

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055031.D
 Acq On : 13 Apr 2019 15:55
 Operator : JC/SP
 Sample : VN0414WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:16 AM

Quant Time: Apr 14 03:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	403284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	278792	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	7.59	113	221370	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.09	98	814362	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	262660	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	90754	20.402	ug/l	99
3) Chloromethane	2.06	50	119258	19.992	ug/l	99
4) Vinyl Chloride	2.19	62	98932	20.438	ug/l	99
5) Bromomethane	2.55	94	54600	19.485	ug/l	98
6) Chloroethane	2.70	64	52545	19.684	ug/l	100
7) Trichlorofluoromethane	3.02	101	123726	20.377	ug/l	98
8) Diethyl Ether	3.41	74	40181	21.042	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	62770	19.820	ug/l	99
10) Methyl Iodide	3.94	142	90822	19.885	ug/l	99
11) Tert butyl alcohol	4.83	59	31670m	101.694	ug/l	
12) 1,1-Dichloroethene	3.72	96	61815	19.825	ug/l	99
13) Acrolein	3.61	56	37640	100.132	ug/l	100
14) Allyl chloride	4.31	41	150352	19.735	ug/l	96
15) Acrylonitrile	5.00	53	193957	112.918	ug/l	100
16) Acetone	3.82	43	130407	93.797	ug/l	99
17) Carbon Disulfide	4.03	76	189461	18.655	ug/l	99
18) Methyl Acetate	4.33	43	92351	21.429	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	240493	21.587	ug/l	98
20) Methylene Chloride	4.54	84	97249	20.662	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	83127	20.238	ug/l	97
22) Diisopropyl ether	5.96	45	329584	21.337	ug/l	99
23) Vinyl Acetate	5.90	43	1166728	107.992	ug/l	100
24) 1,1-Dichloroethane	5.84	63	174592	20.928	ug/l	99
25) 2-Butanone	6.85	43	237506	110.917	ug/l	99
26) 2,2-Dichloropropane	6.82	77	100633	18.233	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	96973	20.322	ug/l	99
28) Bromochloromethane	7.19	49	88992	22.483	ug/l	97
29) Tetrahydrofuran	7.22	42	162047	115.443	ug/l	99
30) Chloroform	7.37	83	164295	20.652	ug/l	98
31) Cyclohexane	7.65	56	156956	19.505	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	132057	20.837	ug/l	99
36) 1,1-Dichloropropene	7.79	75	119206	19.485	ug/l	98
37) Ethyl Acetate	6.94	43	100909	21.971	ug/l	98
38) Carbon Tetrachloride	7.77	117	107749	18.710	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	119980	17.130	ug/l	98
40) Benzene	8.04	78	374885	20.268	ug/l	99
41) Methacrylonitrile	7.18	41	59625	21.098	ug/l	96
42) 1,2-Dichloroethane	8.13	62	131697	20.240	ug/l	100
43) Isopropyl Acetate	8.17	43	170029	21.651	ug/l	100
44) Trichloroethene	8.83	130	91908	19.444	ug/l	100
45) 1,2-Dichloropropane	9.12	63	105922	20.293	ug/l	97
46) Dibromomethane	9.21	93	60576	20.254	ug/l	97
47) Bromodichloromethane	9.40	83	118927	19.554	ug/l	99
48) Methyl methacrylate	9.20	41	85242	21.070	ug/l	97
49) 1,4-Dioxane	9.20	88	14997	344.695	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	500312	108.804	ug/l	98
52) Toluene	10.16	92	216606	19.801	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103560	18.804	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	135434	19.963	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	86923	21.331	ug/l	98
56) Ethyl methacrylate	10.43	69	107358	20.474	ug/l	99
57) 1,3-Dichloropropane	10.71	76	146146	20.790	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	207067	99.690	ug/l	99
59) 2-Hexanone	10.75	43	309177	107.597	ug/l	99
60) Dibromochloromethane	10.90	129	79191	19.524	ug/l	98
61) 1,2-Dibromoethane	11.01	107	80918	20.740	ug/l	96
64) Tetrachloroethene	10.63	164	87483	19.273	ug/l	97
65) Chlorobenzene	11.43	112	226231	20.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	82935	20.113	ug/l	99
67) Ethyl Benzene	11.51	91	403091	19.612	ug/l	98
68) m/p-Xylenes	11.62	106	296800	39.470	ug/l	99
69) o-Xylene	11.95	106	147718	19.854	ug/l	99
70) Styrene	11.96	104	243191	20.615	ug/l	99
71) Bromoform	12.13	173	48516	18.857	ug/l #	100
73) Isopropylbenzene	12.25	105	382965	19.646	ug/l	99
74) N-amyl acetate	12.07	43	124676	21.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	107539	21.309	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	94498m	22.404	ug/l	
77) Bromobenzene	12.53	156	94408	21.063	ug/l	99
78) n-propylbenzene	12.59	91	408593	19.240	ug/l	100
79) 2-Chlorotoluene	12.67	91	258912	19.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	310315	19.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20401	19.964	ug/l	92
82) 4-Chlorotoluene	12.77	91	250655	19.755	ug/l	99
83) tert-Butylbenzene	12.99	119	264547	19.460	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	302663	19.891	ug/l	100
85) sec-Butylbenzene	13.17	105	326824	18.830	ug/l	100
86) p-Isopropyltoluene	13.29	119	283912	18.805	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	149759	19.232	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	144338	19.380	ug/l	99
89) n-Butylbenzene	13.62	91	201882	17.026	ug/l	99
90) Hexachloroethane	13.87	117	42149	16.895	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	155016	20.506	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13896	21.175	ug/l	94

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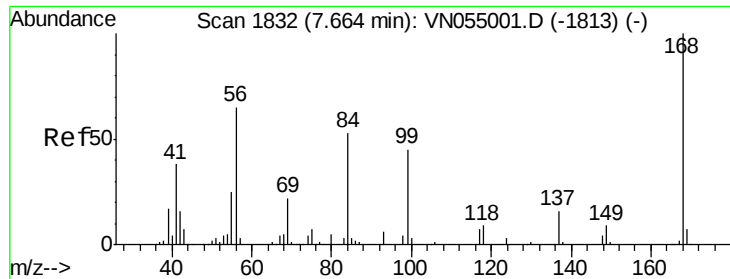
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53224	16.706	ug/l	98
94) Hexachlorobutadiene	15.01	225	42866	17.494	ug/l	97
95) Naphthalene	15.13	128	131976	18.330	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	57679	16.914	ug/l	99

(#) = 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

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0414WBSD01

Tot Ion:168 Resp: 403284

Ion Ratio Lower Upper

168 100

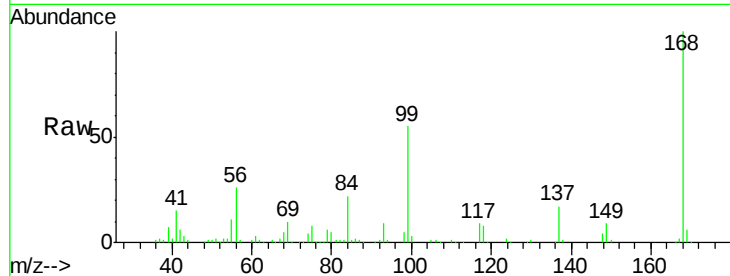
99 53.8 41.9 62.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

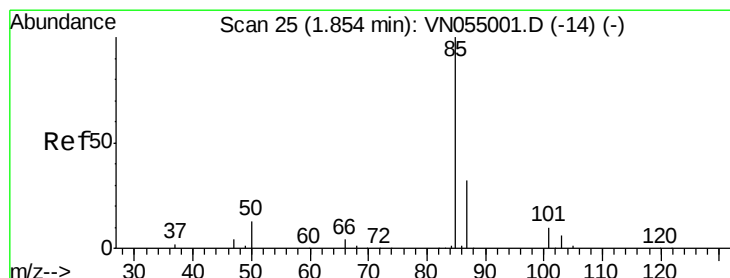
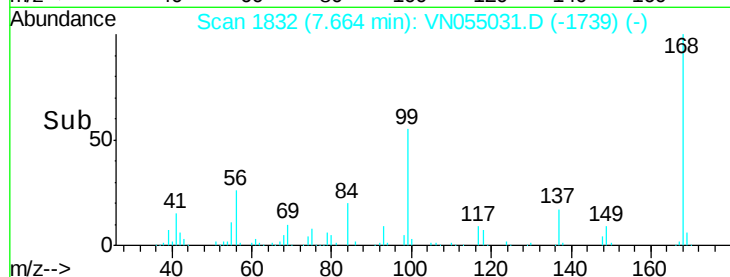
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.402 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055031.D

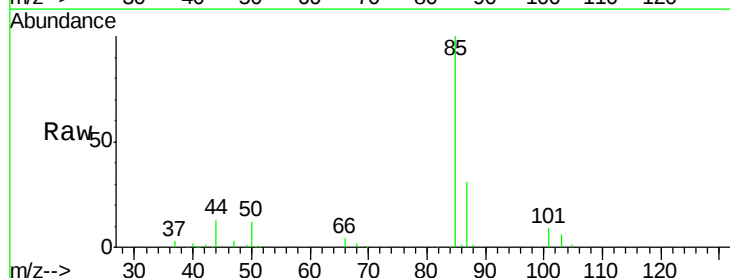
Acq: 13 Apr 2019 15:55

Tgt Ion: 85 Resp: 90754

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

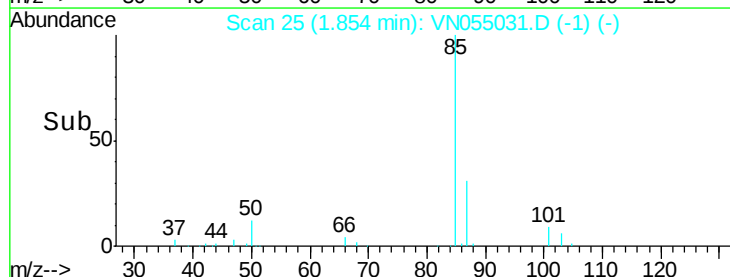
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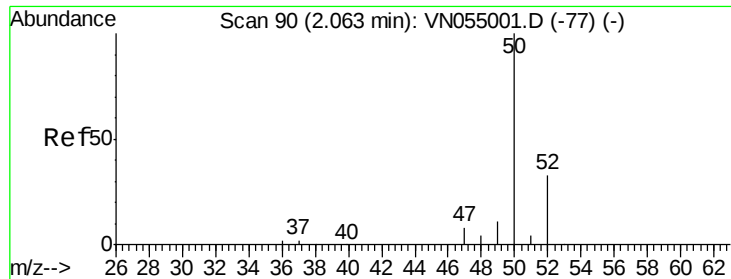
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.992 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 50 Resp: 119258

Ion Ratio Lower Upper

50 100

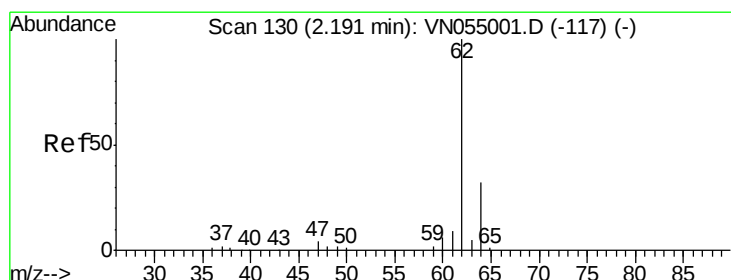
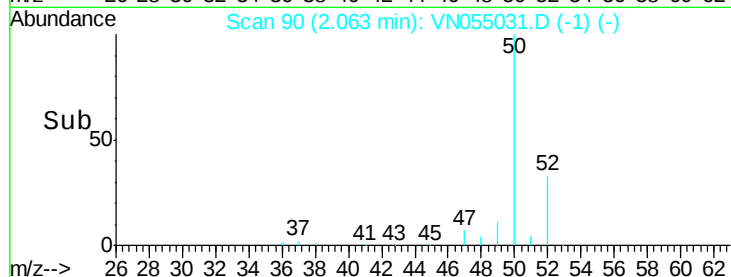
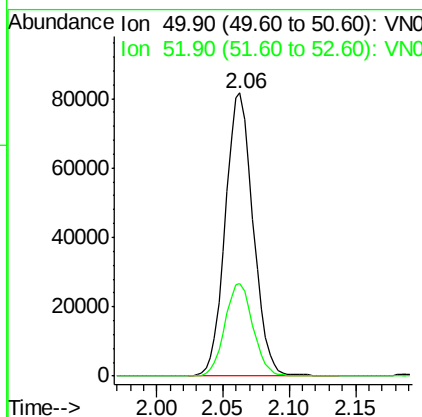
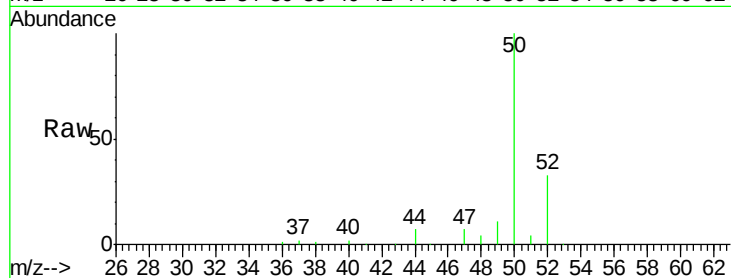
52 32.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055031.D

