 Resp: 325043
Ion Ratio Lower Upper
106 100
91 209.7 167.4 251.2

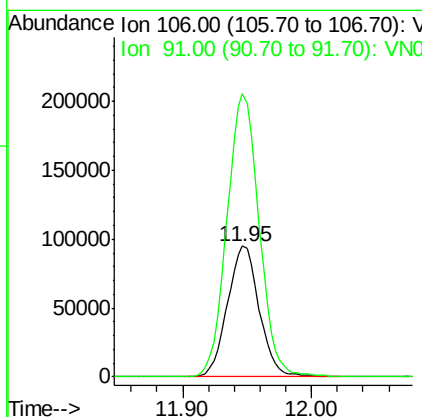
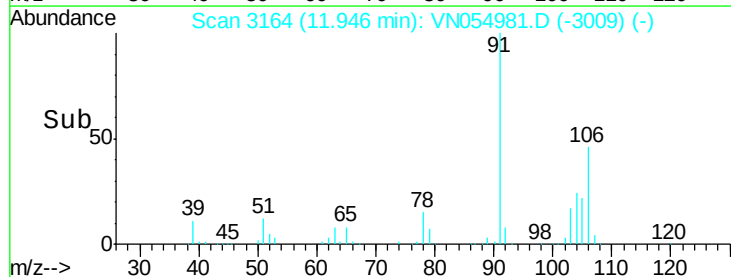
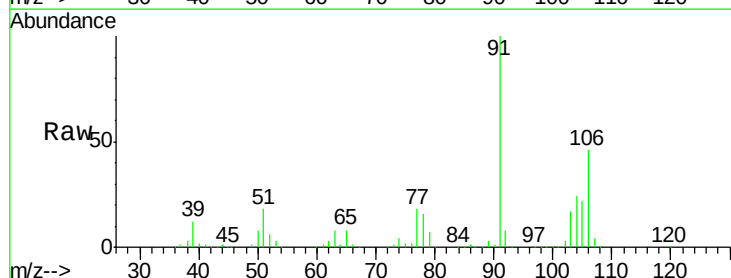
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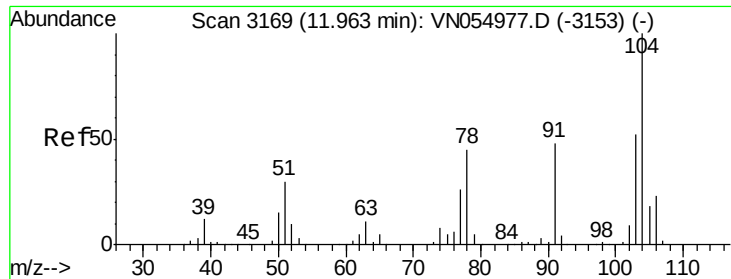
MMDadoda
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#68
o-Xylene
Concen: 19.874 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:106 Resp: 162575
Ion Ratio Lower Upper
106 100
91 219.4 110.3 330.8





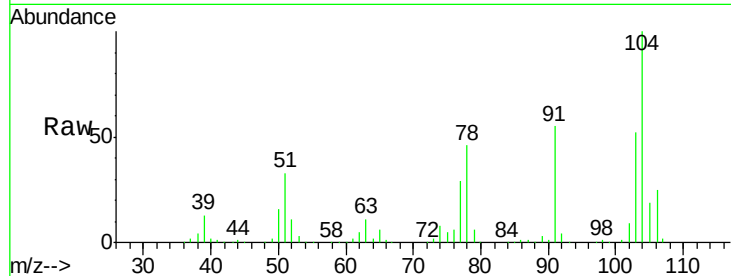
#69
Stvrene
Concen: 19.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVFN041119

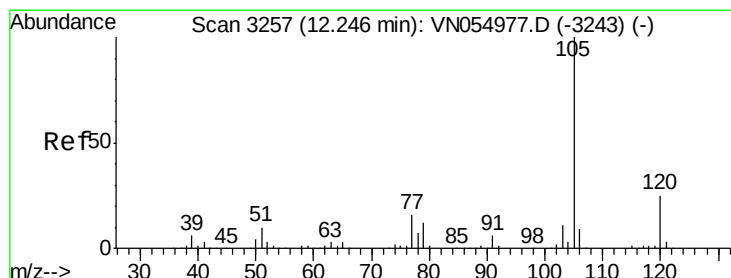
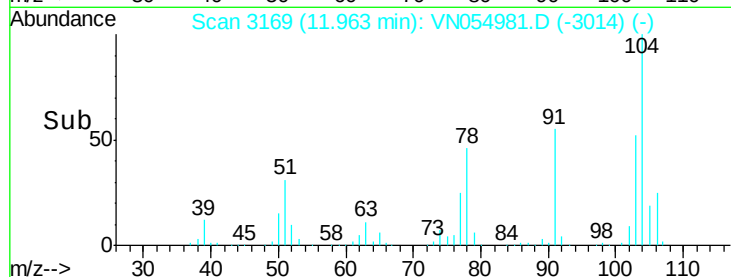
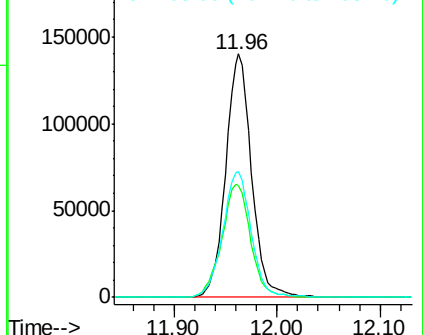
Tot Ion	Ratio	Resp	Lower	Upper
104	100	245287		
78	51.8		41.2	61.8
103	56.6		44.6	67.0

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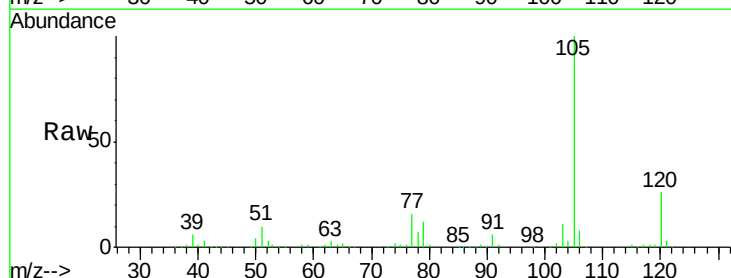


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

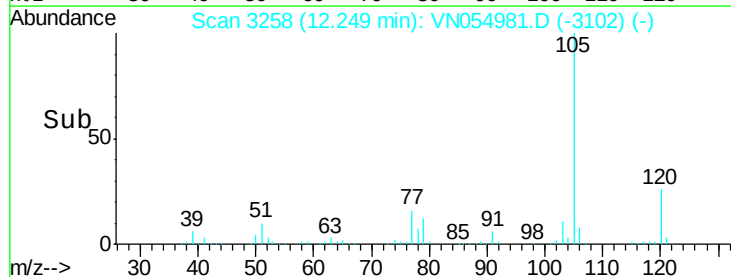
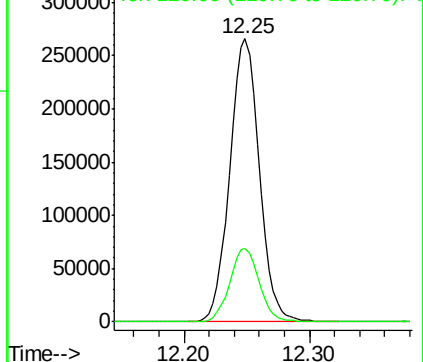


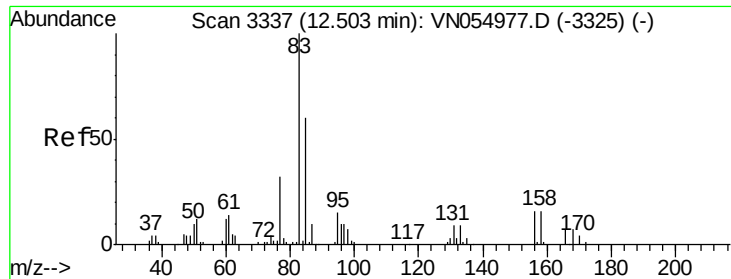
#70
Isopropylbenzene
Concen: 19.855 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	434261		
120	26.0		18.3	33.9



