

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054179.D
 Acq On : 12 Mar 2019 23:05
 Operator : JC/SP
 Sample : VN0312WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:18 AM

Quant Time: Mar 13 08:16:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1452285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2219414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1954346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	929472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	775018	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.59	113	704853	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.09	98	2549160	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	890107	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290079	21.075	ug/l	98
3) Chloromethane	2.06	50	279217	20.884	ug/l	100
4) Vinyl Chloride	2.19	62	318009	20.810	ug/l	97
5) Bromomethane	2.57	94	215287	20.341	ug/l	96
6) Chloroethane	2.71	64	180743	19.548	ug/l	99
7) Trichlorofluoromethane	3.02	101	397800	19.579	ug/l	99
8) Diethyl Ether	3.41	74	198709	21.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	321413	21.111	ug/l	99
10) Methyl Iodide	3.94	142	358632	17.587	ug/l	99
11) Tert butyl alcohol	4.82	59	106190	100.432	ug/l	100
12) 1,1-Dichloroethene	3.73	96	322363	21.366	ug/l	98
13) Acrolein	3.61	56	75327	75.183	ug/l	100
14) Allyl chloride	4.32	41	395596	20.436	ug/l	99
15) Acrylonitrile	4.99	53	461748	106.315	ug/l	99
16) Acetone	3.82	43	357136	80.872	ug/l	98
17) Carbon Disulfide	4.04	76	765970	20.252	ug/l	99
18) Methyl Acetate	4.33	43	200098	22.396	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	804014	21.499	ug/l	100
20) Methylene Chloride	4.55	84	303349	20.920	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	300160	20.764	ug/l	99
22) Diisopropyl ether	5.96	45	809552	20.954	ug/l	99
23) Vinyl Acetate	5.90	43	2996670	105.198	ug/l	99
24) 1,1-Dichloroethane	5.85	63	522724	21.072	ug/l	99
25) 2-Butanone	6.85	43	515439	99.446	ug/l	99
26) 2,2-Dichloropropane	6.82	77	380564	17.445	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	348655	21.619	ug/l	98
28) Bromochloromethane	7.19	49	197990	19.523	ug/l	97
29) Tetrahydrofuran	7.22	42	353291	106.013	ug/l	99
30) Chloroform	7.37	83	559830	21.627	ug/l	99
31) Cyclohexane	7.65	56	472762	19.639	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	490478	20.980	ug/l	99
36) 1,1-Dichloropropene	7.79	75	405815	19.855	ug/l	99
37) Ethyl Acetate	6.94	43	241759	20.586	ug/l	99
38) Carbon Tetrachloride	7.77	117	418277	19.515	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	493006	19.605	ug/l	99
40) Benzene	8.04	78	1217463	20.816	ug/l	99
41) Methacrylonitrile	7.18	41	121191	18.074	ug/l	94
42) 1,2-Dichloroethane	8.12	62	411251	20.827	ug/l	99
43) Isopropyl Acetate	8.17	43	414949	20.130	ug/l	99
44) Trichloroethene	8.83	130	376767	20.737	ug/l	98
45) 1,2-Dichloropropane	9.12	63	300609	20.699	ug/l	99
46) Dibromomethane	9.21	93	206745	21.069	ug/l	98
47) Bromodichloromethane	9.40	83	401772	20.424	ug/l	99
48) Methyl methacrylate	9.20	41	220819	21.108	ug/l	99
49) 1,4-Dioxane	9.21	88	61200	413.591	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1137808	104.300	ug/l	99
52) Toluene	10.16	92	769626	20.753	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	390819	18.666	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	454558	19.829	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	281284	20.772	ug/l	99
56) Ethyl methacrylate	10.43	69	330895	20.494	ug/l	98
57) 1,3-Dichloropropane	10.71	76	459545	20.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	605606	97.463	ug/l	100
59) 2-Hexanone	10.75	43	718567	98.992	ug/l	100
60) Dibromochloromethane	10.90	129	305063	20.015	ug/l	99
61) 1,2-Dibromoethane	11.01	107	286587	20.826	ug/l	99
64) Tetrachloroethene	10.63	164	392237	20.758	ug/l	100
65) Chlorobenzene	11.43	112	885619	20.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	317693	20.380	ug/l	99
67) Ethyl Benzene	11.51	91	1442335	20.276	ug/l	100
68) m/p-Xylenes	11.62	106	1135331	40.836	ug/l	100
69) o-Xylene	11.95	106	555171	20.484	ug/l	99
70) Styrene	11.96	104	879066	20.681	ug/l	100
71) Bromoform	12.13	173	201014	18.471	ug/l #	99
73) Isopropylbenzene	12.25	105	1484119	19.958	ug/l	100
74) N-amyl acetate	12.07	43	331209	20.066	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	316159	19.955	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	305343m	22.339	ug/l	
77) Bromobenzene	12.53	156	389781	19.808	ug/l	99
78) n-propylbenzene	12.59	91	1606098	19.905	ug/l	100
79) 2-Chlorotoluene	12.67	91	965213	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1228637	19.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68142	17.042	ug/l	92
82) 4-Chlorotoluene	12.77	91	959283	19.802	ug/l	99
83) tert-Butylbenzene	12.99	119	1131407	19.872	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1233499	20.327	ug/l	99
85) sec-Butylbenzene	13.17	105	1473357	19.955	ug/l	100
86) p-Isopropyltoluene	13.29	119	1297504	20.031	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	671743	20.259	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	659901	20.259	ug/l	99
89) n-Butylbenzene	13.61	91	993001	20.176	ug/l	100
90) Hexachloroethane	13.87	117	197946	18.455	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	673140	20.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48365	19.727	ug/l	98

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ClientSampleId :
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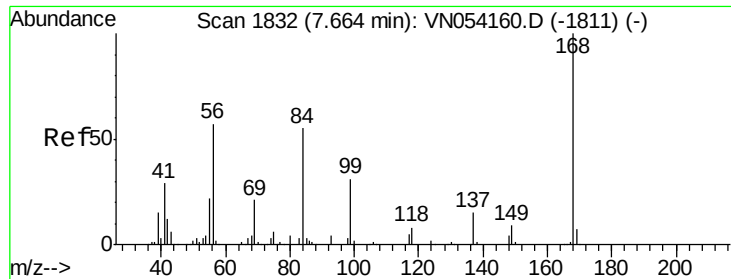
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	354049	19.698	ug/l	99
94) Hexachlorobutadiene	15.01	225	251251	20.350	ug/l	100
95) Naphthalene	15.13	128	708956	19.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	358458	20.813	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

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Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 168 Resp: 1452285

Ion Ratio Lower Upper

168 100

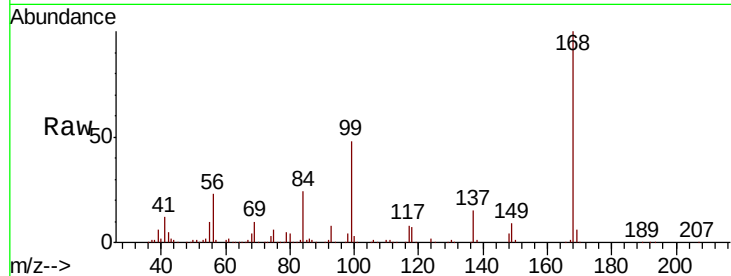
99 47.4 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

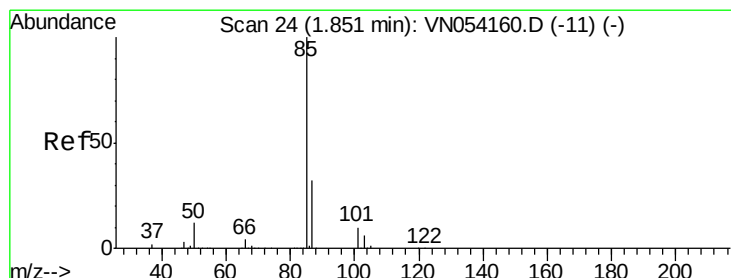
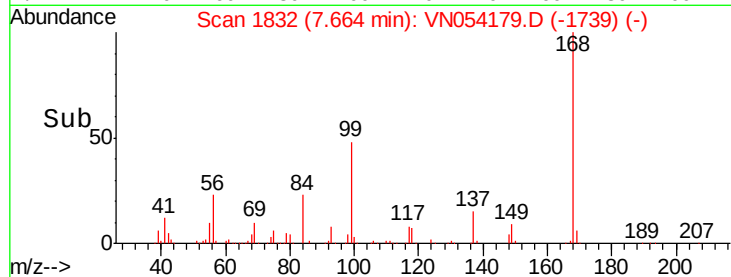
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.075 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054179.D

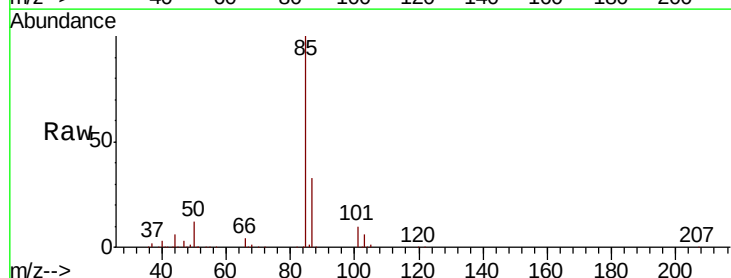
Acq: 12 Mar 2019 23:05

Tgt Ion: 85 Resp: 290079

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

250000

200000

150000

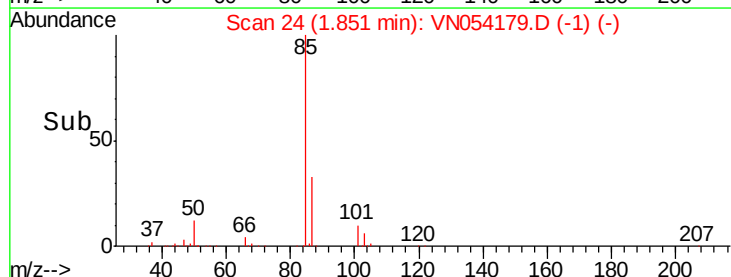
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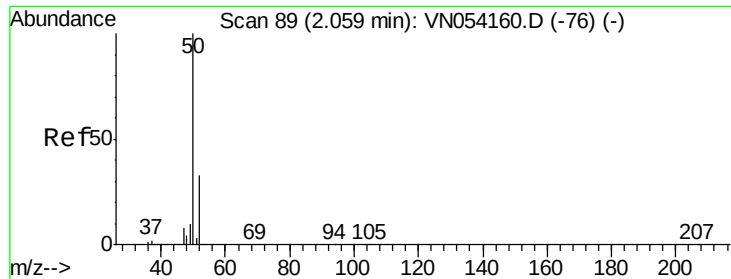
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.884 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 50 Resp: 279217

Ion Ratio Lower Upper

50 100

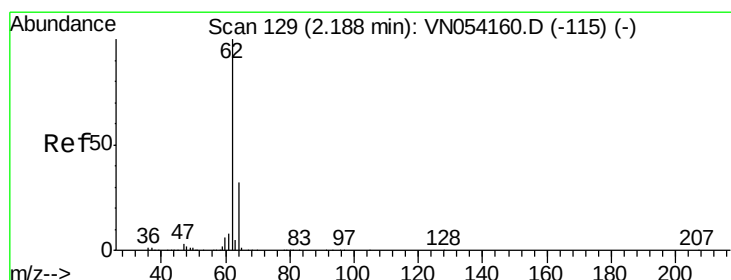
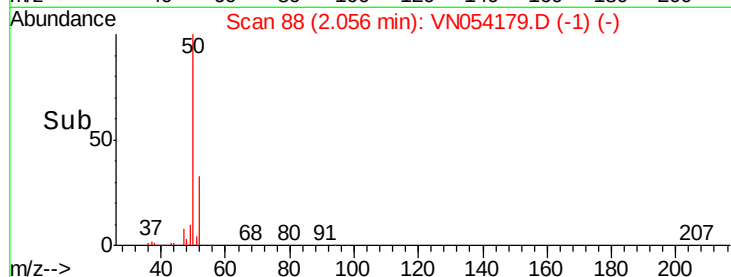
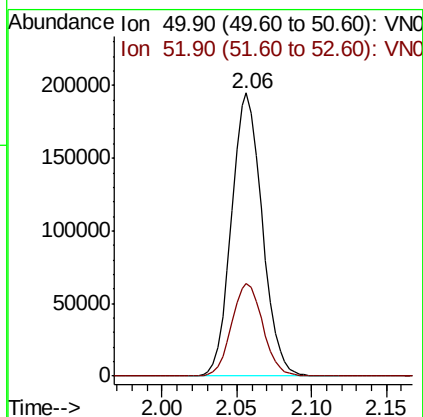
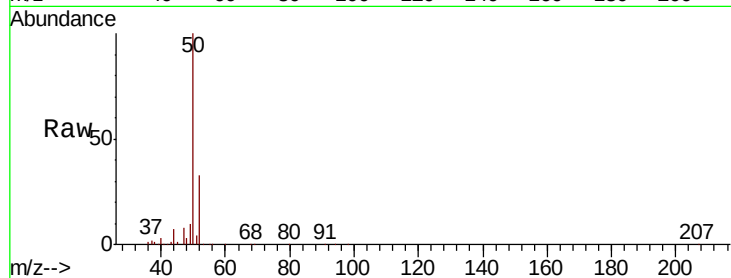
52 32.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.810 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054179.D

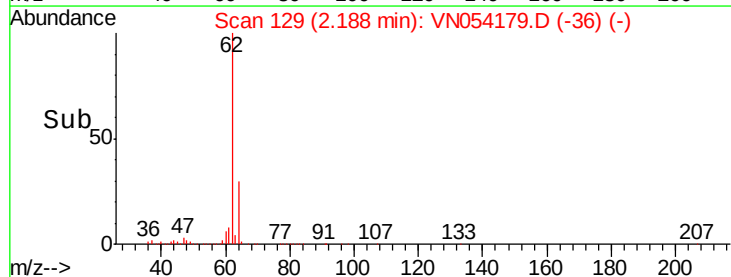
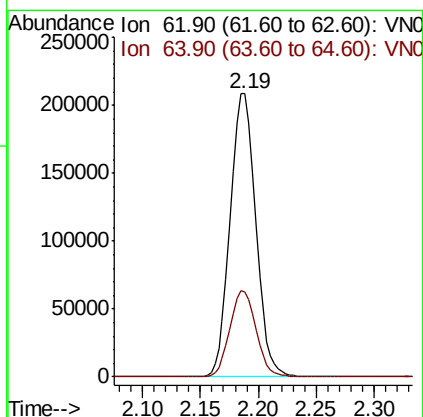
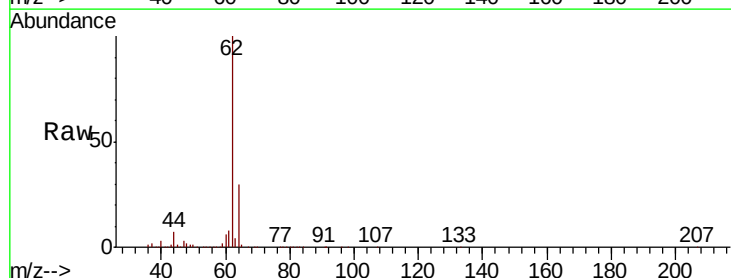
Acq: 12 Mar 2019 23:05

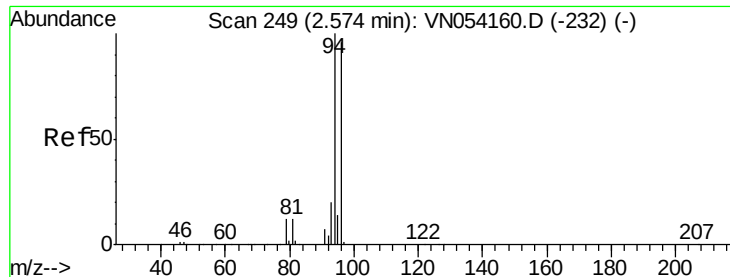
Tgt Ion: 62 Resp: 318009

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3





#5

Bromomethane

Concen: 20.341 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS02

Tgt Ion: 94 Resp: 215287

Ion Ratio Lower Upper

94 100

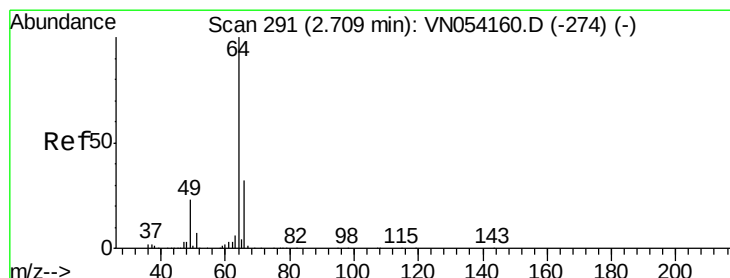
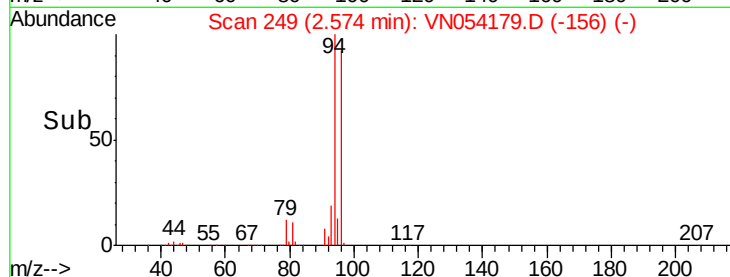
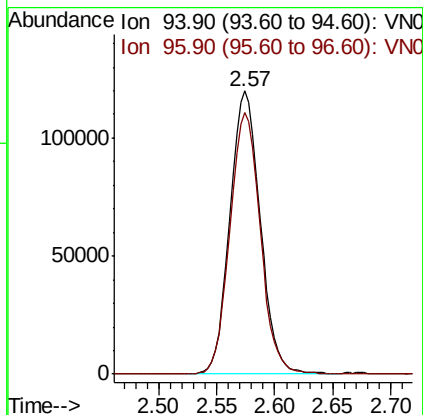
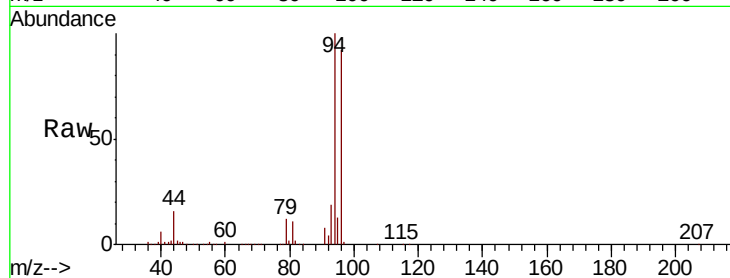
96 92.2 77.0 115.4

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#6

Chloroethane

Concen: 19.548 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054179.D

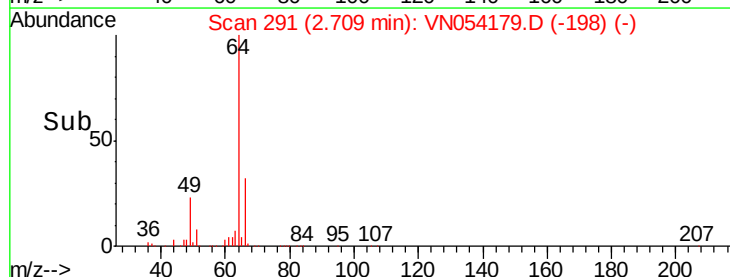
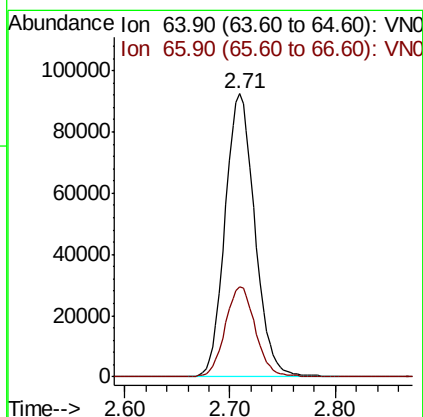
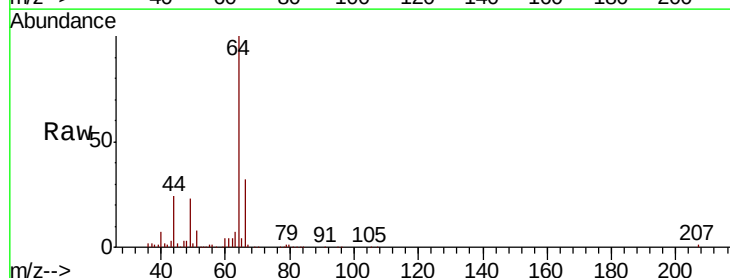
Acq: 12 Mar 2019 23:05

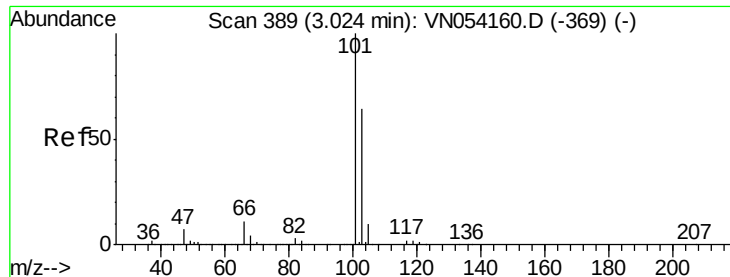
Tgt Ion: 64 Resp: 180743

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





#7

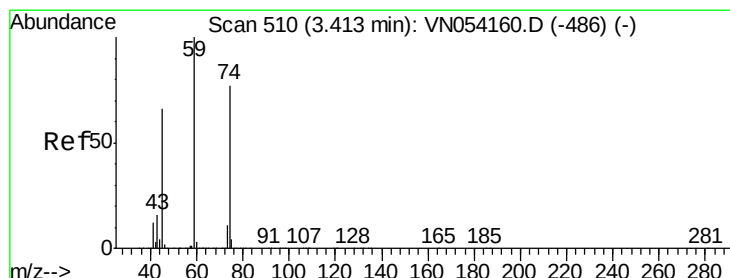
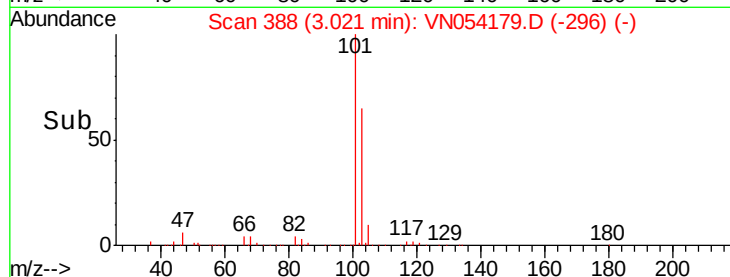
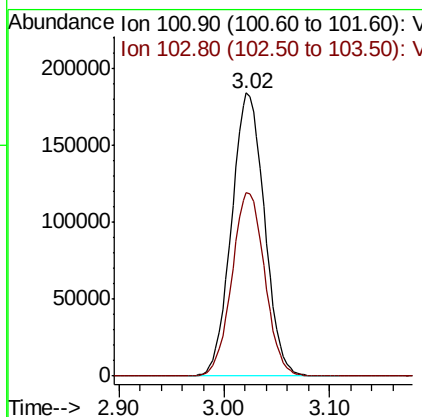
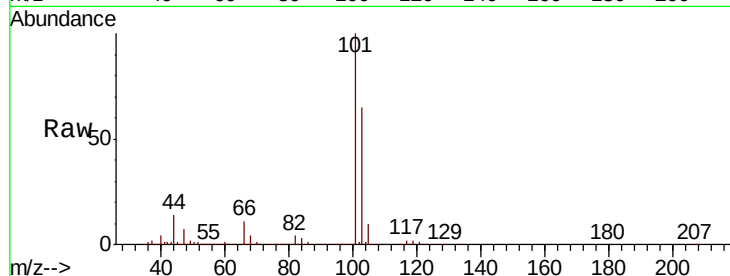
Trichlorofluoromethane
 Concen: 19.579 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
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 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

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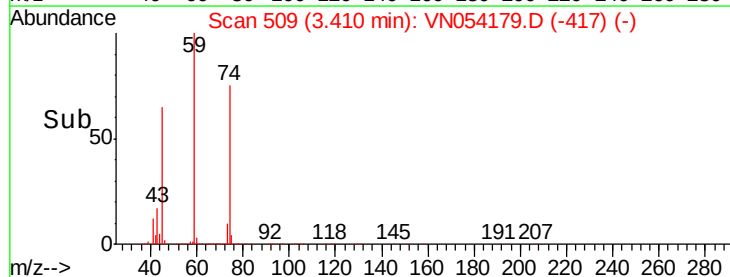
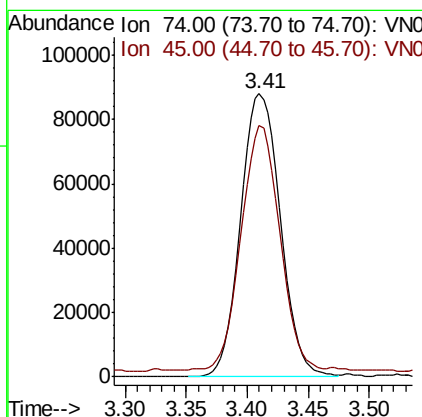
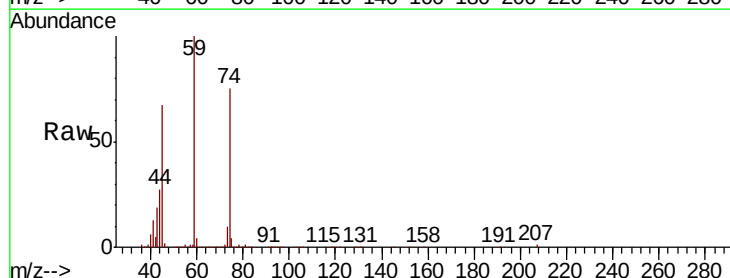
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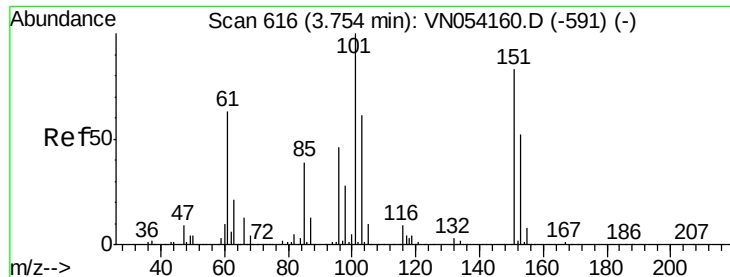


#8

Diethyl Ether
 Concen: 21.462 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.111 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

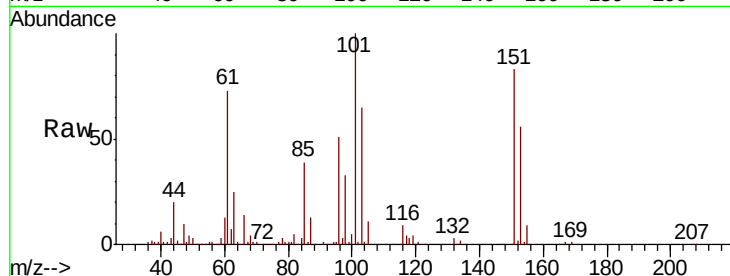
ClientSampled :

VN0312WBS02

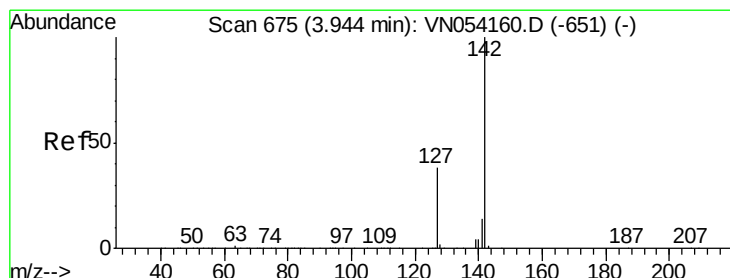
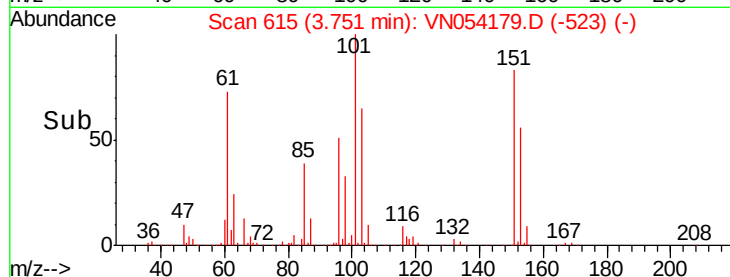
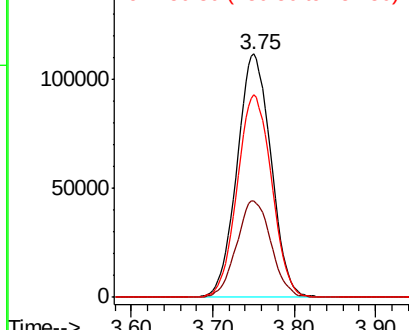
Tgt Ion:	101	Resp:	321413
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.4	48.6
151	84.5	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
150000 Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.587 ug/l

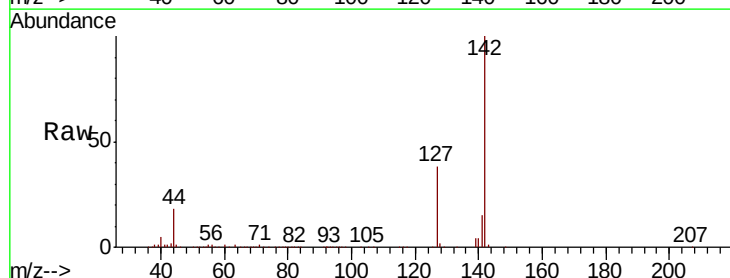
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

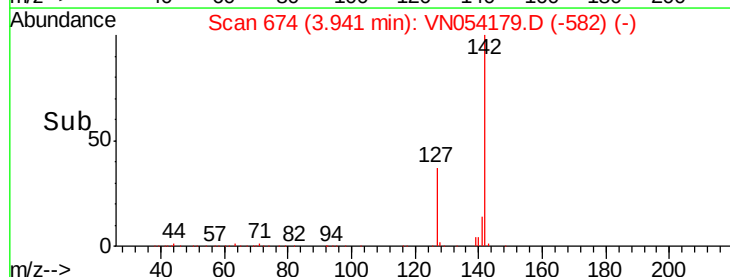
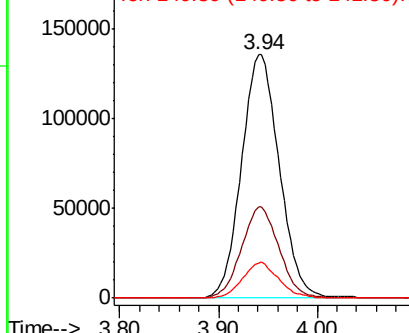
Lab File: VN054179.D

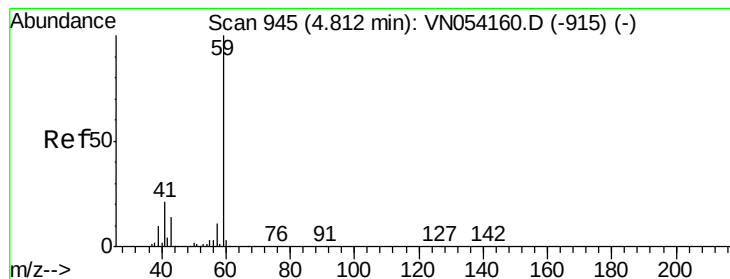
Acq: 12 Mar 2019 23:05

Tgt Ion:	142	Resp:	358632
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.3	45.5
141	14.2	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
150000 Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