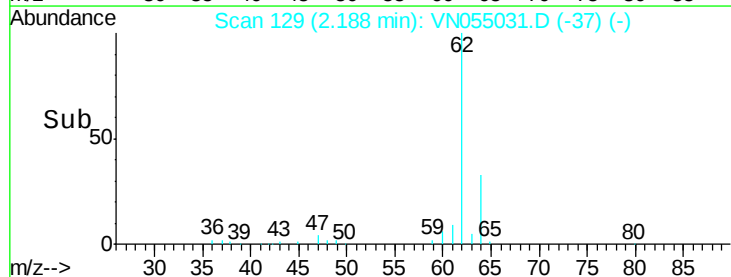
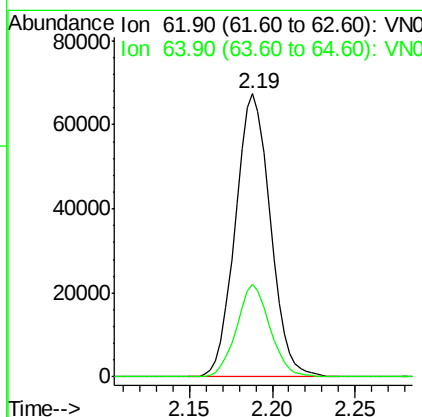
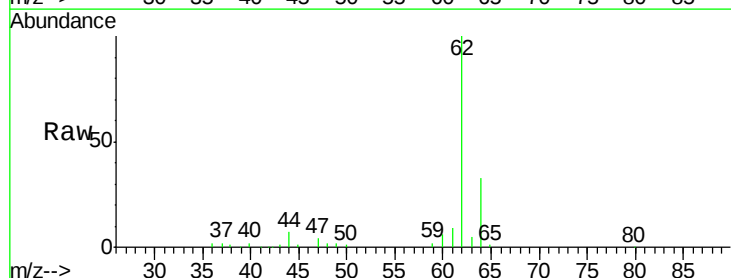
Acq: 13 Apr 2019 15:55

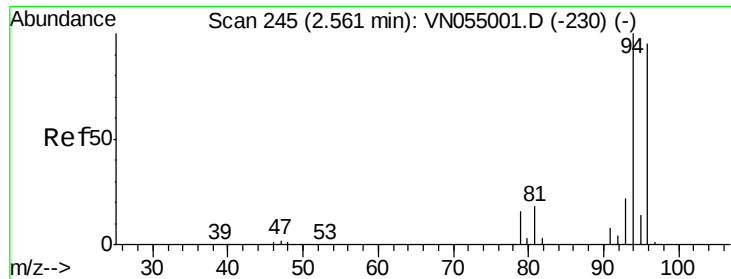
Tgt Ion: 62 Resp: 98932

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.6





#5

Bromomethane

Concen: 19.485 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

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ClientSampleId :

VN0414WBSD01

Tot Ion: 94 Resp: 54600

Ion Ratio Lower Upper

94 100

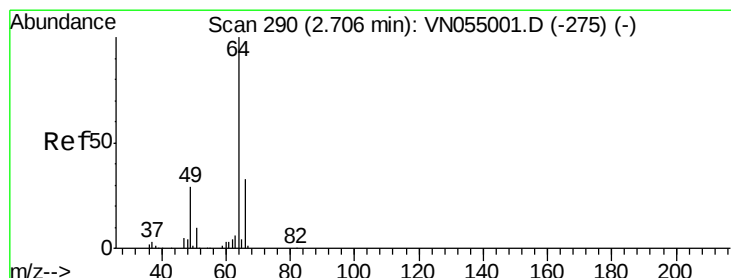
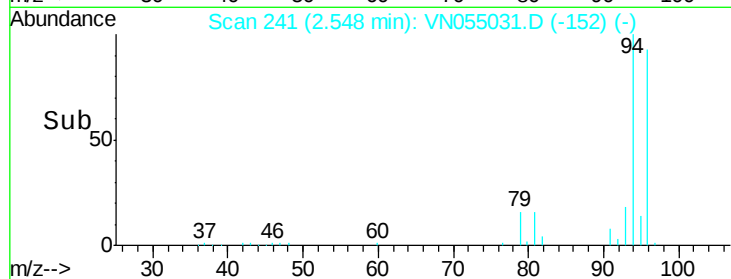
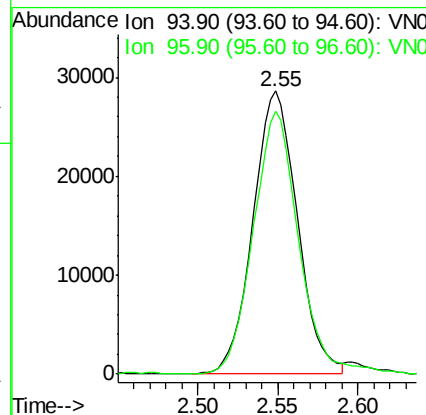
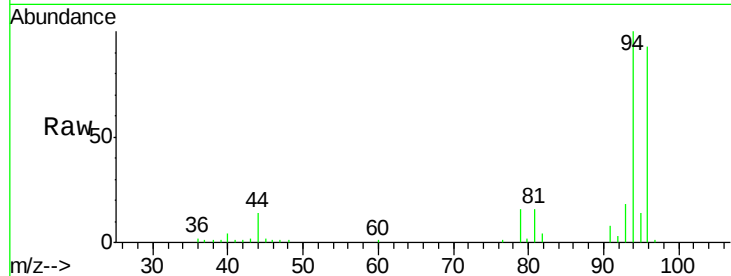
96 92.9 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 19.684 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN055031.D

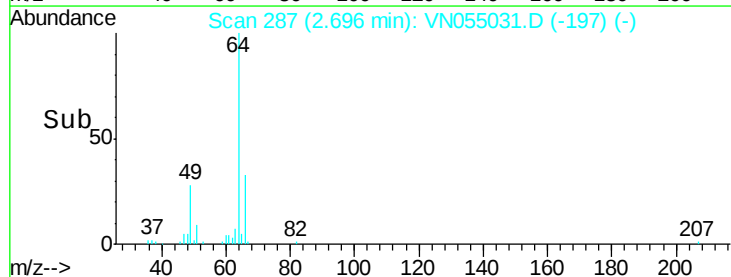
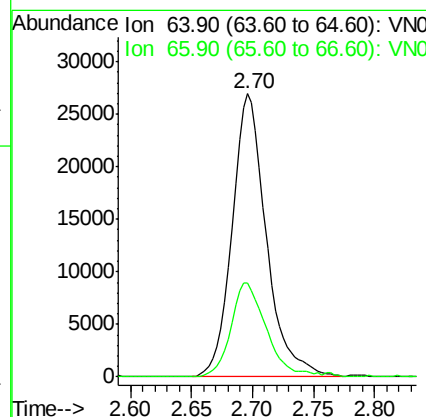
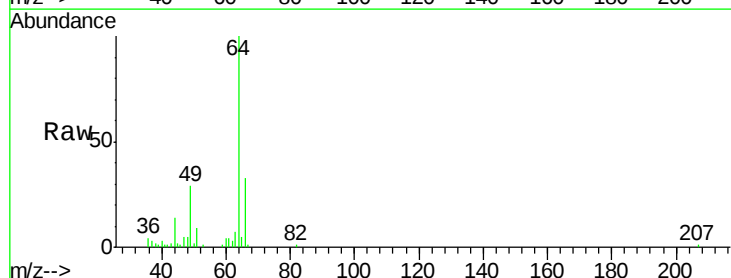
Acq: 13 Apr 2019 15:55

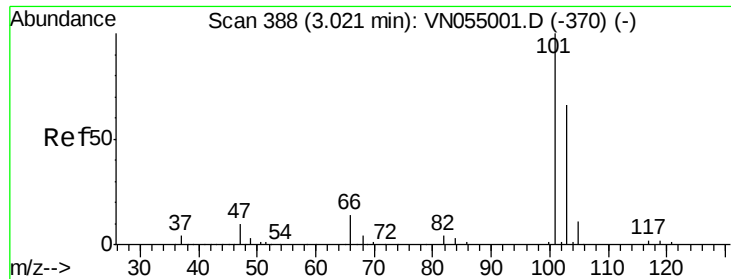
Tgt Ion: 64 Resp: 52545

Ion Ratio Lower Upper

64 100

66 33.2 26.6 40.0





#7

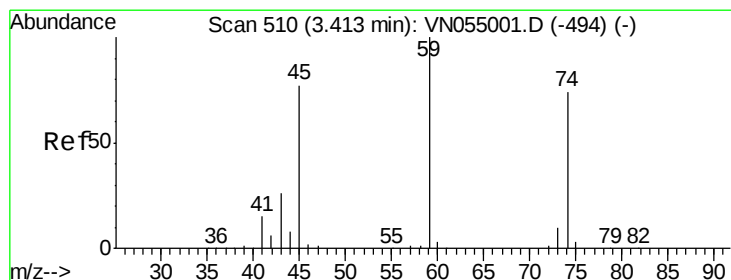
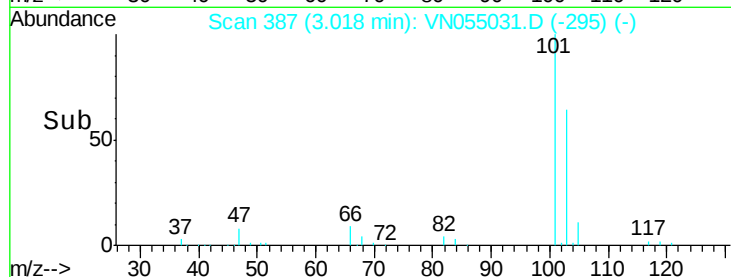
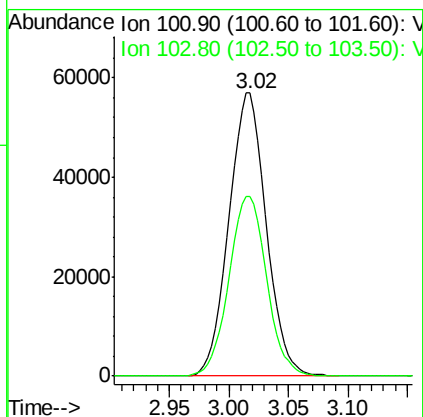
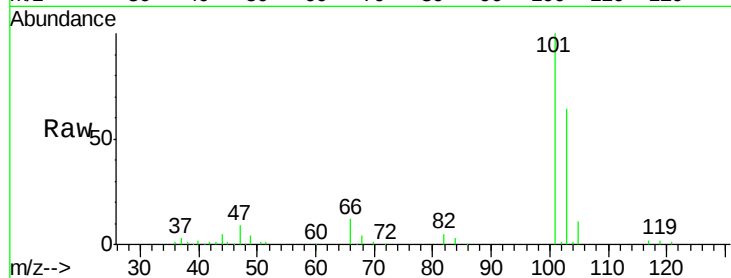
Trichlorofluoromethane
Concen: 20.377 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

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ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.5	78.7

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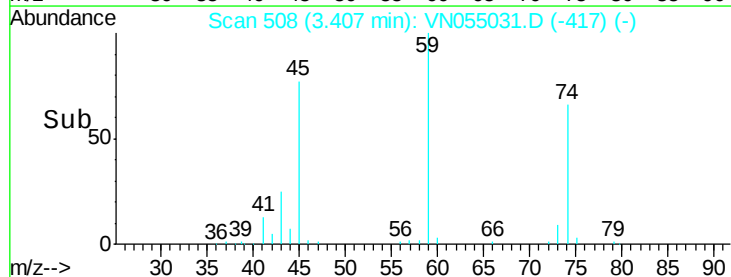
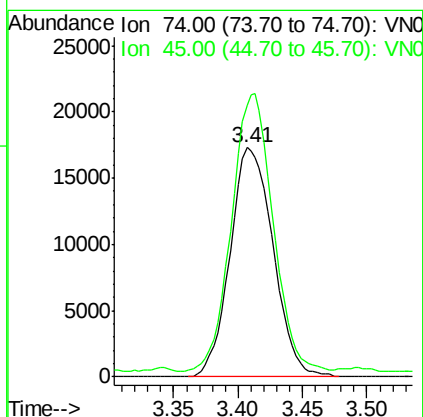
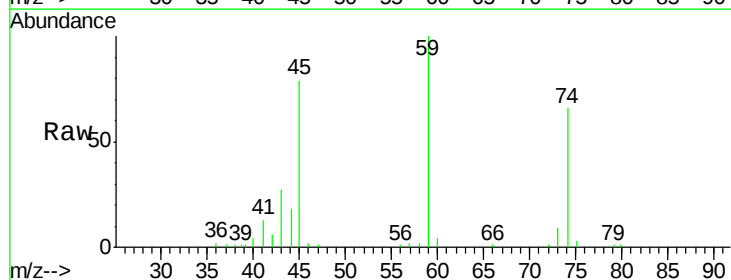
MMDadoda
4/17/2019 10:04:16 AM

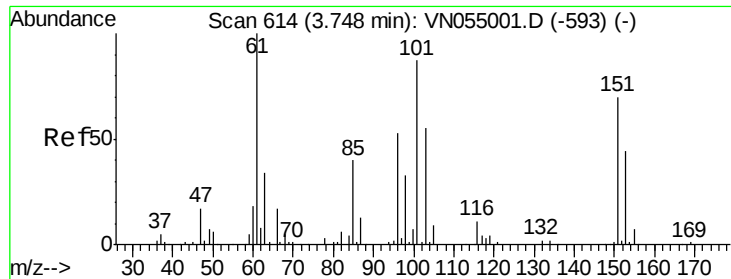


#8

Diethyl Ether
Concen: 21.042 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.01 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.1	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.820 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