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





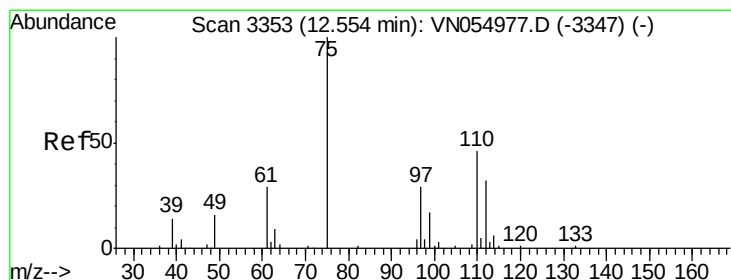
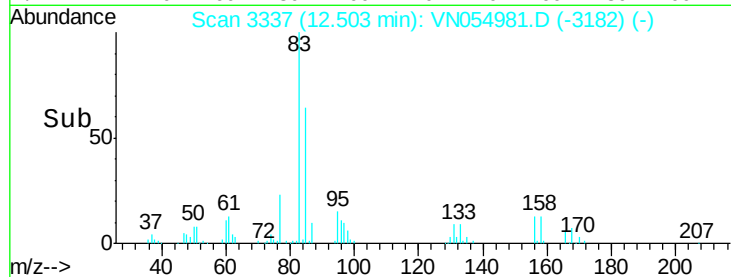
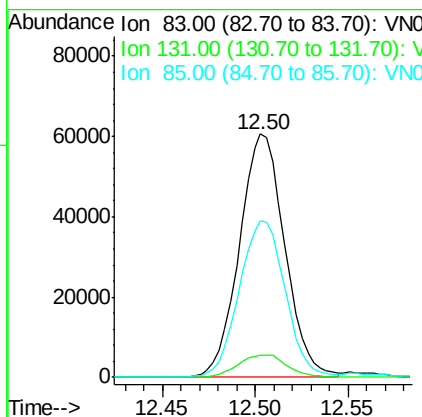
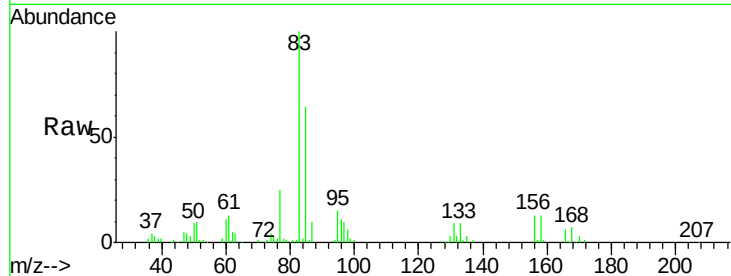
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.546 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.6	13.8	
85	65.3	30.9	92.5	

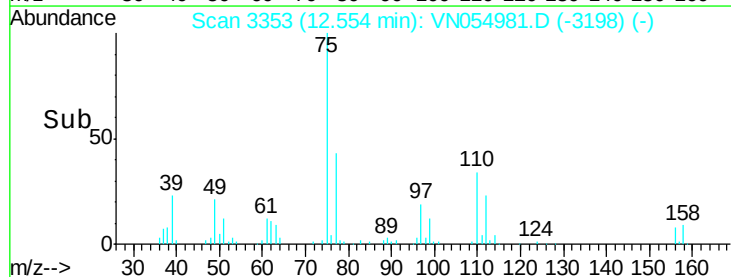
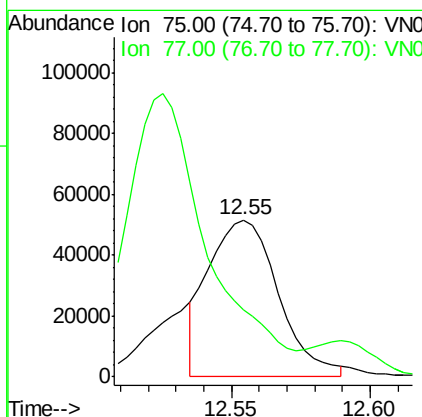
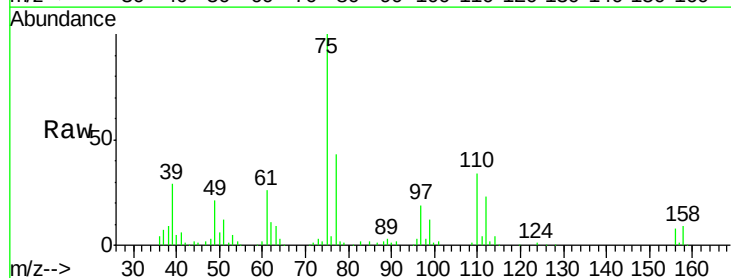
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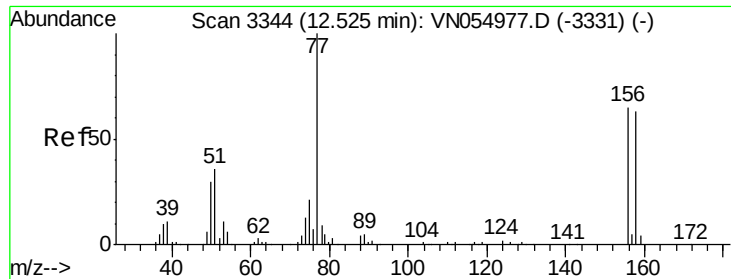
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#72
 1,2,3-Trichloropropane
 Concen: 22.040 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	210.4	0.0	466.6	





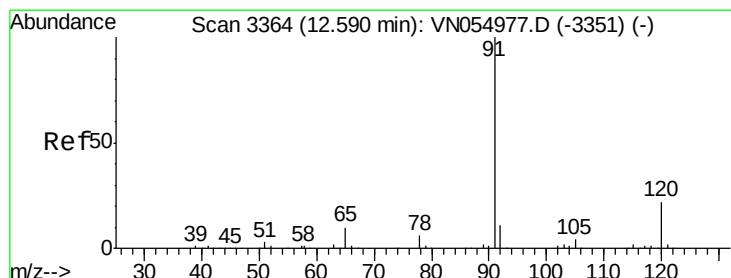
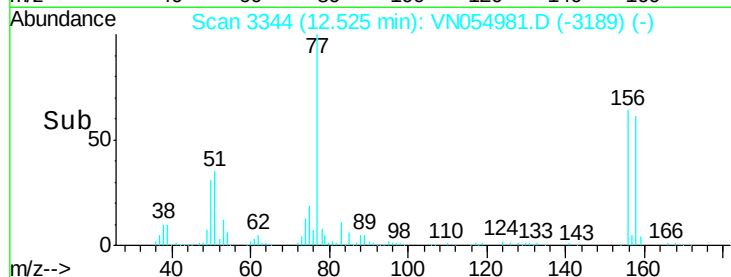
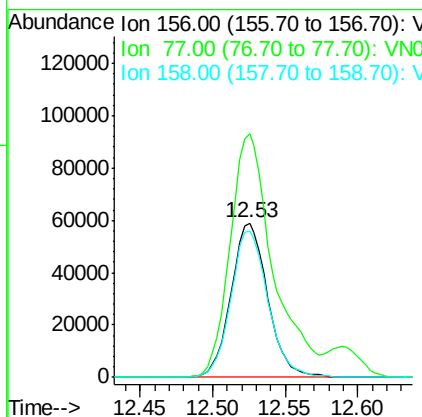
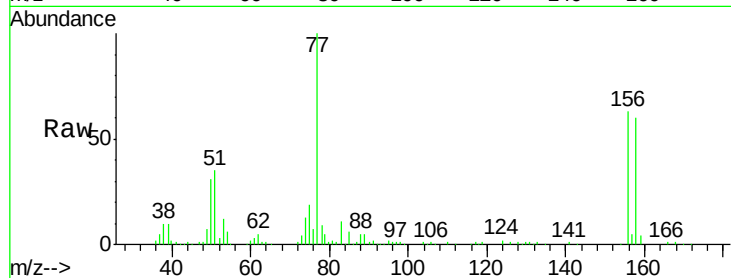
#73
Bromobenzene
Concen: 19.931 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		103037		
77	185.9	0.0	383.2		
158	96.6	0.0	193.8		