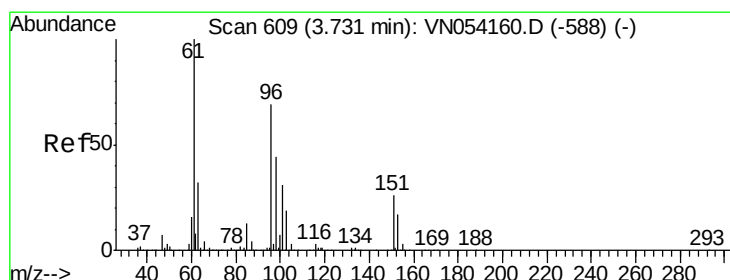
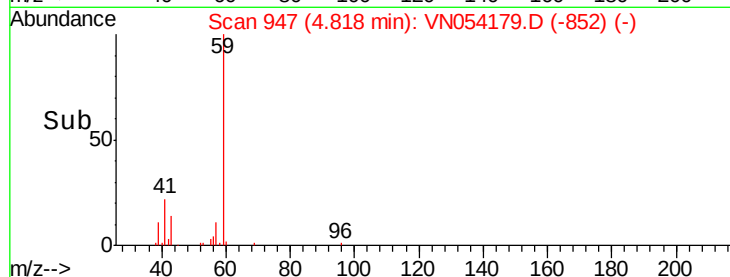
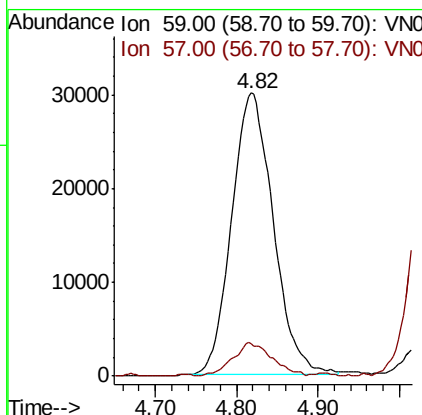
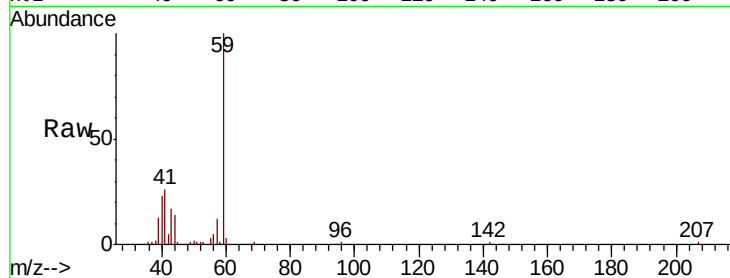
Tert butyl alcohol
 Concen: 100.432 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

Manual Integrations
 APPROVED

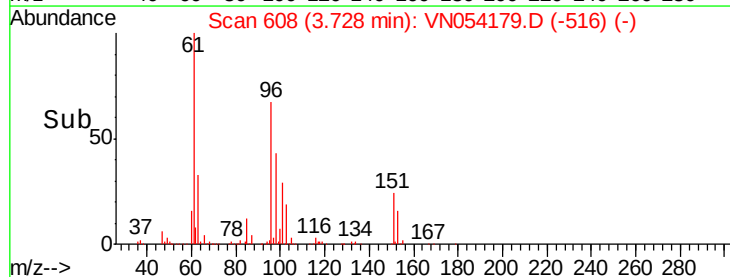
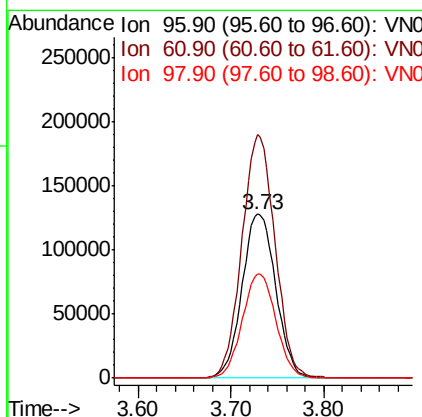
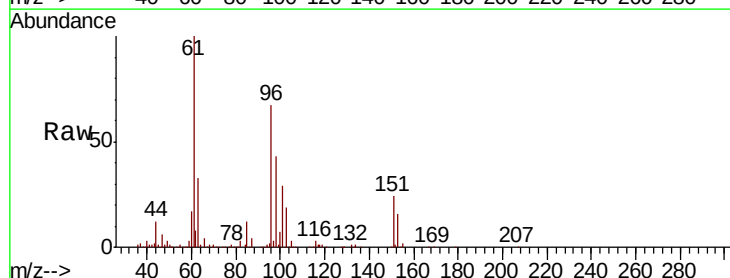
MMDadoda
 3/13/2019 11:41:18 AM

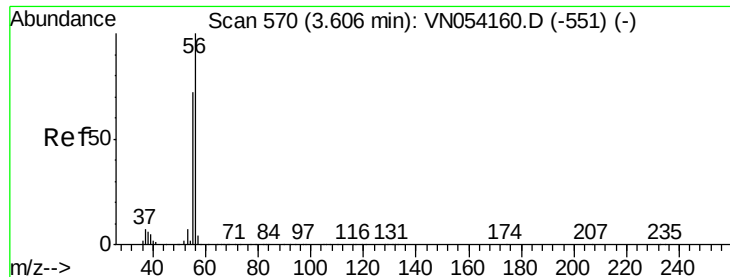


#12

1,1-Dichloroethene
 Concen: 21.366 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	116.5	174.7
98	63.6	51.0	76.4





#13

Acrolein

Concen: 75.183 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 56 Resp: 75327

Ion Ratio Lower Upper

56 100

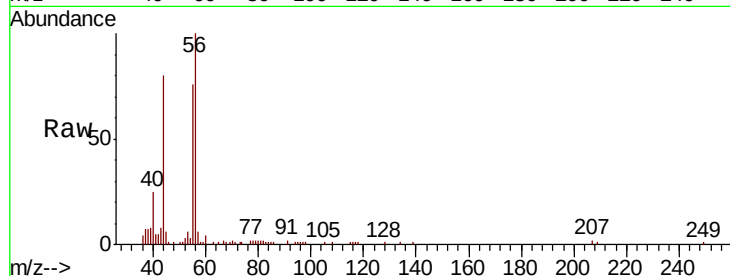
55 70.7 56.7 85.1

Manual Integrations

APPROVED

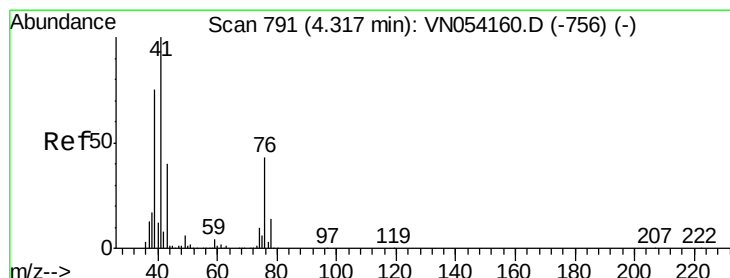
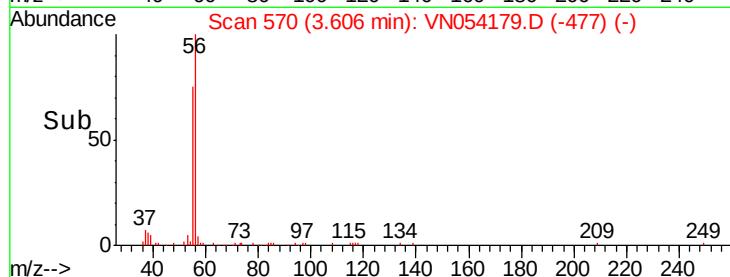
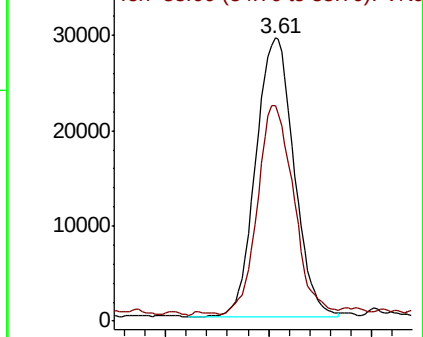
MMDadoda

3/13/2019 11:41:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.436 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

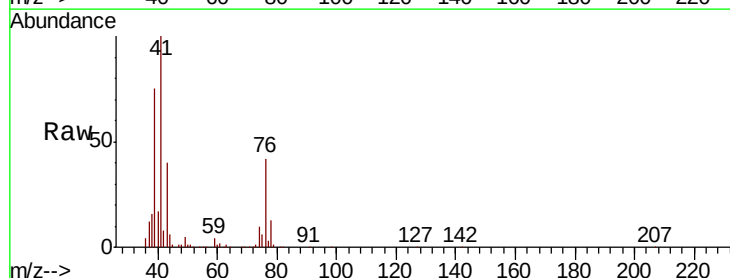
Tgt Ion: 41 Resp: 395596

Ion Ratio Lower Upper

41 100

39 72.7 58.2 87.4

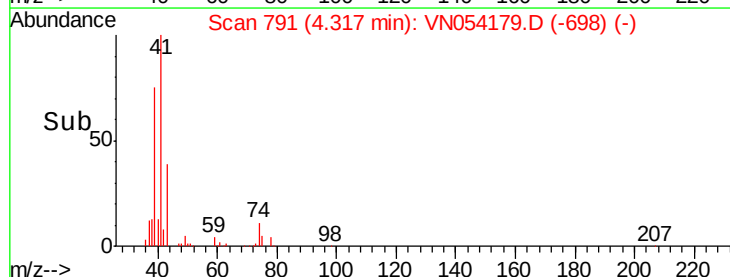
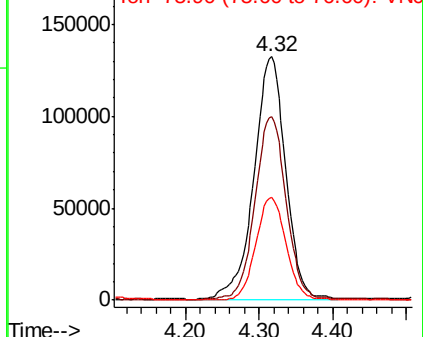
76 40.4 31.7 47.5

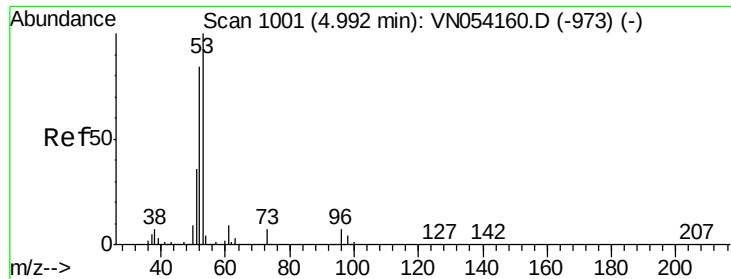


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





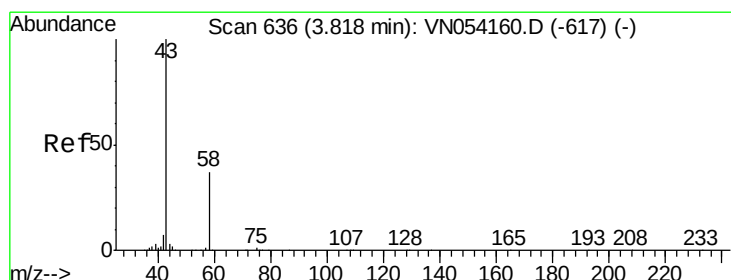
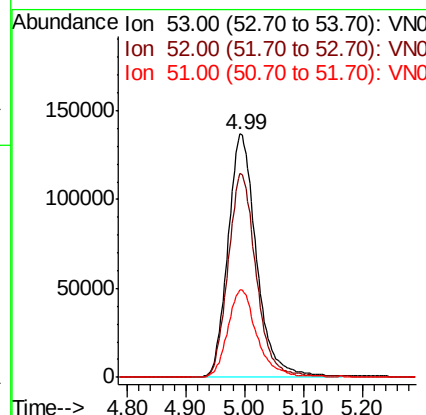
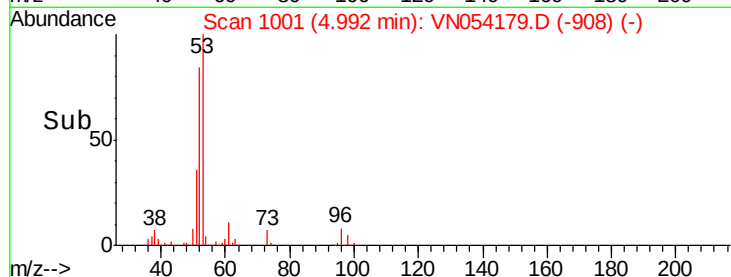
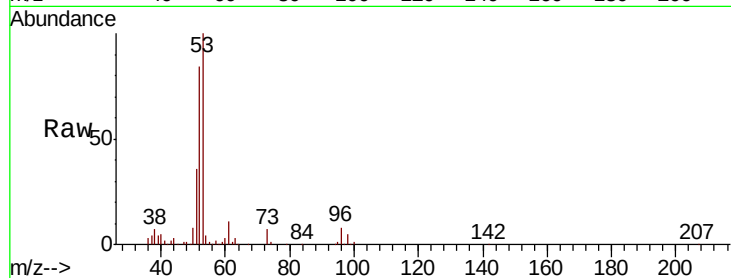
#15
 Acrylonitrile
 Concen: 106.315 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	36.7	29.6	44.4

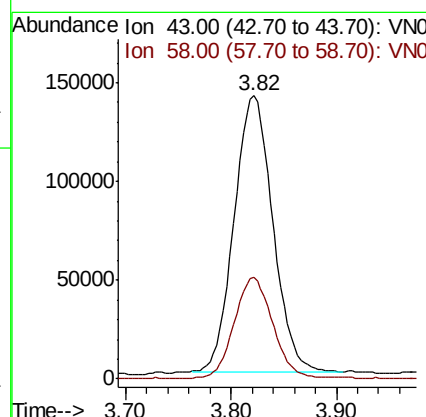
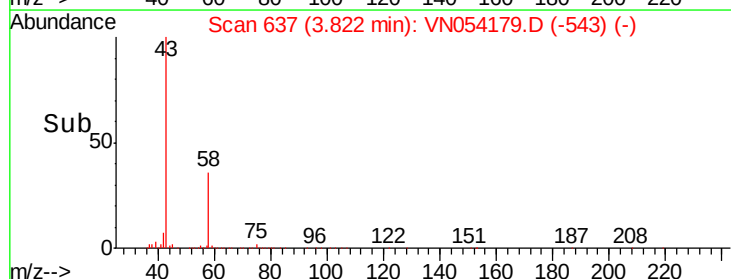
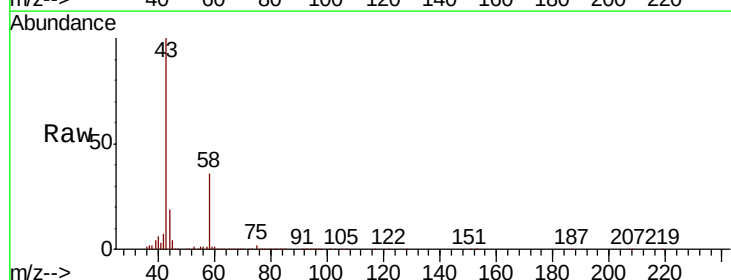
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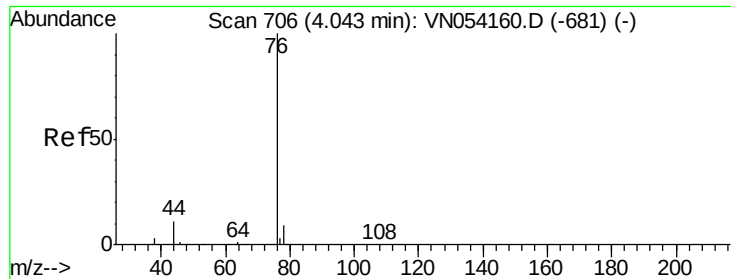
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#16
 Acetone
 Concen: 80.872 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.9	44.9





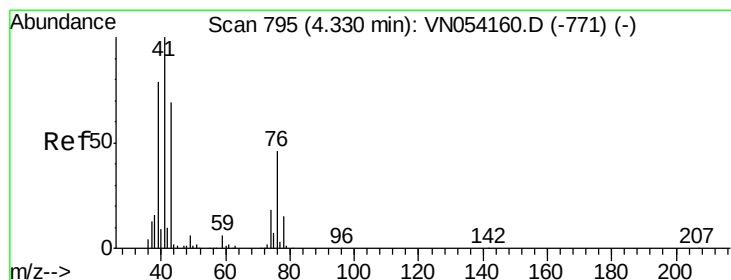
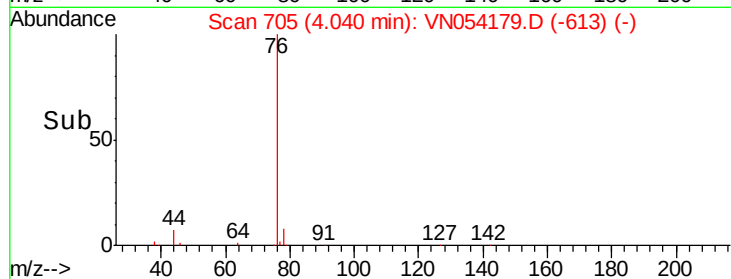
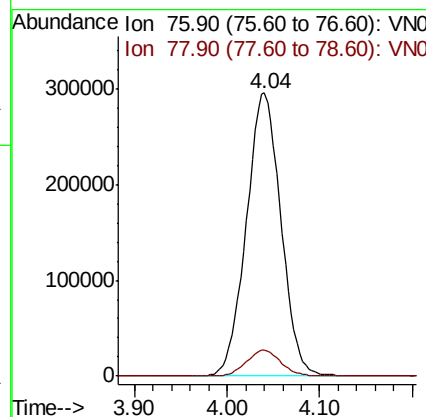
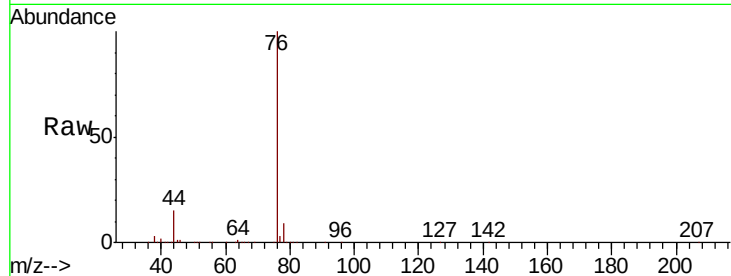
#17
Carbon Disulfide
Concen: 20.252 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

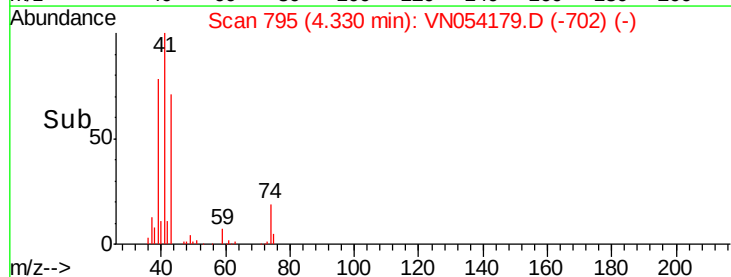
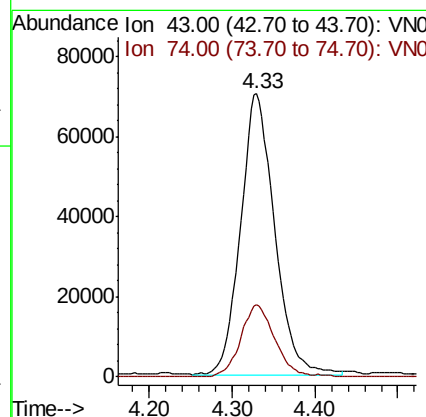
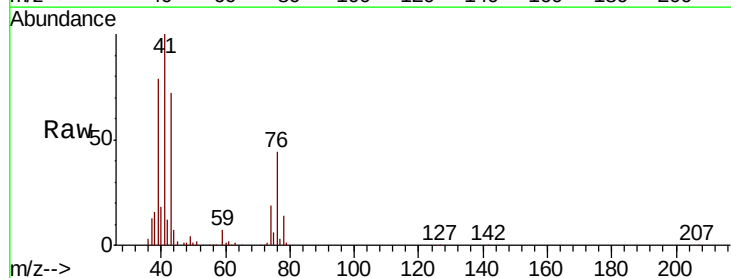
Manual Integrations
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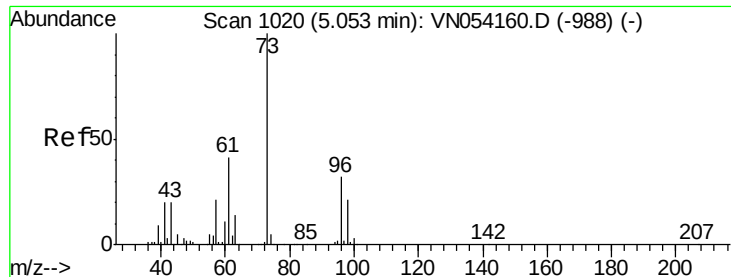
MMDadoda
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#18
Methyl Acetate
Concen: 22.396 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.8	31.2





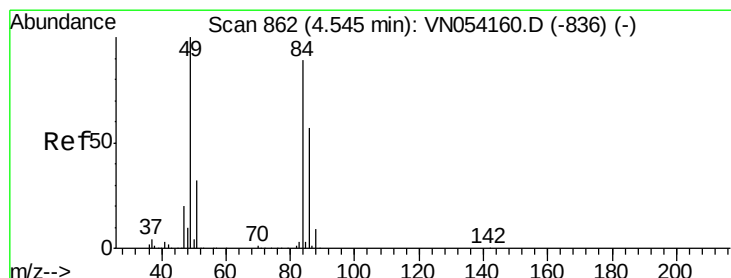
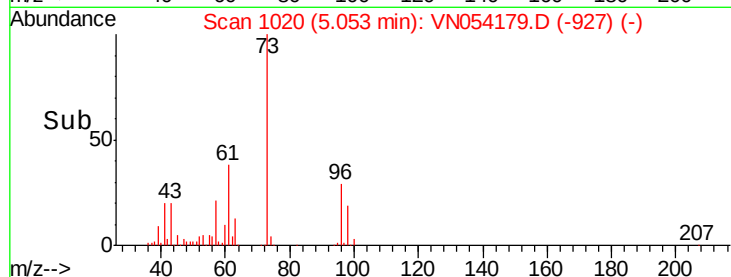
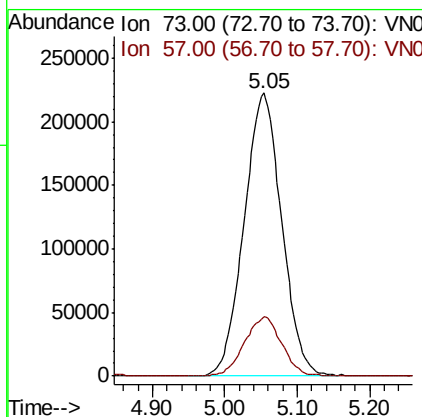
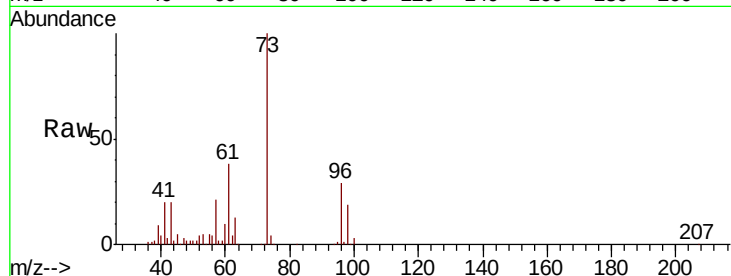
#19
Methyl tert-butyl Ether
Concen: 21.499 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion: 73 Resp: 804014
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

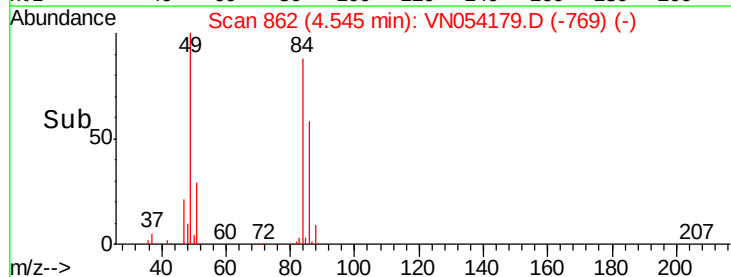
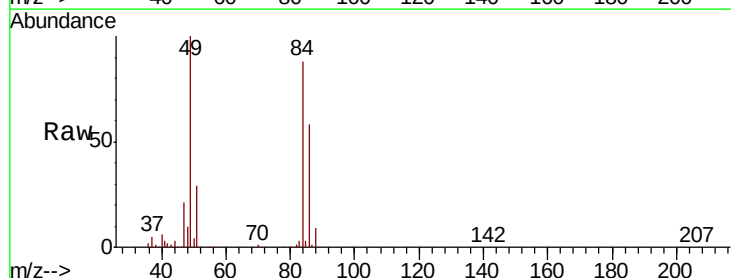
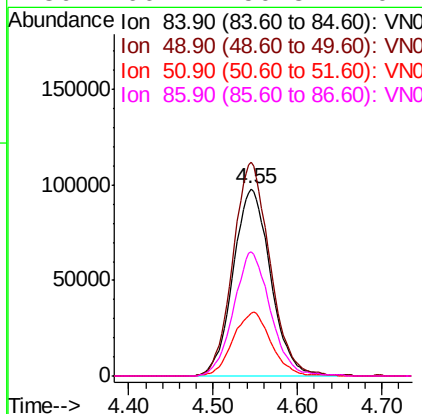
Manual Integrations
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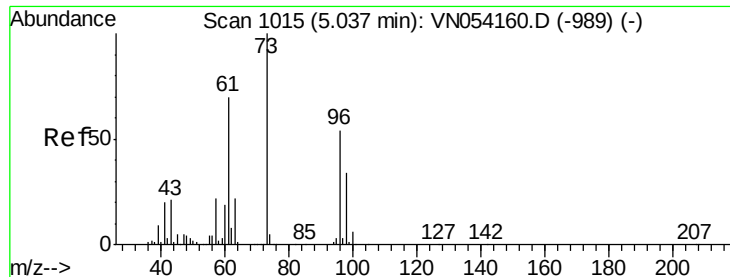
MMDadoda
3/13/2019 11:41:18 AM



#20
Methylene Chloride
Concen: 20.920 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 84 Resp: 303349
Ion Ratio Lower Upper
84 100
49 114.0 89.7 134.5
51 33.4 28.2 42.4
86 66.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.764 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

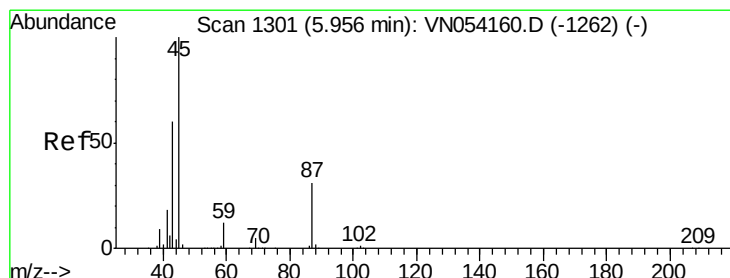
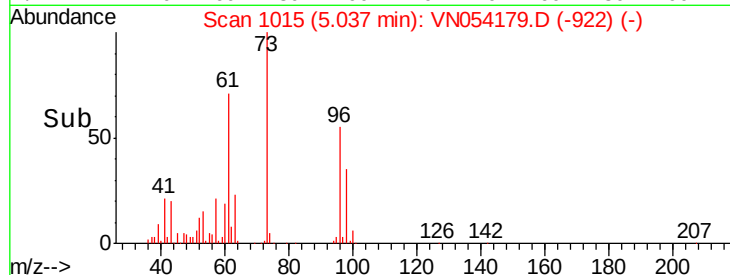
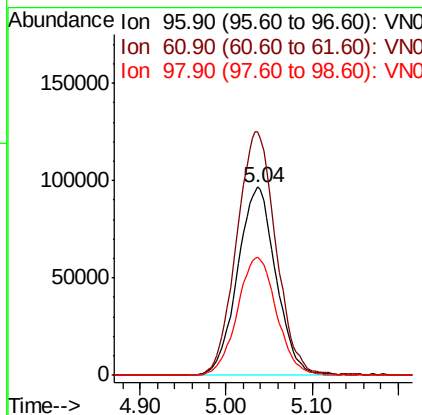
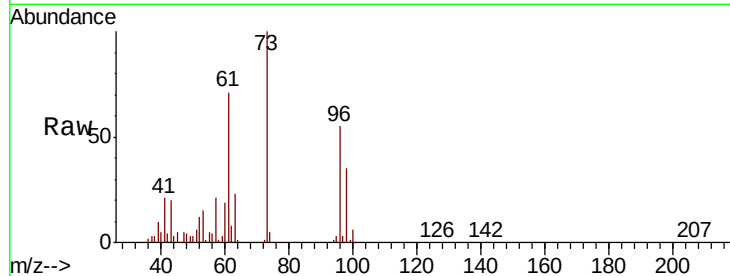
ClientSampleId :

VN0312WBS02

Tgt Ion:	96	Resp:	300160
Ion	Ratio	Lower	Upper
96	100		
61	129.4	102.8	154.2
98	62.8	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.954 ug/l

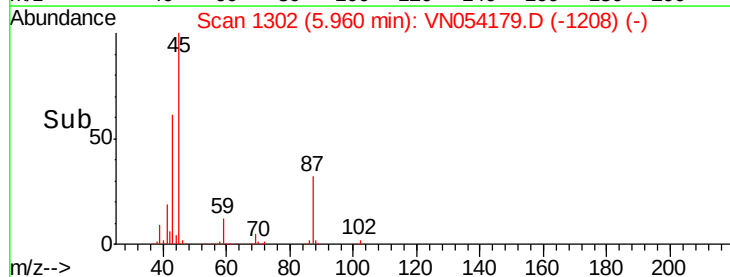
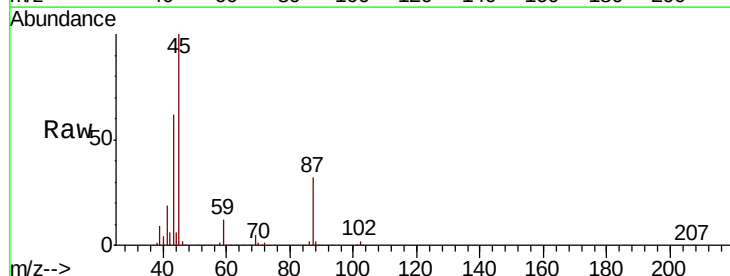
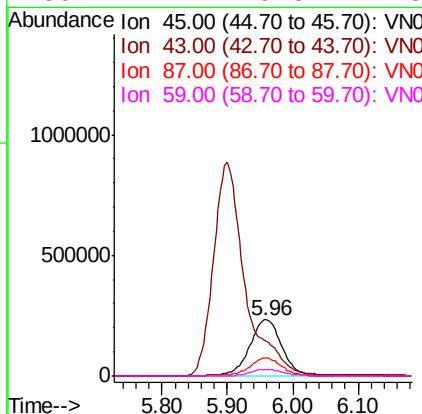
RT: 5.96 min Scan# 1302

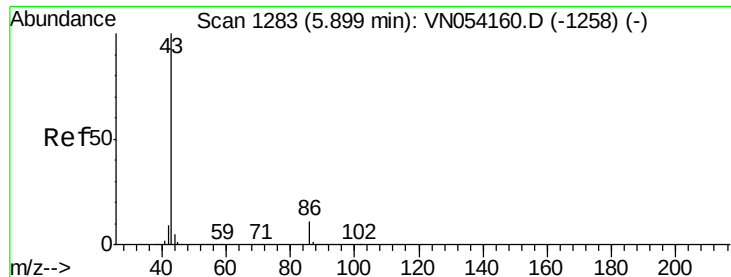
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	45	Resp:	809552
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	32.1	24.9	37.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 105.198 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 43 Resp: 2996670