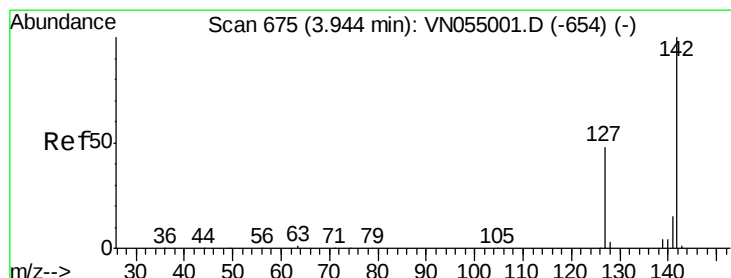
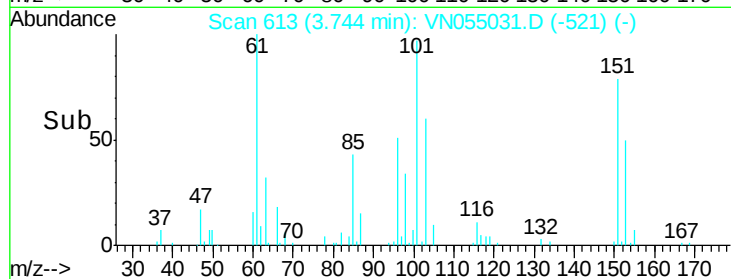
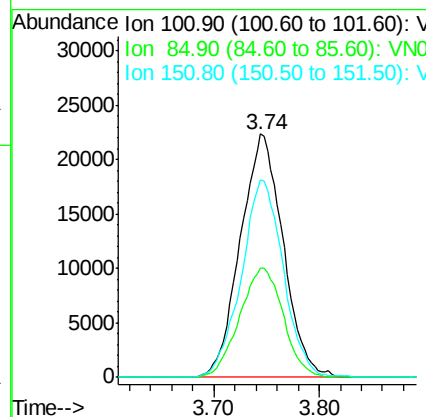
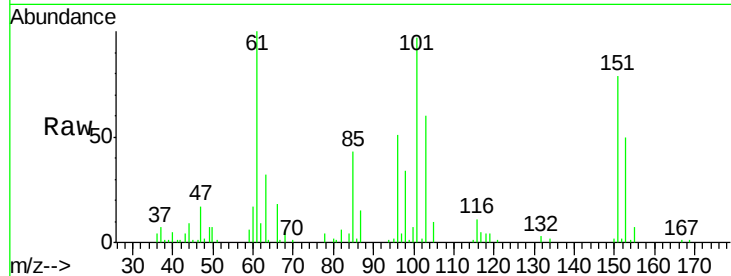
ClientSampleId :

VN0414WBSD01

Tot Ion:	101	Resp:	62770
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.9	55.3
151	79.7	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.885 ug/l

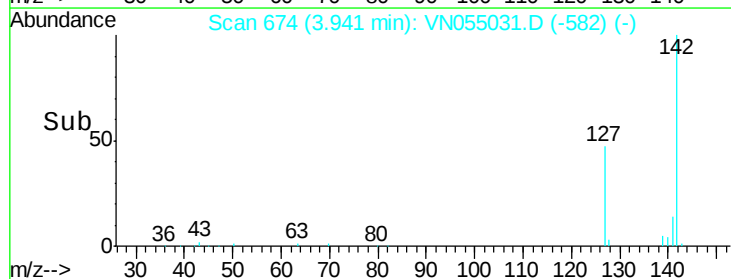
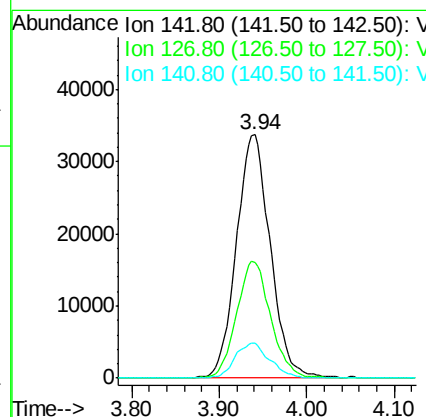
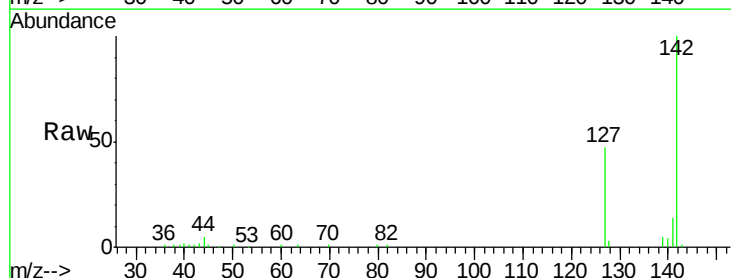
RT: 3.94 min Scan# 674

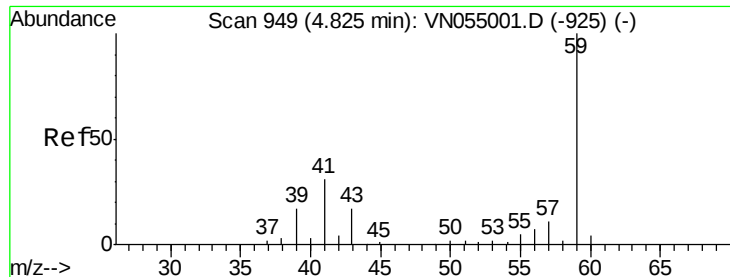
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	142	Resp:	90822
Ion Ratio	Lower	Upper	
142	100		
127	48.1	37.9	56.9
141	14.6	11.8	17.8





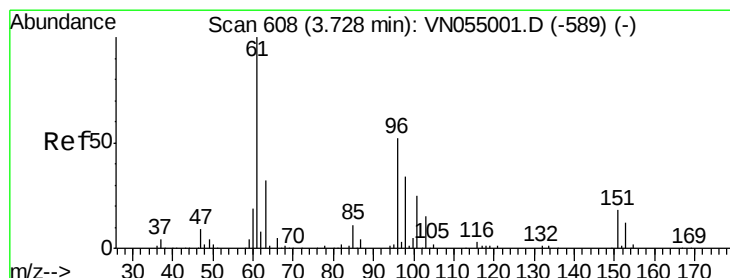
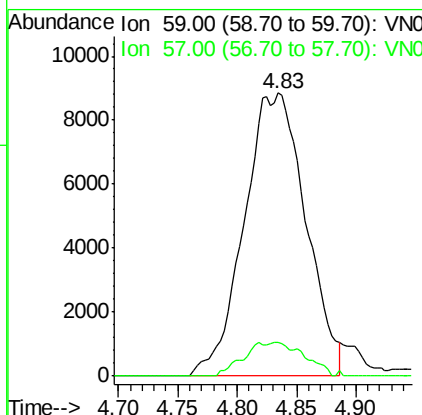
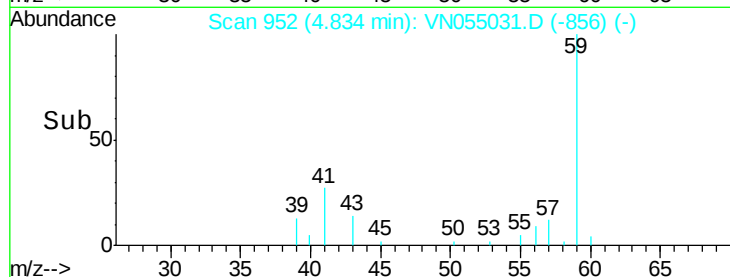
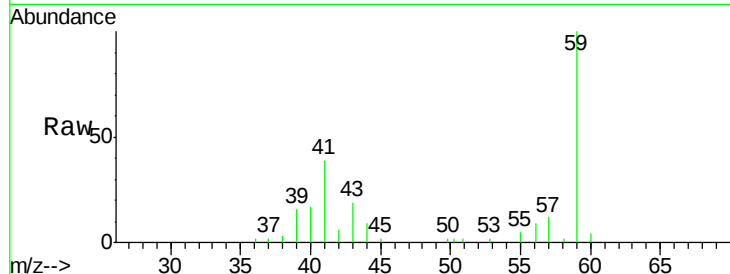
#11
Tert butyl alcohol
Concen: 101.694 ug/l m
RT: 4.83 min Scan# 952
Delta R.T. 0.01 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

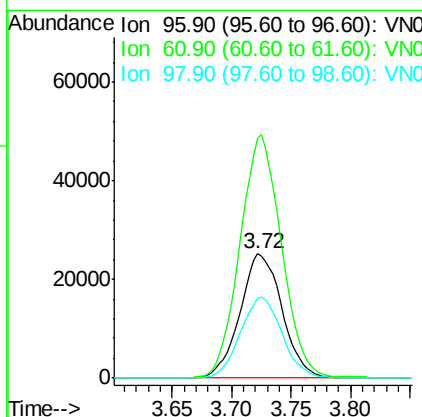
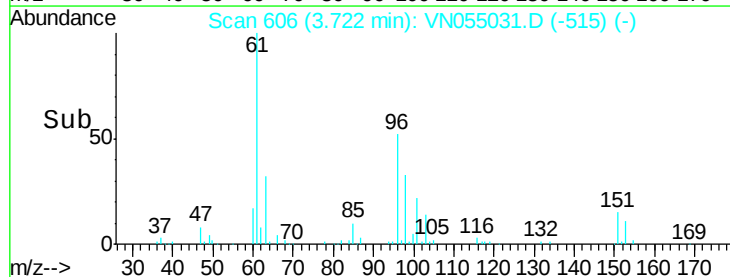
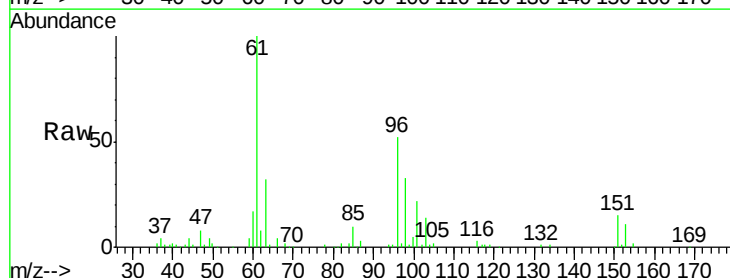
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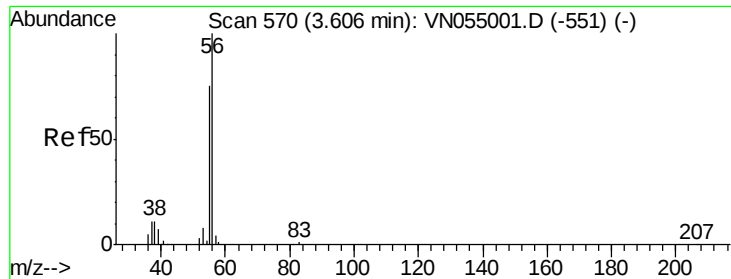
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#12
1,1-Dichloroethene
Concen: 19.825 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.6	154.2	231.4
98	63.9	52.9	79.3





#13

Acrolein

Concen: 100.132 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 56 Resp: 37640

Ion Ratio Lower Upper

56 100

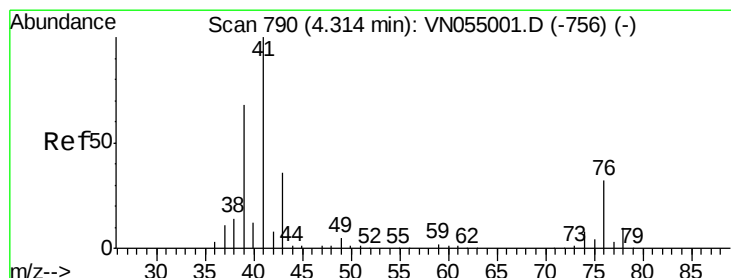
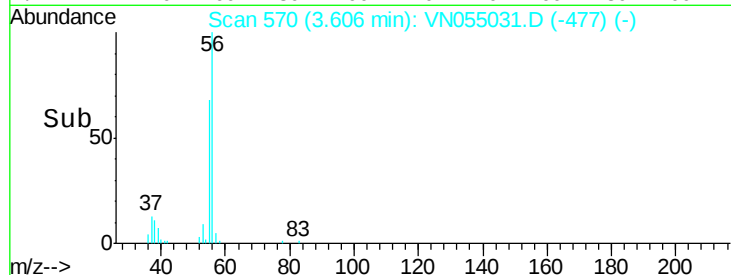
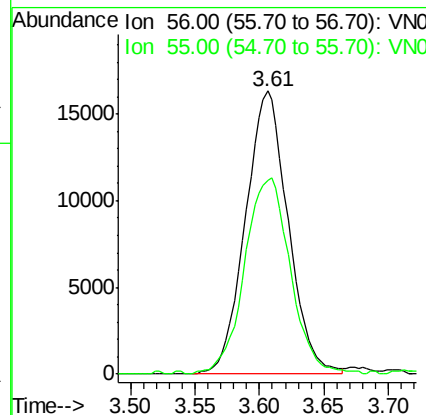
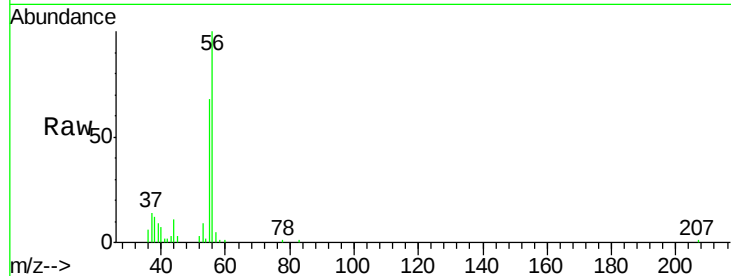
55 74.4 59.5 89.3

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#14

Allyl chloride

Concen: 19.735 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

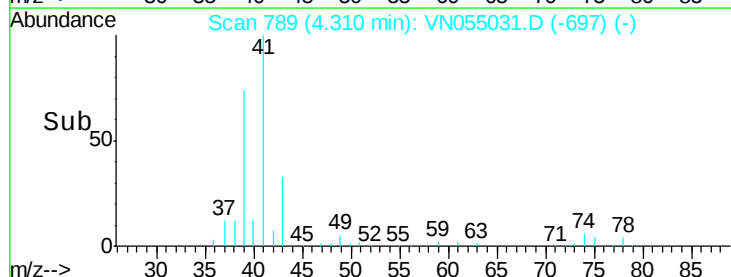
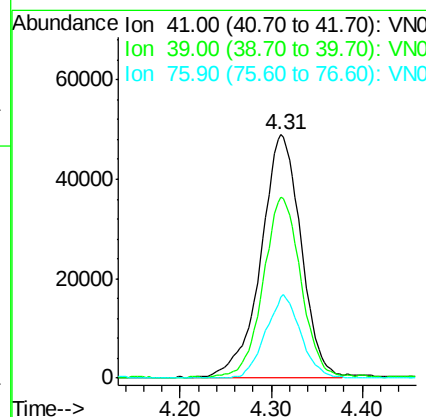
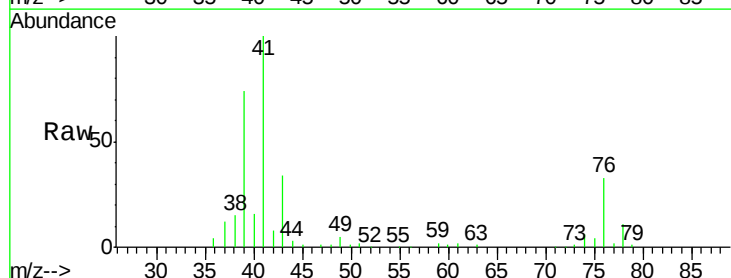
Tgt Ion: 41 Resp: 150352