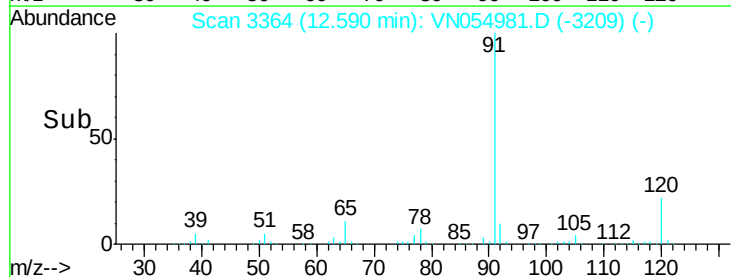
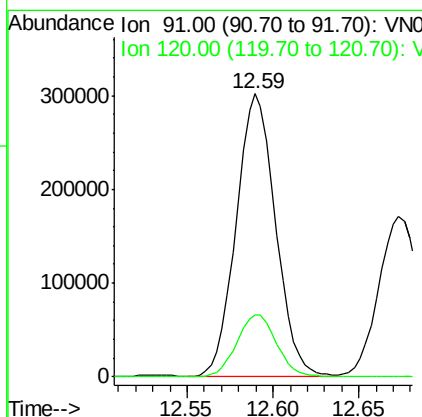
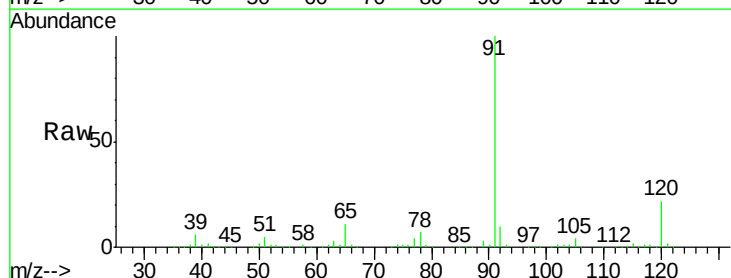
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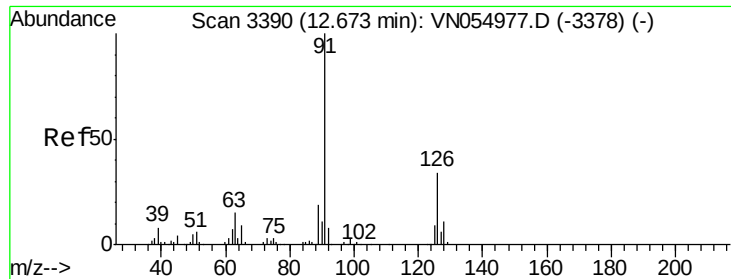
MMDadoda
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#74
n-propylbenzene
Concen: 19.638 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		480836		
120	22.2	0.0	44.4		





#75

2-Chlorotoluene

Concen: 19.738 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion: 91 Resp: 291475

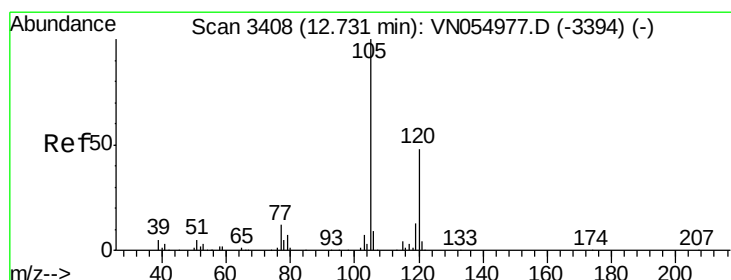
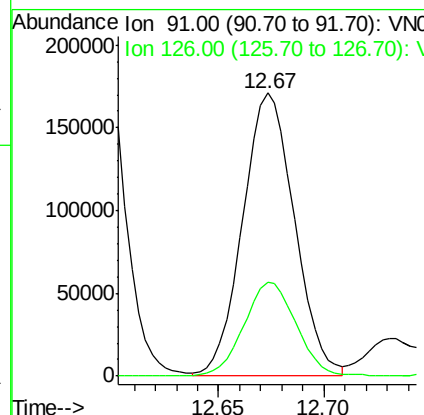
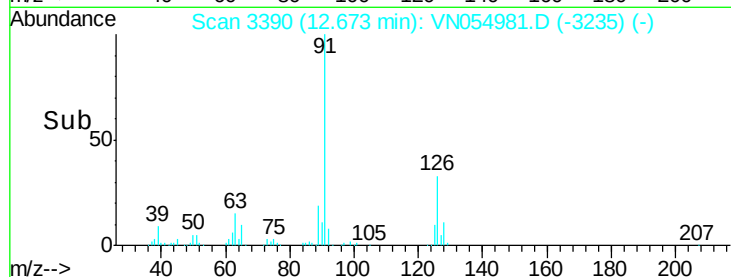
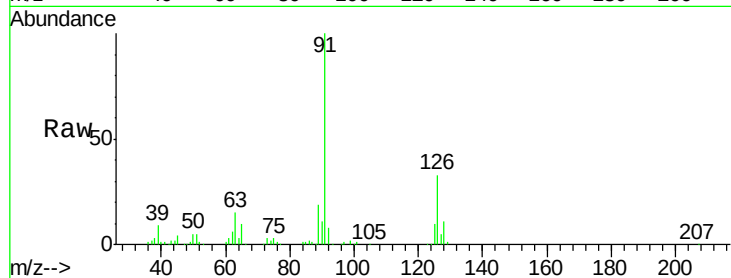
Ion Ratio Lower Upper

91 100

126 33.6 0.0 67.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.582 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054981.D

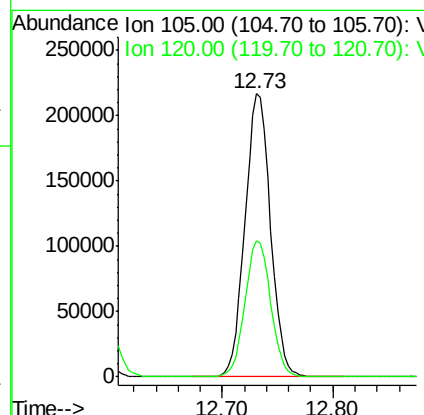
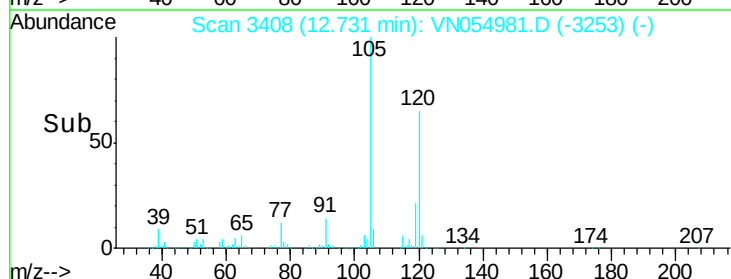
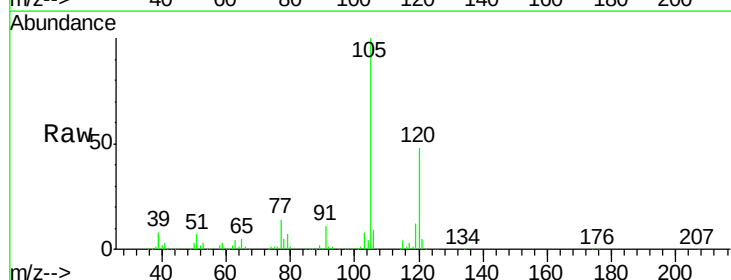
Acq: 11 Apr 2019 16:39