Ion Ratio Lower Upper

43 100

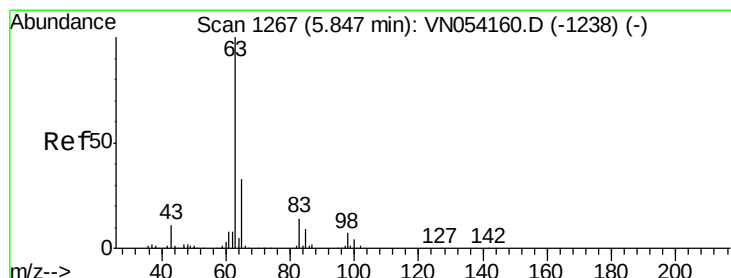
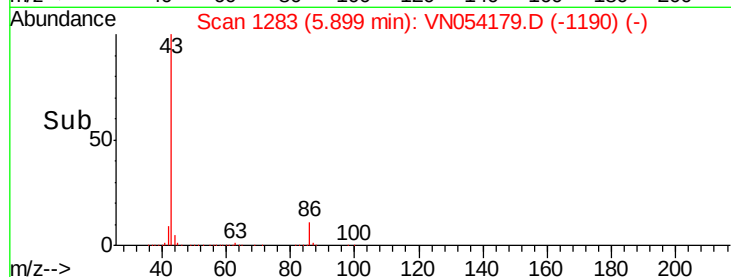
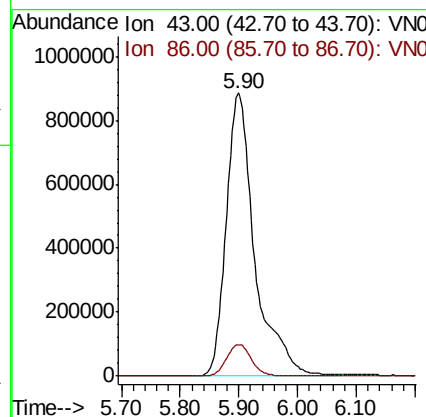
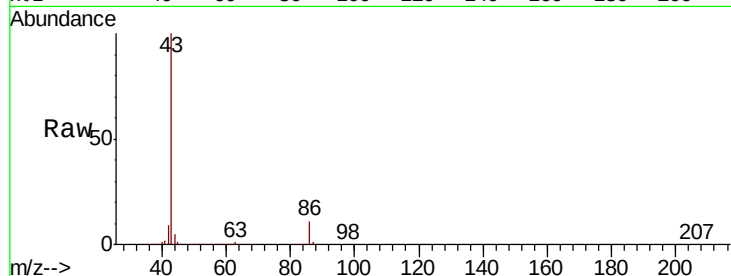
86 11.2 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.072 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

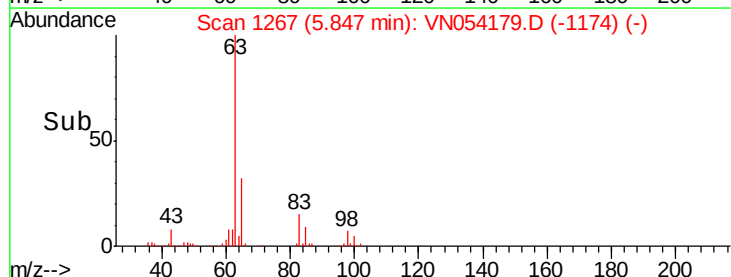
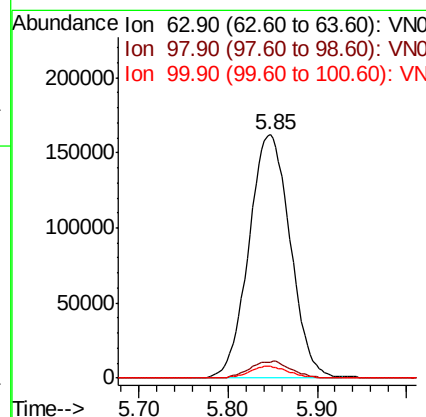
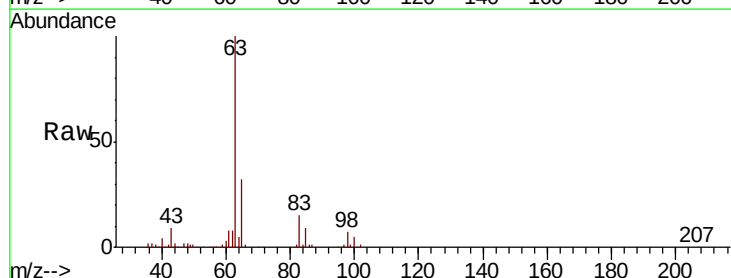
Tgt Ion: 63 Resp: 522724

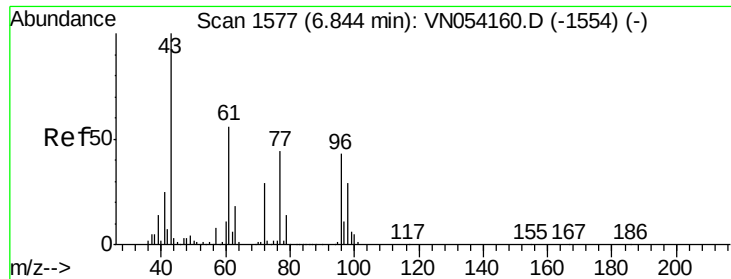
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.6 2.0 6.0





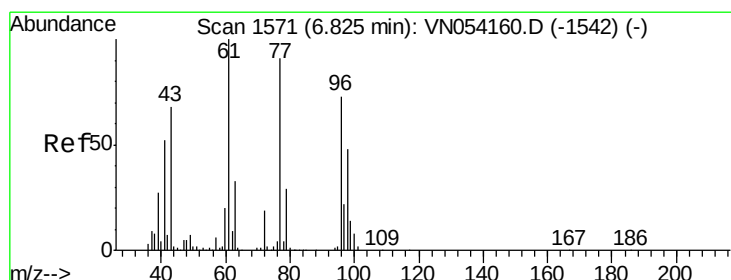
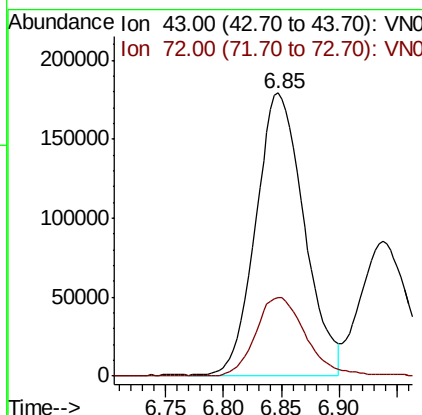
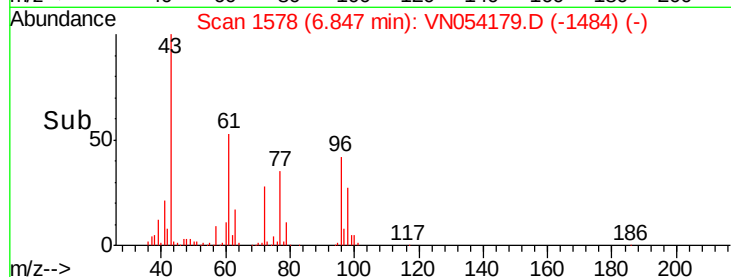
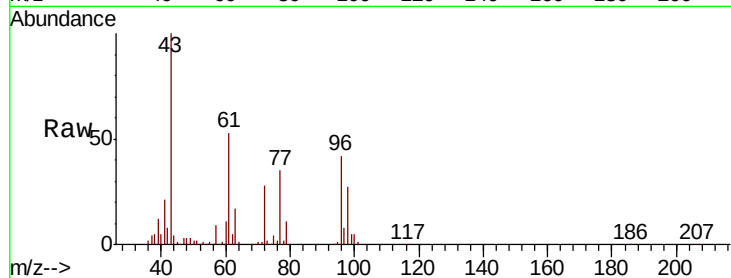
#25
2-Butanone
Concen: 99.446 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS02

Tgt Ion: 43 Resp: 515439
Ion Ratio Lower Upper
43 100
72 28.0 23.0 34.6

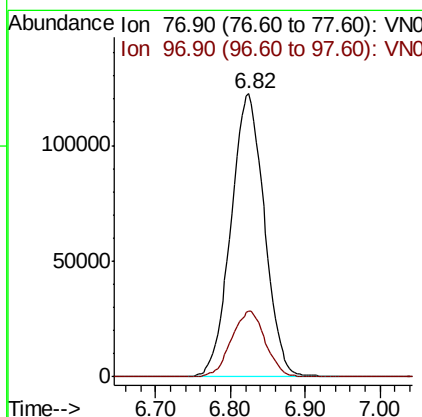
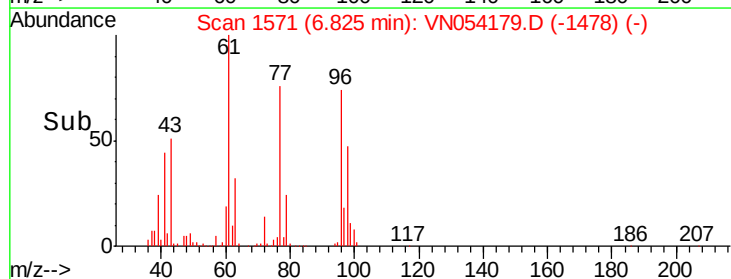
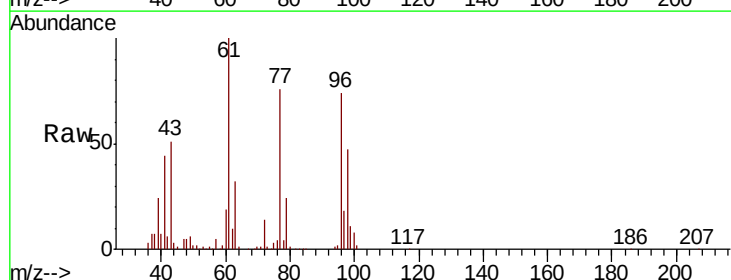
Manual Integrations
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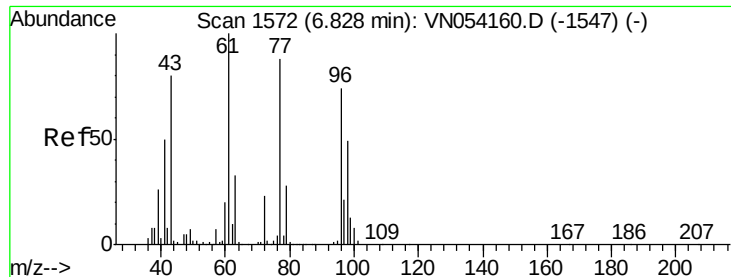
MMDadoda
3/13/2019 11:41:18 AM



#26
2,2-Dichloropropane
Concen: 17.445 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 77 Resp: 380564
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.619 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

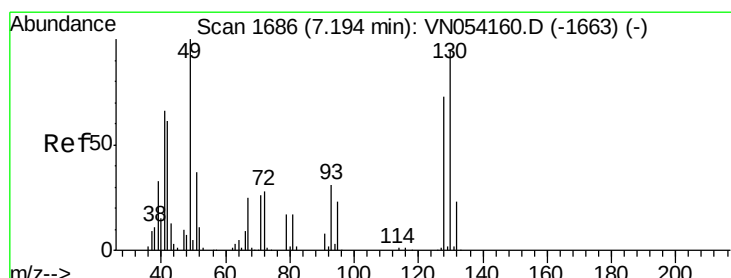
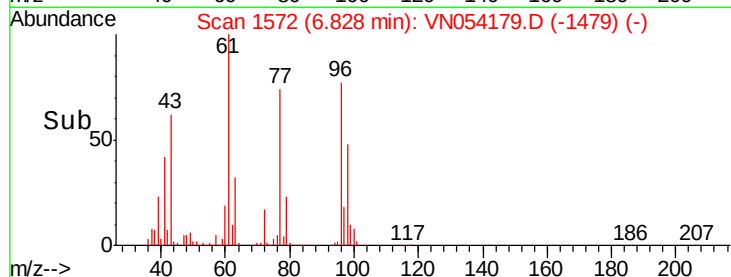
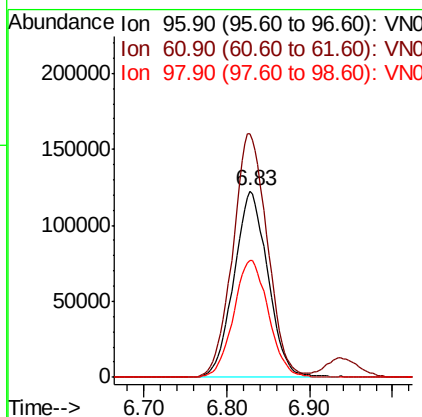
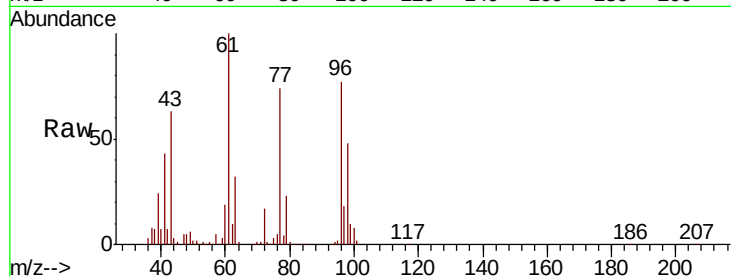
ClientSampleId :

VN0312WBS02

Tgt Ion:	96	Resp:	348655
Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	273.0
98	64.4	0.0	130.6

Manual Integrations
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MMDadoda
3/13/2019 11:41:18 AM



#28

Bromochloromethane

Concen: 19.523 ug/l

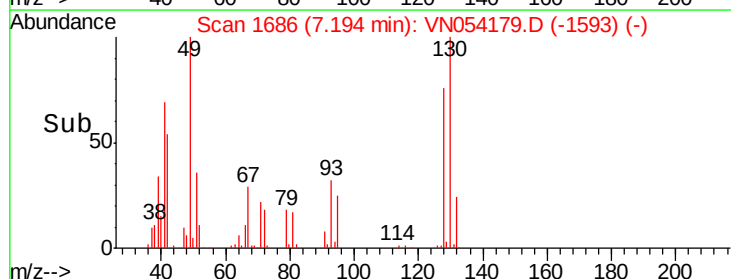
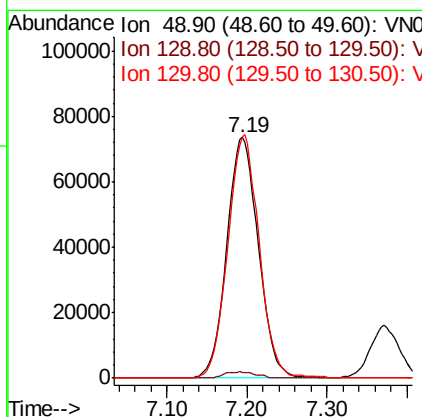
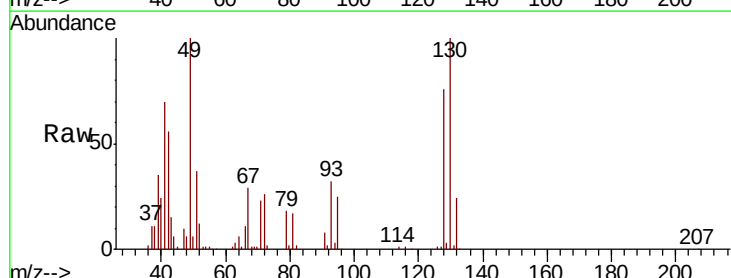
RT: 7.19 min Scan# 1686

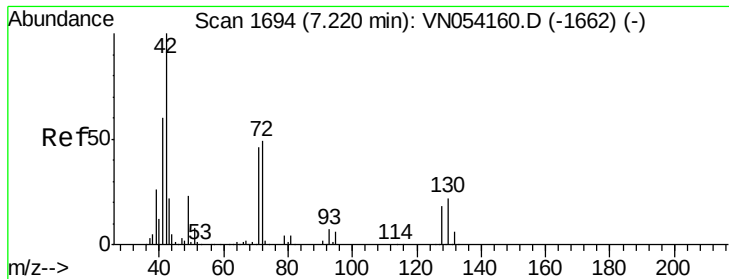
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	49	Resp:	197990
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	99.0	76.7	115.1





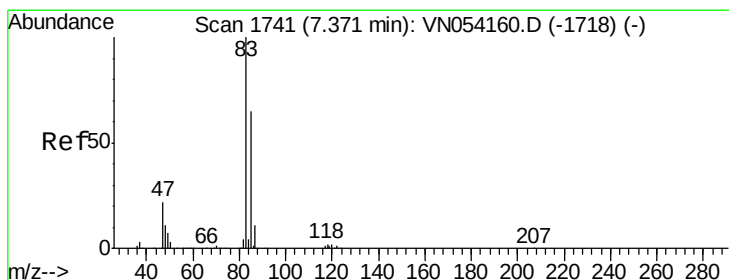
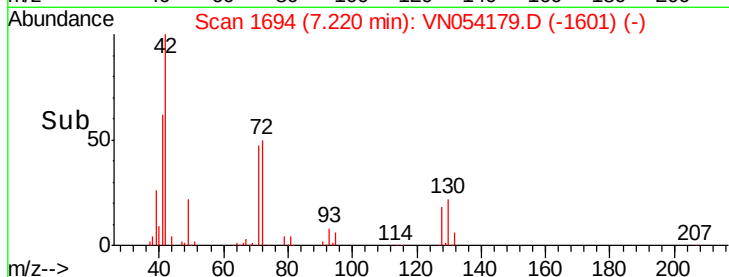
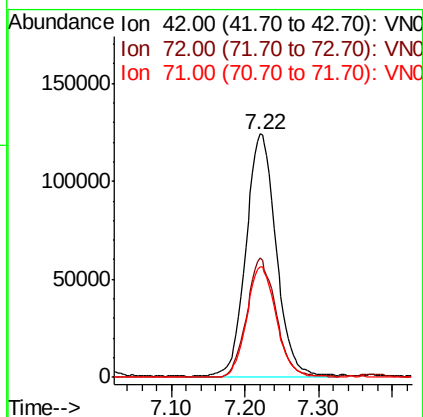
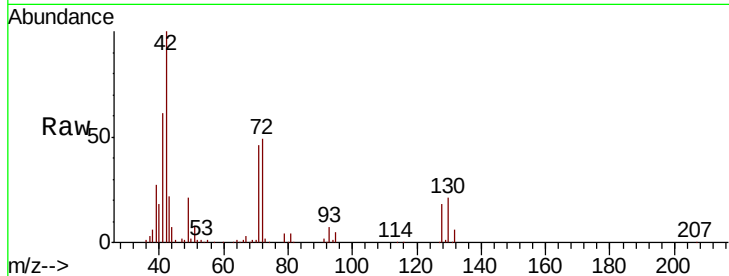
#29
Tetrahydrofuran
Concen: 106.013 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.8	56.6
71	44.7	36.2	54.2

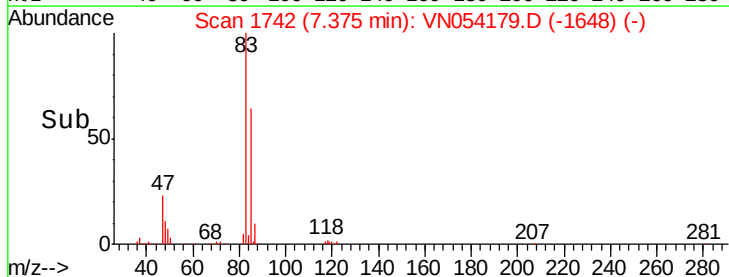
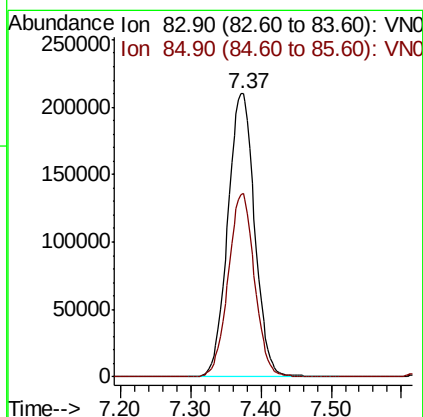
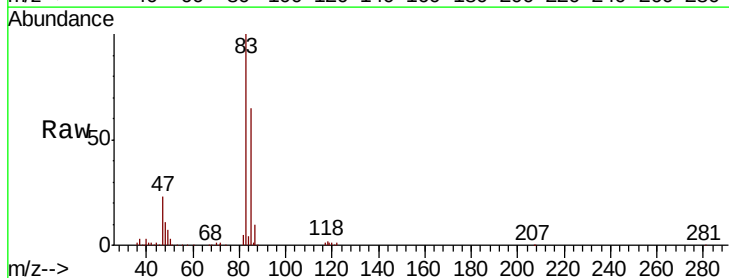
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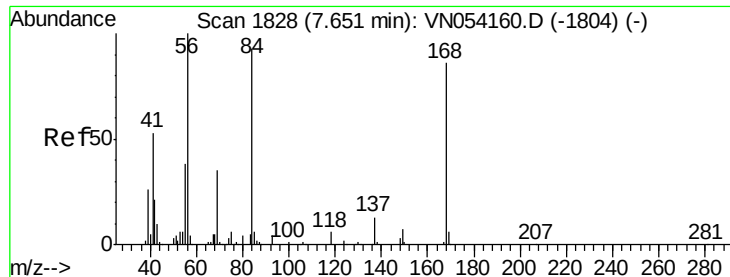
MMDadoda
3/13/2019 11:41:18 AM



#30
Chloroform
Concen: 21.627 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4





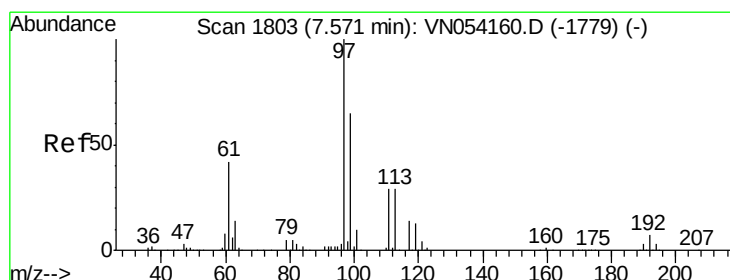
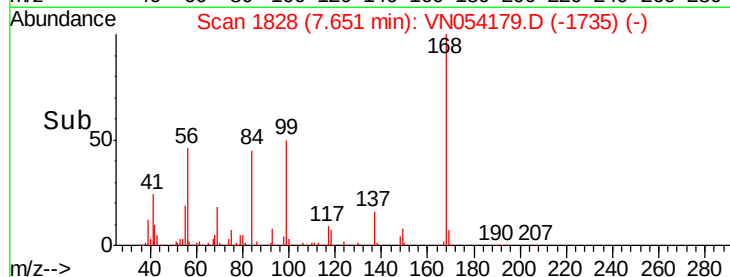
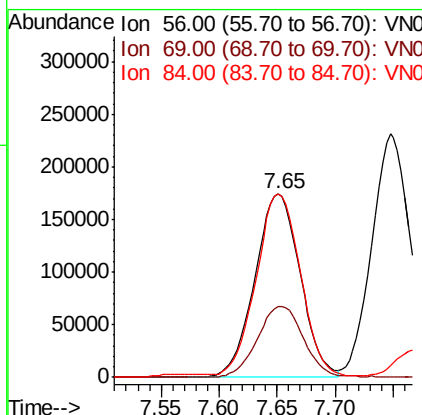
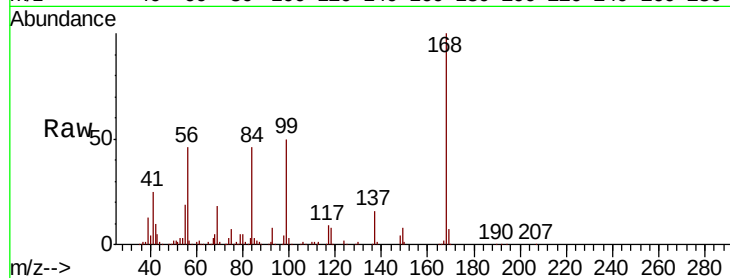
#31
Cyclohexane
Concen: 19.639 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.8	41.6
84	98.4	74.6	111.8

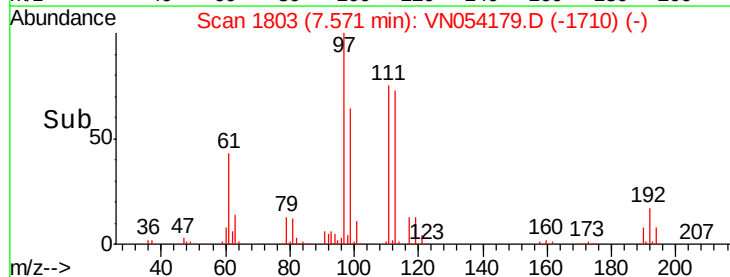
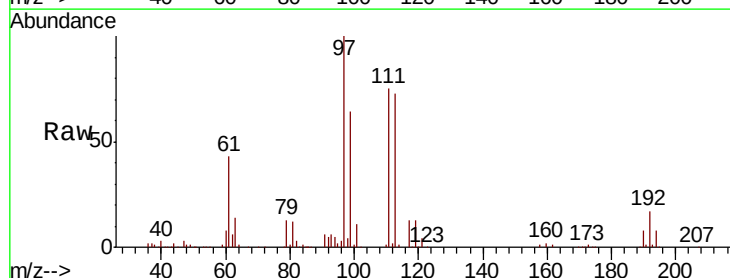
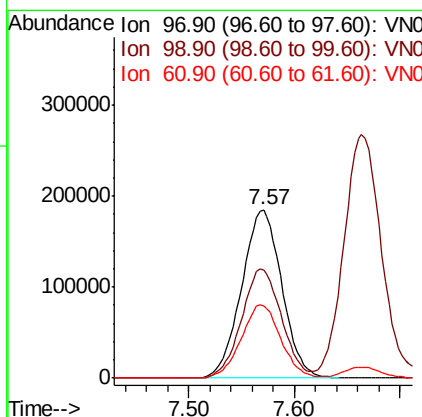
Manual Integrations
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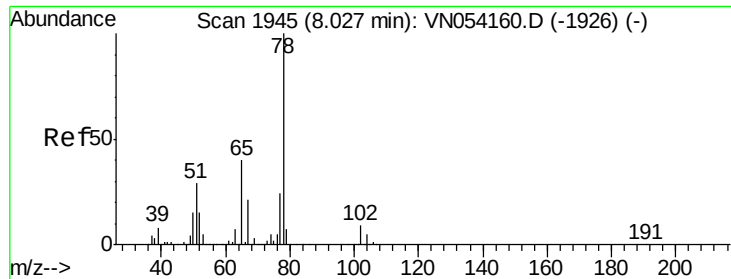
MMDadoda
3/13/2019 11:41:18 AM



#32
1,1,1-Trichloroethane
Concen: 20.980 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	42.8	33.6	50.4





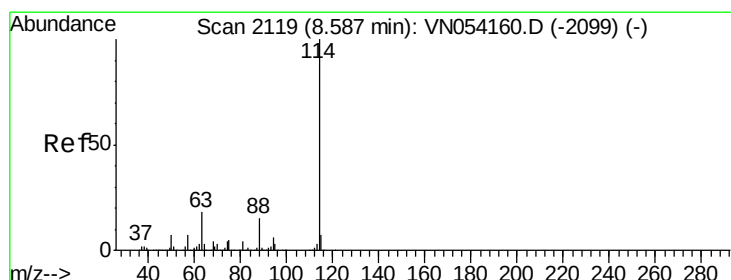
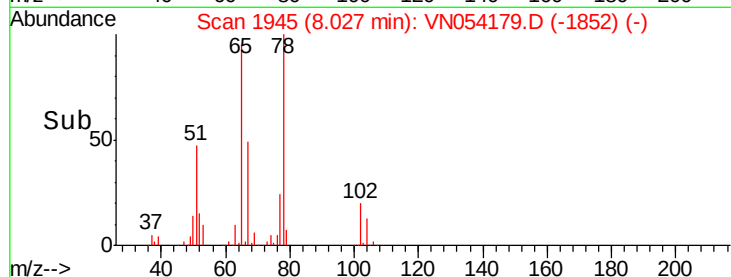
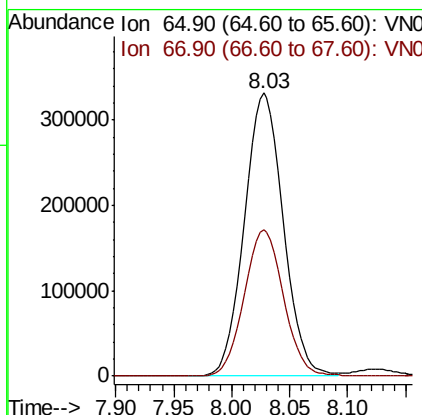
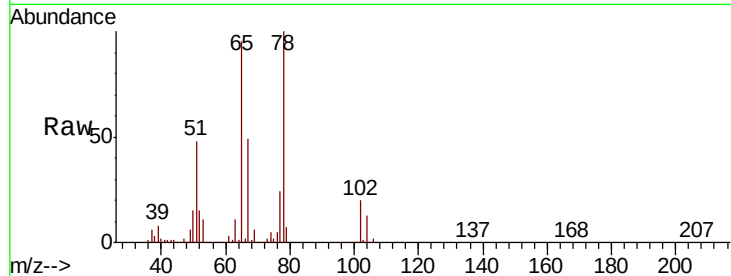
#33
 1,2-Dichloroethane-d4
 Concen: 50.250 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	775018		
67	52.2	0.0	104.6	

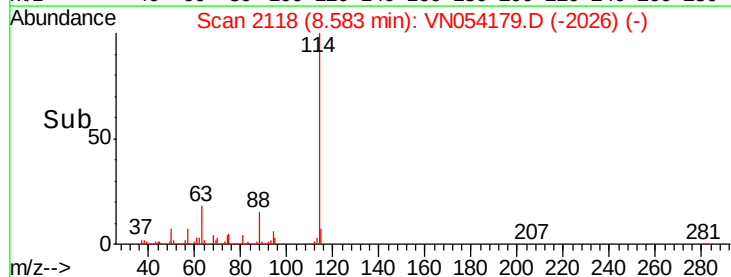
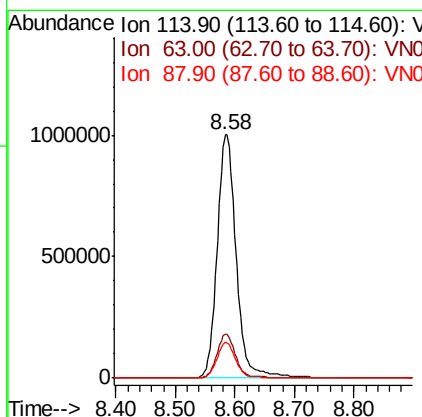
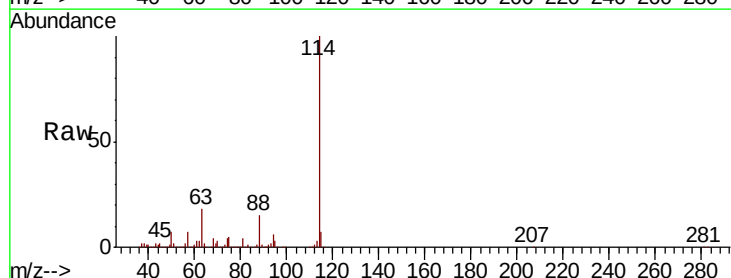
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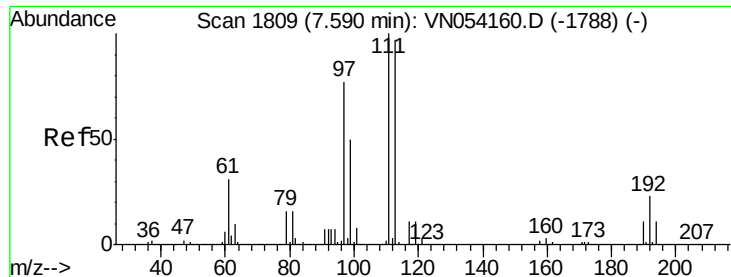
MMDadoda
 3/13/2019 11:41:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2219414		
63	18.1	0.0	35.2	
88	14.7	0.0	30.2	