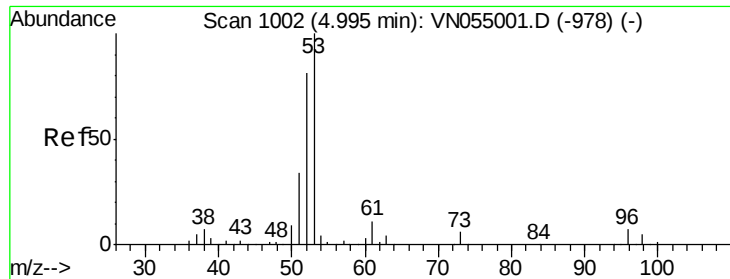
Ion Ratio Lower Upper

41 100

39 70.3 52.7 79.1

76 29.8 23.2 34.8





#15

Acrylonitrile

Concen: 112.918 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

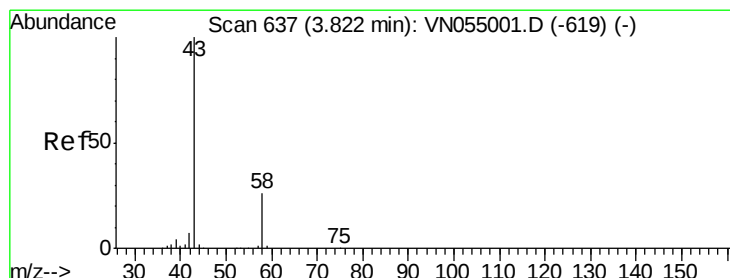
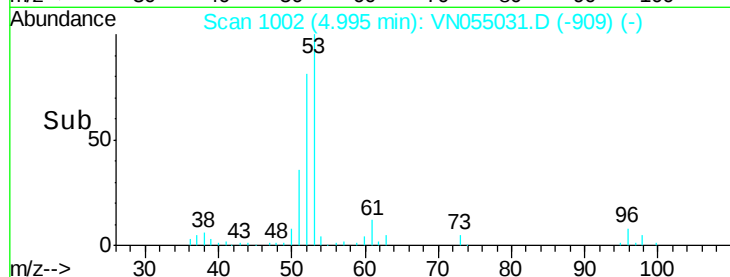
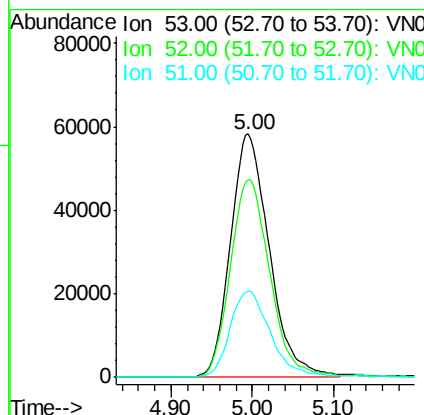
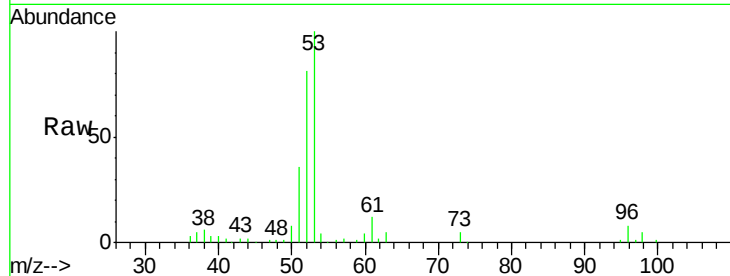
ClientSampleId :

VN0414WBSD01

Tot Ion:	53	Resp:	193957
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.9	98.9
51	37.0	29.7	44.5

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#16

Acetone

Concen: 93.797 ug/l

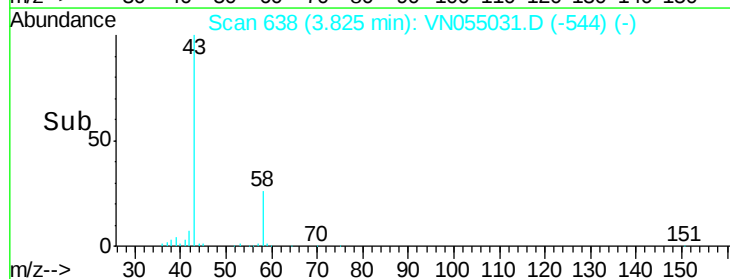
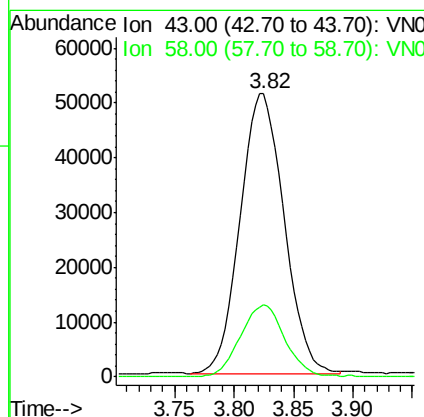
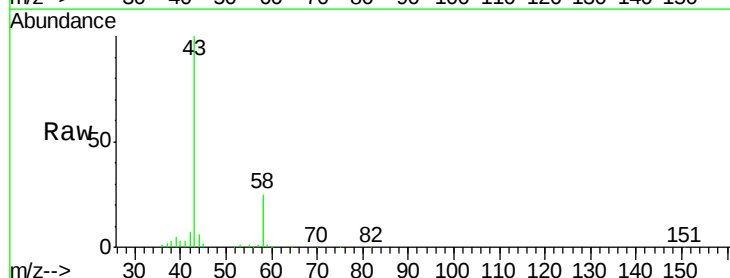
RT: 3.82 min Scan# 638

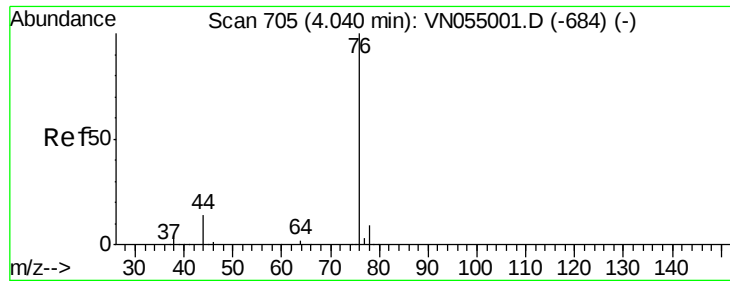
Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	43	Resp:	130407
Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.9	31.3





#17

Carbon Disulfide

Concen: 18.655 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 76 Resp: 189461

Ion Ratio Lower Upper

76 100

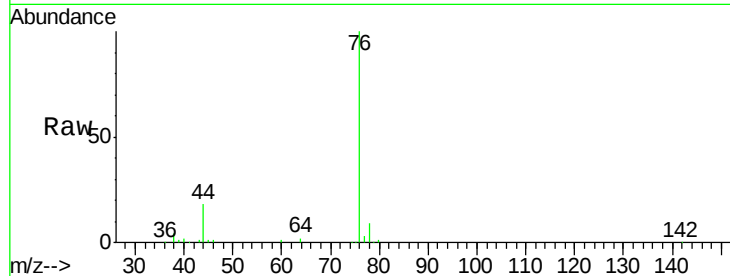
78 9.5 7.2 10.8

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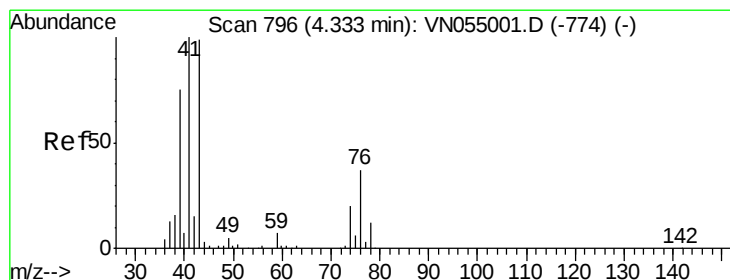
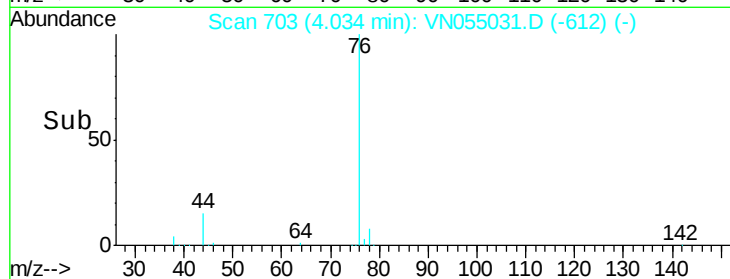
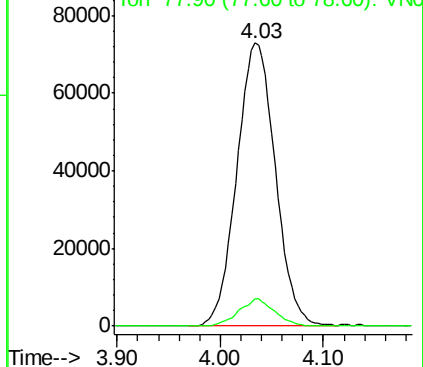
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.429 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.00 min

Lab File: VN055031.D

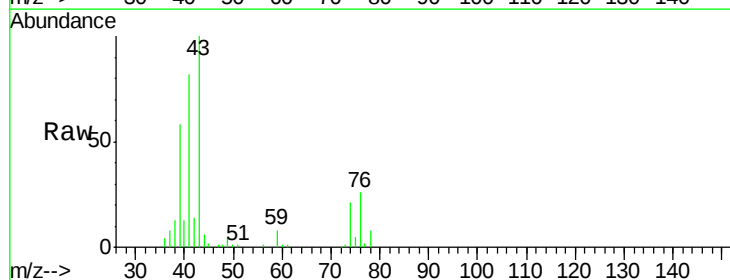
Acq: 13 Apr 2019 15:55

Tgt Ion: 43 Resp: 92351

Ion Ratio Lower Upper

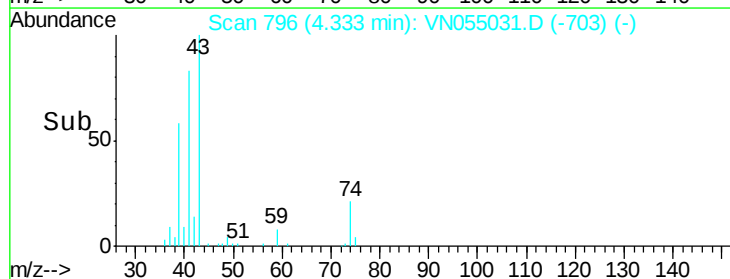
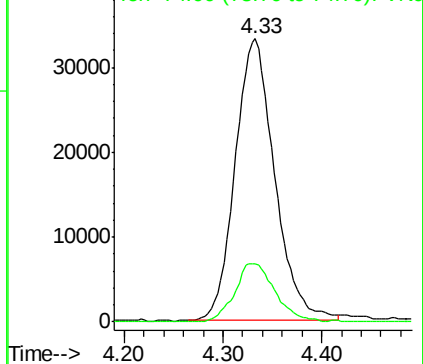
43 100

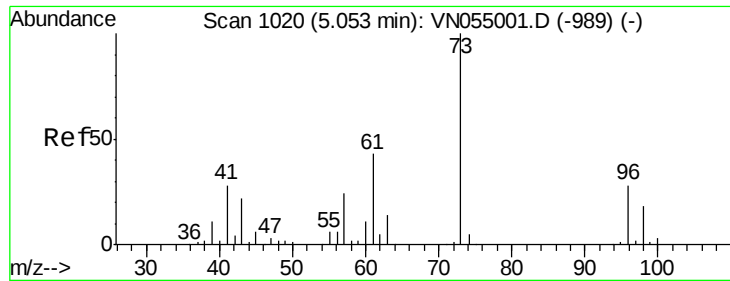
74 21.1 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