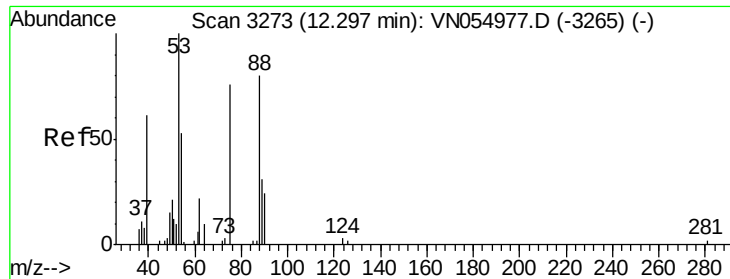
Tgt Ion:105 Resp: 346259

Ion Ratio Lower Upper

105 100

120 48.8 0.0 94.8





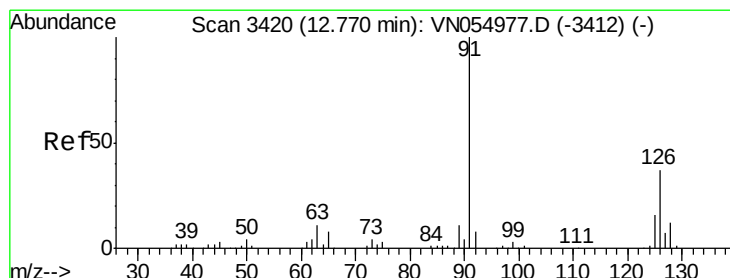
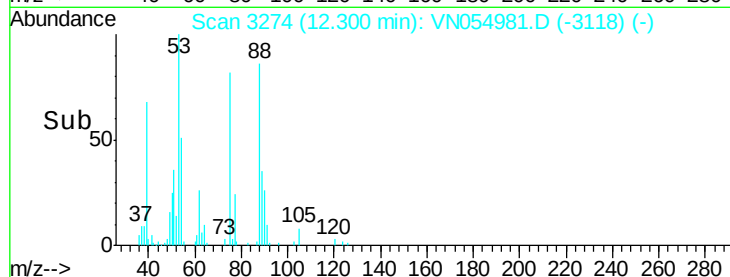
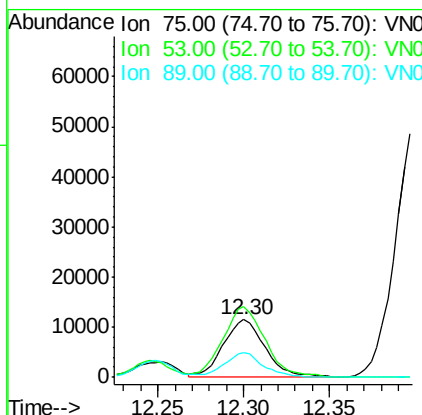
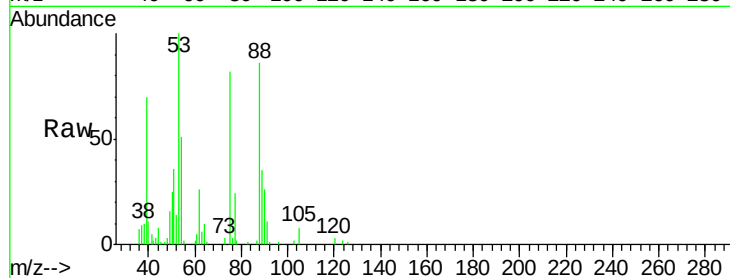
#77
t-1,4-Dichloro-2-butene
Concen: 18.918 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.7	64.3	192.7
89	42.8	21.6	65.0

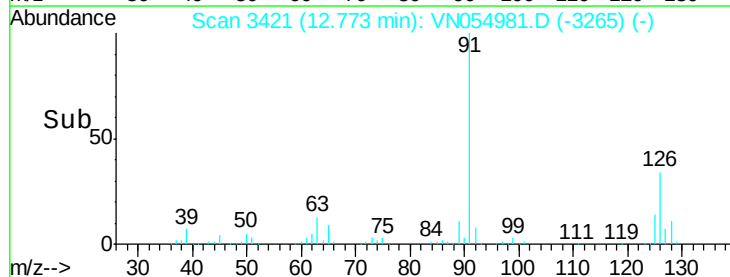
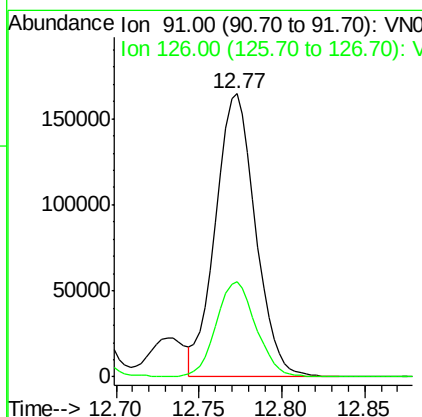
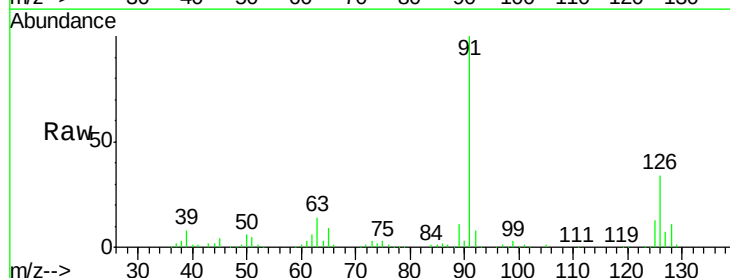
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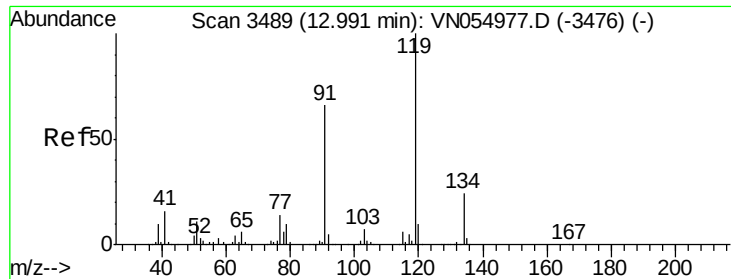
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.578 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	66.6





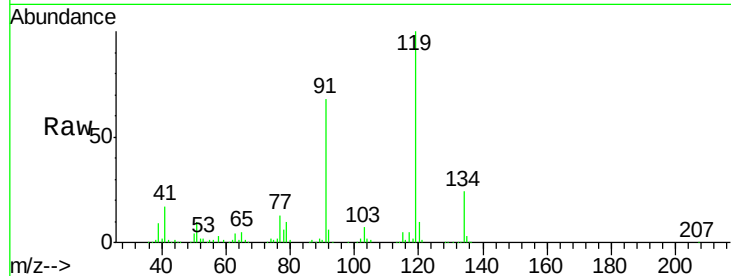
#79
tert-butylbenzene
Concen: 19.830 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

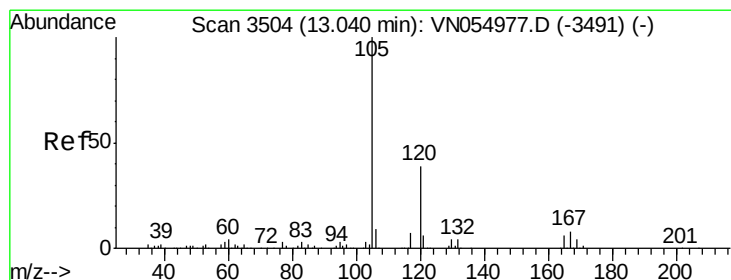
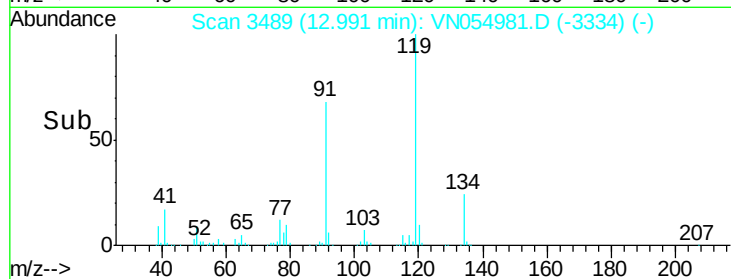
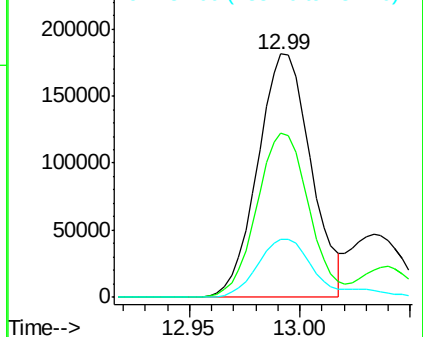
Tot Ion	Ratio	Resp	Lower	Upper
119	100	303400		
91	66.1	0.0	132.6	
134	24.3	0.0	47.6	