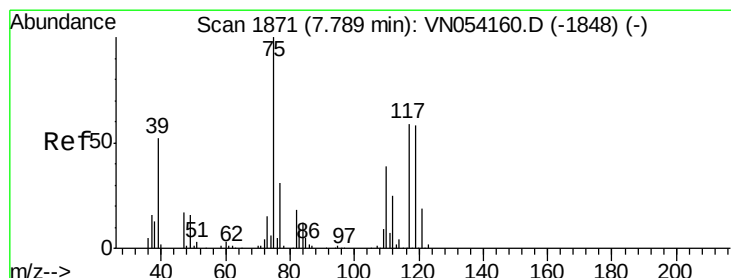
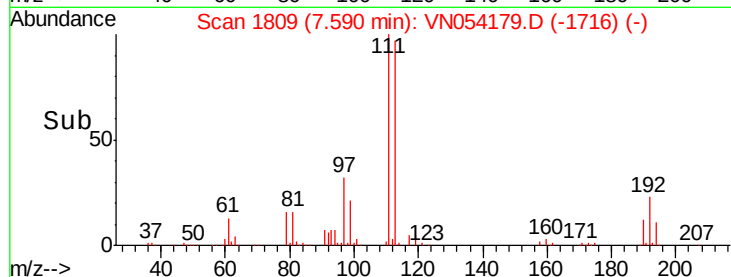
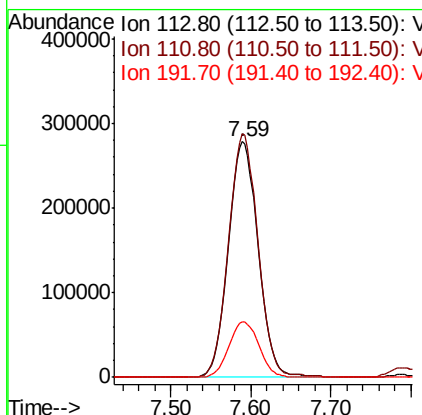
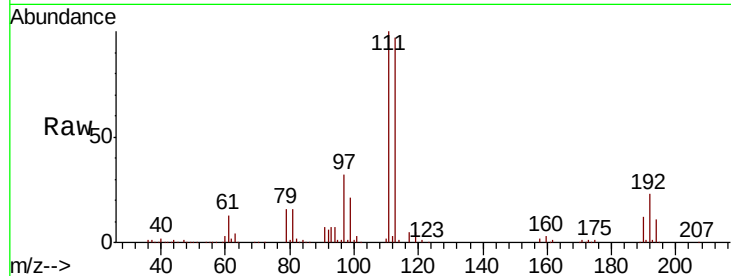
#35
 Dibromofluoromethane
 Concen: 49.241 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	704853		
111	102.2	82.2	123.4	
192	23.9	19.2	28.8	

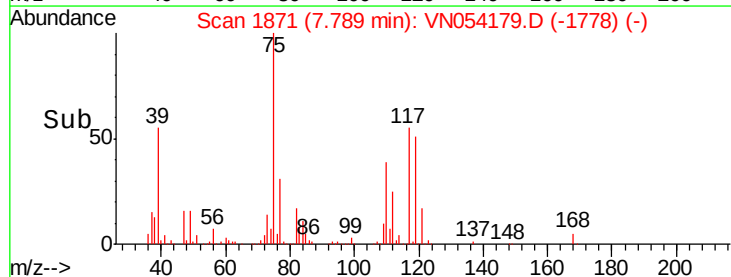
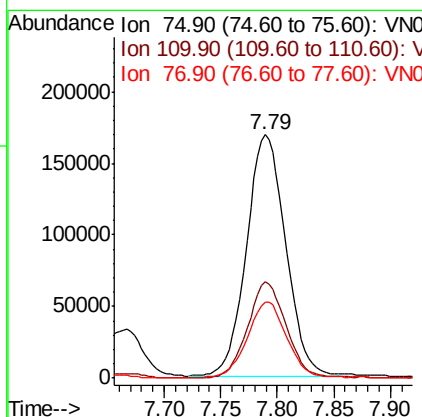
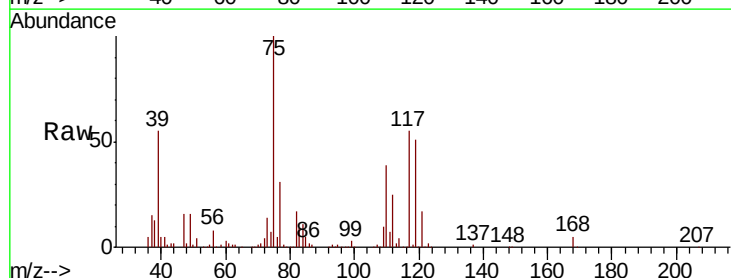
Manual Integrations
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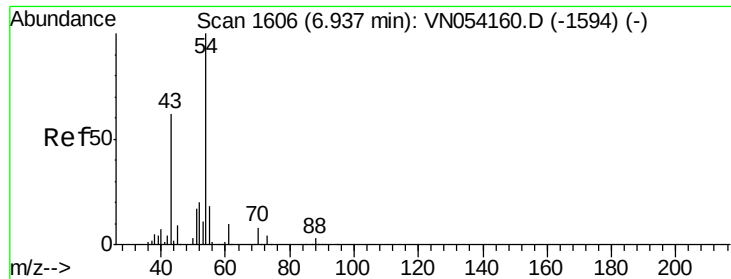
MMDadoda
 3/13/2019 11:41:18 AM



#36
 1,1-Dichloropropene
 Concen: 19.855 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	405815		
110	39.4	19.1	57.5	
77	31.5	25.0	37.4	





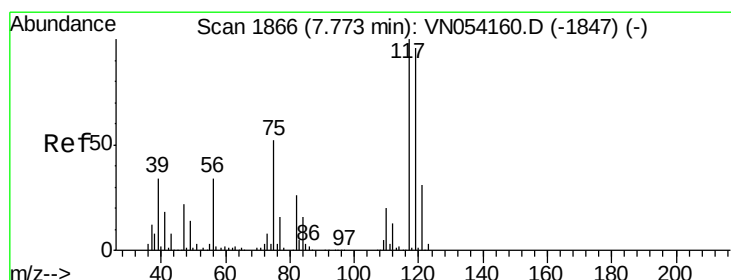
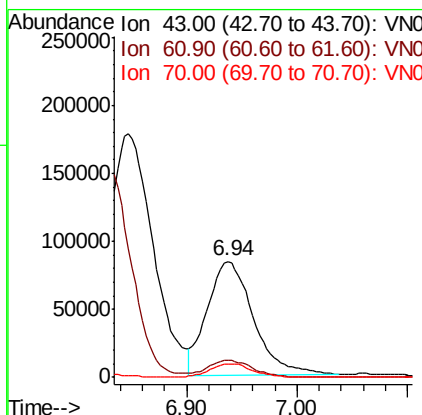
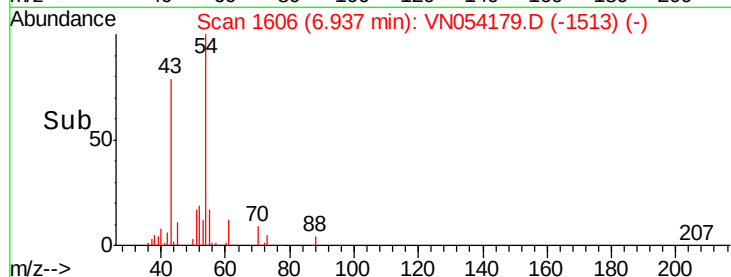
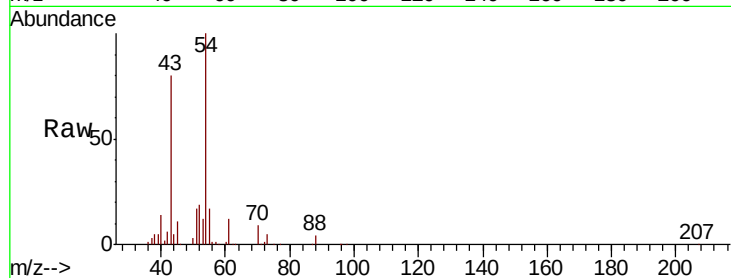
#37
Ethyl Acetate
Concen: 20.586 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	10.4	8.4	12.6

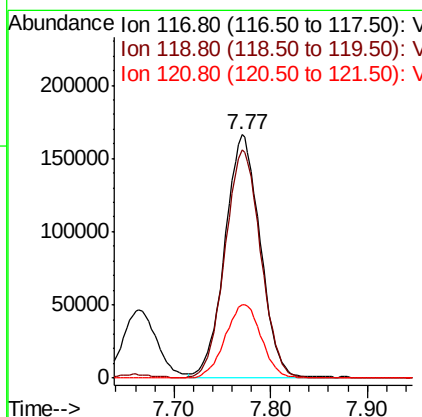
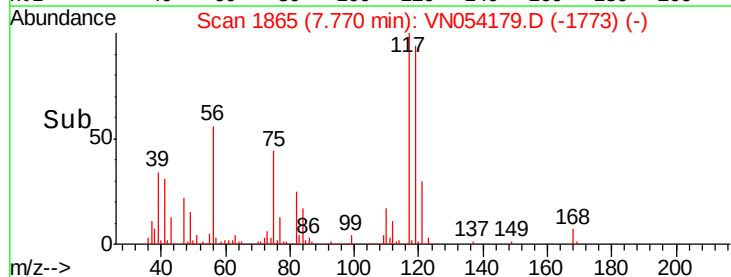
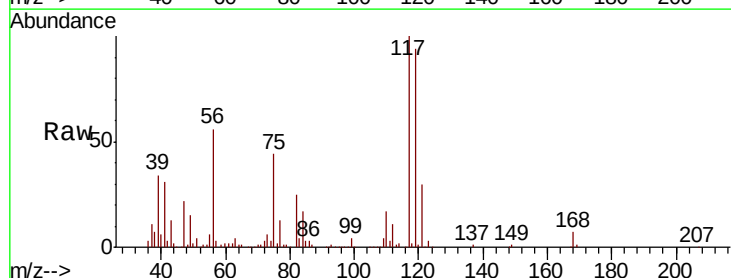
Manual Integrations
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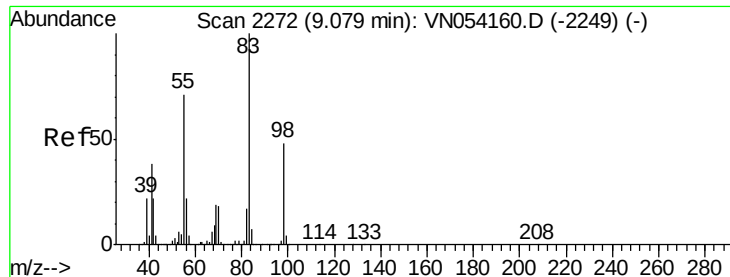
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.515 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.3	114.5
121	30.4	24.6	36.8





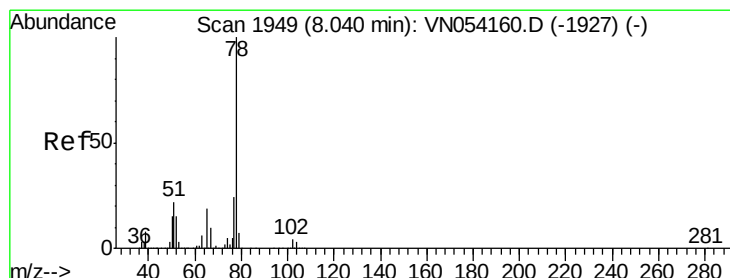
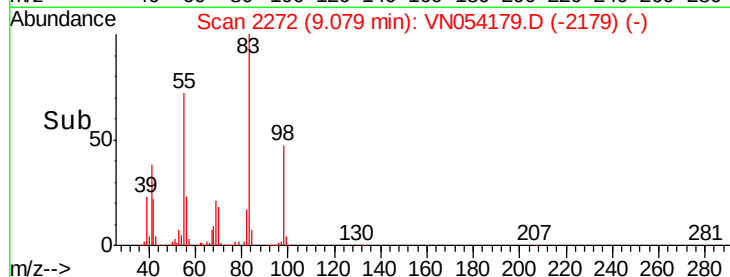
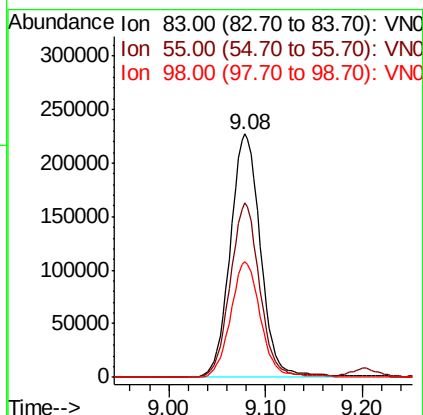
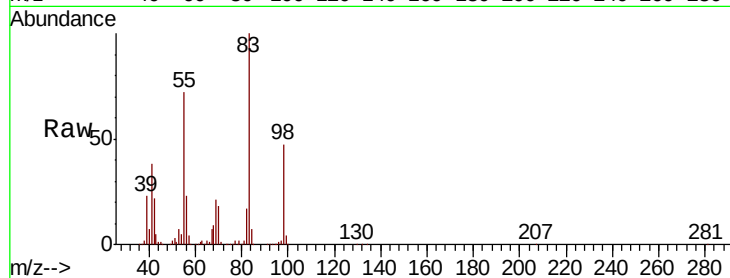
#39
Methylcyclohexane
Concen: 19.605 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.5	56.6	84.8
98	47.4	38.4	57.6

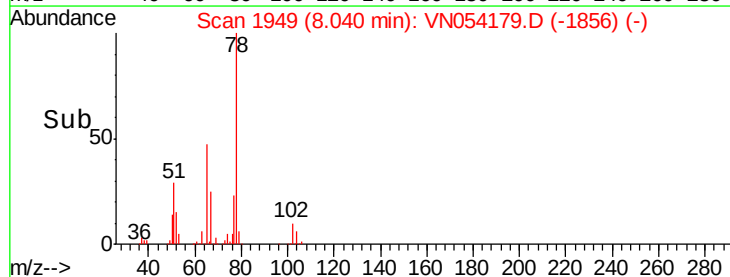
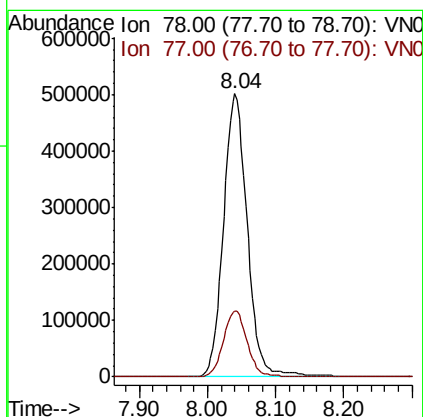
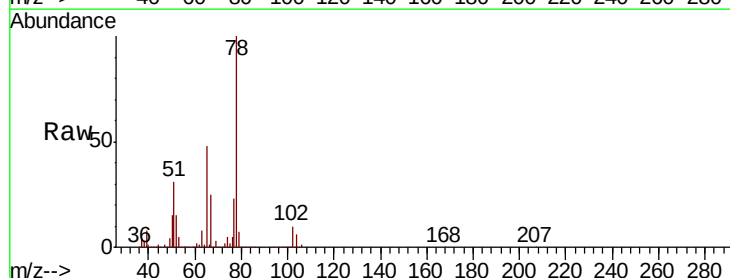
Manual Integrations
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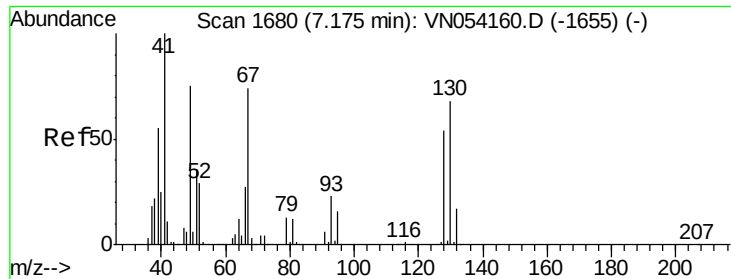
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#40
Benzene
Concen: 20.816 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





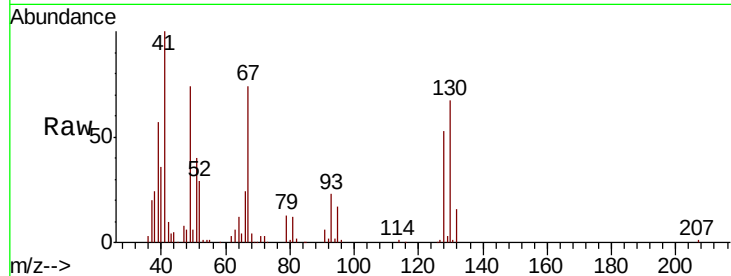
#41
Methacrylonitrile
Concen: 18.074 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.9	46.8	70.2
67	93.1	67.0	100.4
52	36.9	26.5	39.7

Manual Integrations
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MMDadoda
3/13/2019 11:41:18 AM



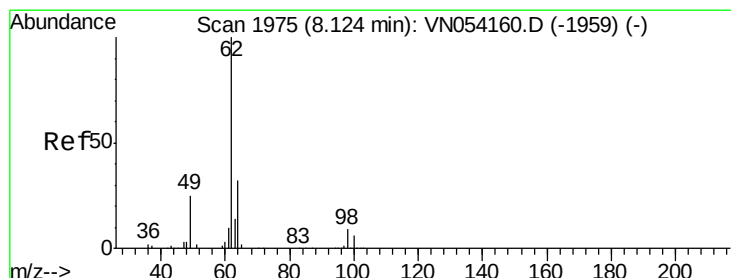
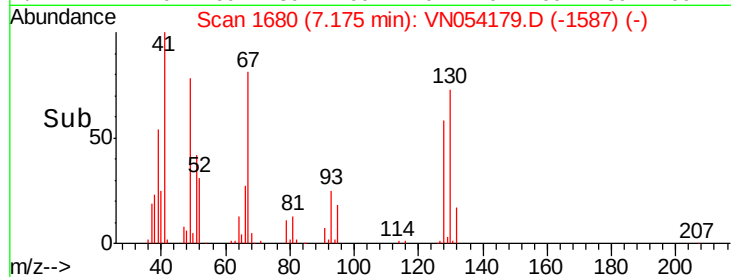
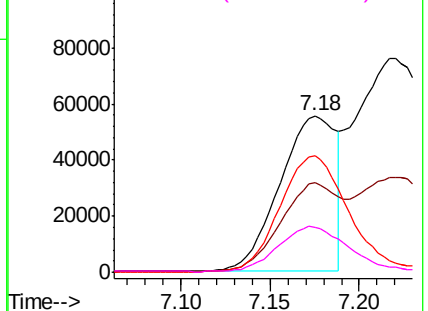
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

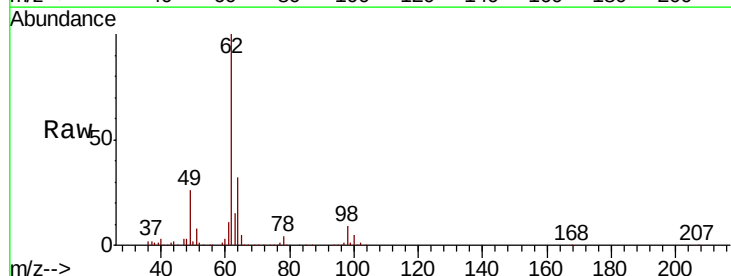
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 20.827 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

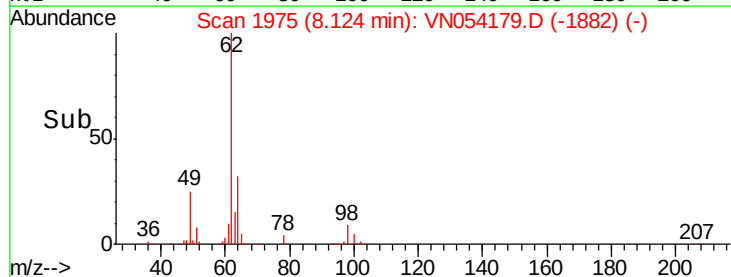
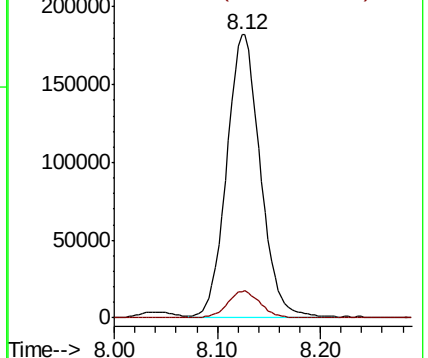
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

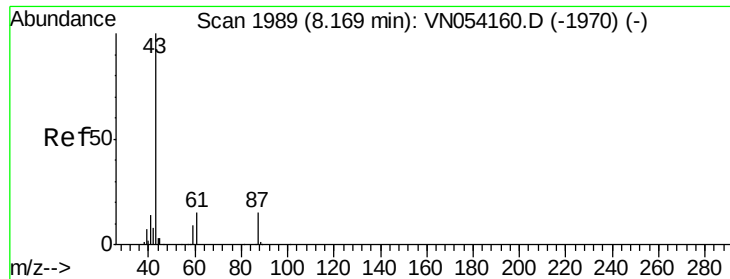


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





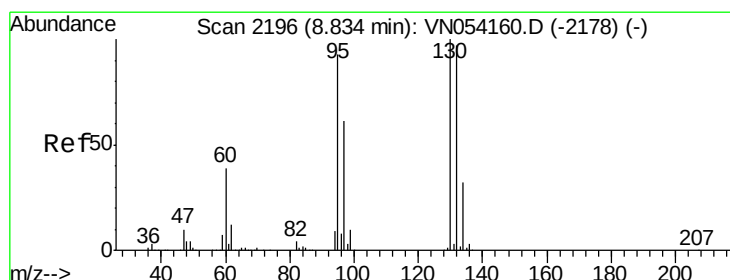
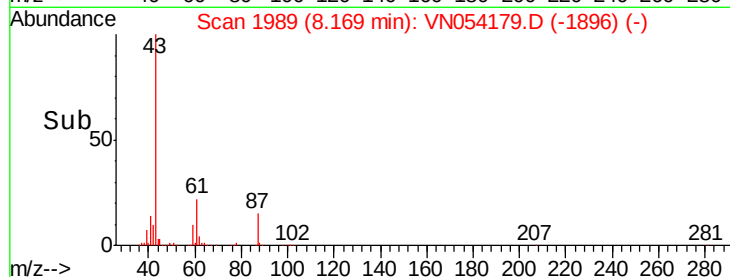
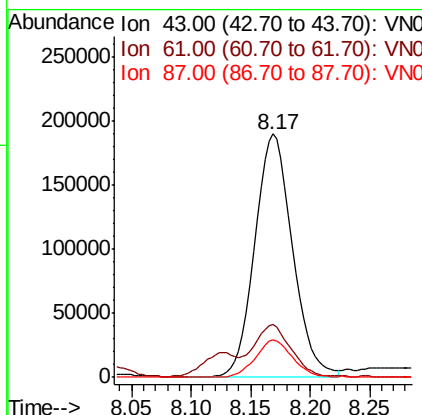
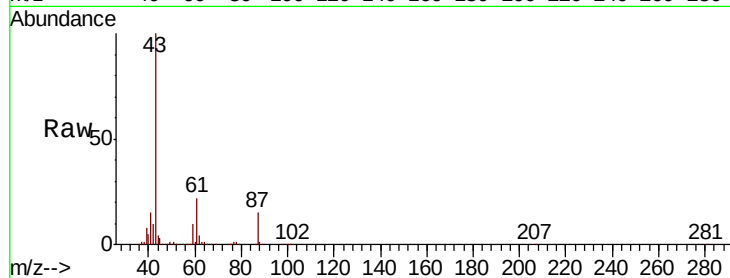
#43
Isopropyl Acetate
Concen: 20.130 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.8	15.8	23.8
87	15.2	12.0	18.0

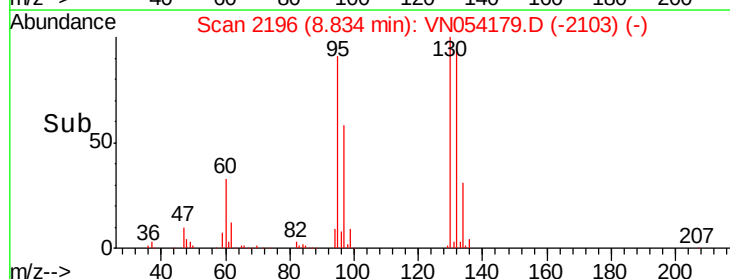
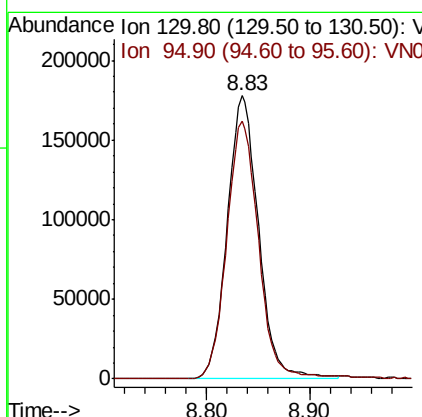
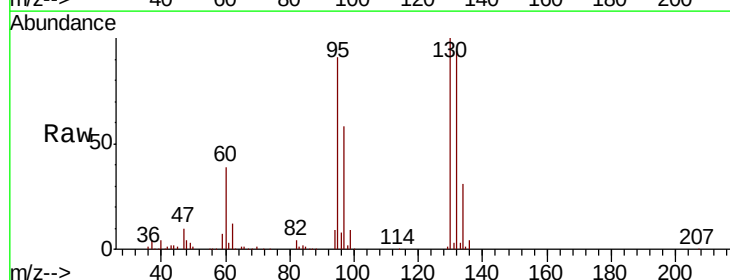
Manual Integrations
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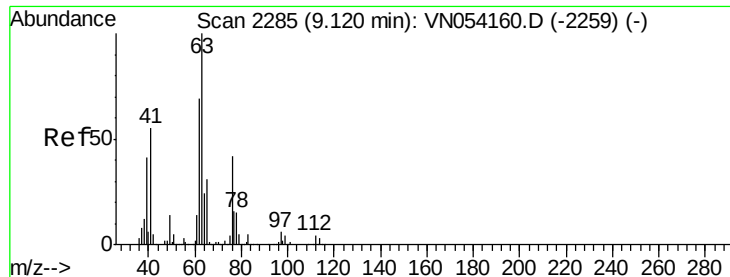
MMDadoda
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#44
Trichloroethene
Concen: 20.737 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	185.2





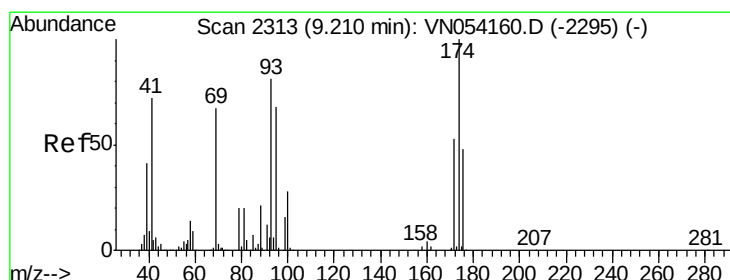
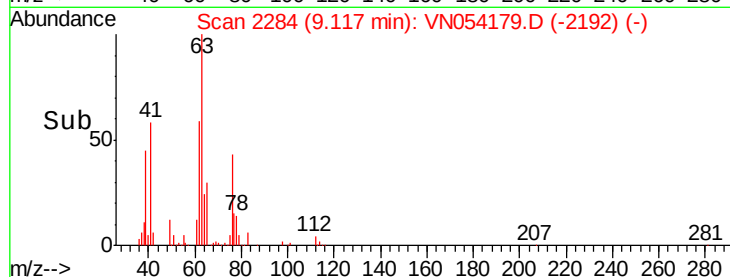
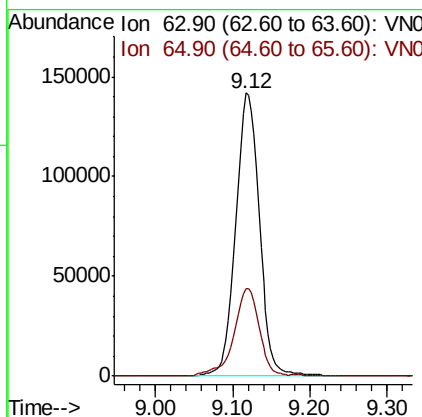
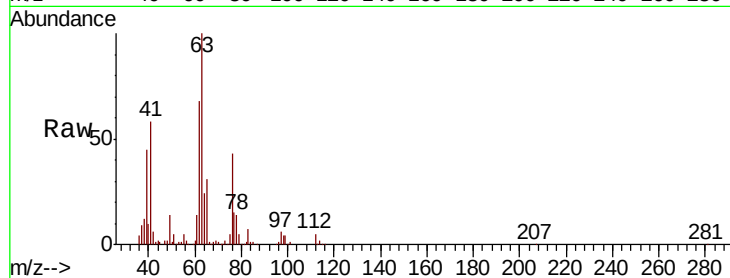
#45
1,2-Dichloropropane
Concen: 20.699 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.6

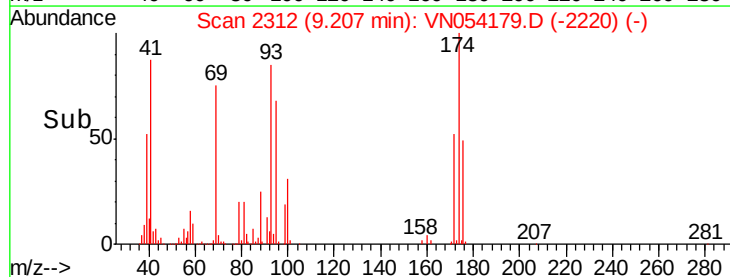
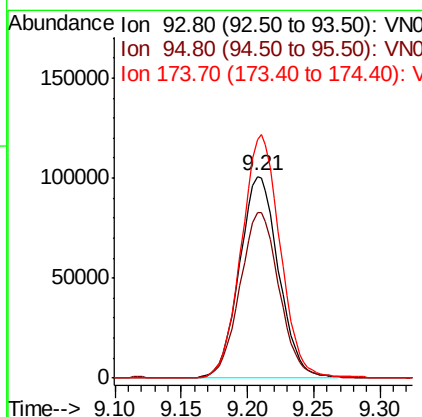
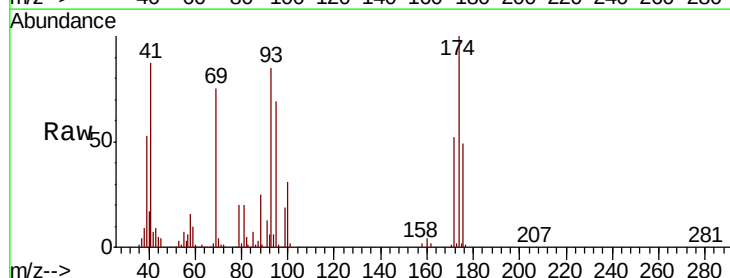
Manual Integrations
APPROVED

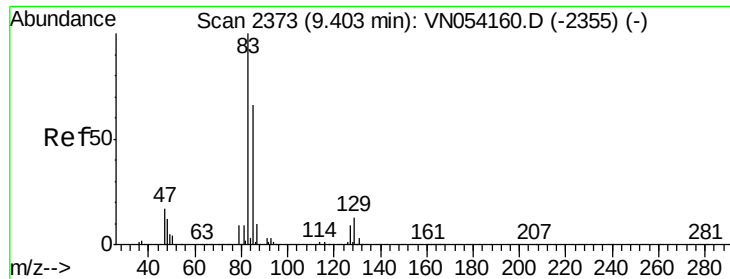
MMDadoda
3/13/2019 11:41:18 AM



#46
Dibromomethane
Concen: 21.069 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.7	100.1
174	119.9	98.5	147.7





#47

Bromodichloromethane

Concen: 20.424 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

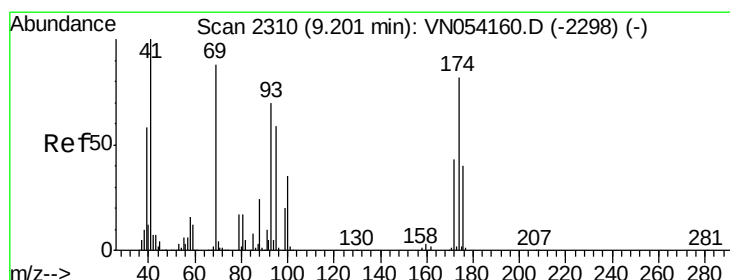
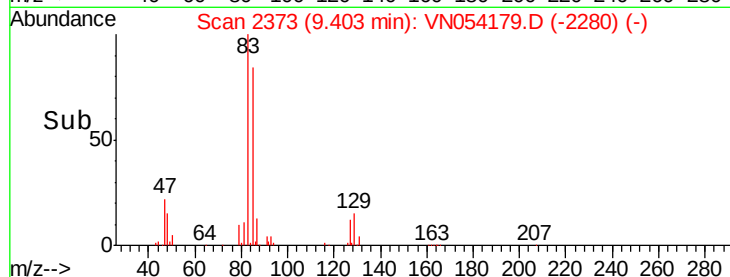
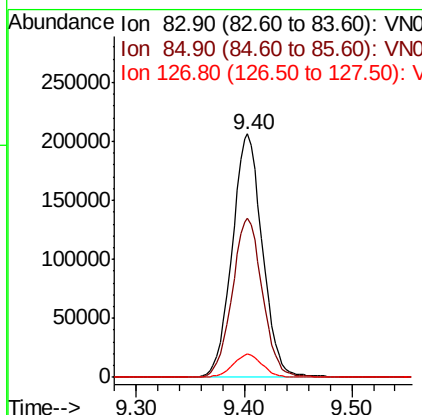
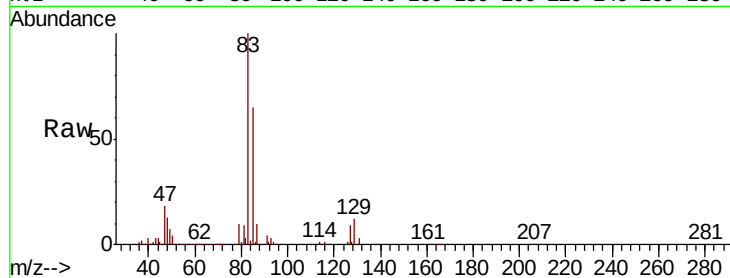
ClientSampleId :