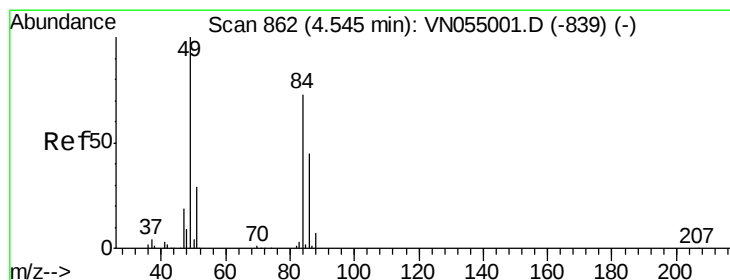
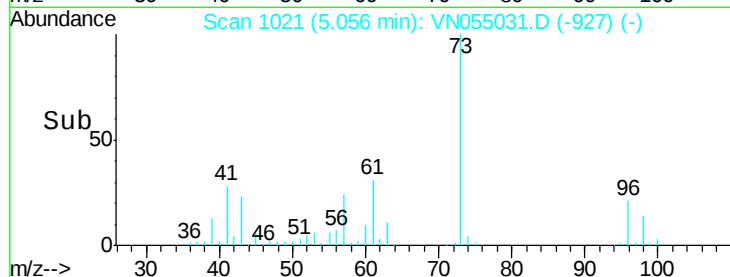
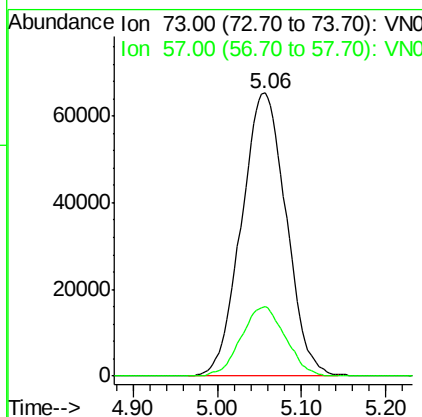
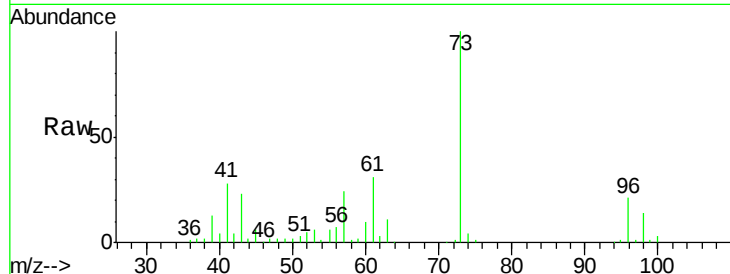
#19
Methvl tert-butvl Ether
Concen: 21.587 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

Tot Ion: 73 Resp: 240493
Ion Ratio Lower Upper
73 100
57 24.5 19.0 28.4

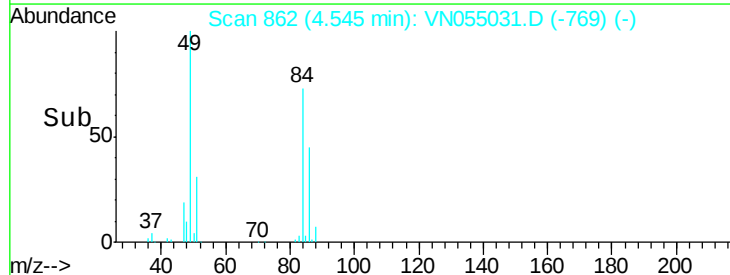
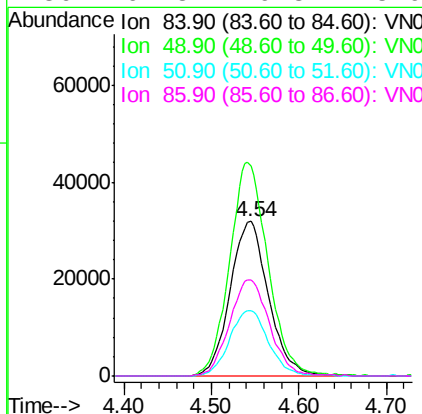
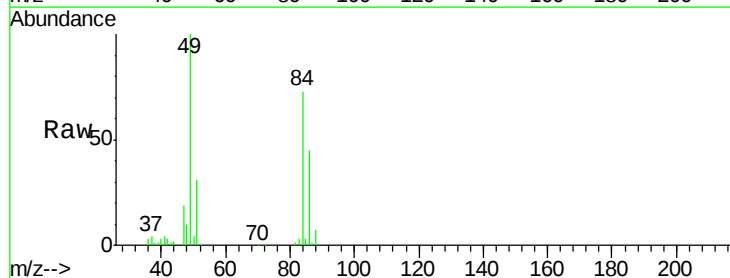
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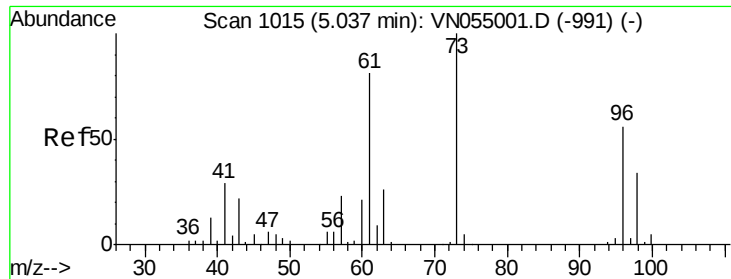
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#20
Methylene Chloride
Concen: 20.662 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion: 84 Resp: 97249
Ion Ratio Lower Upper
84 100
49 136.1 109.4 164.2
51 42.1 32.2 48.4
86 61.8 49.3 73.9





#21

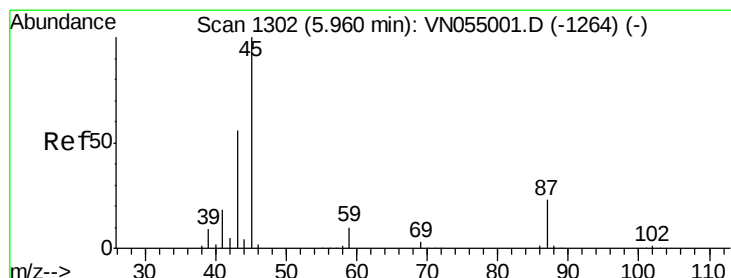
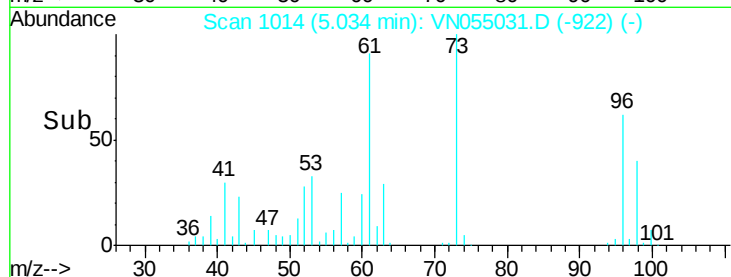
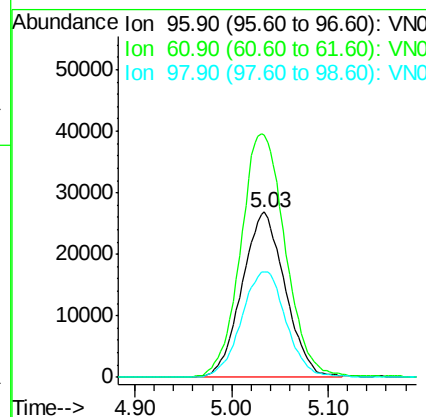
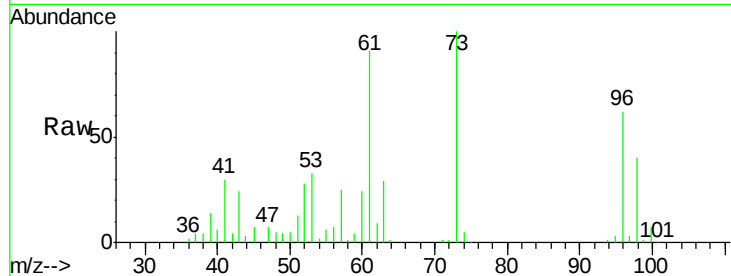
trans-1,2-Dichloroethene
Concen: 20.238 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	114.9	172.3
98	64.1	48.4	72.6

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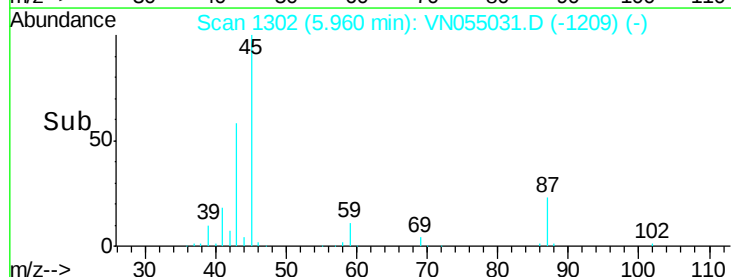
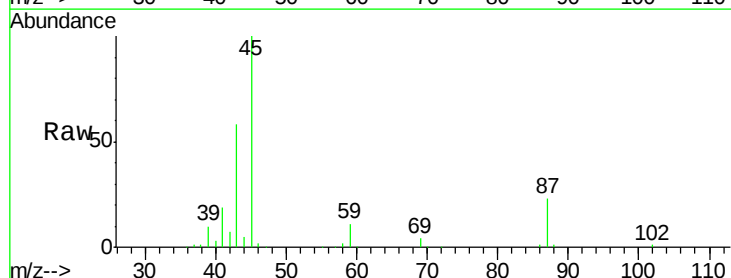
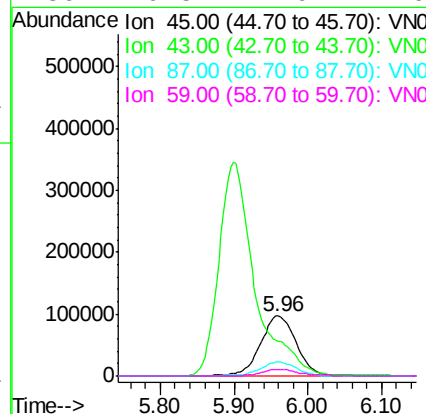
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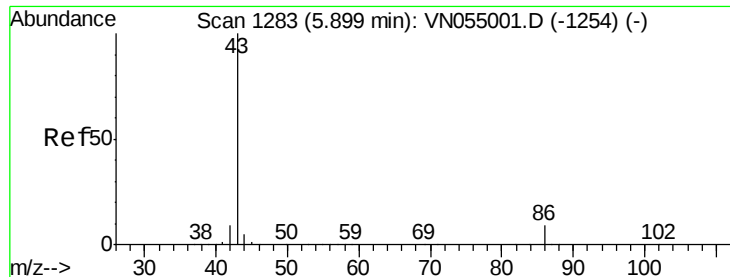


#22

Diisopropyl ether
Concen: 21.337 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	44.8	67.2
87	22.7	18.9	28.3
59	10.5	7.9	11.9





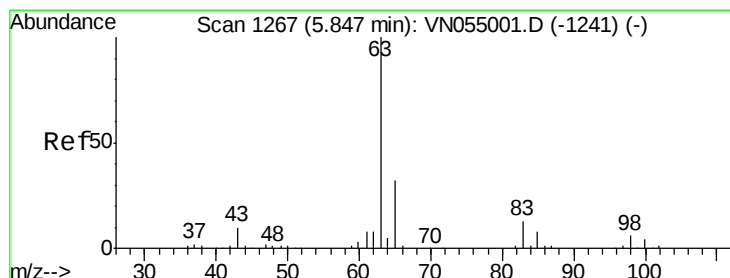
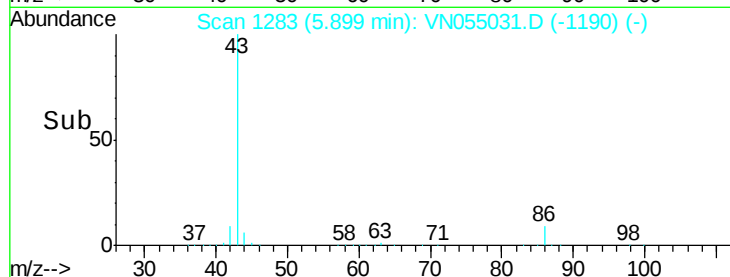
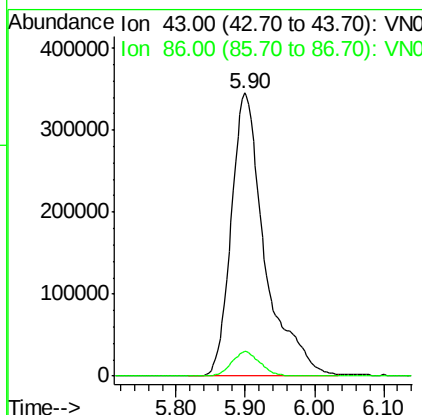
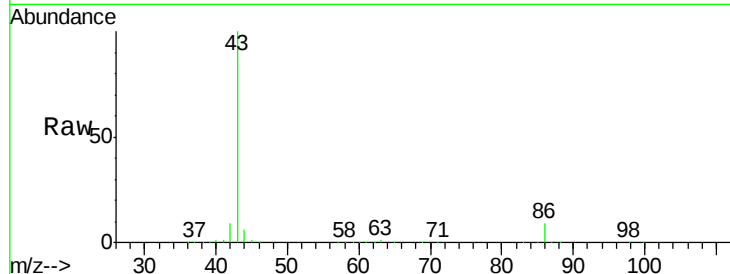
#23
 Vinyl Acetate
 Concen: 107.992 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion: 43 Resp: 1166728
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.0 10.4

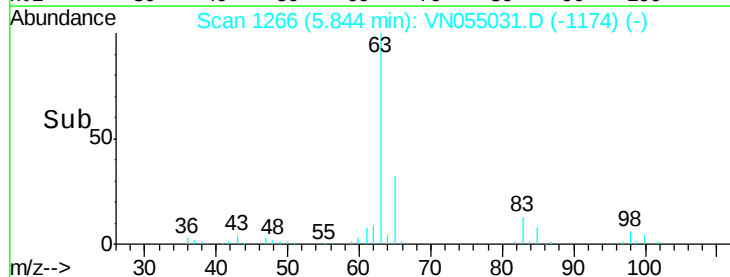
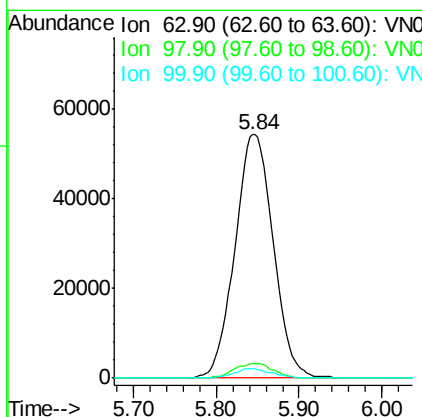
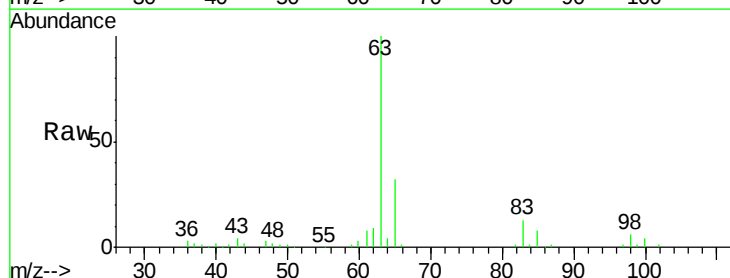
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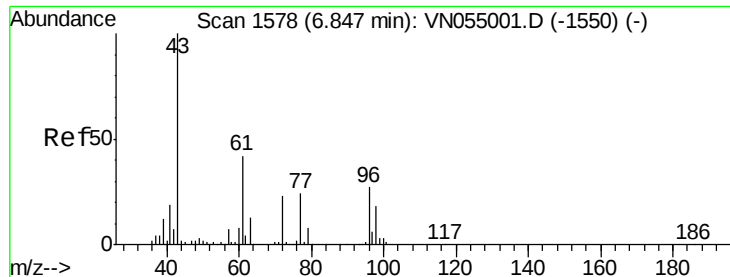
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#24
 1,1-Dichloroethane
 Concen: 20.928 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Tgt Ion: 63 Resp: 174592
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 110.917 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0414WBSD01