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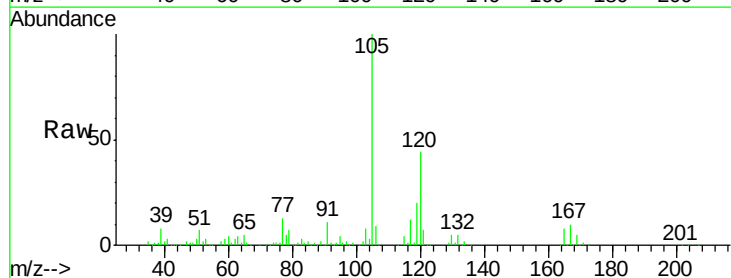


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

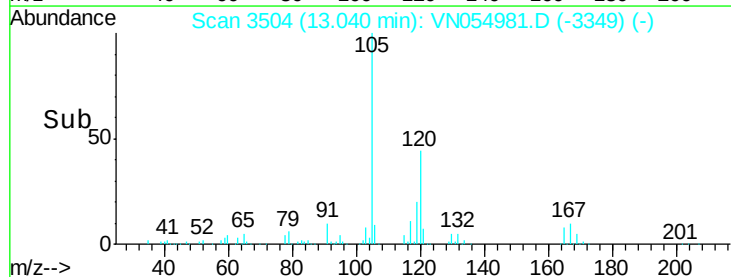
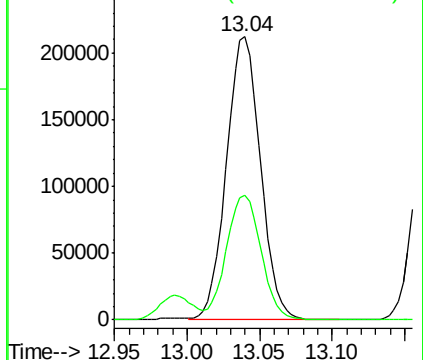


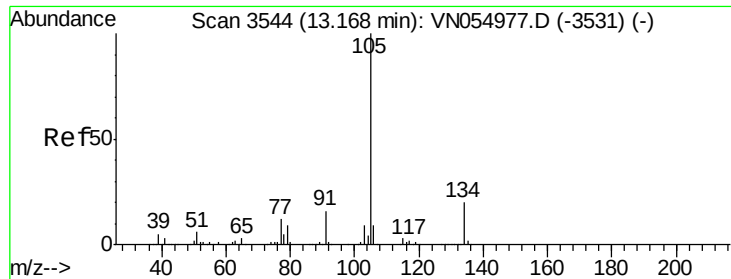
#80
1,2,4-Trimethylbenzene
Concen: 19.893 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345559		
120	44.8	0.0	91.4	



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





#81

sec-Butylbenzene

Concen: 20.194 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

Tot Ion:105 Resp: 412833

Ion Ratio Lower Upper

105 100

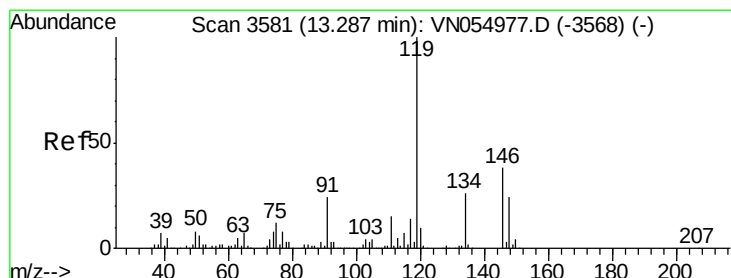
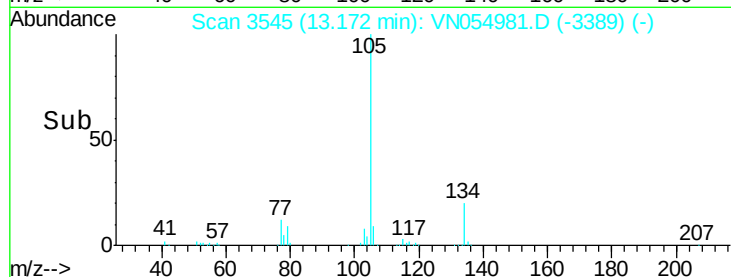
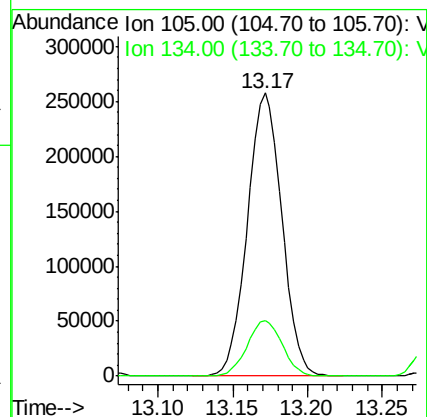
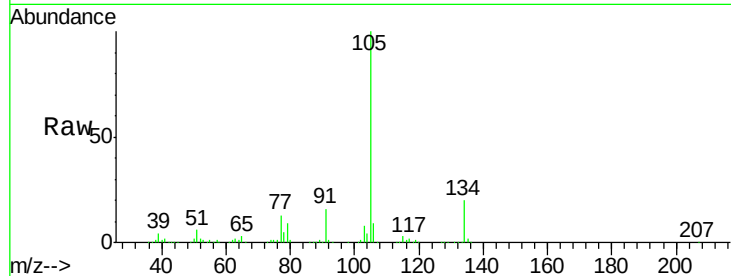
134 20.0 0.0 40.0

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#82

p-Isopropyltoluene

Concen: 19.811 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

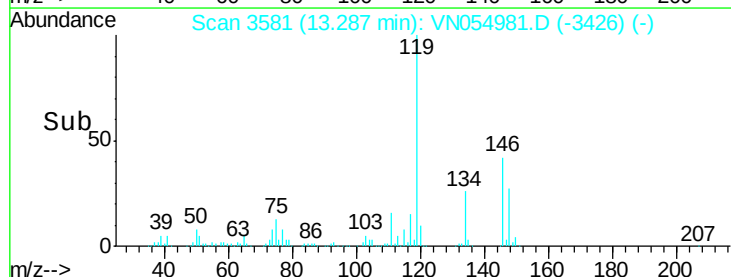
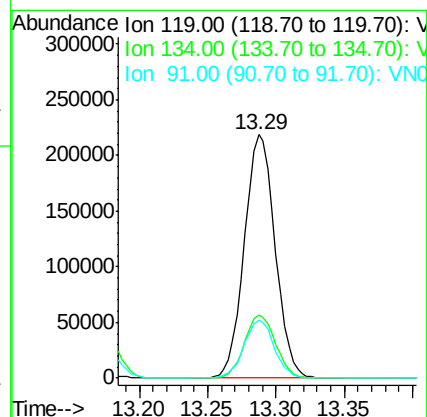
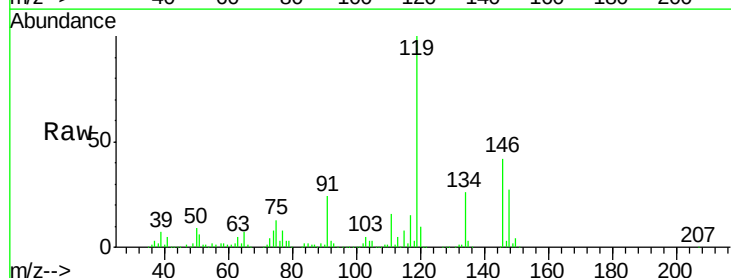
Tgt Ion:119 Resp: 341802

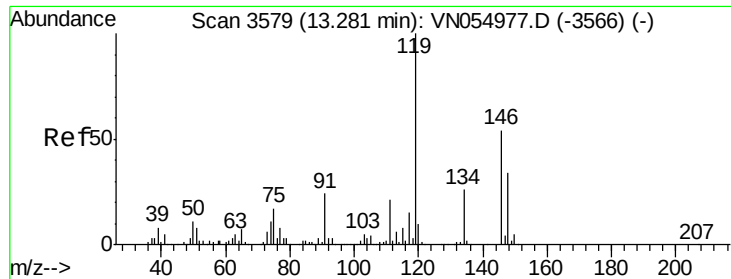
Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.2