VN0312WBS02

Tgt Ion:	83	Resp:	401772
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.8	79.2
127	9.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.108 ug/l

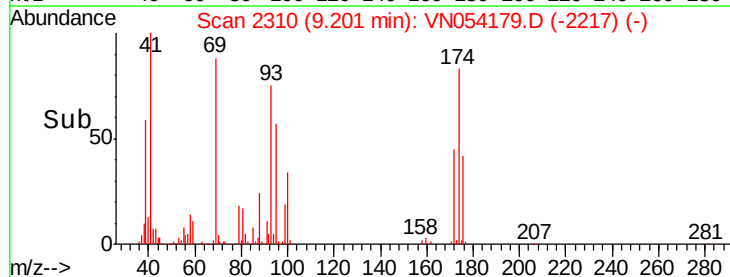
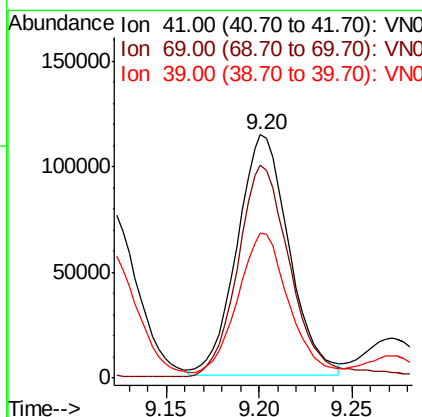
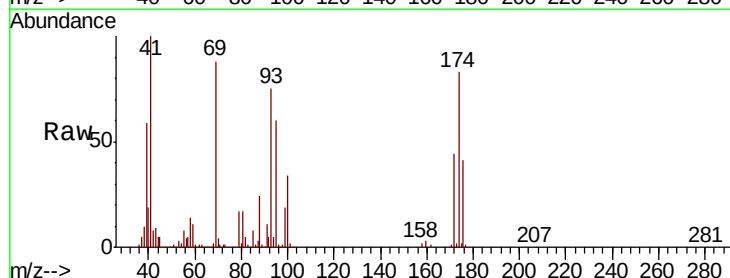
RT: 9.20 min Scan# 2310

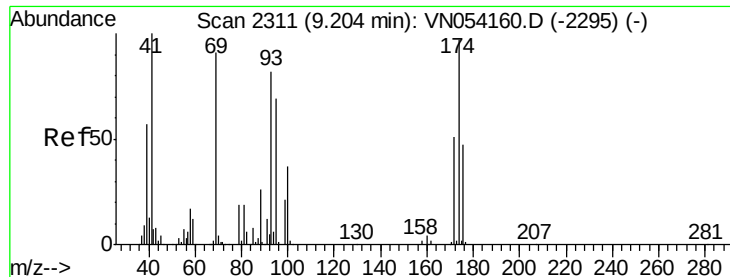
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	41	Resp:	220819
Ion Ratio	Lower	Upper	
41	100		
69	90.5	72.6	108.8
39	60.4	47.5	71.3





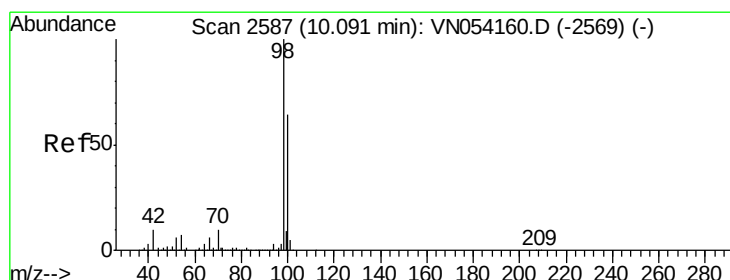
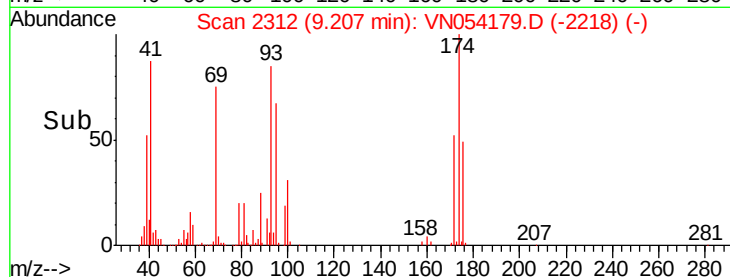
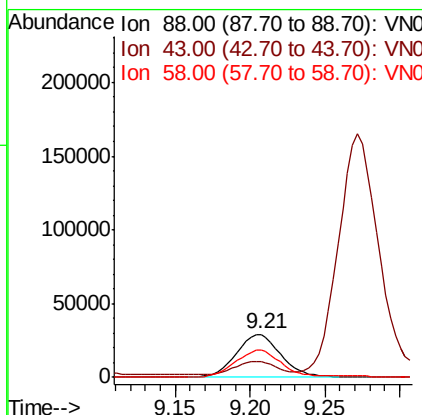
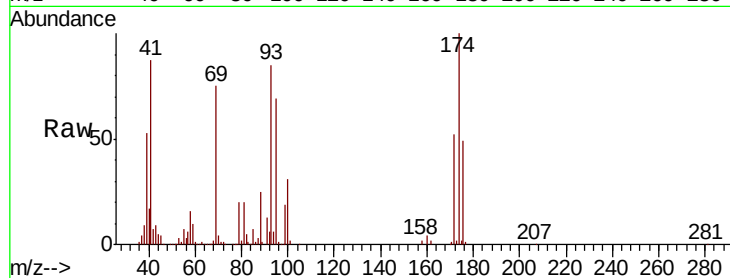
#49
1,4-Dioxane
Concen: 413.591 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.1	36.1
58	64.6	50.8	76.2

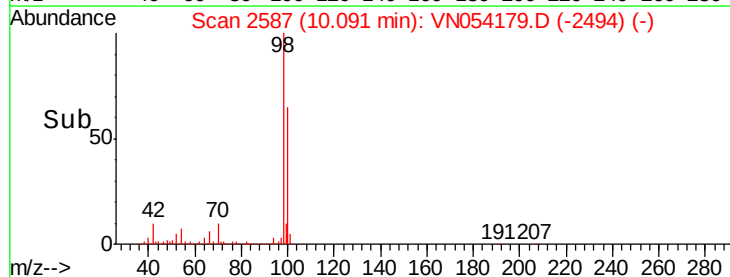
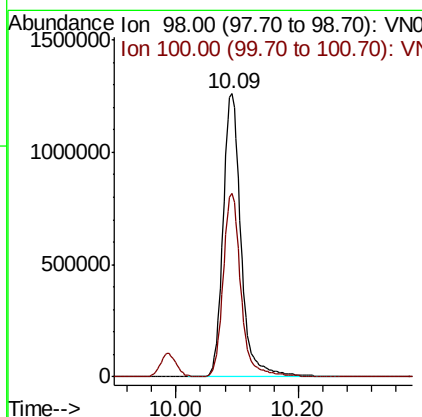
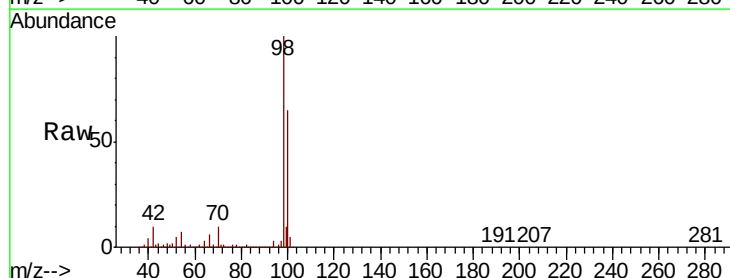
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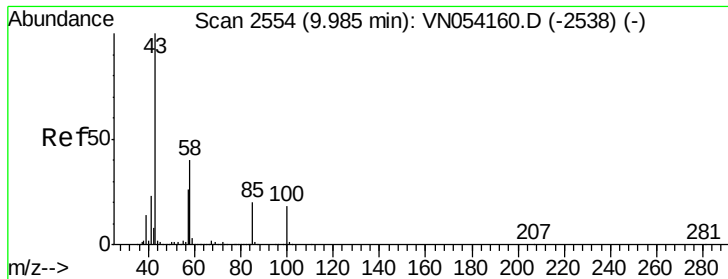
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#50
Toluene-d8
Concen: 48.220 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





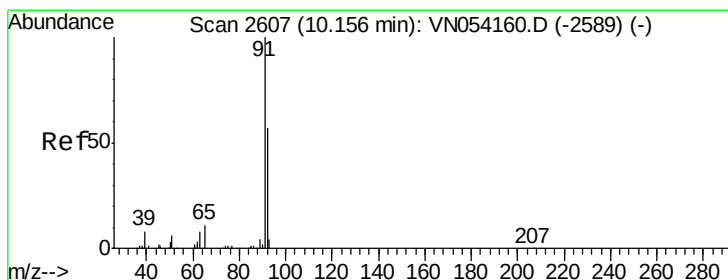
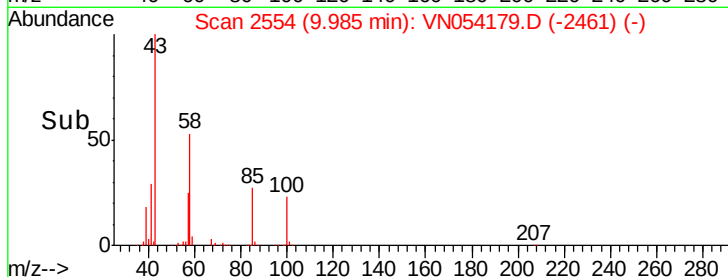
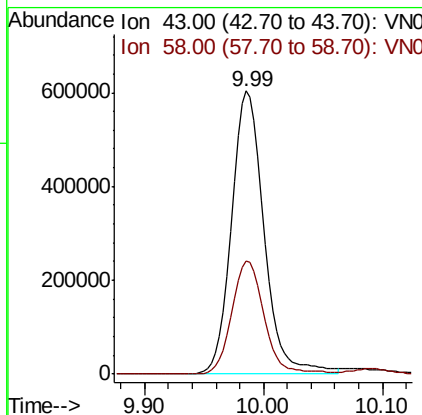
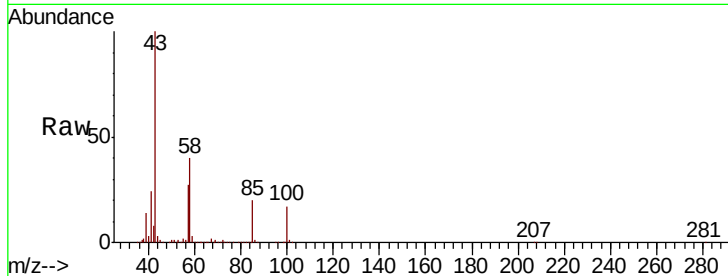
#51
4-Methyl-2-Pentanone
Concen: 104.300 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion: 43 Resp: 1137808
Ion Ratio Lower Upper
43 100
58 40.2 31.8 47.6

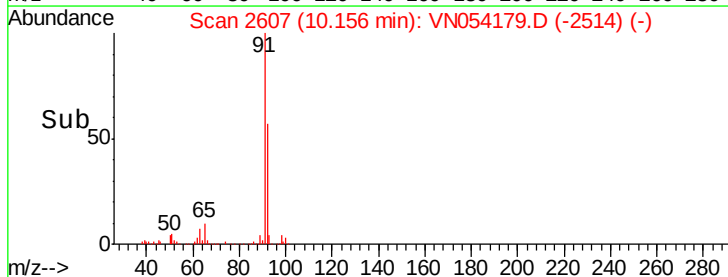
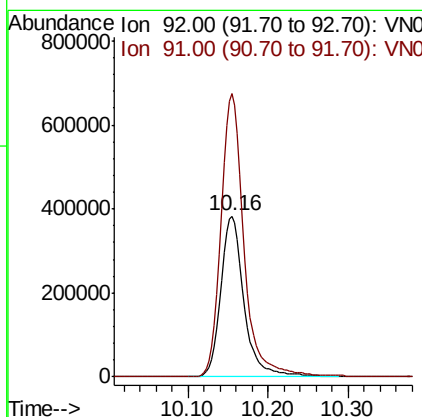
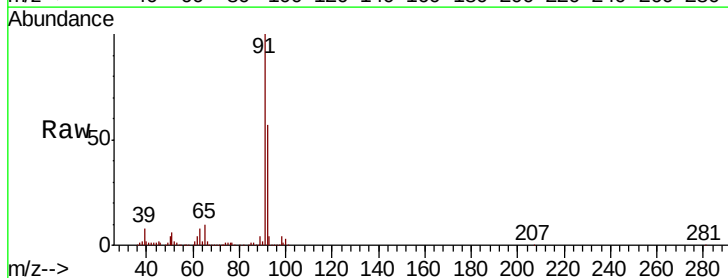
Manual Integrations
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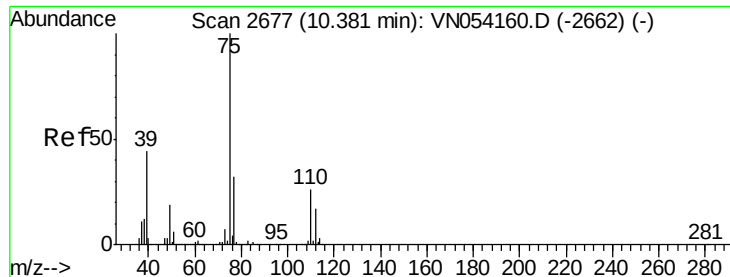
MMDadoda
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#52
Toluene
Concen: 20.753 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 92 Resp: 769626
Ion Ratio Lower Upper
92 100
91 174.5 140.7 211.1





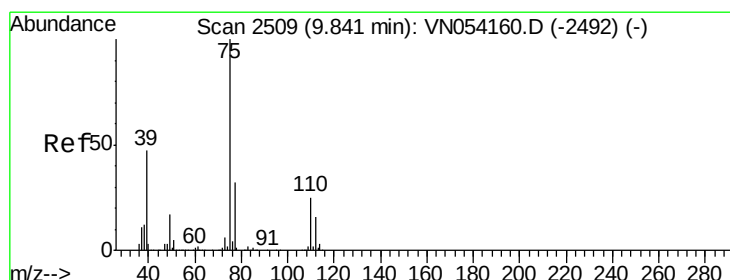
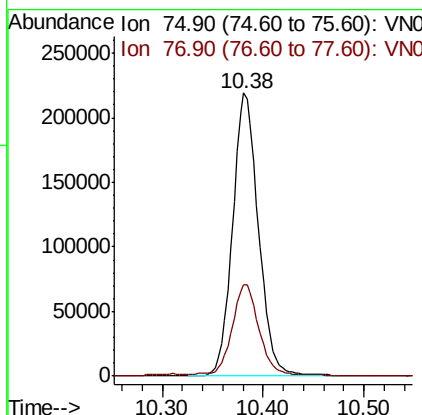
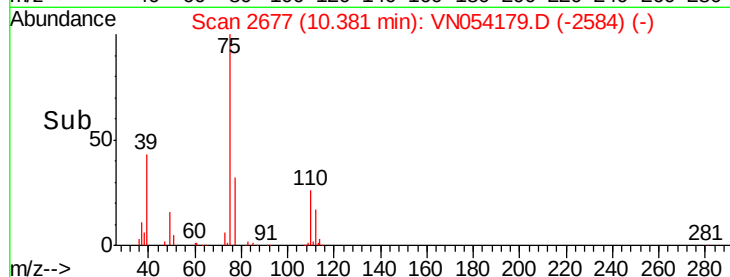
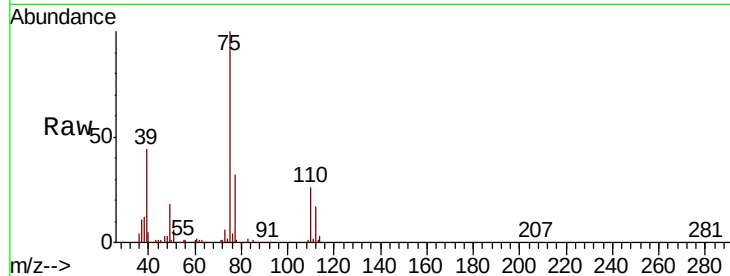
#53
t-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS02

Tgt Ion: 75 Resp: 390819
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8

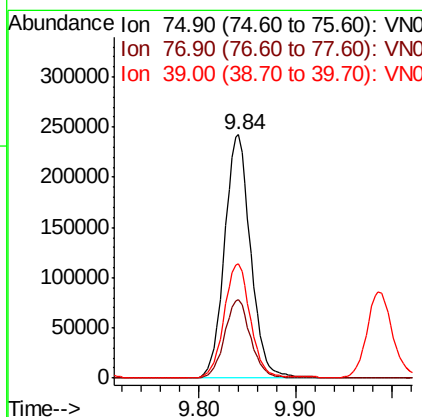
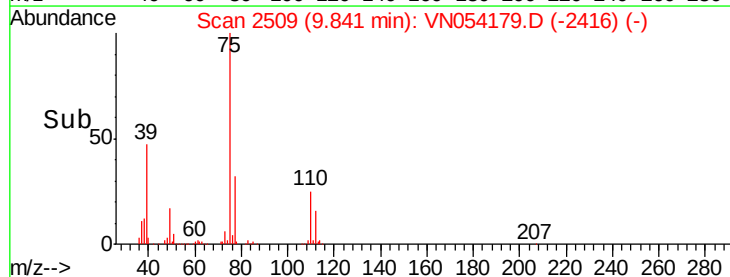
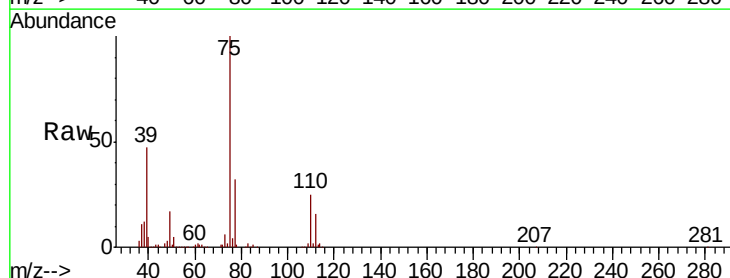
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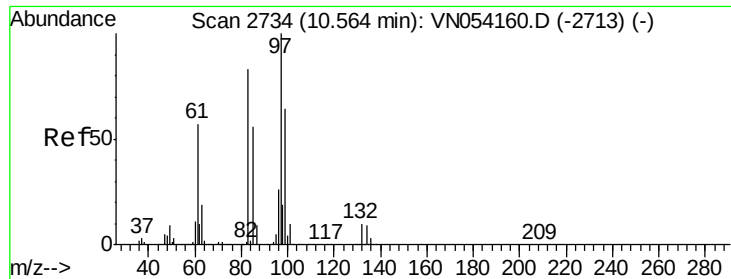
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.829 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 75 Resp: 454558
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 46.7 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 20.772 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

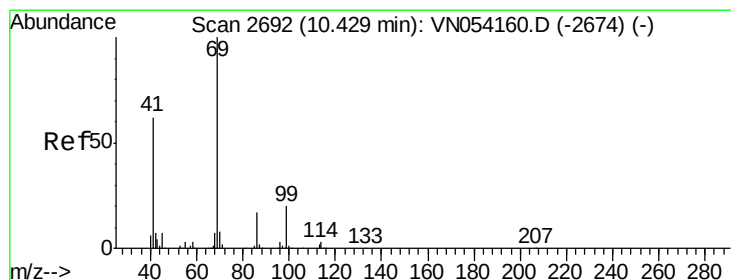
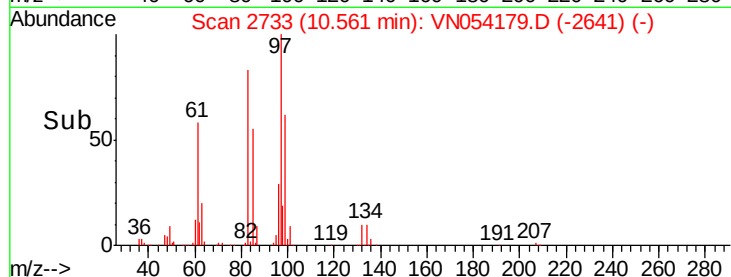
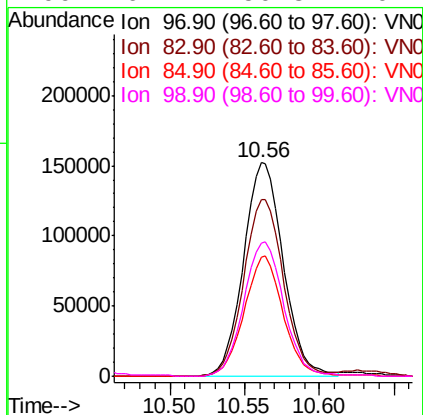
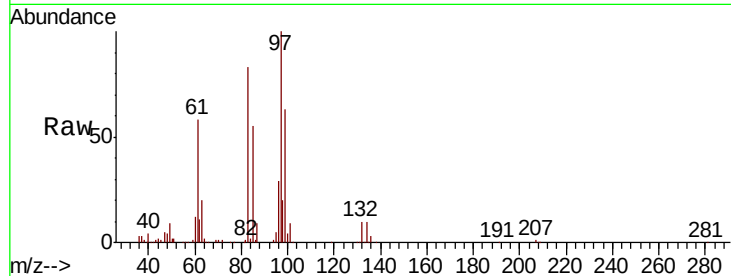
ClientSampleId :

VN0312WBS02

Tgt Ion:	97	Resp:	281284
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.6	100.0
85	55.5	44.4	66.6
99	62.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.494 ug/l

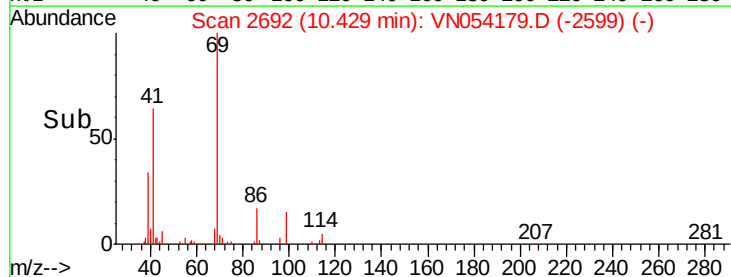
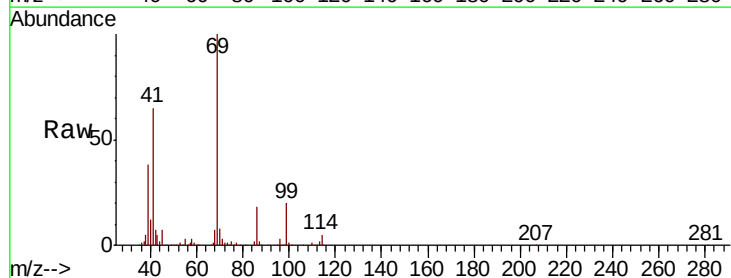
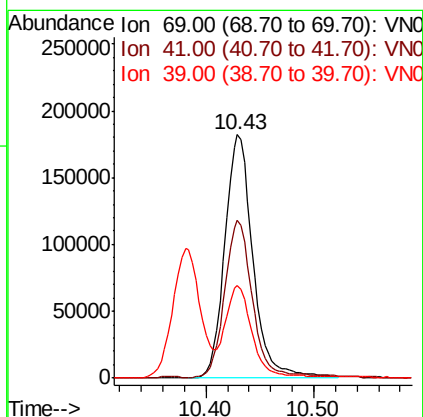
RT: 10.43 min Scan# 2692

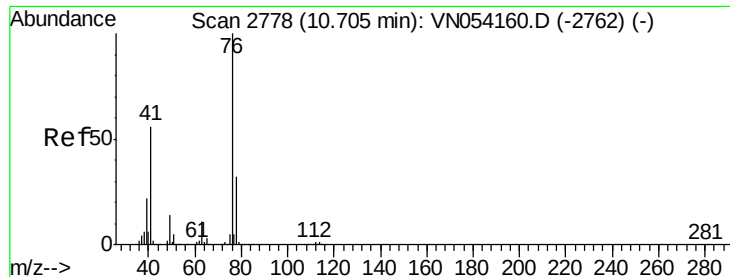
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	69	Resp:	330895
Ion	Ratio	Lower	Upper
69	100		
41	63.6	49.4	74.2
39	35.8	28.3	42.5





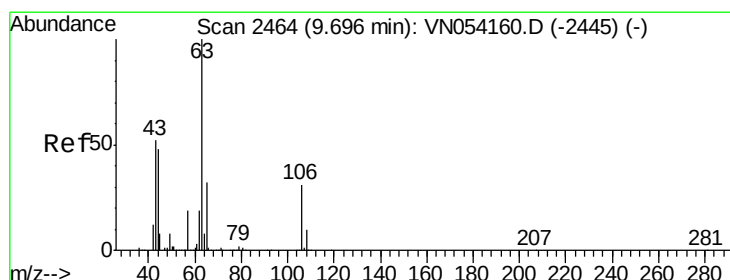
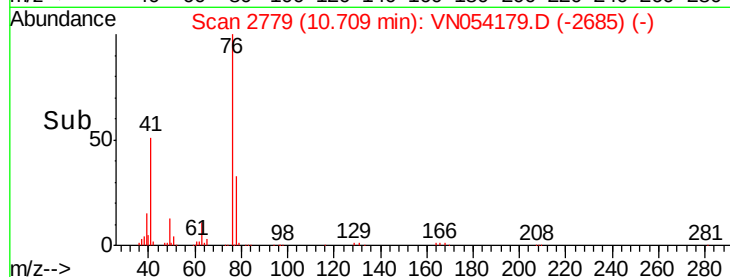
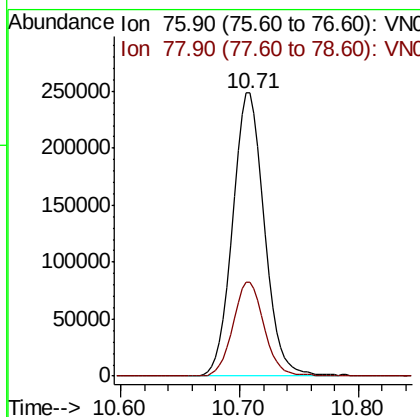
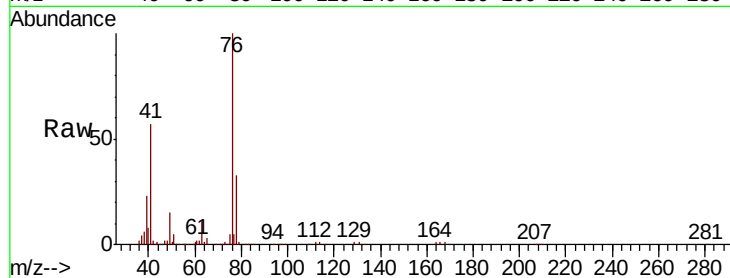
#57
 1,3-Dichloropropane
 Concen: 20.755 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS02

Tgt Ion: 76 Resp: 459545
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

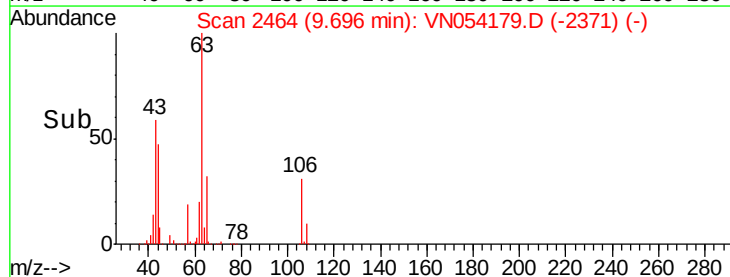
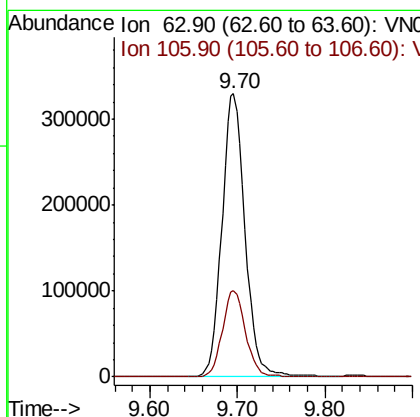
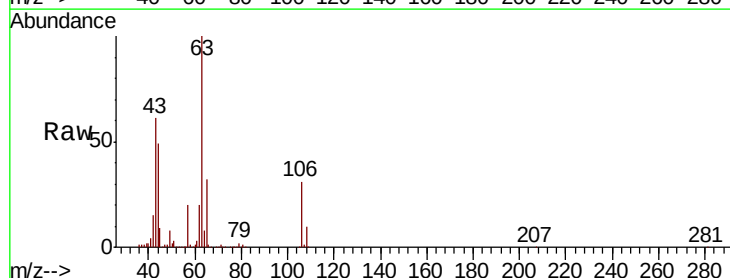
Manual Integrations
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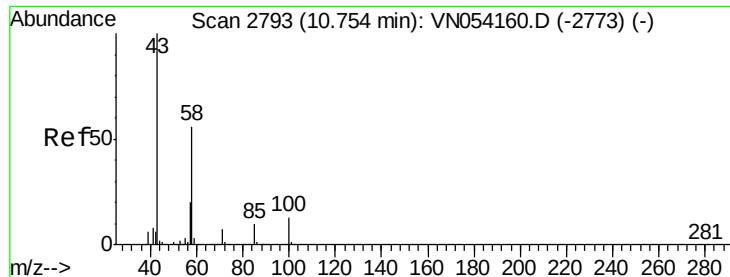
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.463 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion: 63 Resp: 605606
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





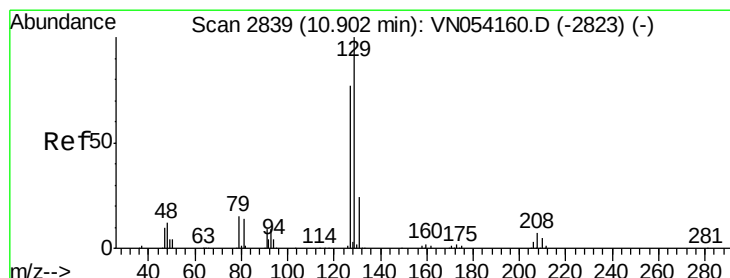
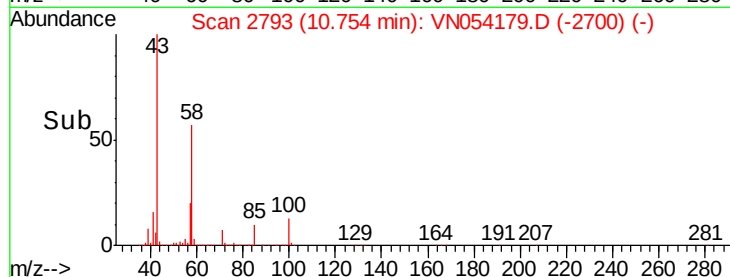
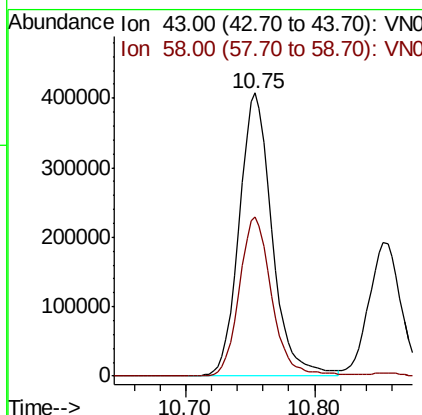
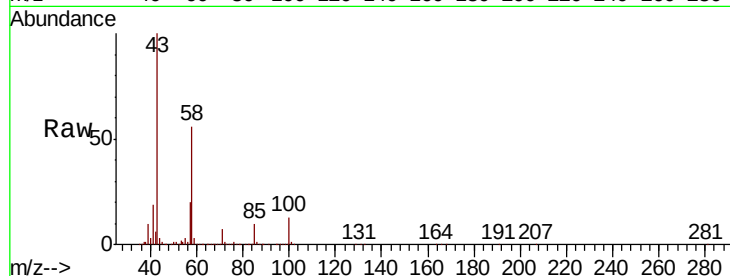
#59
2-Hexanone
Concen: 98.992 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion: 43 Resp: 718567
Ion Ratio Lower Upper
43 100
58 56.1 28.0 83.9