Tot Ion: 43 Resp: 237506

Ion Ratio Lower Upper

43 100

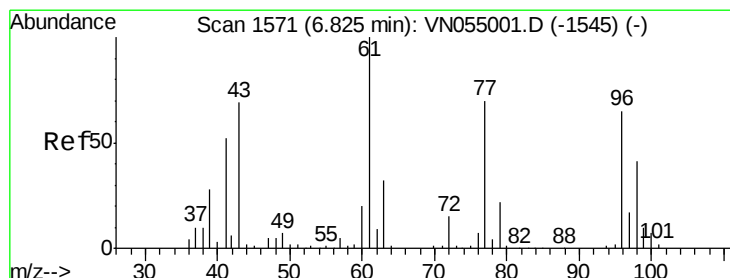
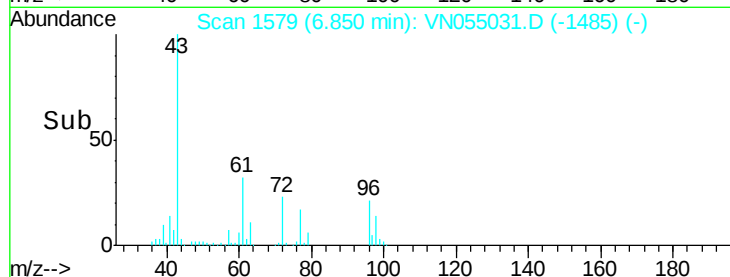
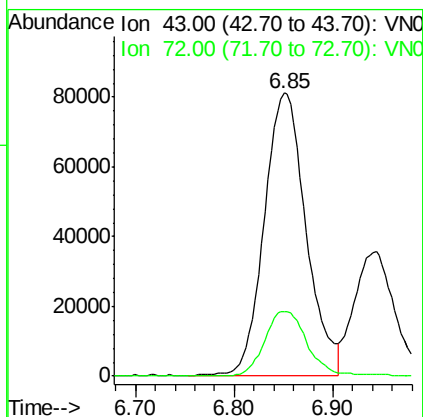
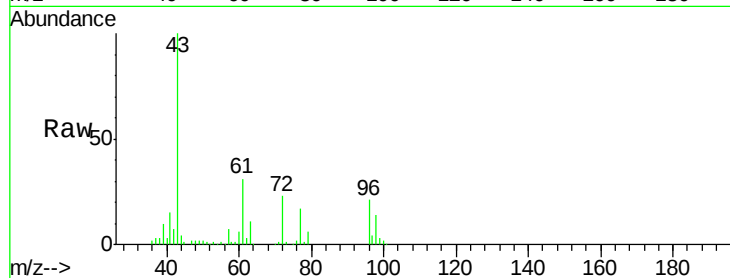
72 23.0 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 18.233 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055031.D

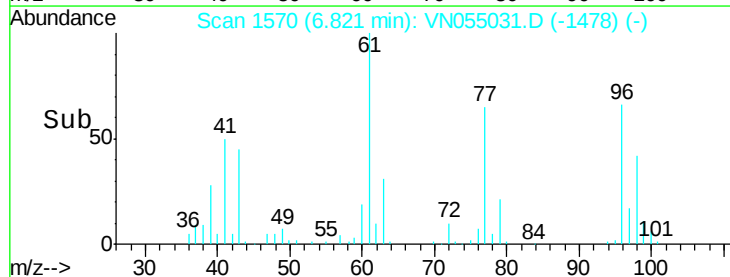
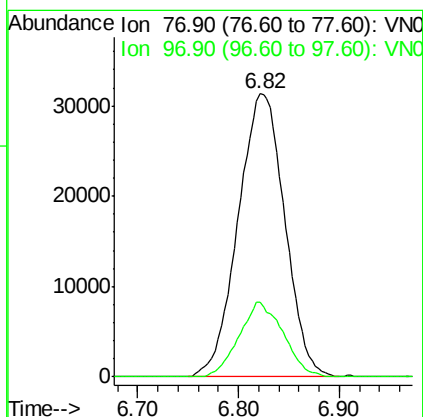
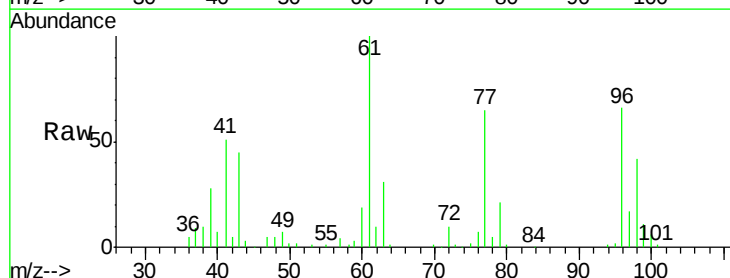
Acq: 13 Apr 2019 15:55

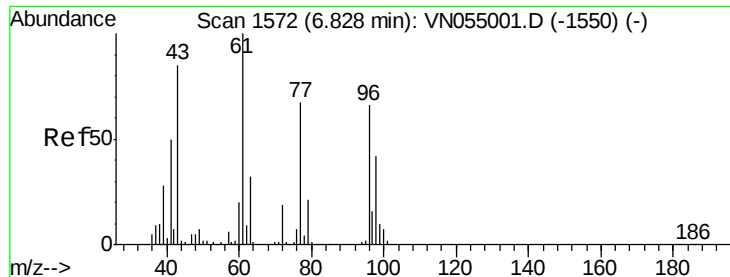
Tgt Ion: 77 Resp: 100633

Ion Ratio Lower Upper

77 100

97 25.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.322 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

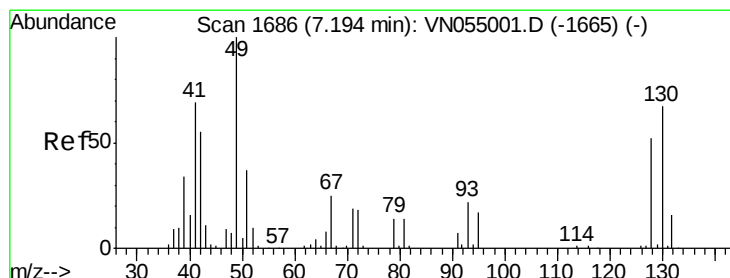
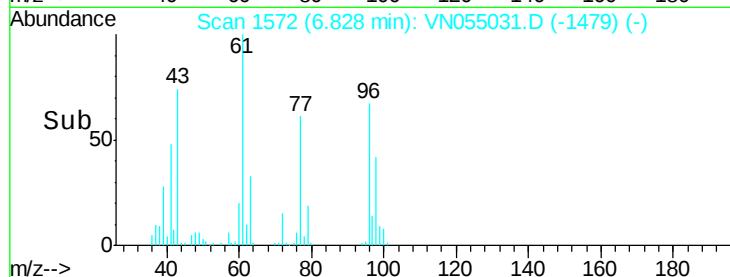
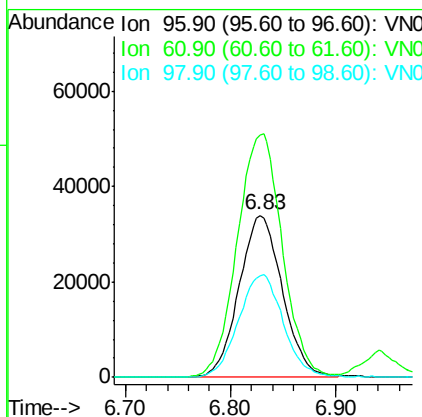
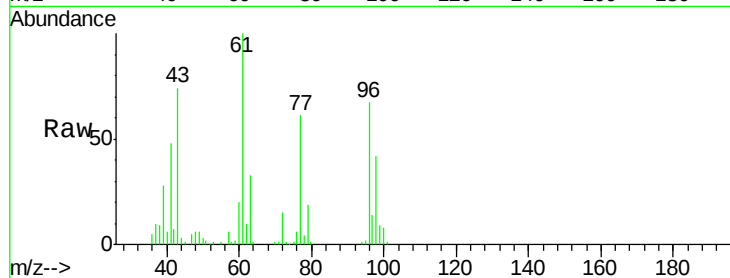
ClientSampleId :

VN0414WBSD01

Tot Ion:	96	Resp:	96973
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	311.0
98	65.5	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 22.483 ug/l

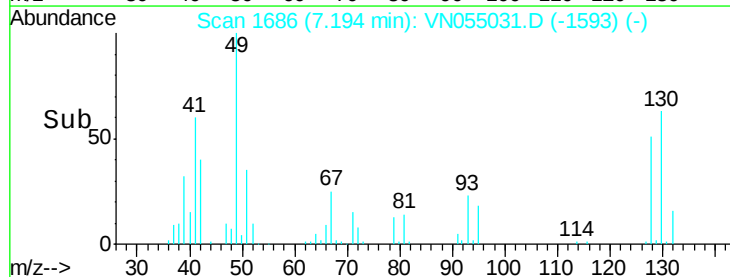
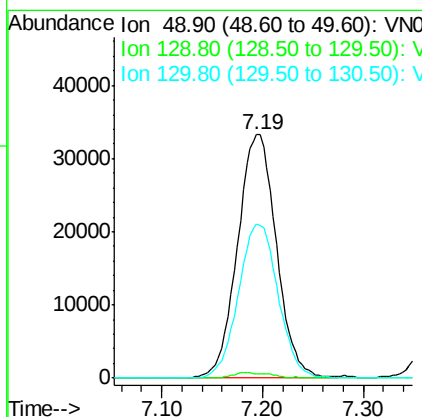
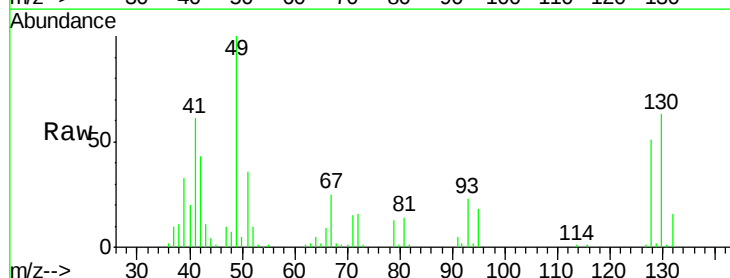
RT: 7.19 min Scan# 1686

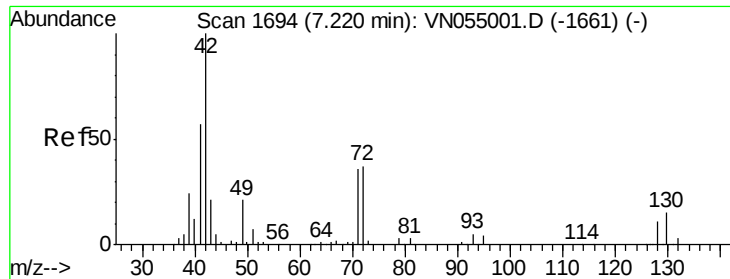
Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	49	Resp:	88992
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0
130	64.4	53.4	80.2





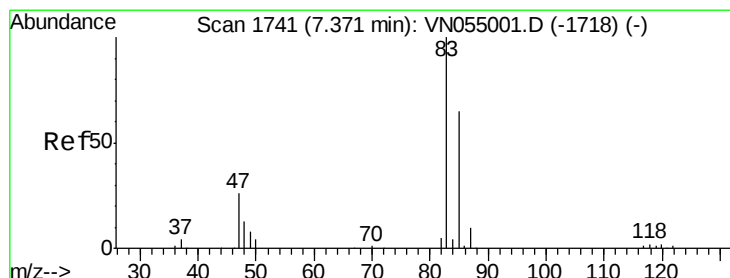
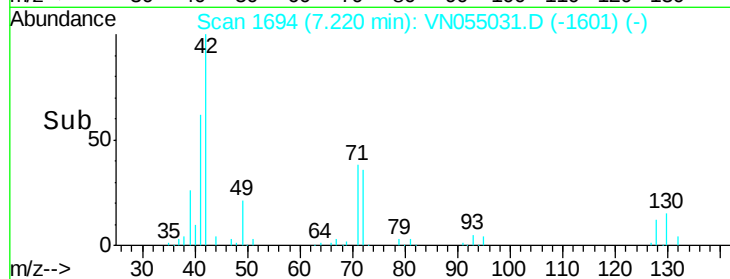
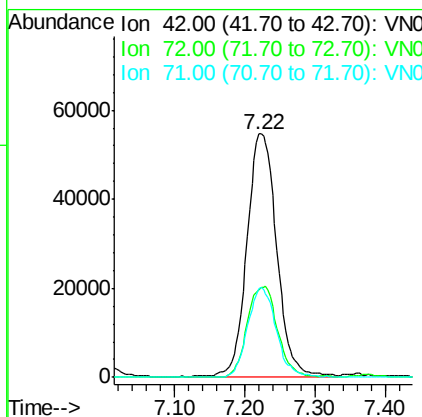
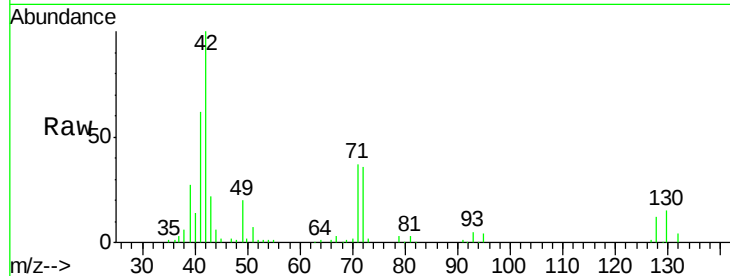
#29
Tetrahydrofuran
Concen: 115.443 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.4	44.0
71	35.2	27.8	41.6