91 23.4 0.0 47.8





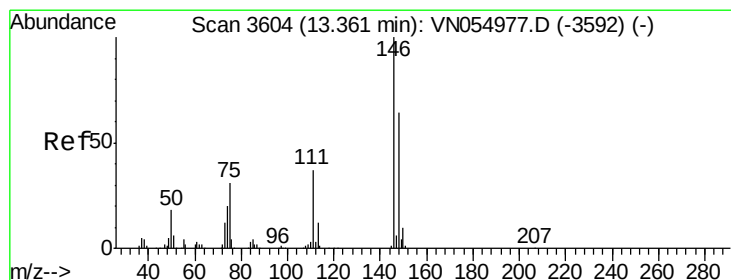
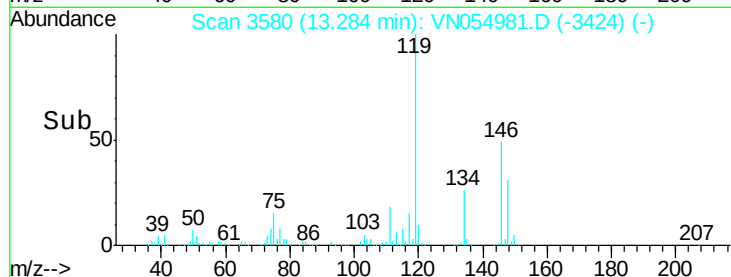
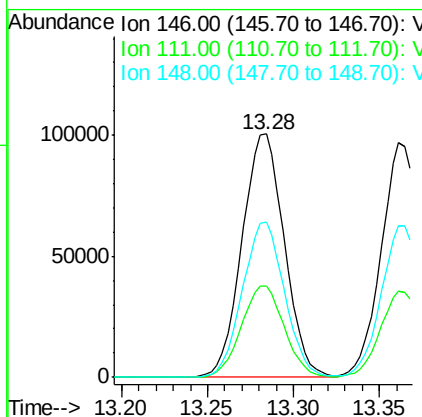
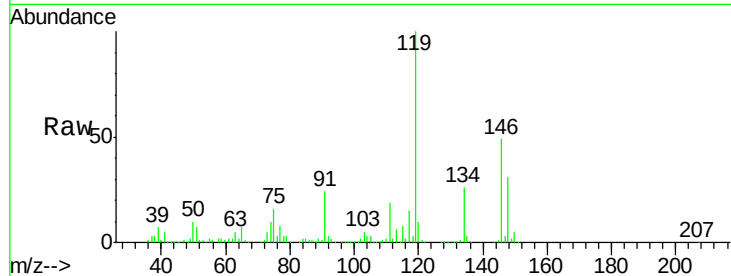
#83
 1,3-Dichlorobenzene
 Concen: 19.893 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN041119

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	63.4	31.9	95.5

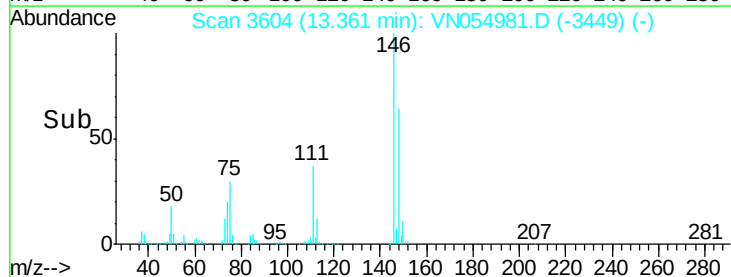
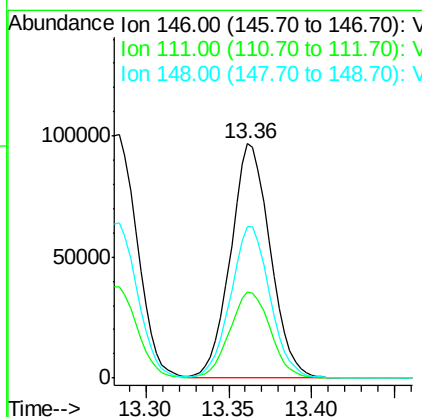
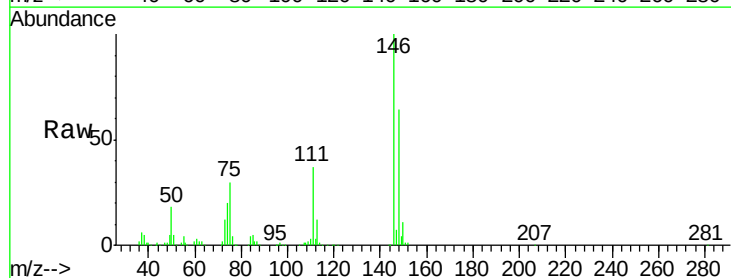
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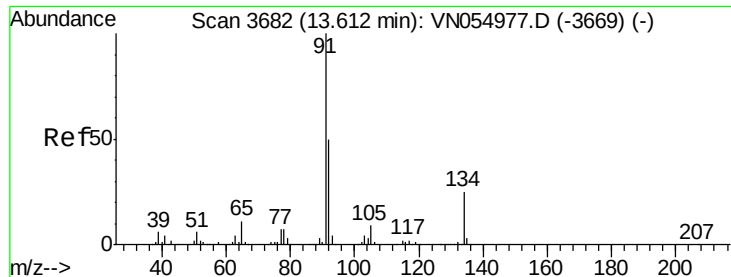
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#84
 1,4-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	64.4	32.5	97.4





#85

n-Butylbenzene

Concen: 19.448 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

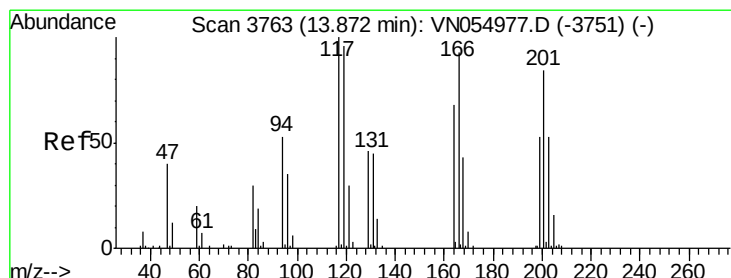
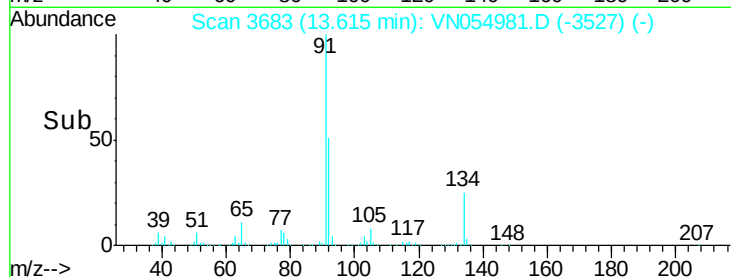
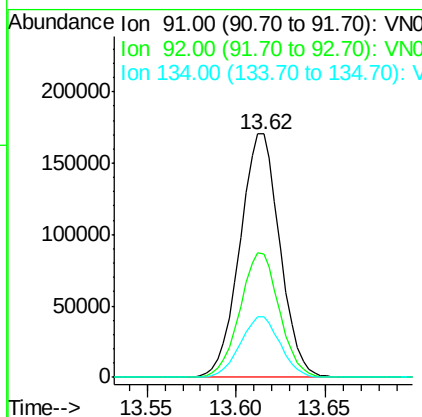
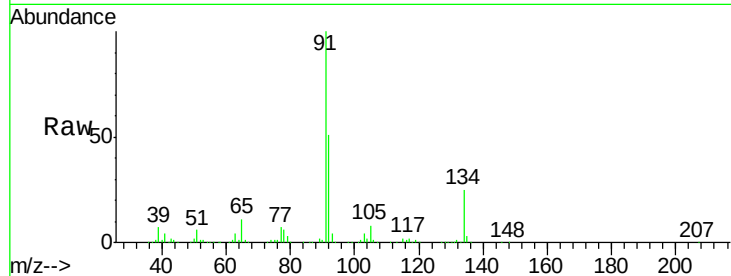
ClientSampleId :

ICVVN041119

Tot Ion:	91	Resp:	267285
Ion Ratio	Lower	Upper	
91	100		
92	50.5	0.0	101.4
134	24.9	0.0	49.8