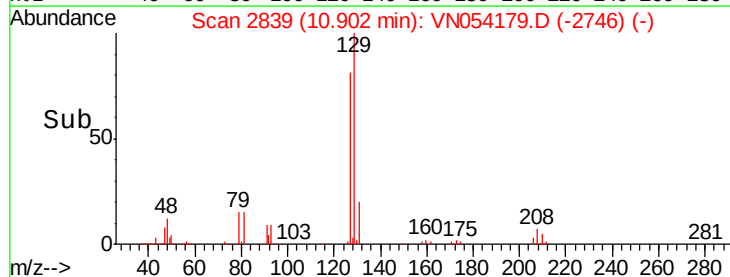
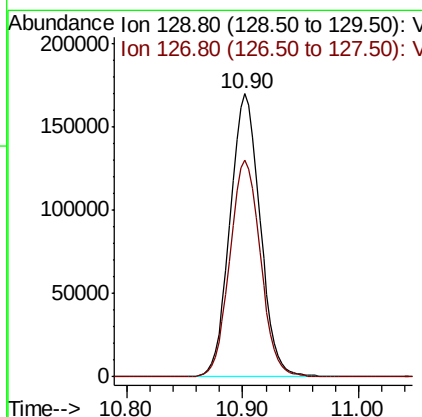
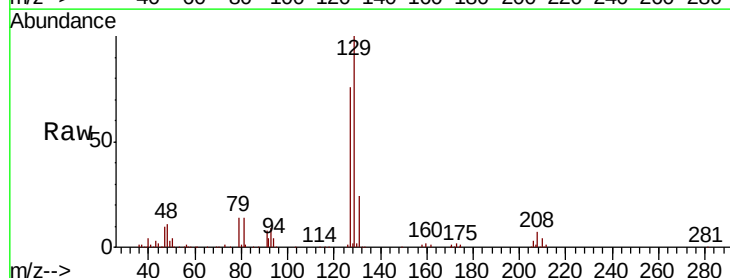
Manual Integrations
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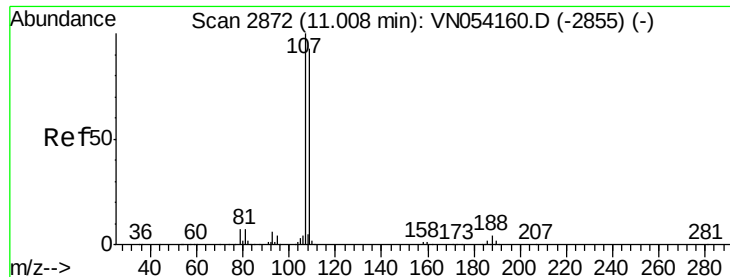
MMDadoda
3/13/2019 11:41:18 AM



#60
Dibromochloromethane
Concen: 20.015 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 129 Resp: 305063
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





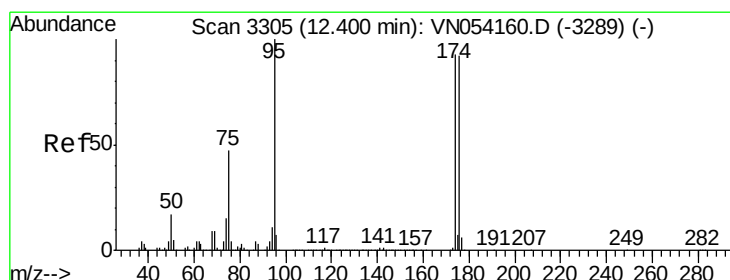
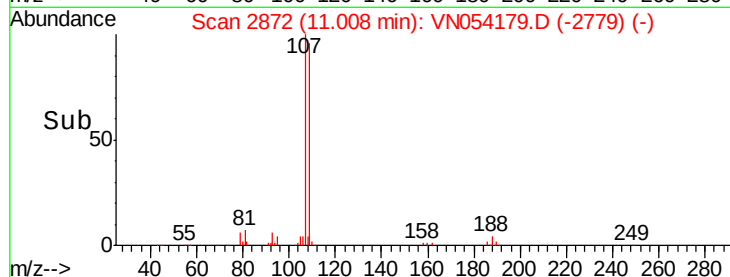
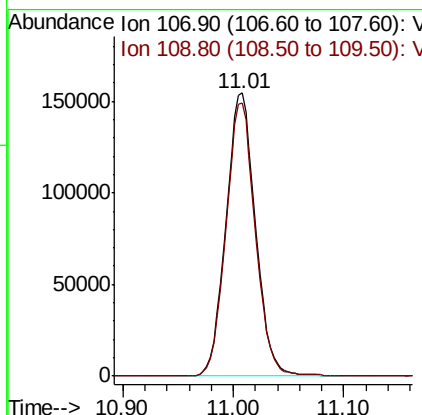
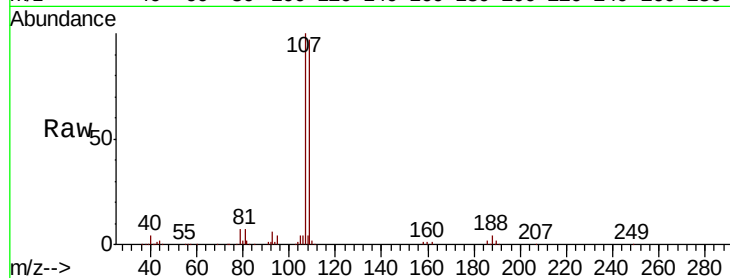
#61
1,2-Dibromoethane
Concen: 20.826 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	286587		
109	96.1	75.9	113.9	

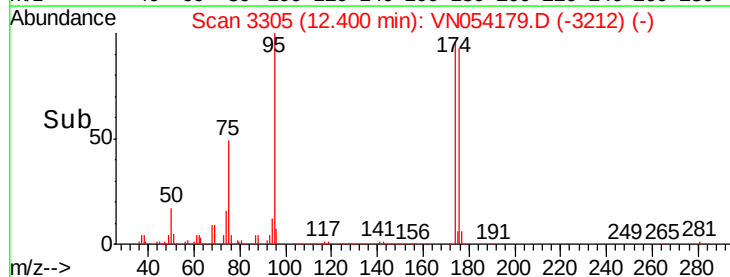
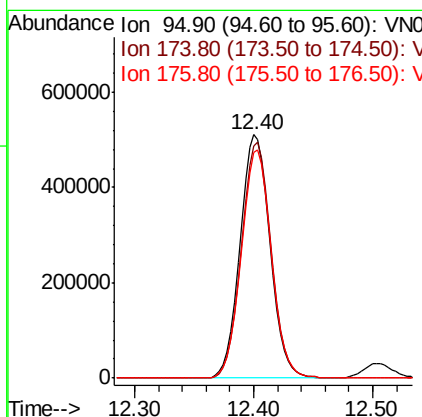
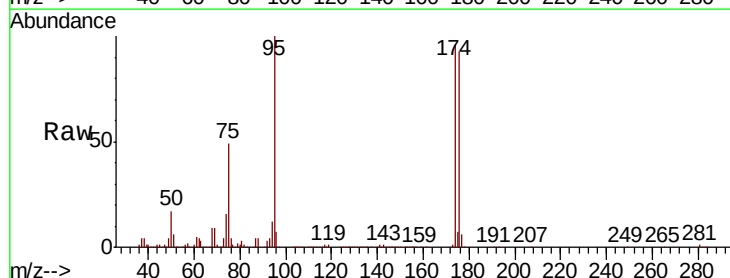
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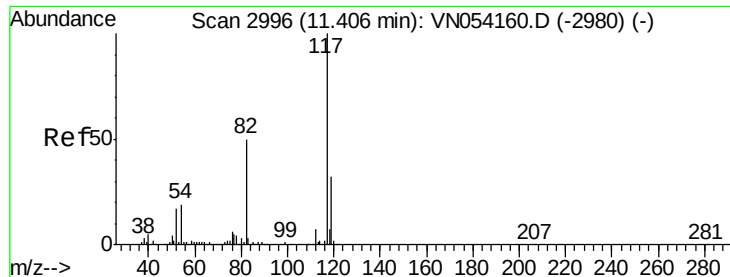
MMDadoda
3/13/2019 11:41:18 AM



#62
4-Bromofluorobenzene
Concen: 48.121 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	890107		
174	96.5	0.0	191.0	
176	94.0	0.0	187.4	





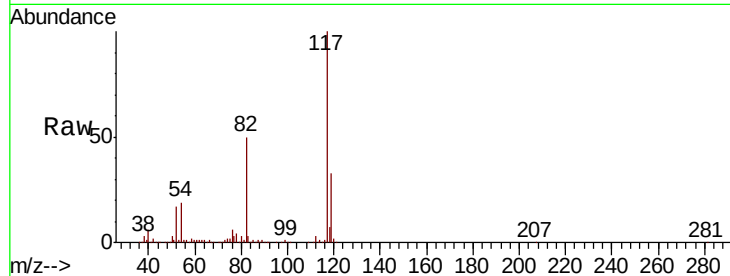
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.0	60.0
119	32.5	25.8	38.6

Manual Integrations
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MMDadoda
3/13/2019 11:41:18 AM

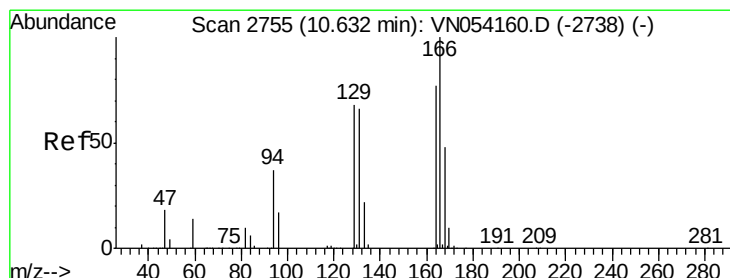
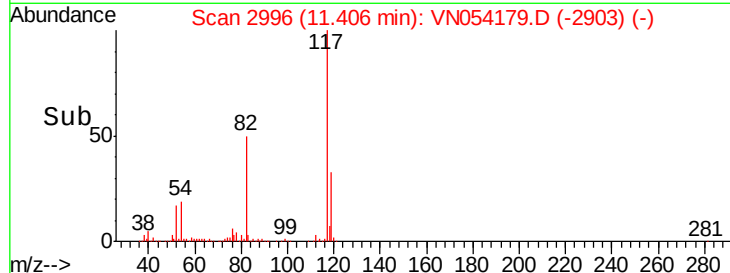
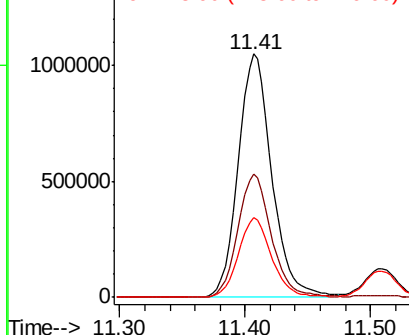


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.9	155.9
129	89.1	71.1	106.7
131	85.5	68.2	102.4

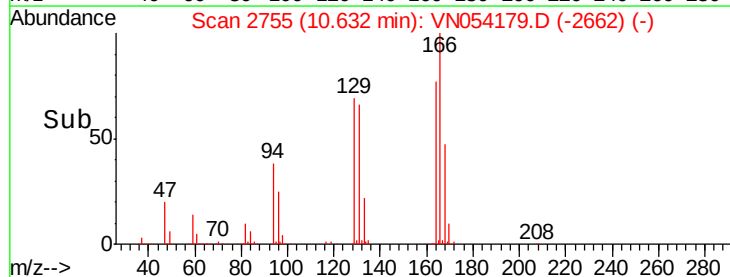
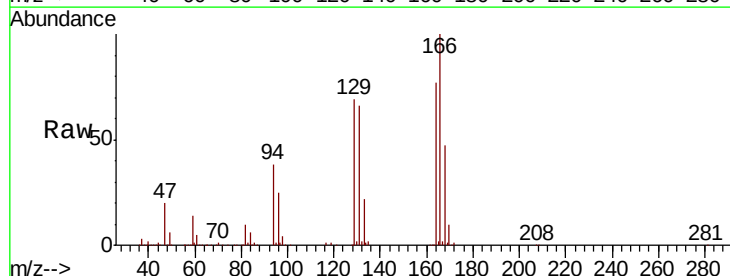
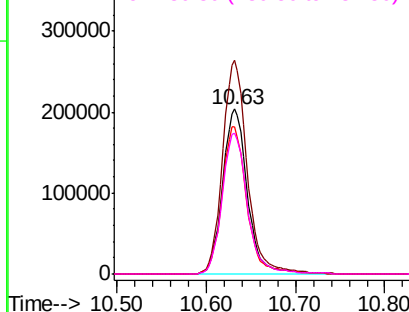
Abundance

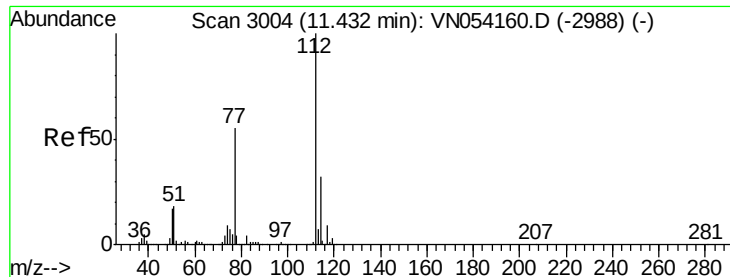
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





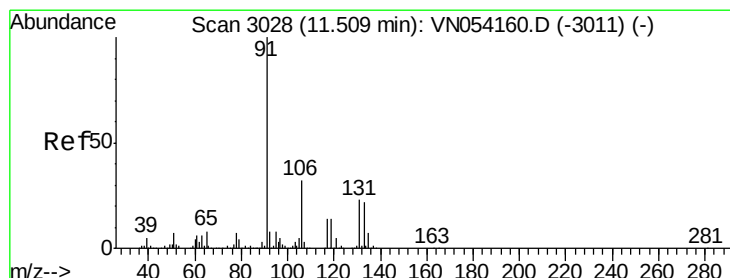
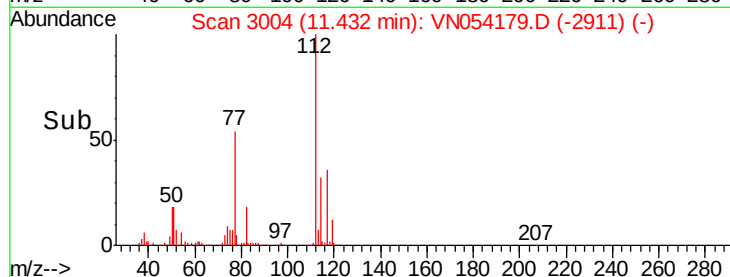
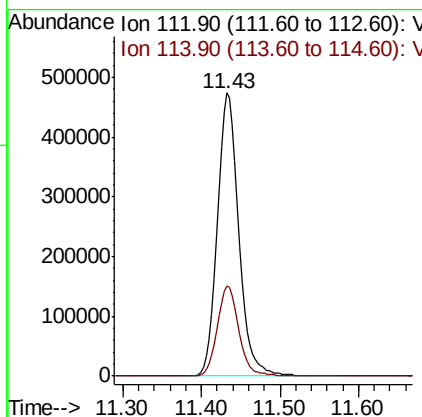
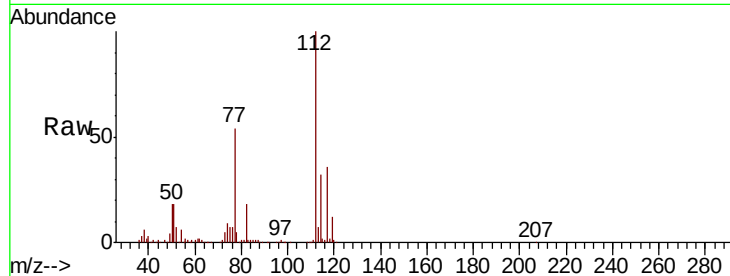
#65
Chlorobenzene
Concen: 20.638 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS02

Tgt Ion:112 Resp: 885619
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

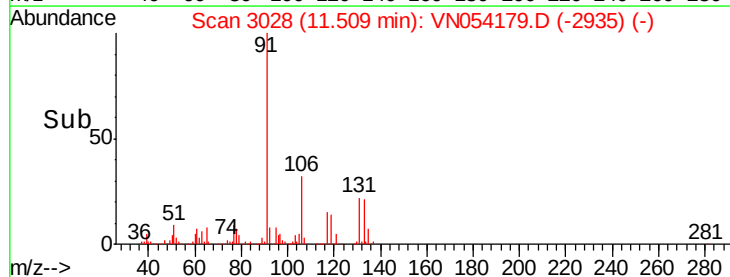
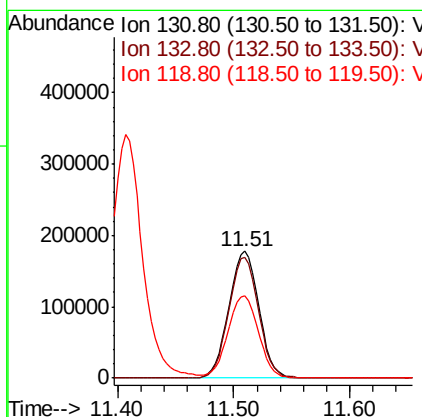
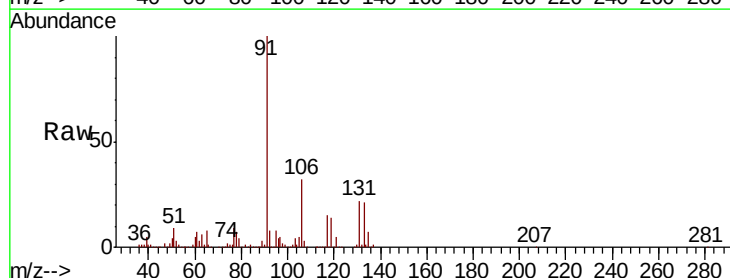
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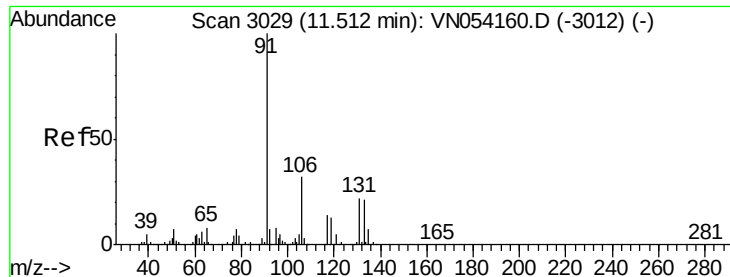
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.380 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion:131 Resp: 317693
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.276 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 91 Resp: 1442335

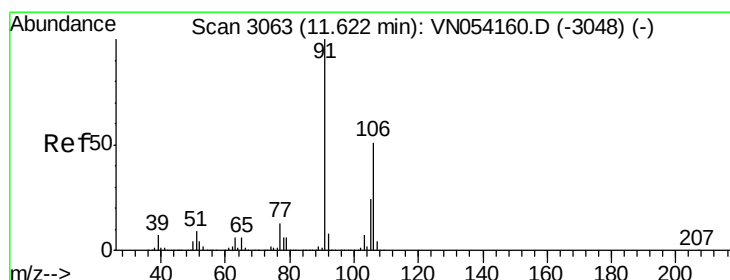
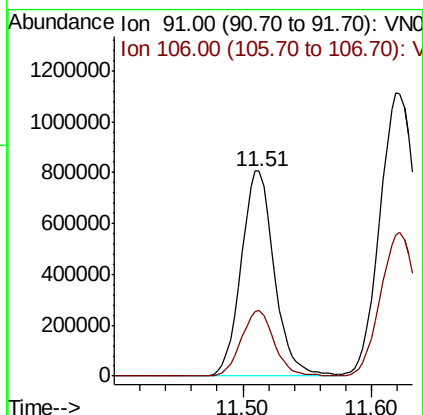
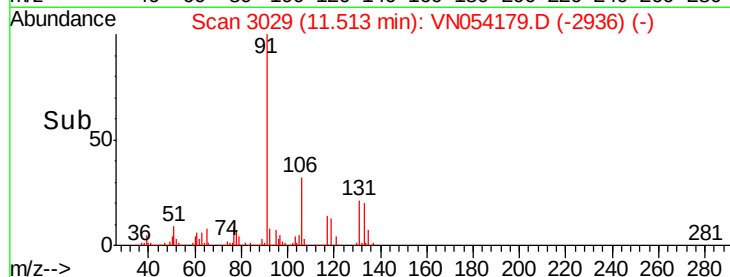
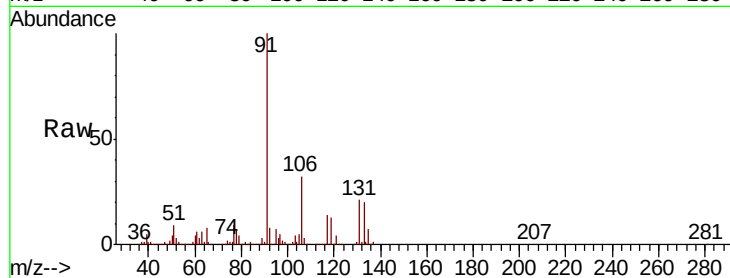
Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3

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#68

m/p-Xylenes

Concen: 40.836 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054179.D

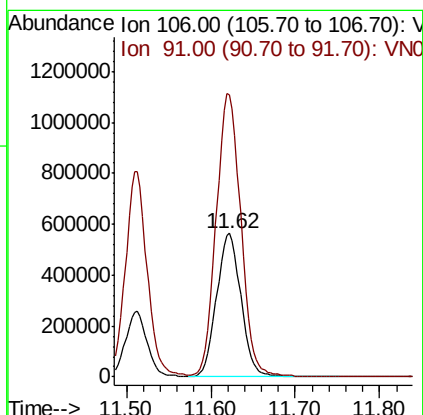
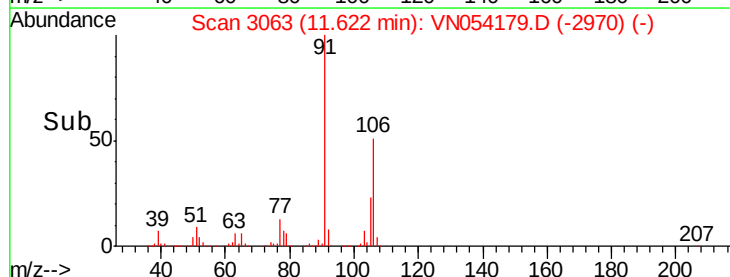
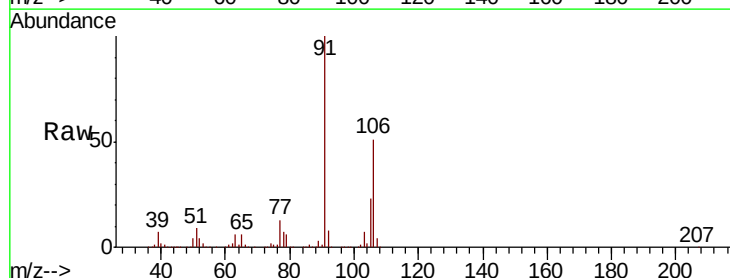
Acq: 12 Mar 2019 23:05

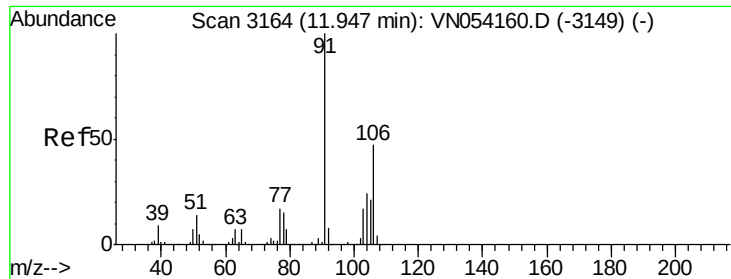
Tgt Ion: 106 Resp: 1135331

Ion Ratio Lower Upper

106 100

91 199.7 159.4 239.2





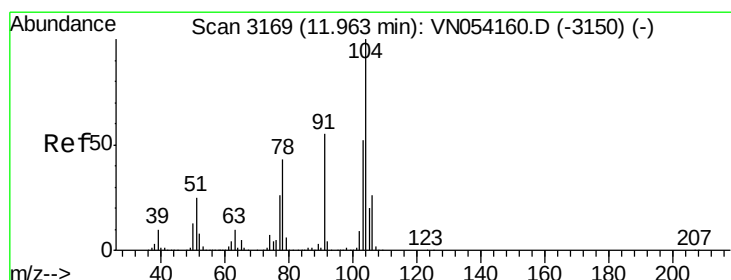
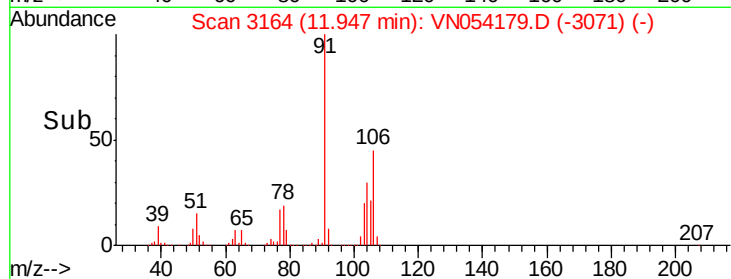
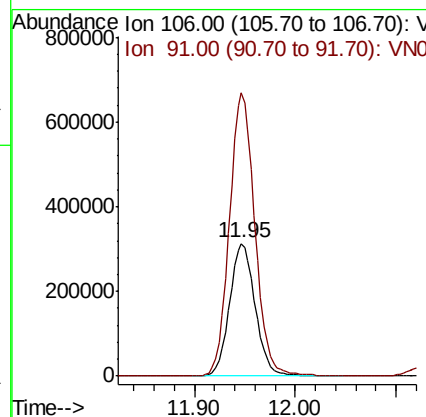
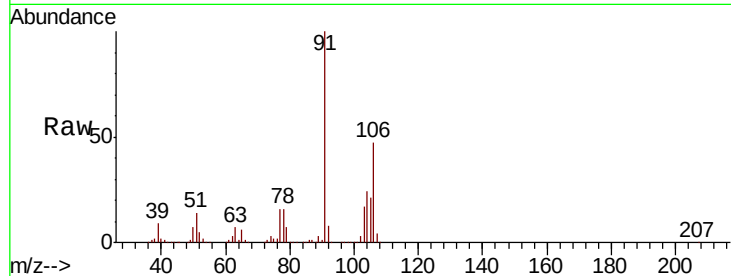
#69
o-Xylene
Concen: 20.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS02

Tgt Ion:106 Resp: 555171
Ion Ratio Lower Upper
106 100
91 212.3 105.7 317.1

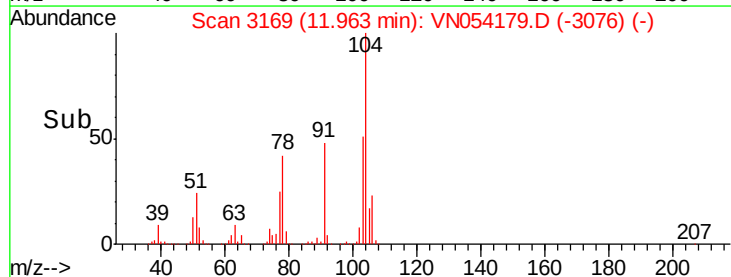
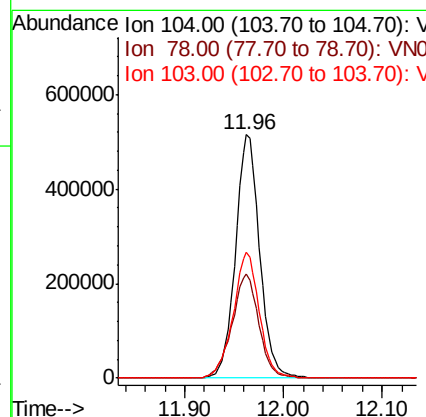
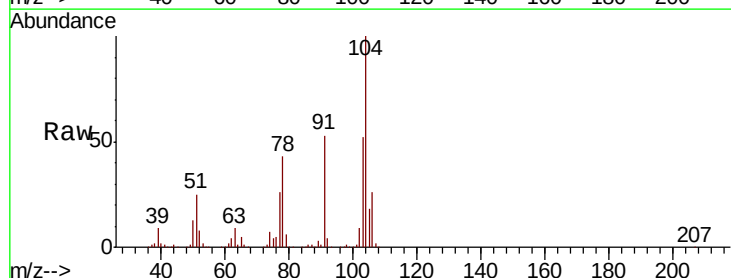
Manual Integrations
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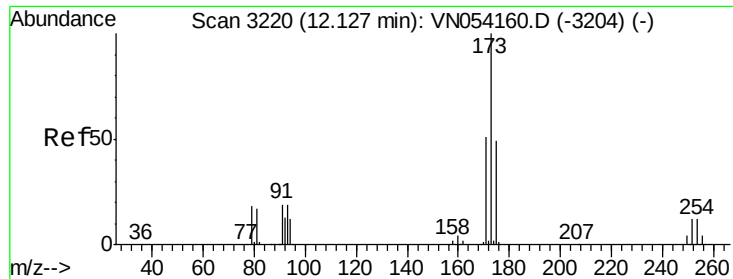
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#70
Styrene
Concen: 20.681 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion:104 Resp: 879066
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.8 44.4 66.6





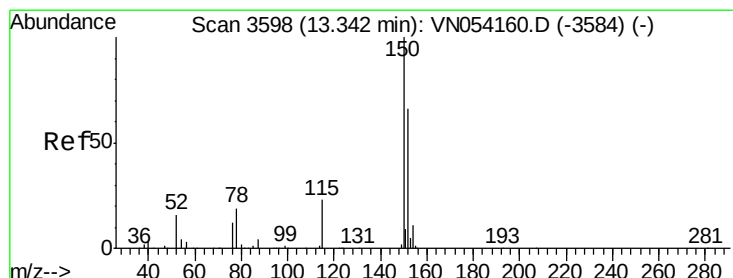
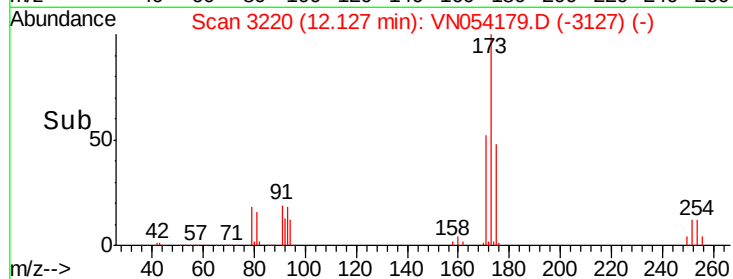
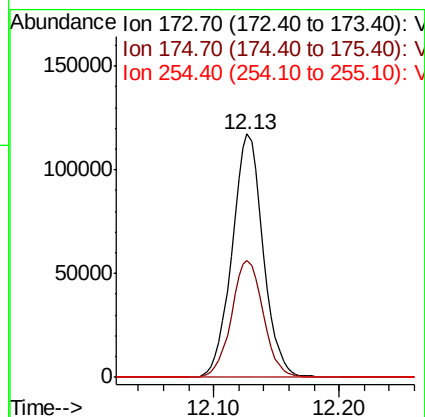
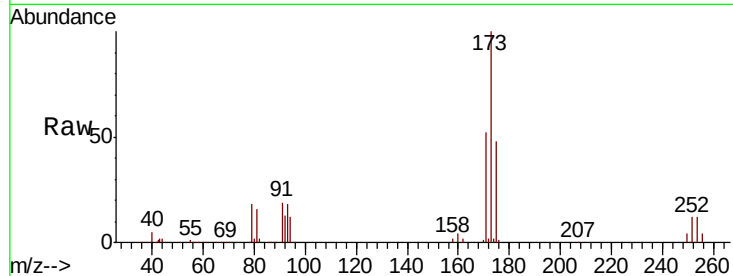
#71
Bromoform
Concen: 18.471 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