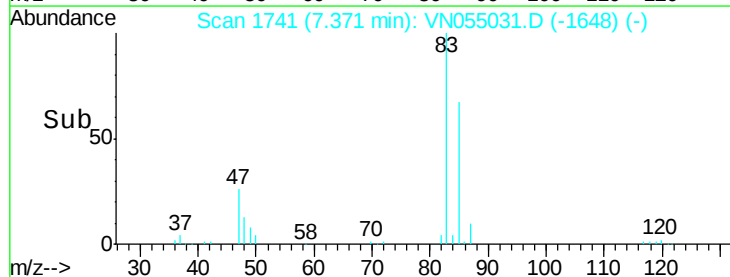
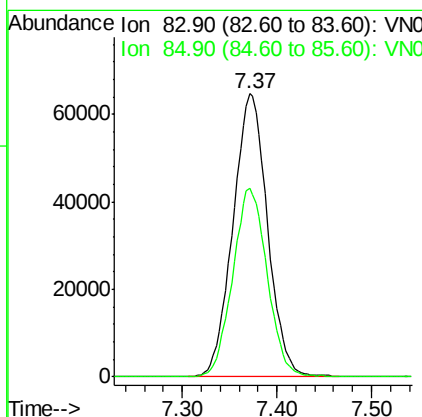
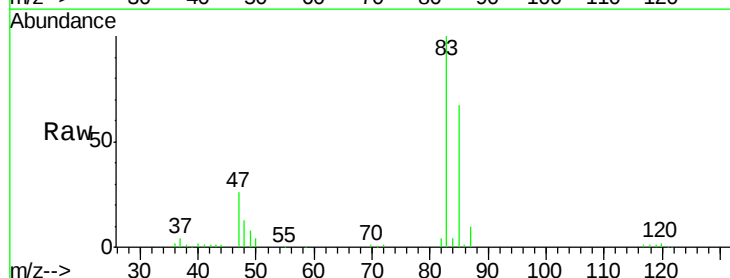
Manual Integrations
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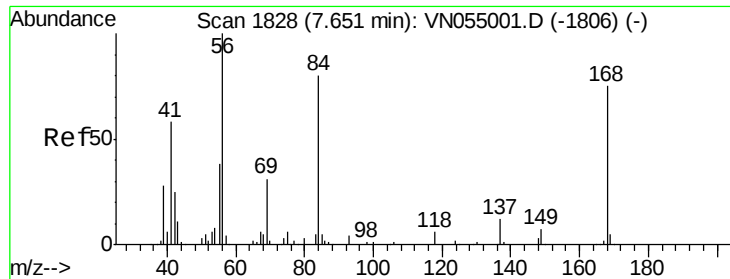
MMDadoda
4/17/2019 10:04:16 AM



#30
Chloroform
Concen: 20.652 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6





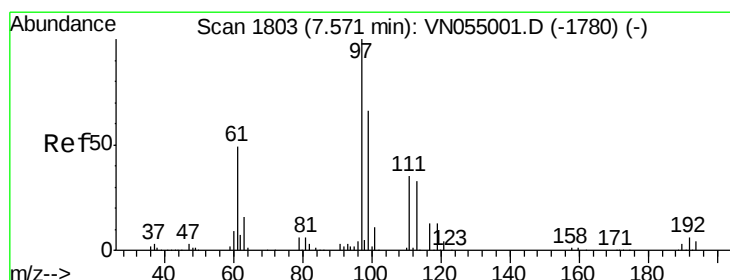
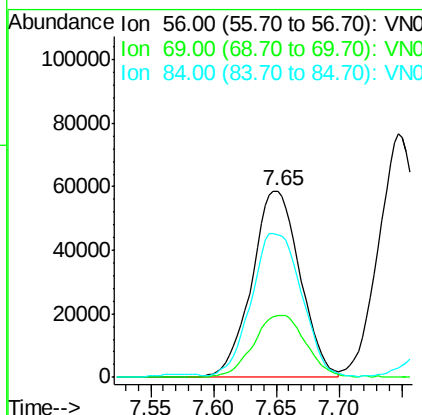
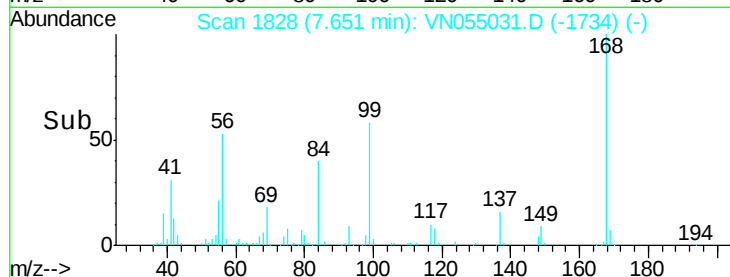
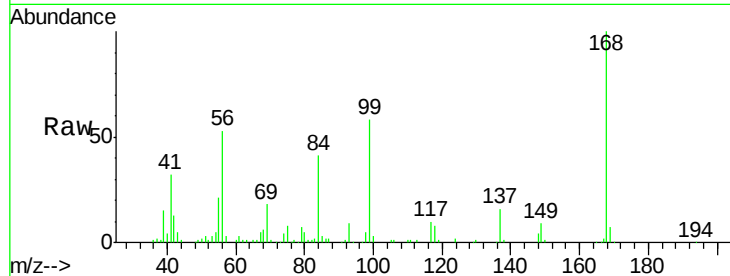
#31
Cyclohexane
Concen: 19.505 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.5	36.7
84	75.3	62.9	94.3

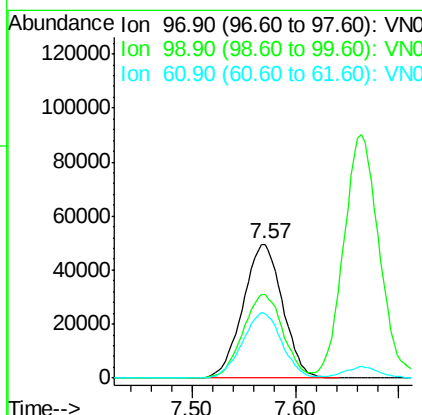
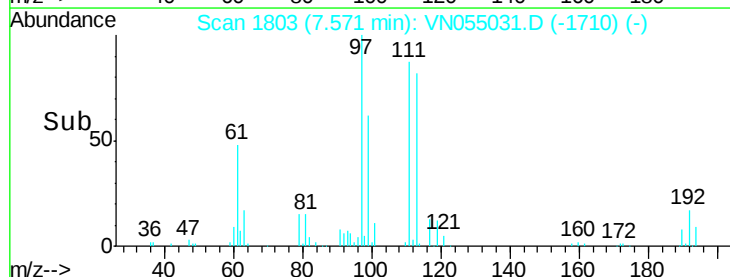
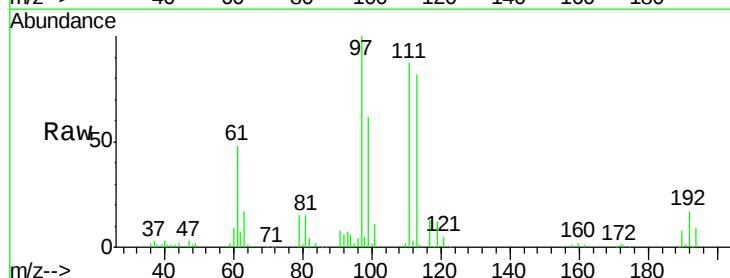
Manual Integrations
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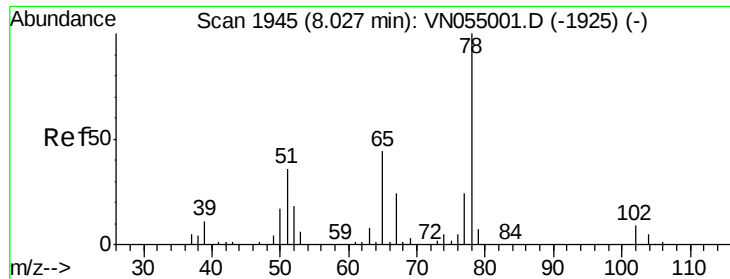
MMDadoda
4/17/2019 10:04:16 AM



#32
1,1,1-Trichloroethane
Concen: 20.837 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	48.7	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 55.087 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 65 Resp: 278792

Ion Ratio Lower Upper

65 100

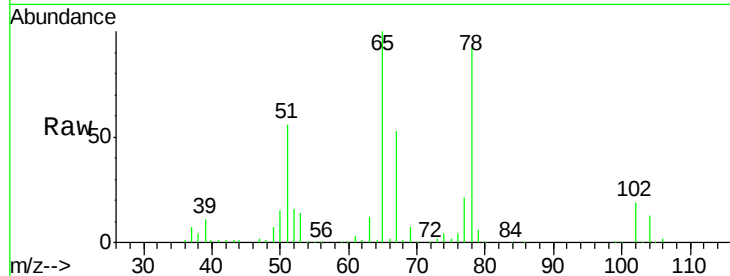
67 53.9 0.0 106.4

Manual Integrations

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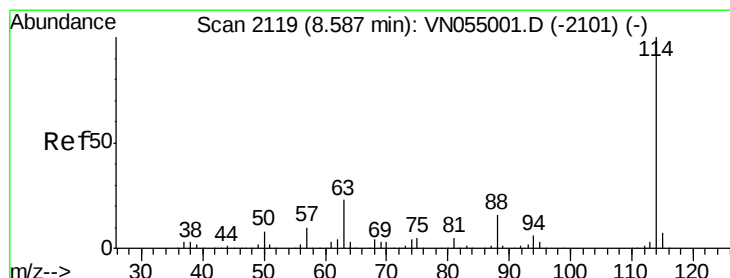
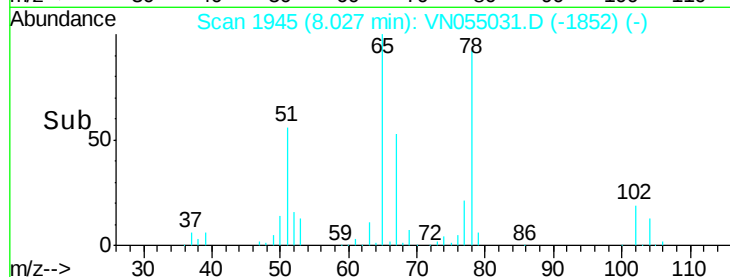
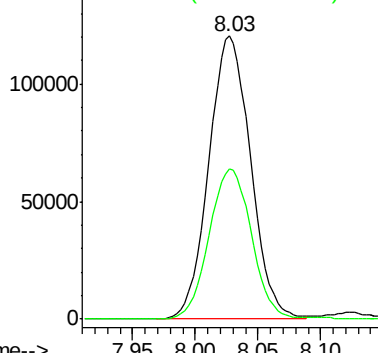
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

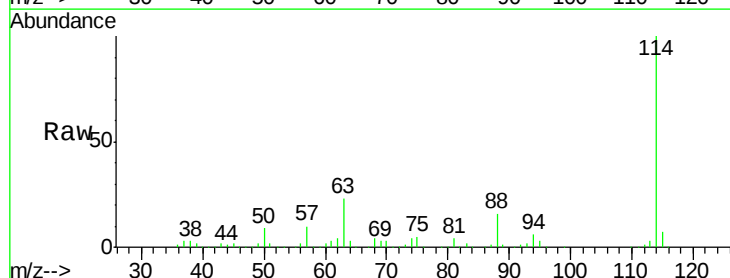
Tgt Ion: 114 Resp: 661965

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

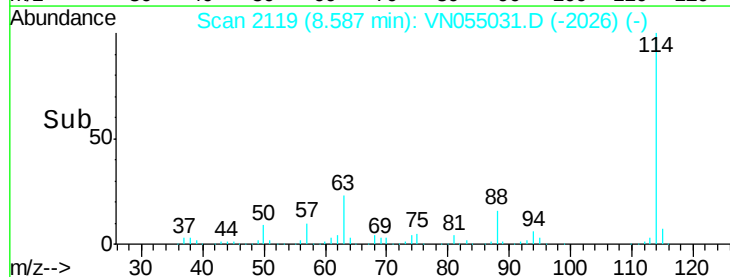
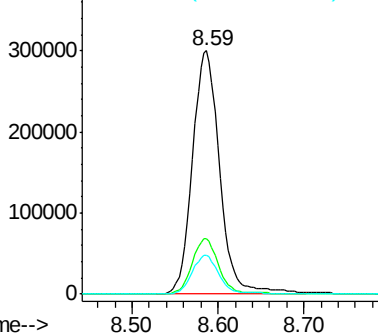
88 16.2 0.0 31.8

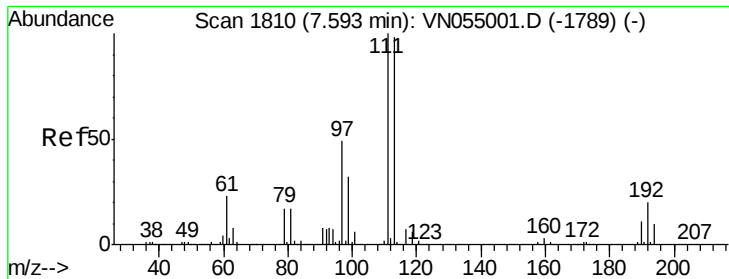


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 52.459 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