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#86

Hexachloroethane

Concen: 18.459 ug/l

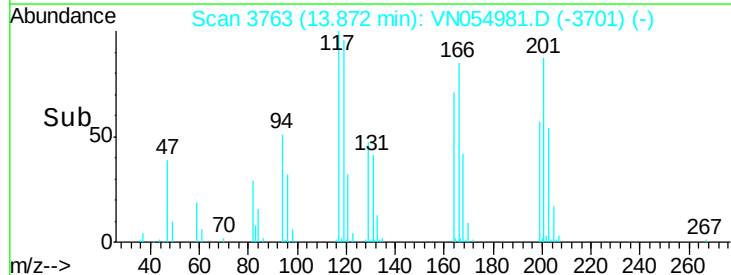
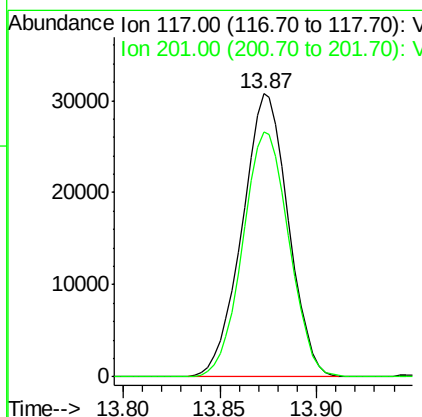
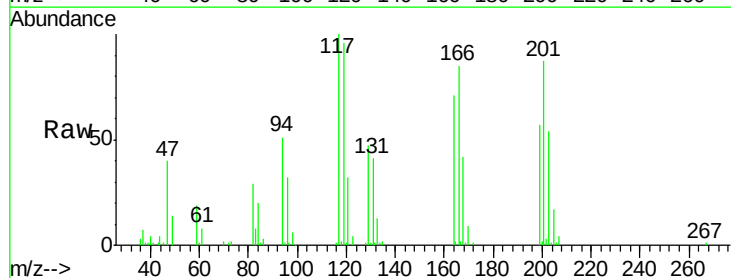
RT: 13.87 min Scan# 3763

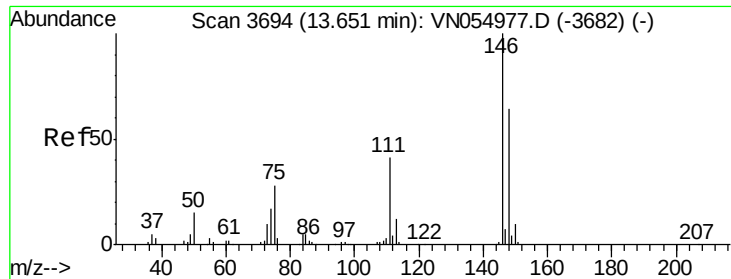
Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Tgt Ion:	117	Resp:	50983
Ion Ratio	Lower	Upper	
117	100		
201	86.7	42.8	128.3





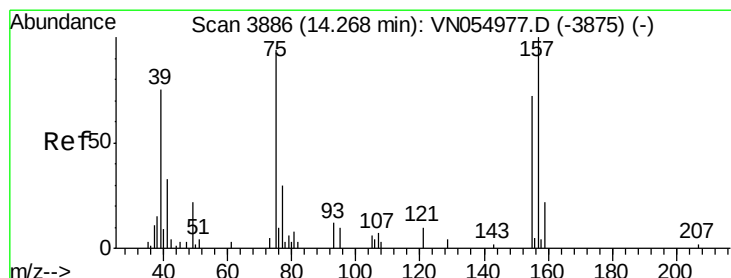
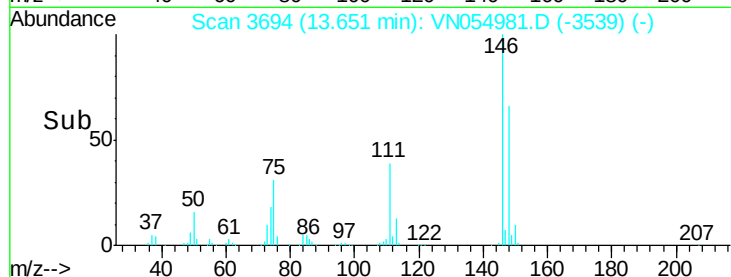
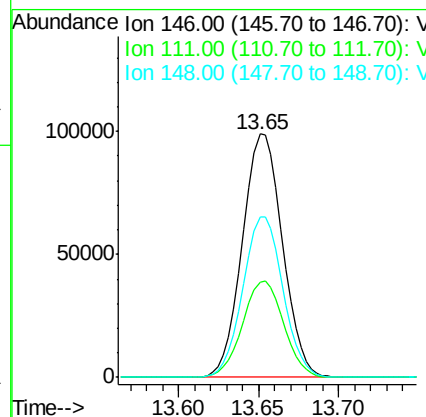
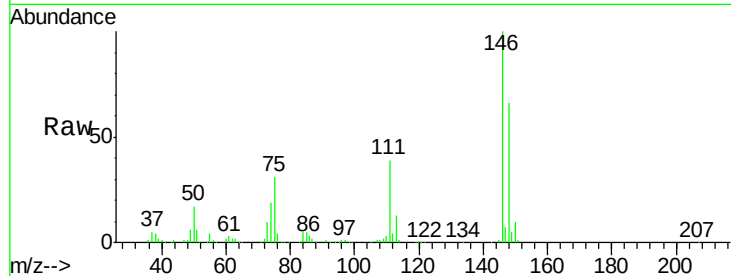
#87
 1,2-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	65.9	32.5	97.5

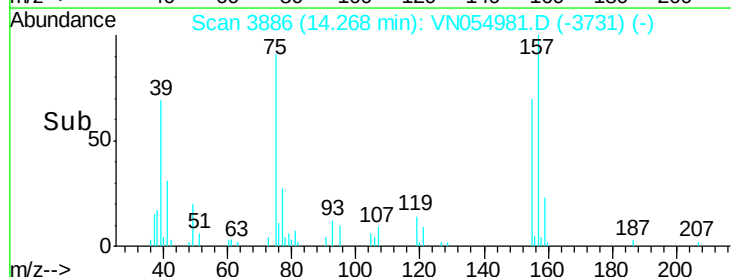
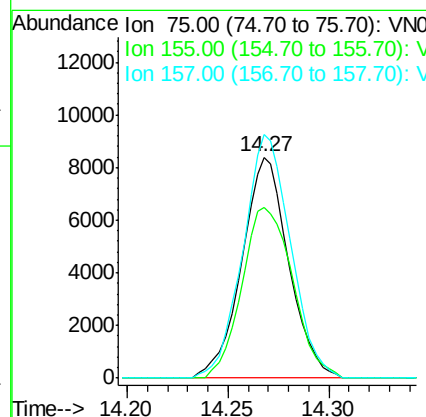
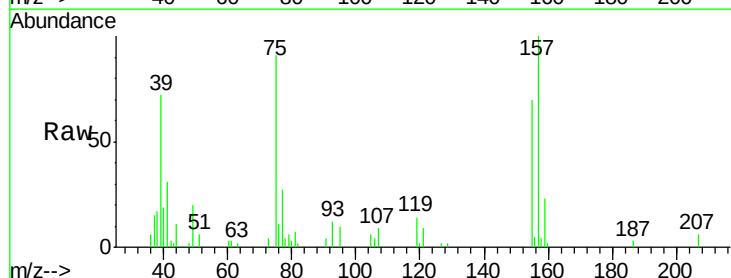
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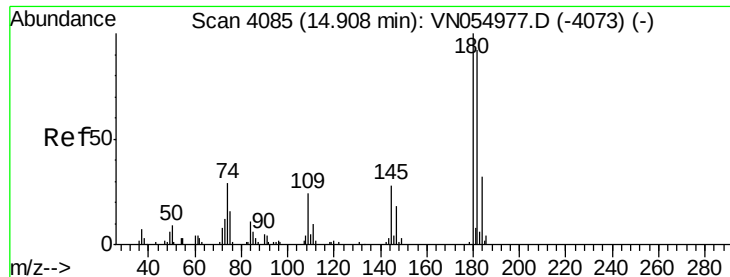
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.519 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	61.8	92.8
157	112.0	82.7	124.1