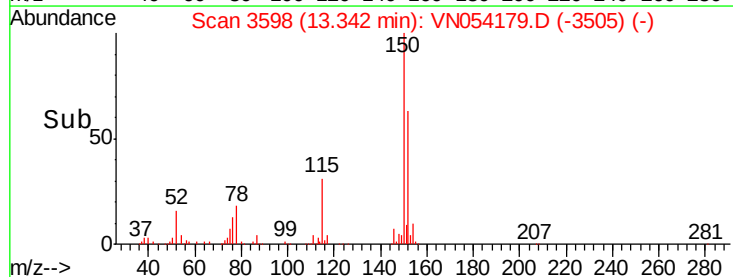
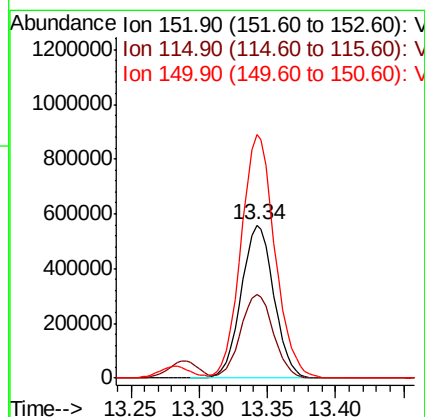
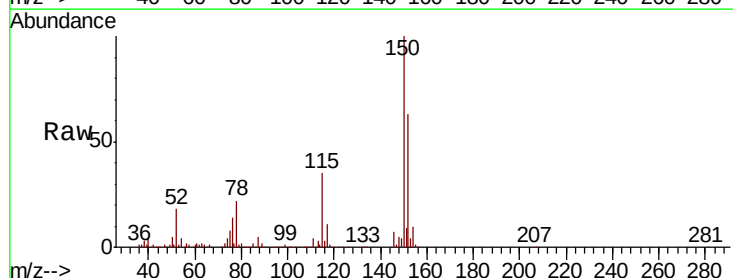
Manual Integrations
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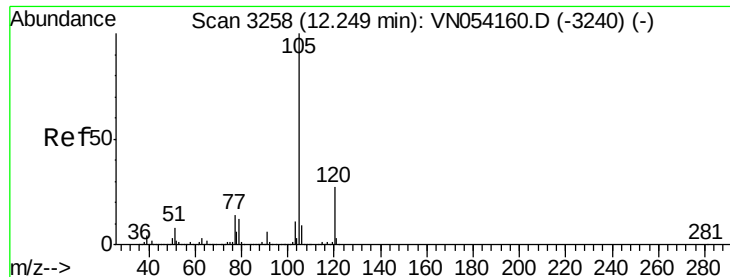
MMDadoda
3/13/2019 11:41:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.2	81.6
150	164.8	0.0	349.2





#73

Isopropylbenzene

Concen: 19.958 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 105 Resp: 1484119

Ion Ratio Lower Upper

105 100

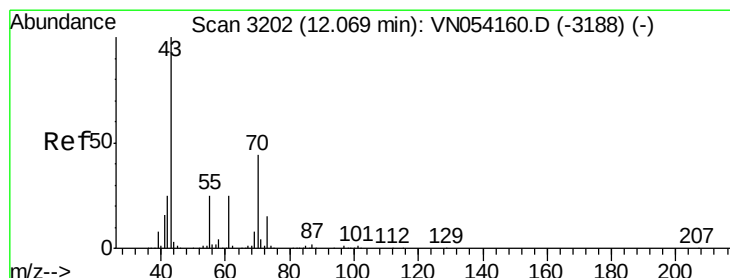
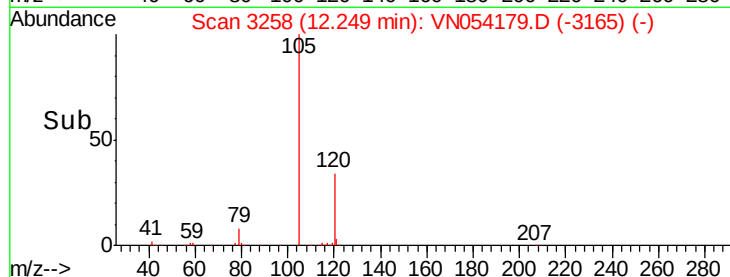
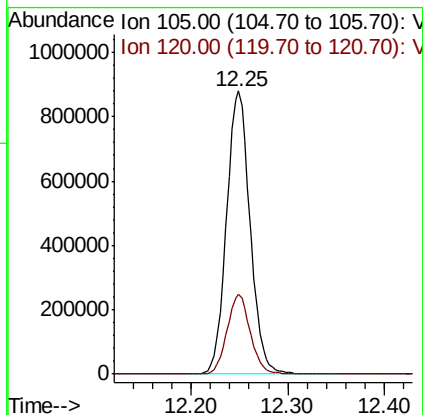
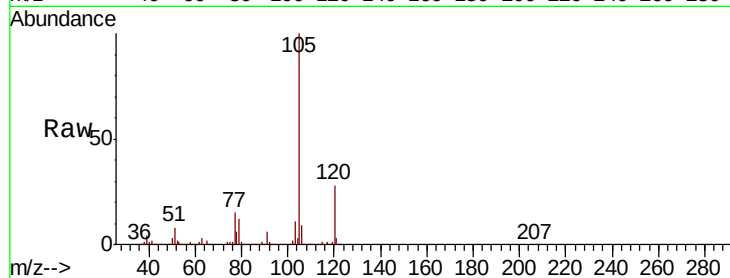
120 27.8 13.8 41.3

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#74

N-ethyl acetate

Concen: 20.066 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion: 43 Resp: 331209

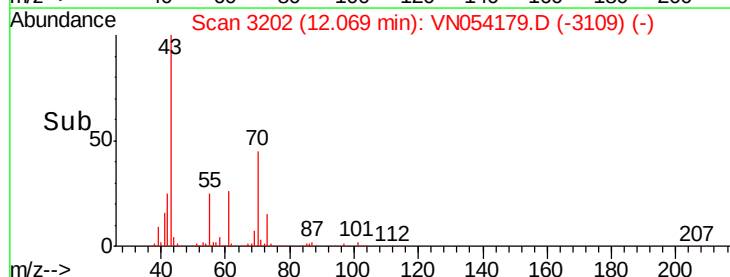
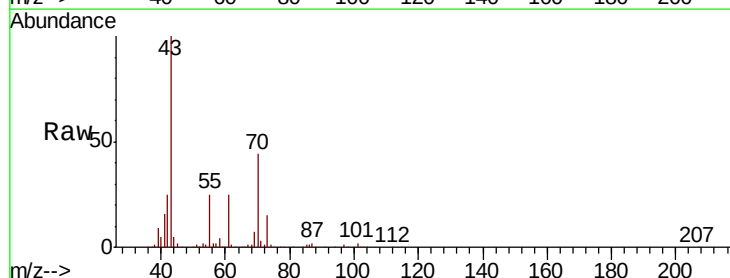
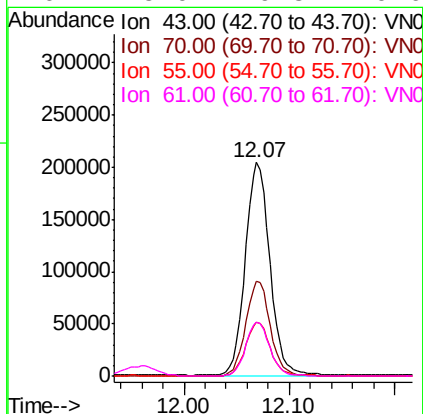
Ion Ratio Lower Upper

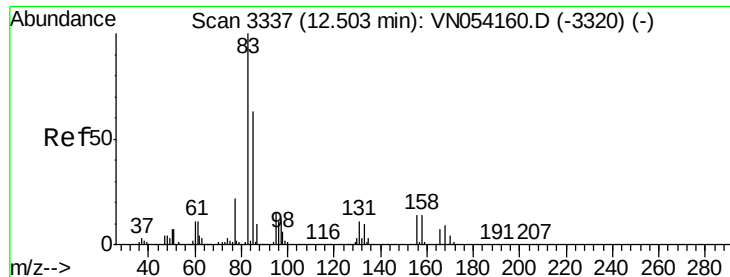
43 100

70 44.6 35.4 53.0

55 25.5 19.8 29.6

61 25.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.955 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion: 83 Resp: 316159
Ion Ratio Lower Upper

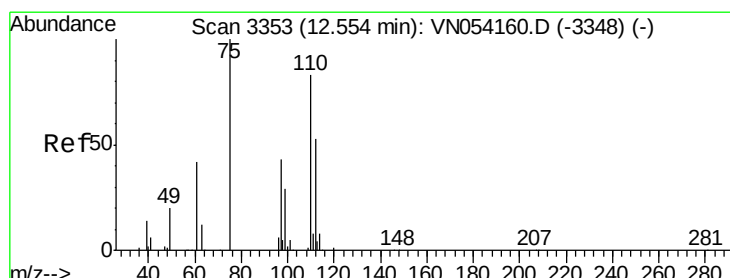
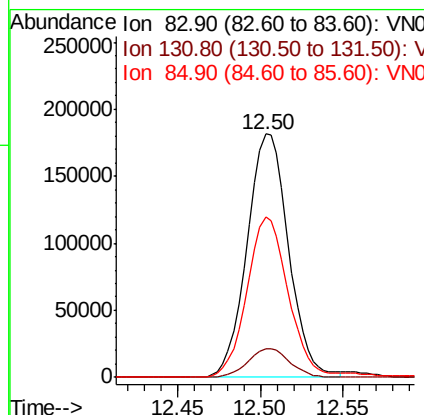
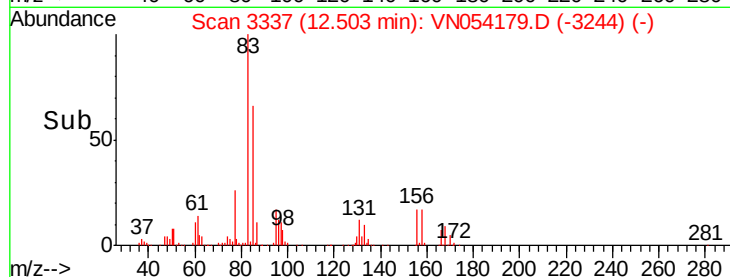
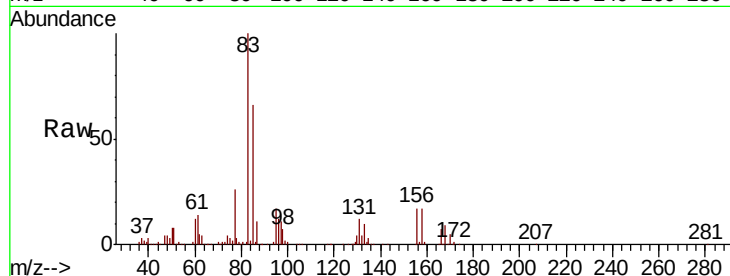
83 100

131 12.0 5.8 17.4

85 65.1 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 22.339 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

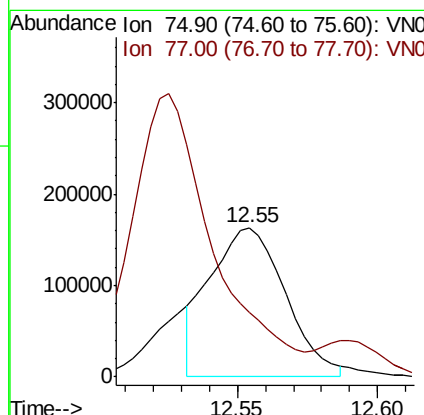
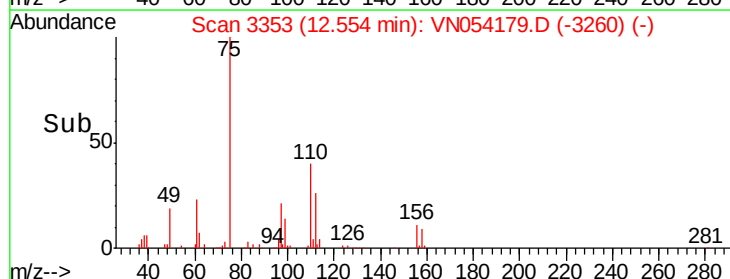
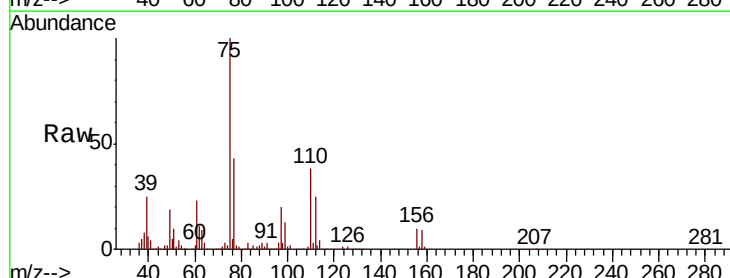
Lab File: VN054179.D

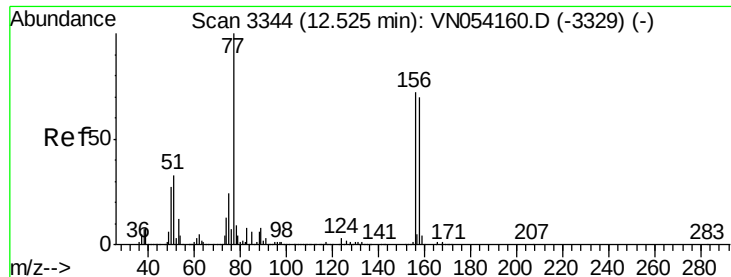
Acq: 12 Mar 2019 23:05

Tgt Ion: 75 Resp: 305343
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.808 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

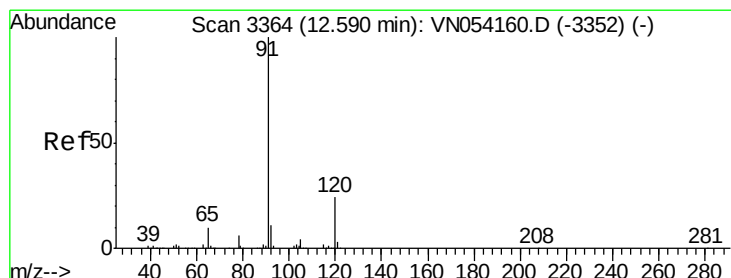
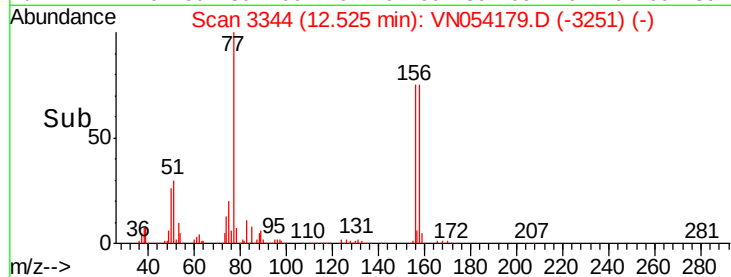
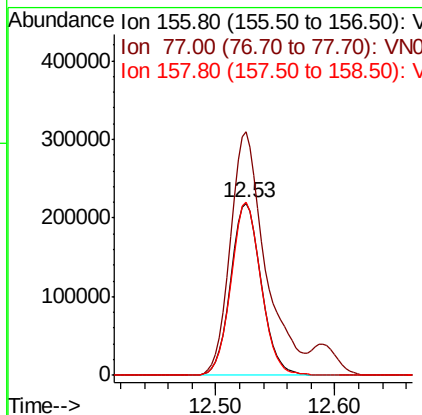
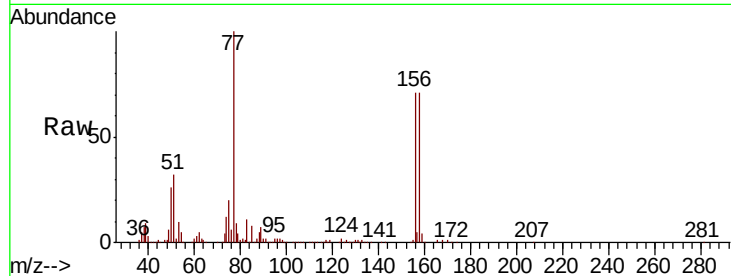
ClientSampleId :

VN0312WBS02

Tgt Ion:	156	Resp:	389781
Ion Ratio	Lower	Upper	
156	100		
77	161.3	81.5	244.4
158	98.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.905 ug/l

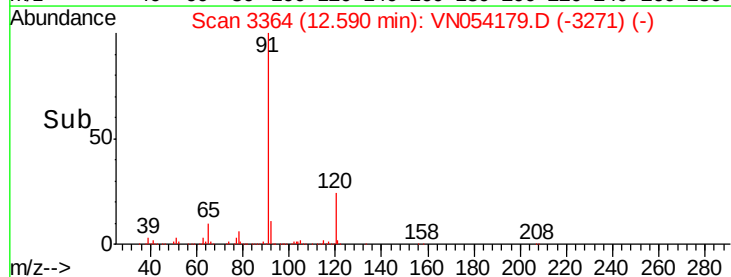
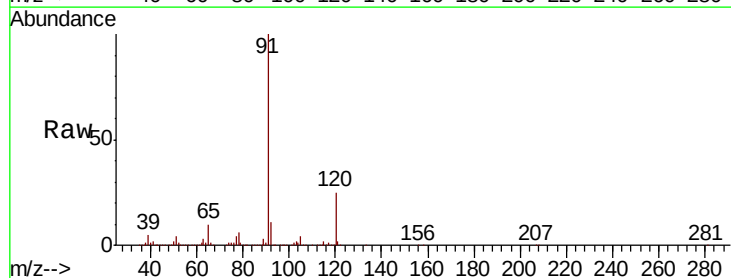
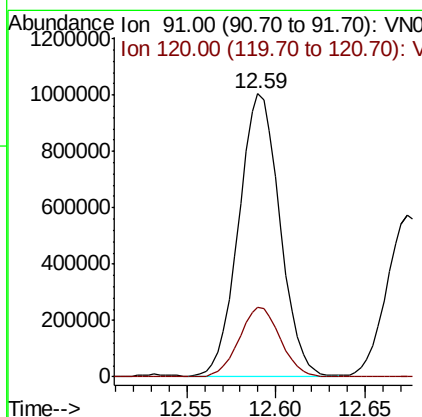
RT: 12.59 min Scan# 3364

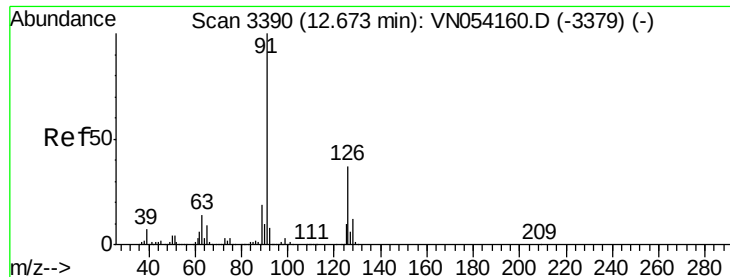
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	91	Resp:	1606098
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.9





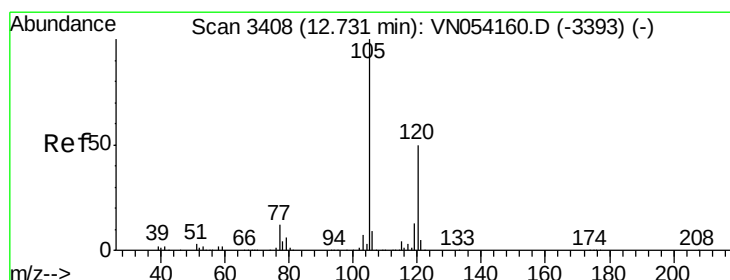
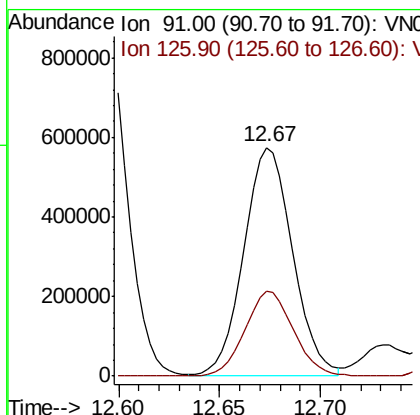
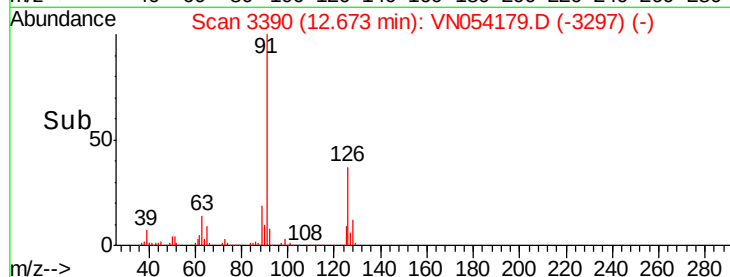
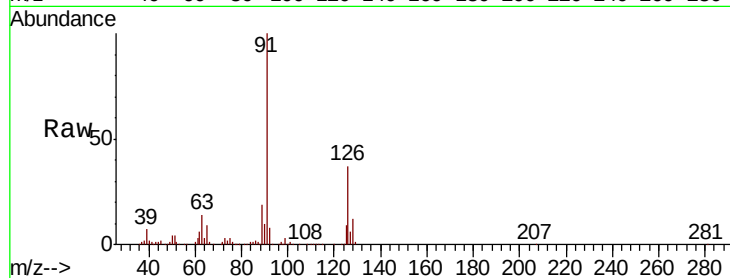
#79
2-Chlorotoluene
Concen: 19.895 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion: 91 Resp: 965213
Ion Ratio Lower Upper
91 100
126 37.4 18.7 56.1

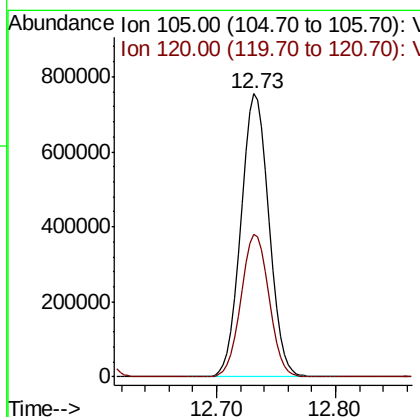
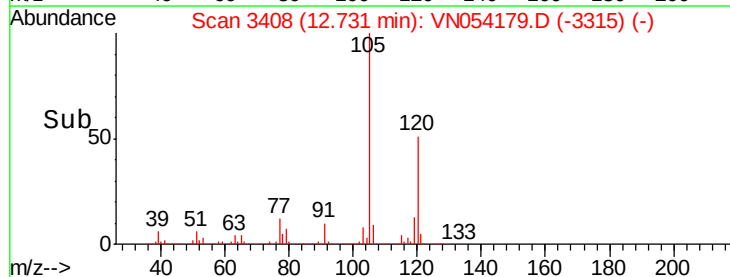
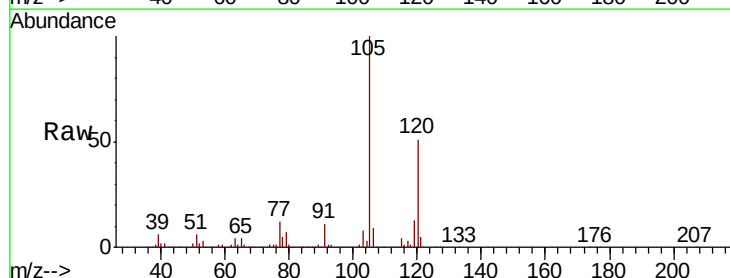
Manual Integrations
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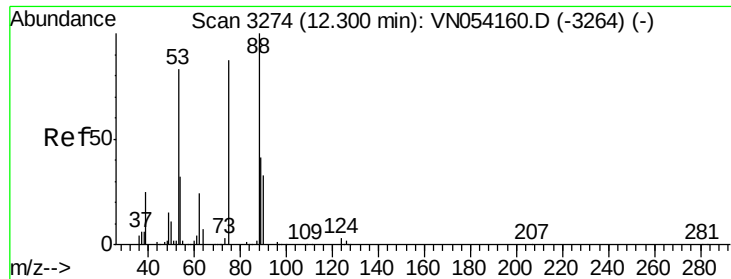
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.863 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion: 105 Resp: 1228637
Ion Ratio Lower Upper
105 100
120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.042 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

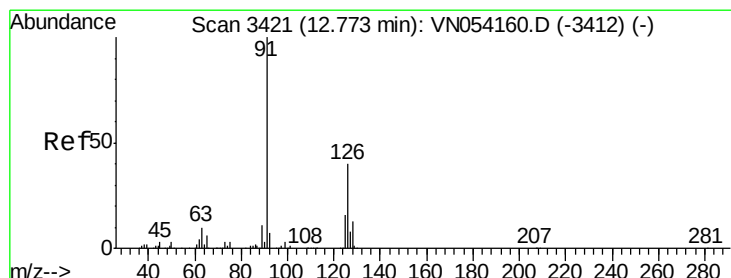
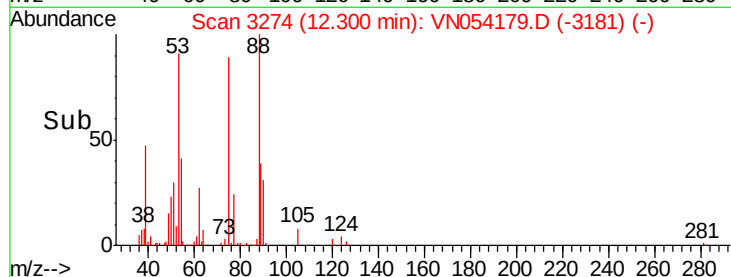
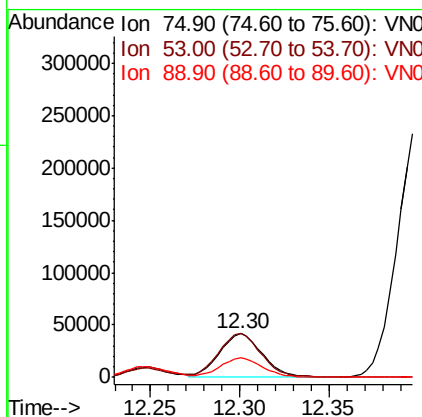
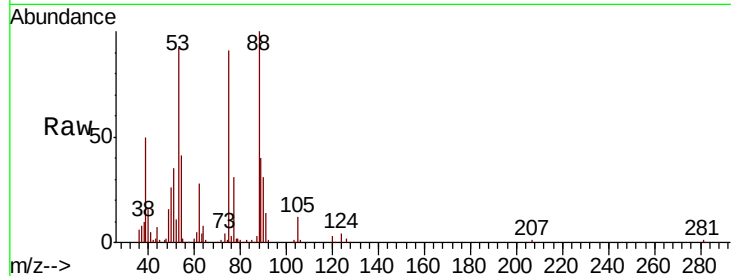
ClientSampleId :

VN0312WBS02

Tgt Ion:	75	Resp:	68142
Ion	Ratio	Lower	Upper
75	100		
53	103.4	76.2	114.2
89	45.0	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.802 ug/l

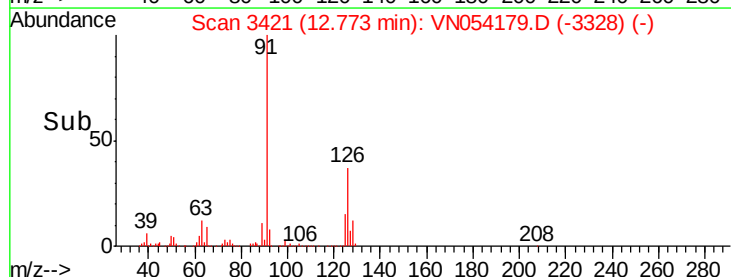
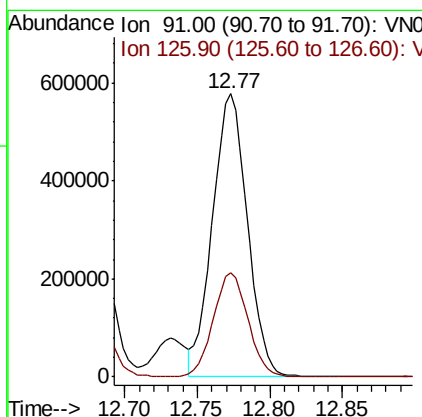
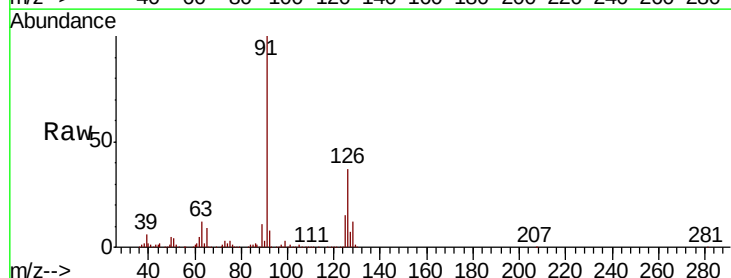
RT: 12.77 min Scan# 3421

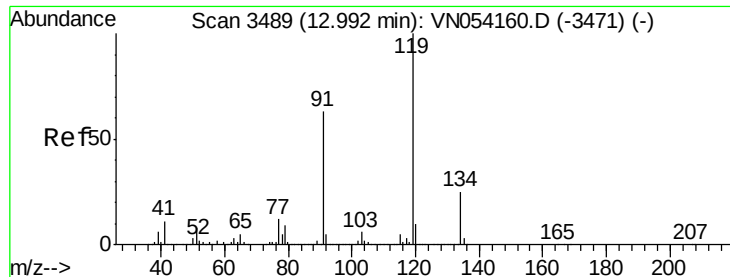
Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Tgt Ion:	91	Resp:	959283
Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.1





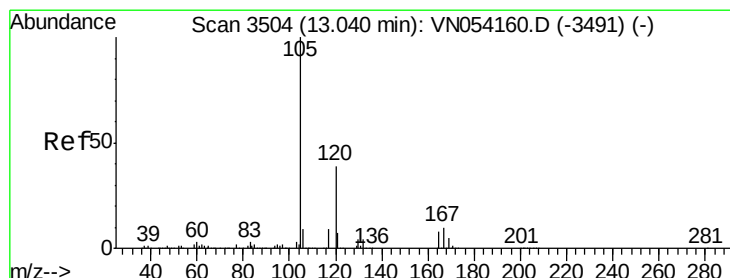
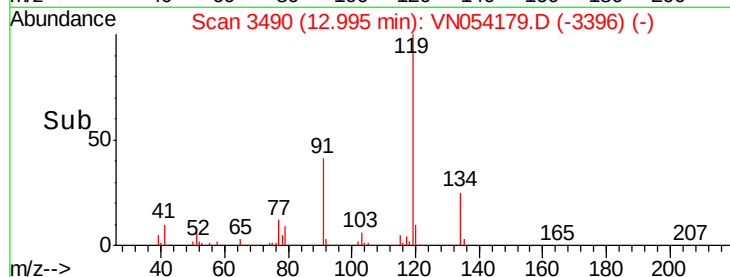
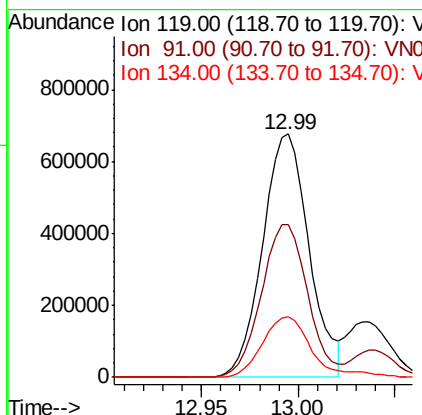
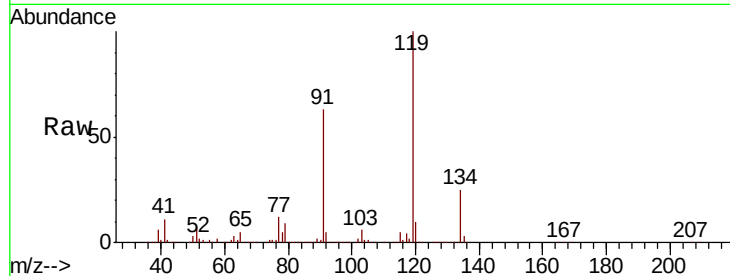
#83
 tert-Butylbenzene
 Concen: 19.872 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion:119 Resp: 1131407
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.9 92.8
 134 26.7 13.2 39.6