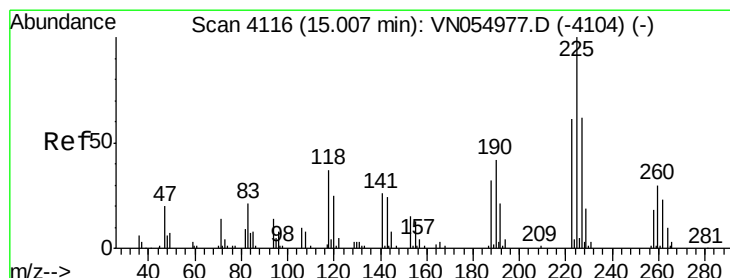
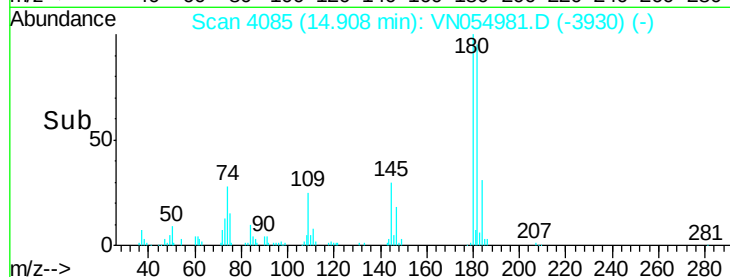
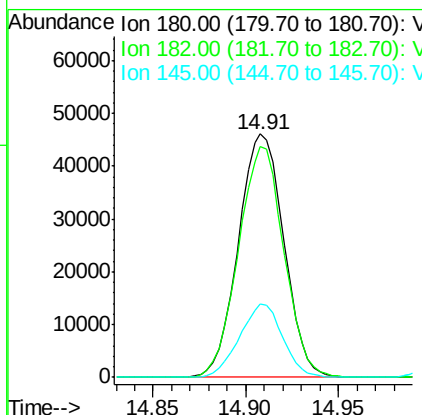
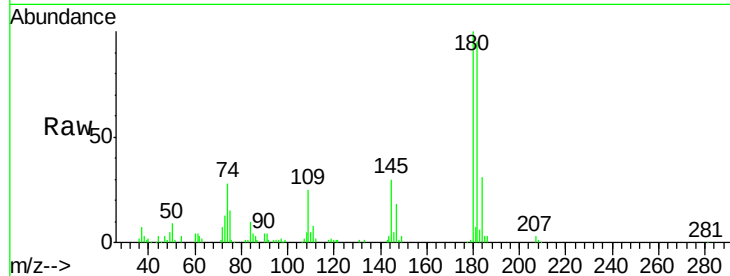
#89
 1,2,4-Trichlorobenzene
 Concen: 20.739 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	73.2	109.8
145	28.6	23.2	34.8

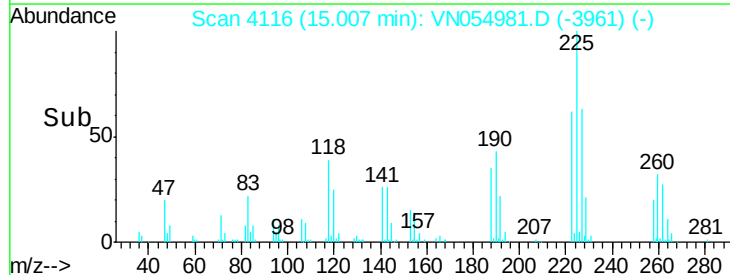
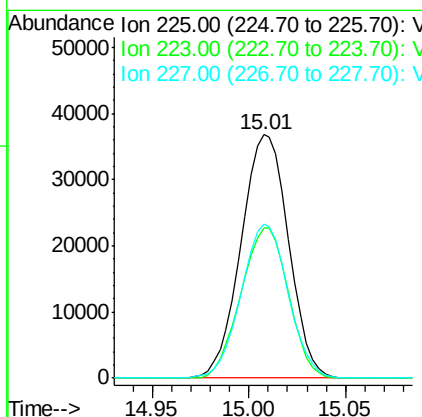
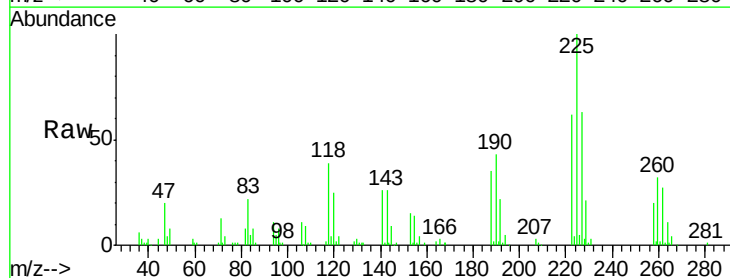
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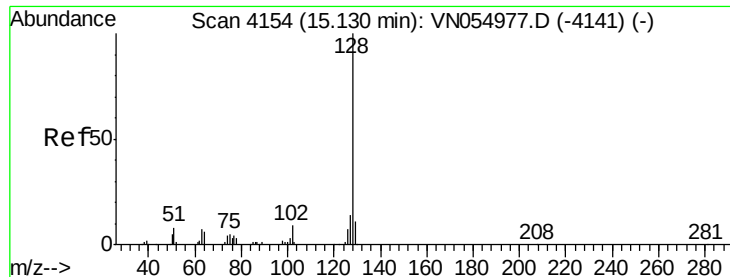
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#90
 Hexachlorobutadiene
 Concen: 22.802 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	0.0	126.0
227	62.7	0.0	125.4





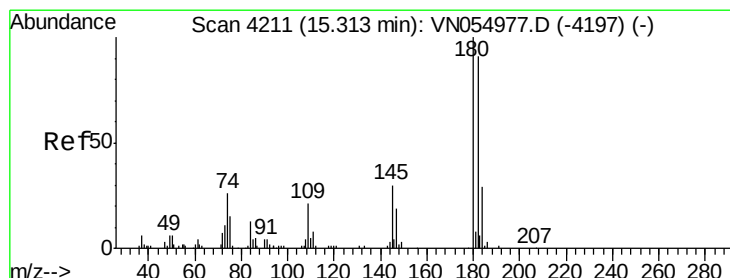
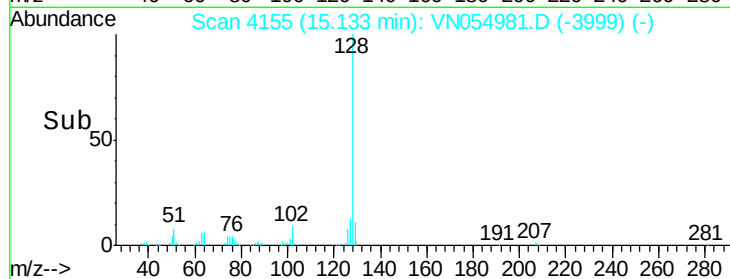
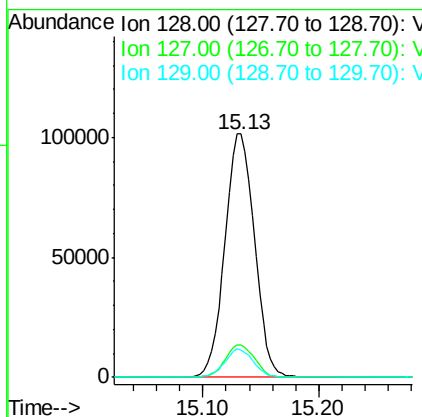
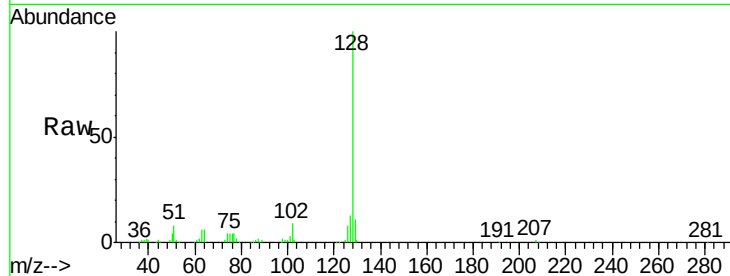
#91
Naphthalene
Concen: 22.605 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.2	9.0	13.6

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#92
1,2,3-Trichlorobenzene
Concen: 21.499 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	188.2
145	30.9	0.0	61.2