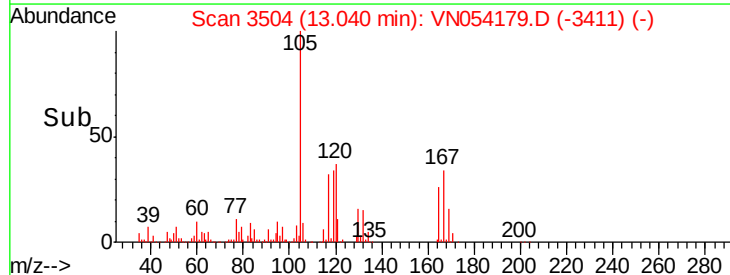
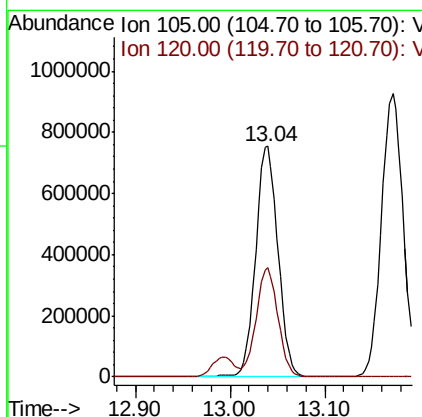
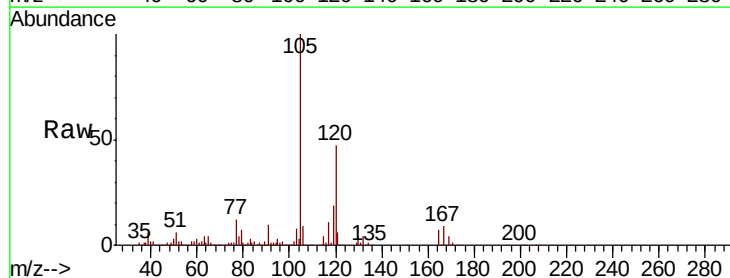
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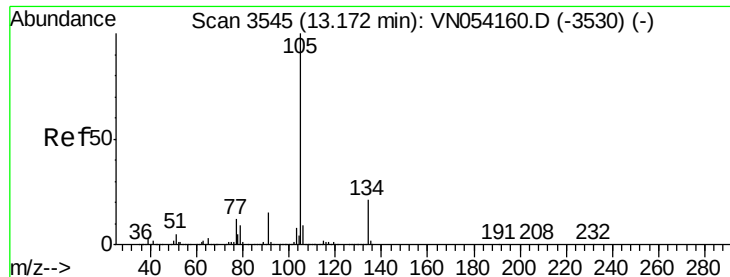
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.327 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion:105 Resp: 1233499
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.955 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS02

Tgt Ion:105 Resp: 1473357

Ion Ratio Lower Upper

105 100

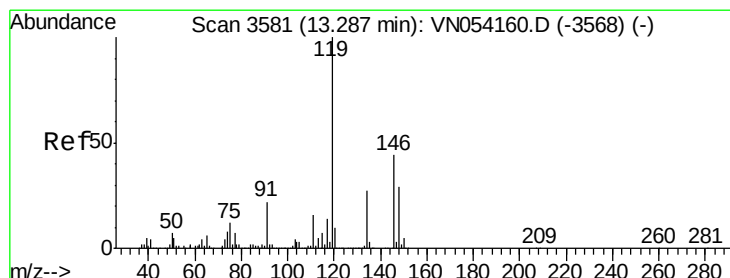
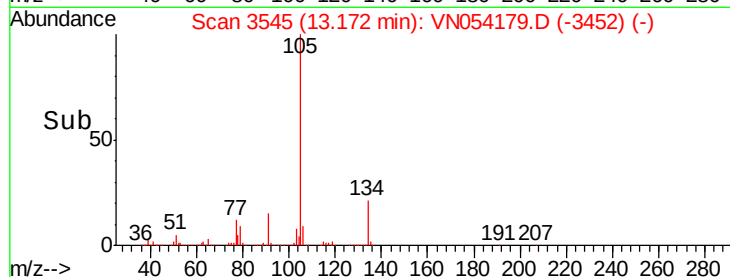
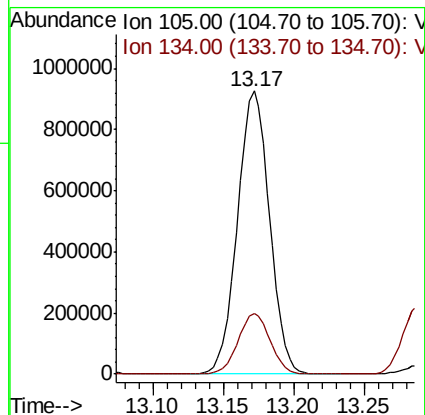
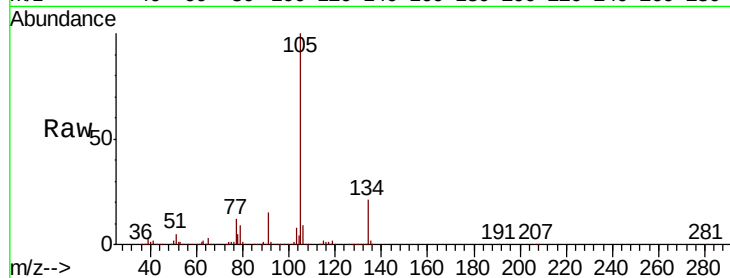
134 21.5 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.031 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054179.D

Acq: 12 Mar 2019 23:05

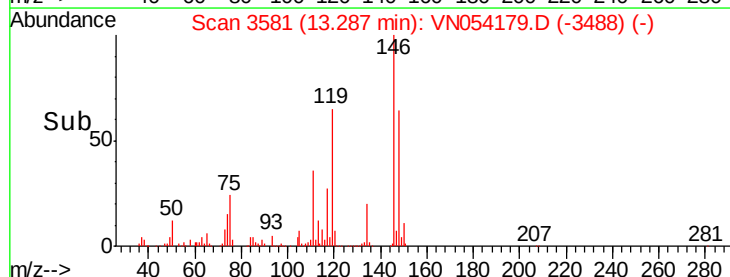
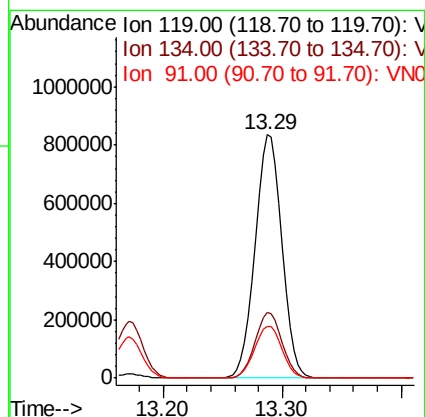
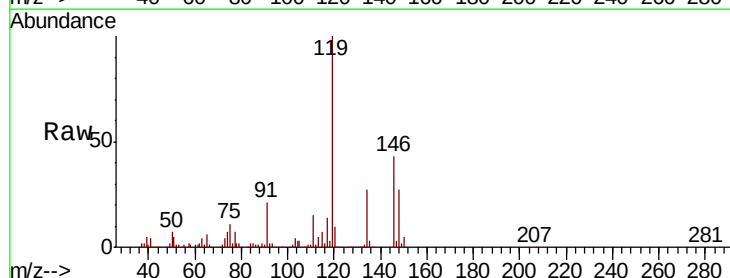
Tgt Ion:119 Resp: 1297504

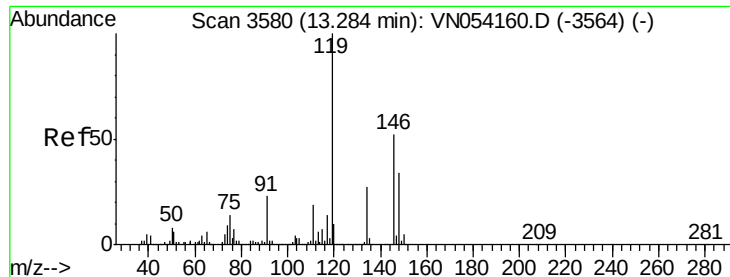
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.0 11.1 33.3





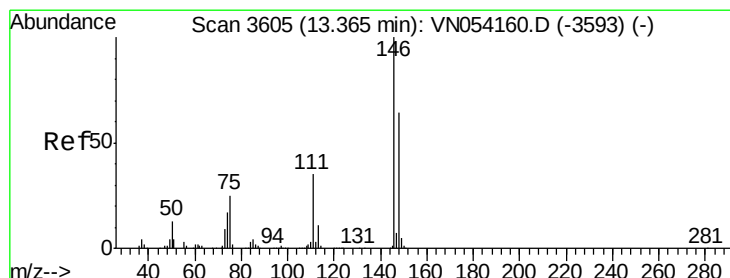
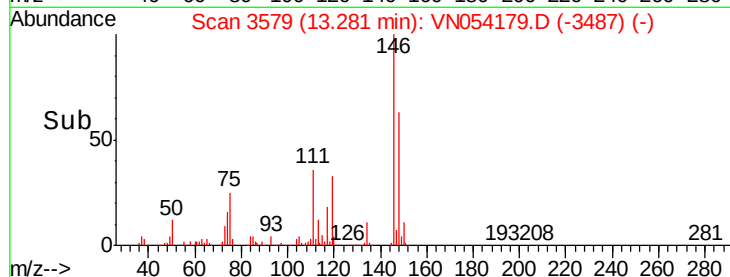
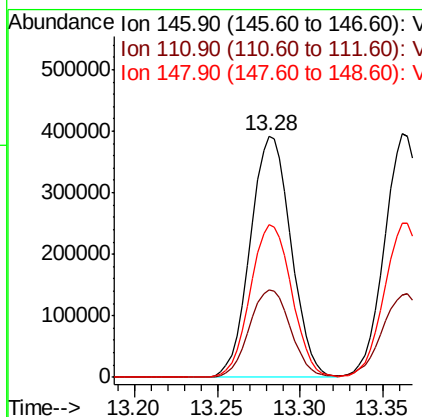
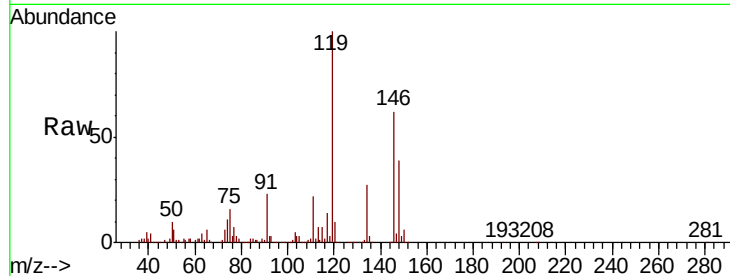
#87
 1,3-Dichlorobenzene
 Concen: 20.259 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.4	32.2	96.6

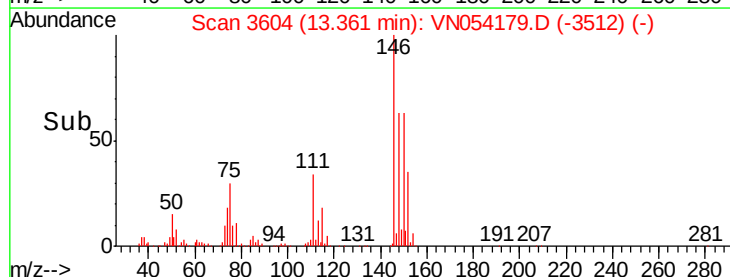
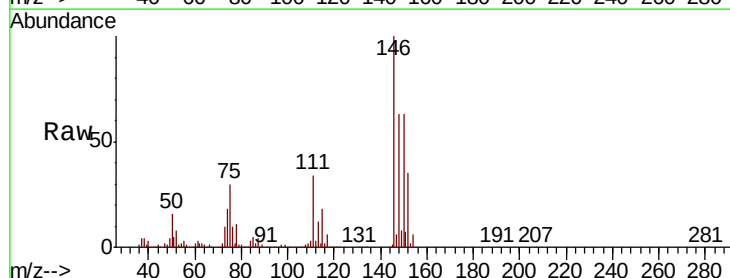
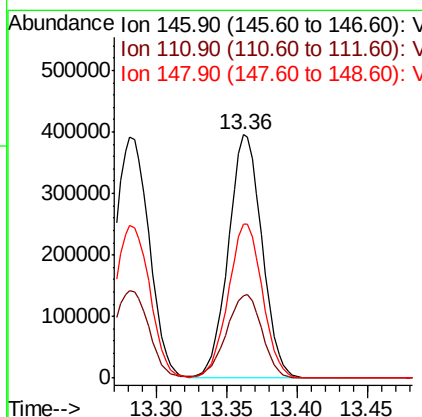
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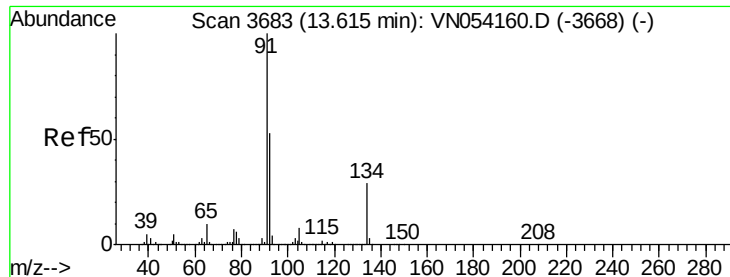
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#88
 1,4-Dichlorobenzene
 Concen: 20.259 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.4	32.0	96.0





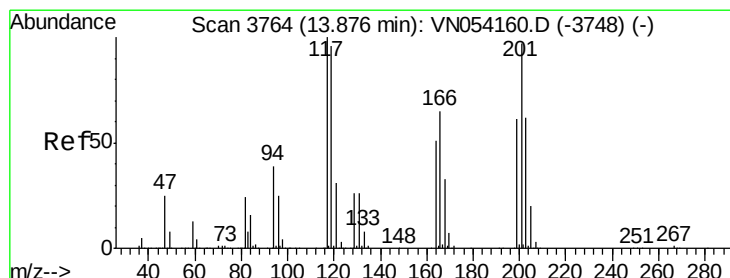
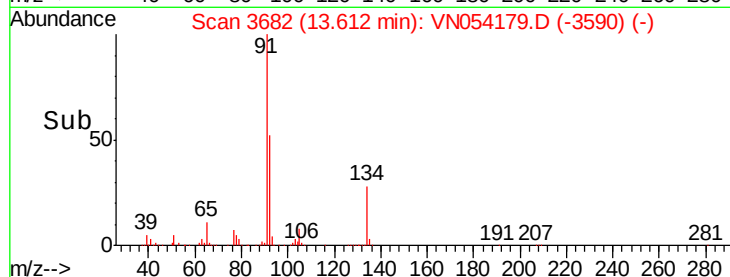
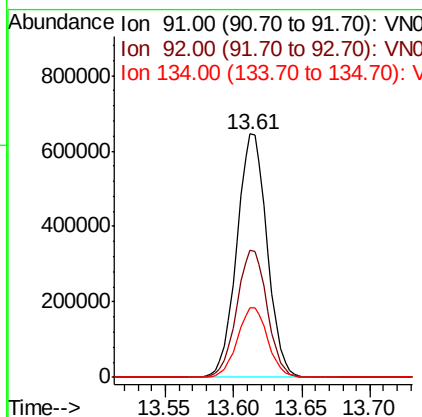
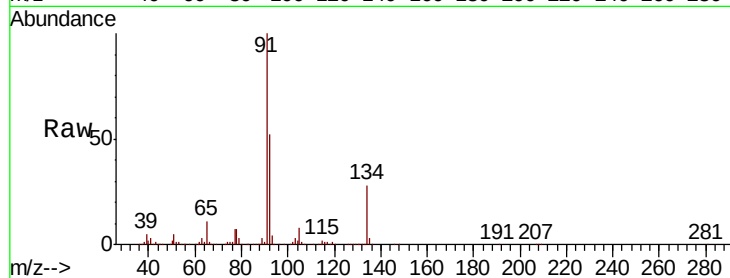
#89
n-Butylbenzene
Concen: 20.176 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	28.6	14.3	42.9

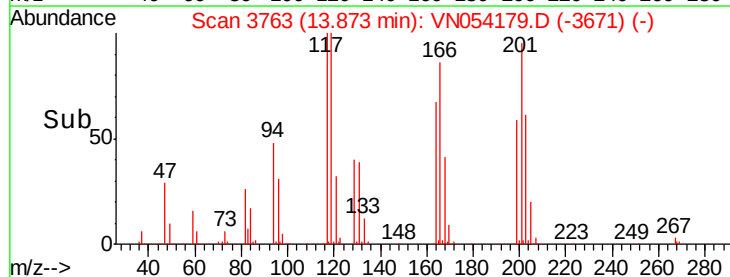
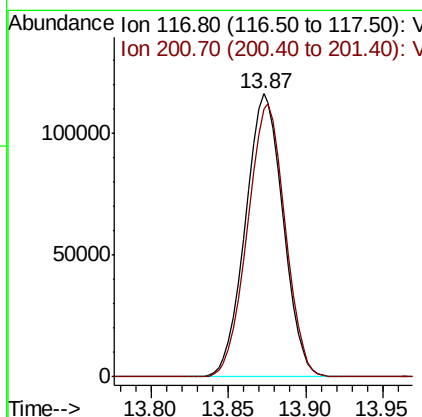
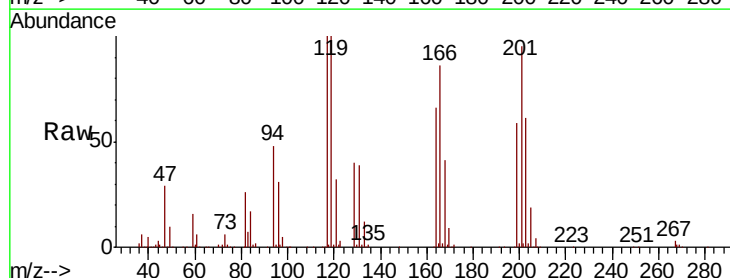
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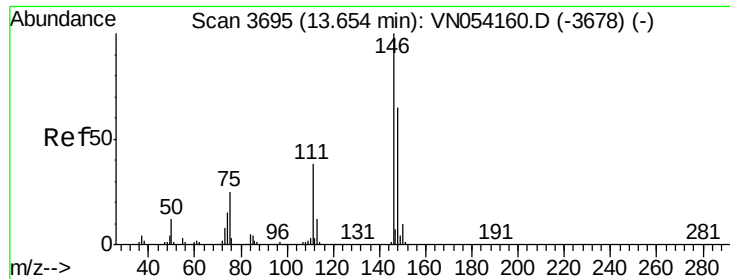
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#90
Hexachloroethane
Concen: 18.455 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.9	48.1	144.4





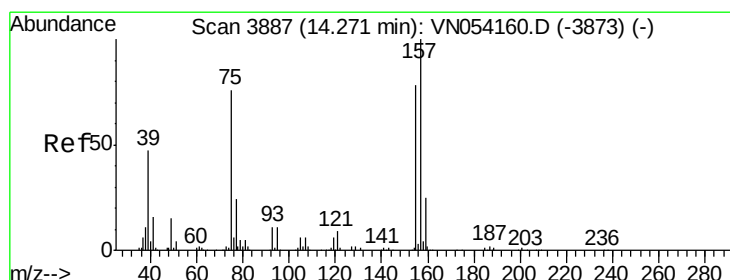
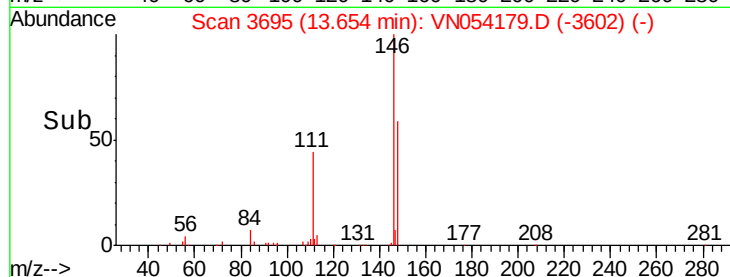
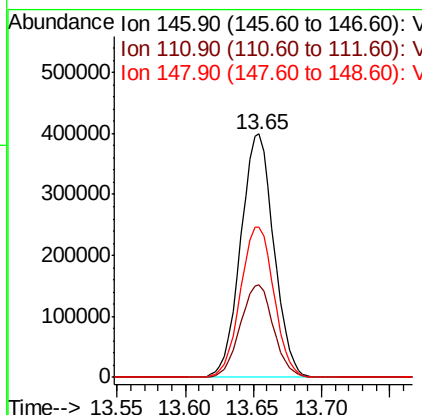
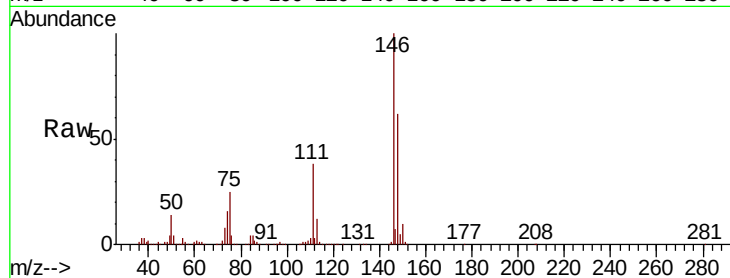
#91
 1,2-Dichlorobenzene
 Concen: 20.767 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	62.7	32.4	97.0

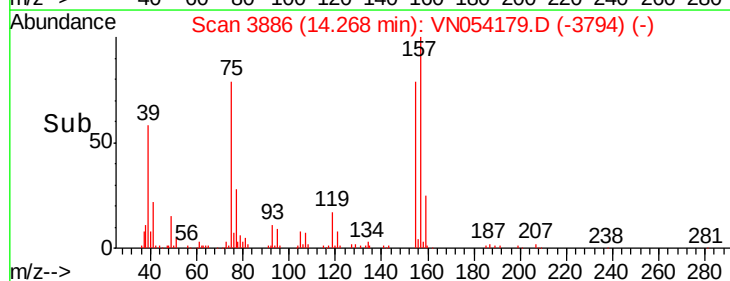
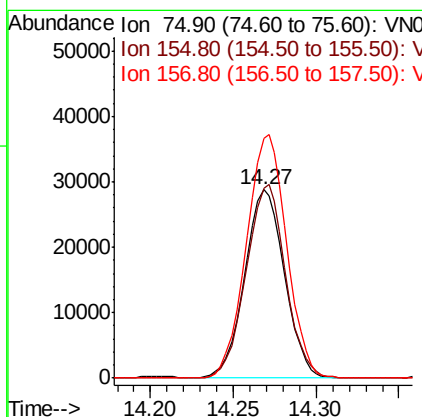
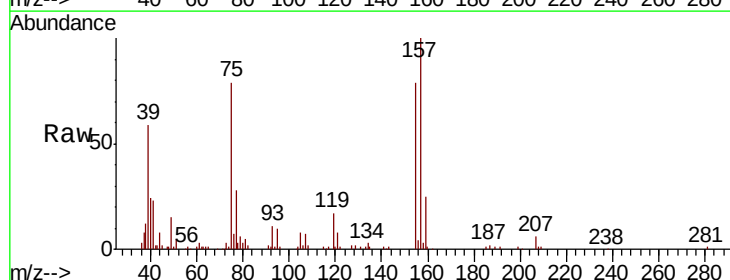
Manual Integrations
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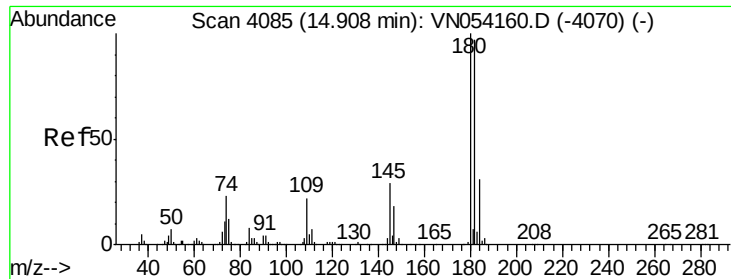
MMDadoda
 3/13/2019 11:41:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.727 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	50.1	150.3
157	130.2	63.1	189.3





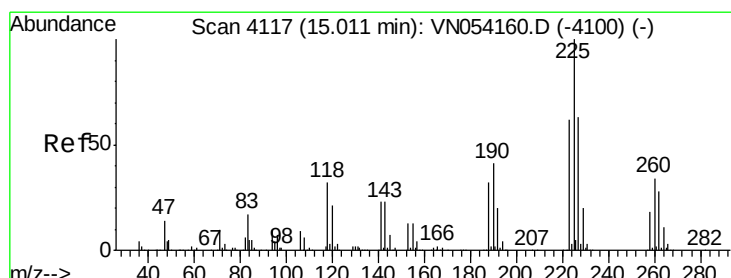
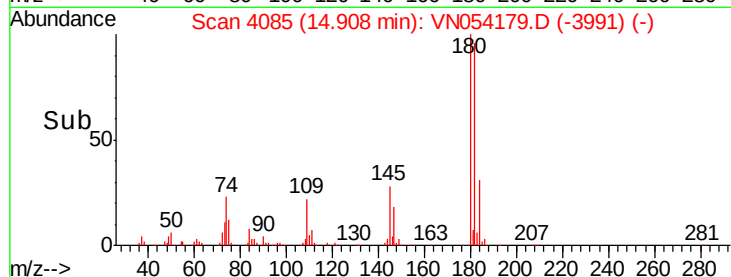
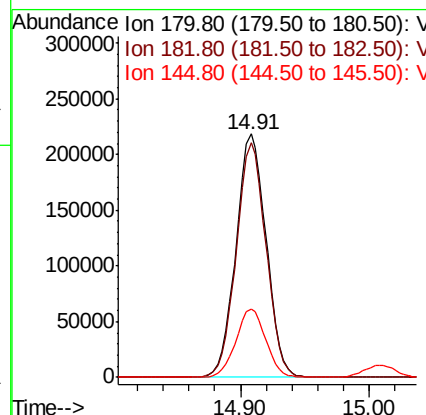
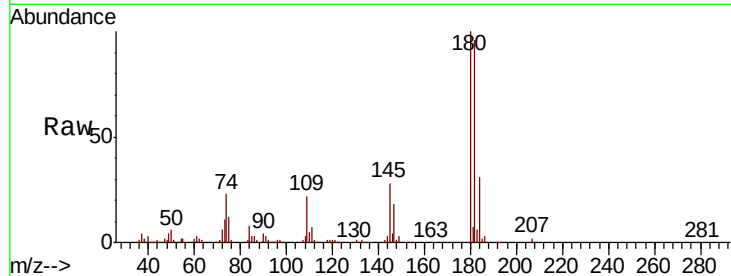
#93
 1,2,4-Trichlorobenzene
 Concen: 19.698 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	354049		
182	95.2	48.0	144.2	
145	27.9	14.2	42.8	

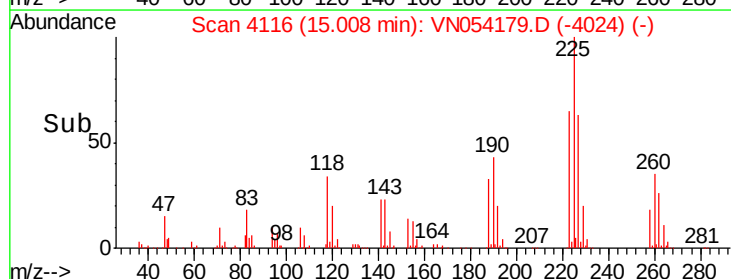
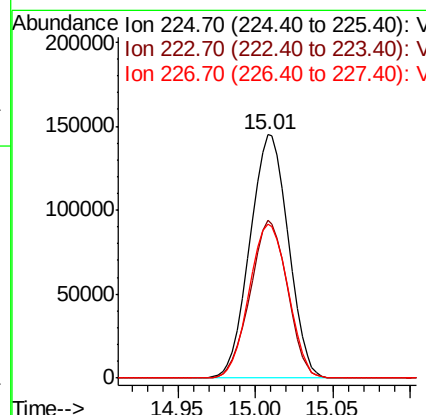
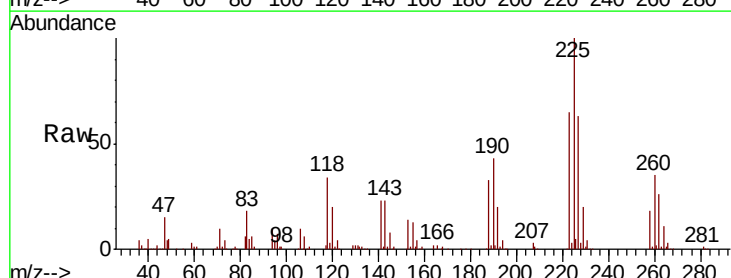
Manual Integrations
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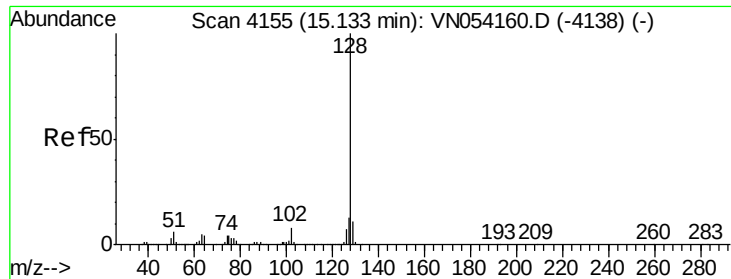
MMDadoda
 3/13/2019 11:41:18 AM



#94
 Hexachlorobutadiene
 Concen: 20.350 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054179.D
 Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251251		
223	62.6	31.1	93.5	
227	63.9	31.9	95.9	





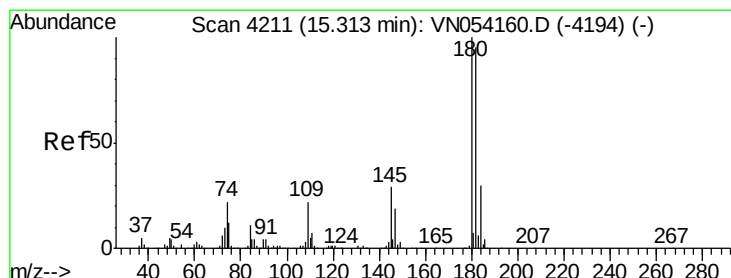
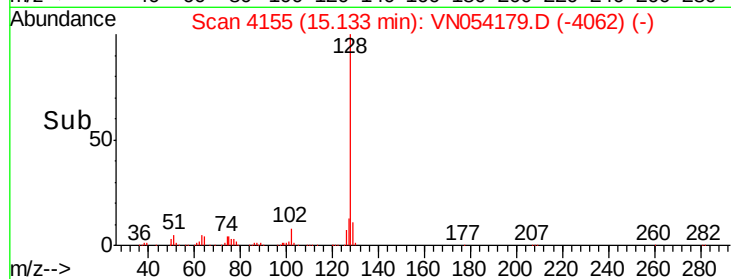
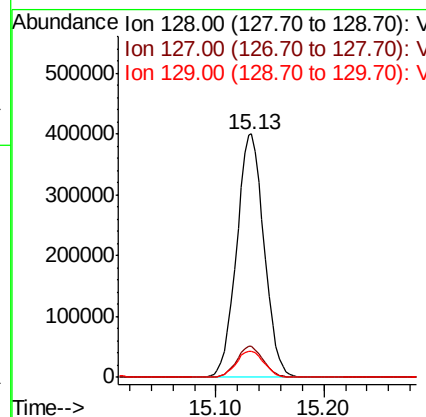
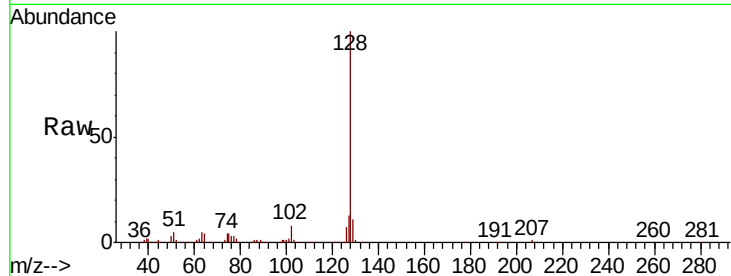
#95
Naphthalene
Concen: 19.653 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:41:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.813 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054179.D
Acq: 12 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.6
145	30.0	14.8	44.3