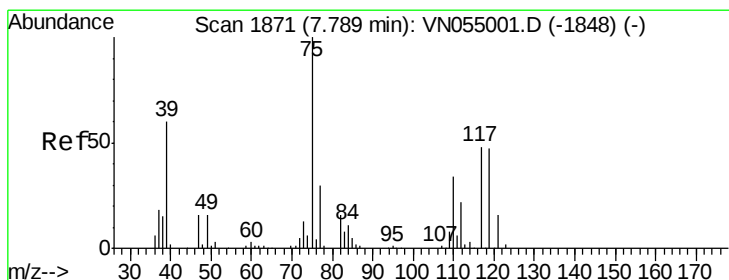
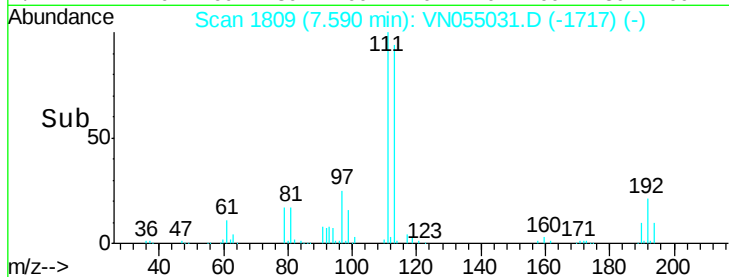
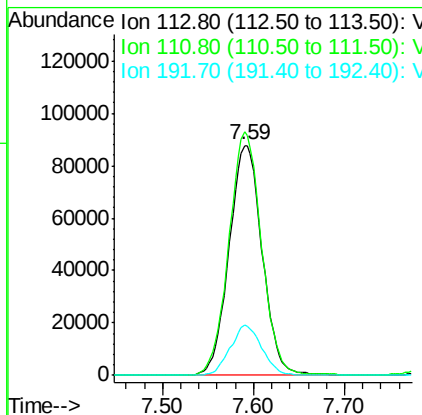
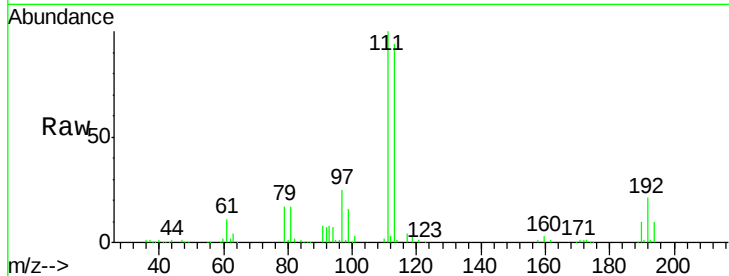
ClientSampleId :

VN0414WBSD01

Tot Ion:	113	Resp:	221370
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.1	123.1
192	20.8	16.5	24.7

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#36

1,1-Dichloropropene

Concen: 19.485 ug/l

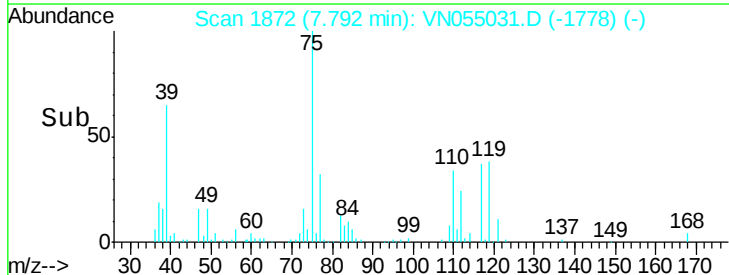
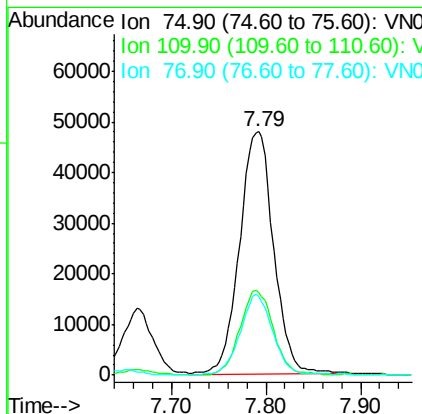
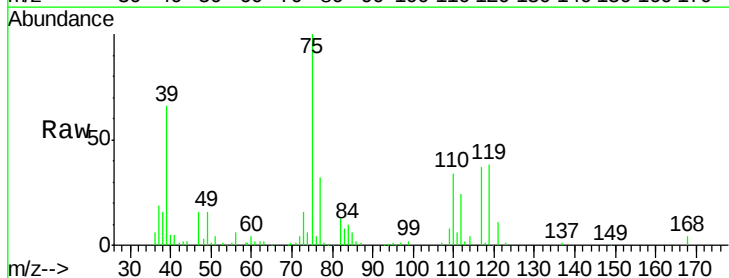
RT: 7.79 min Scan# 1872

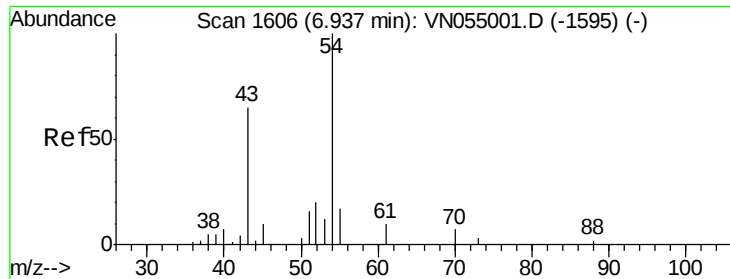
Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	75	Resp:	119206
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.5	52.5
77	32.3	24.9	37.3





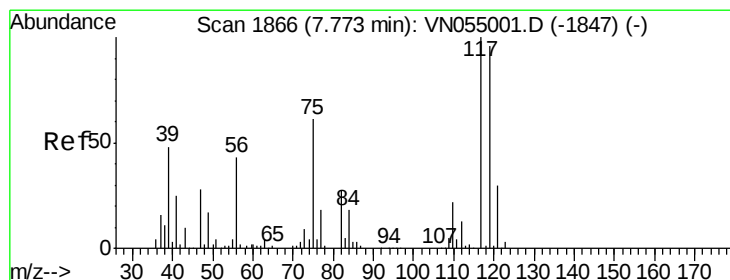
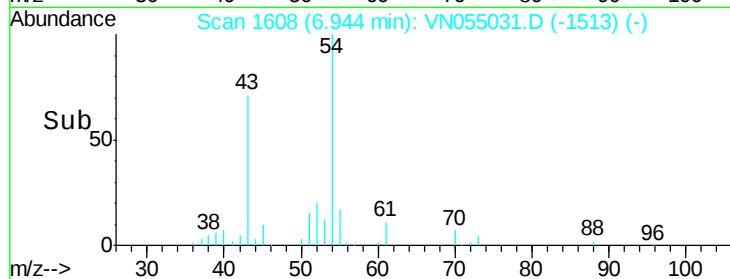
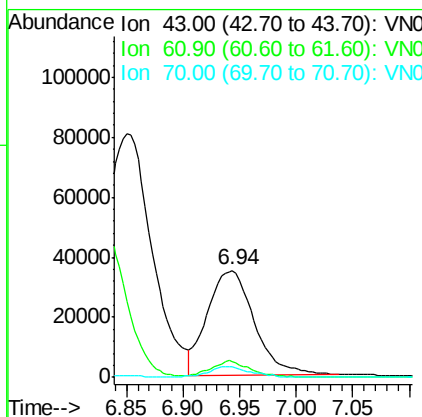
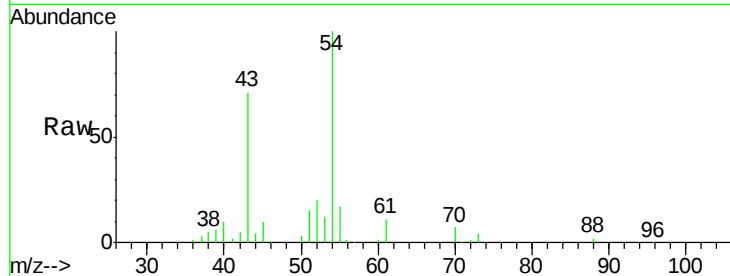
#37
Ethyl Acetate
Concen: 21.971 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

Tot Ion	43	61	70	Resp	Lower	Upper
100909	100	13.3	9.3			
		10.0	7.1			

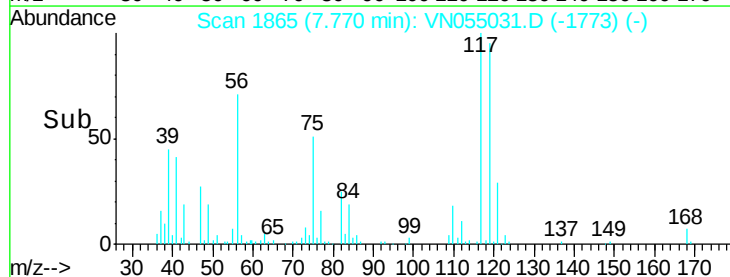
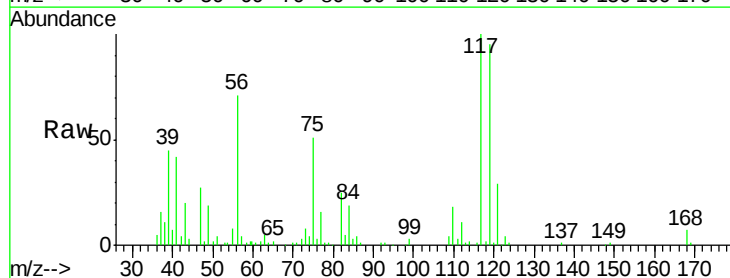
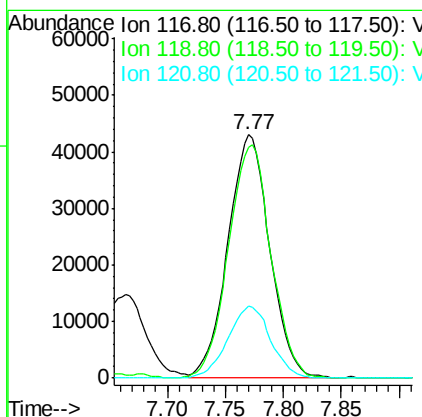
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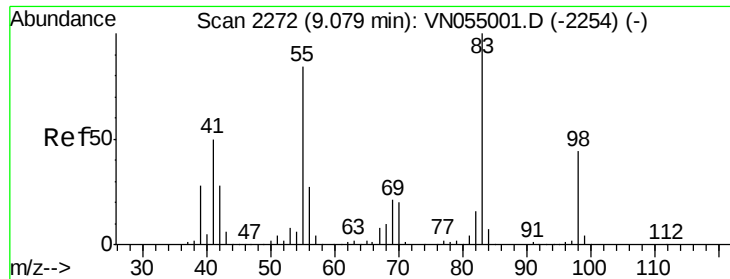
MMDadoda
4/17/2019 10:04:16 AM



#38
Carbon Tetrachloride
Concen: 18.710 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	117	119	121	Resp	Lower	Upper
107749	100	95.0	29.5			
		76.3	23.9			





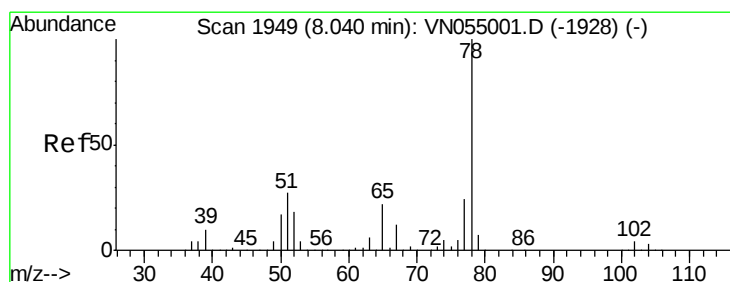
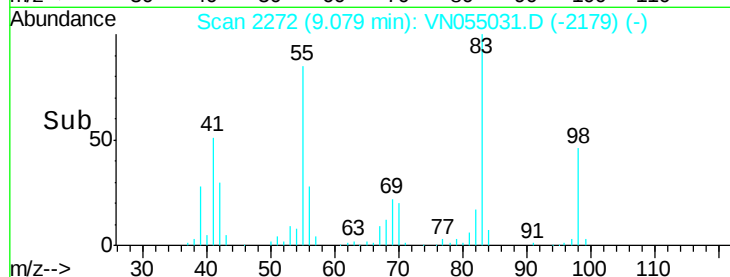
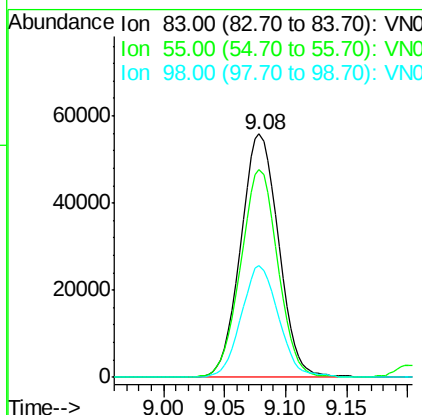
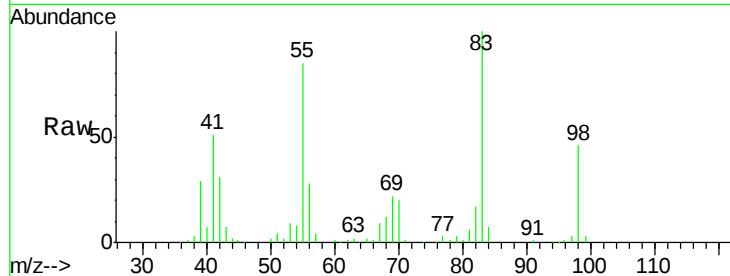
#39
Methvlcvclohexane
Concen: 17.130 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.4	67.0	100.4	
98	45.9	35.6	53.4	

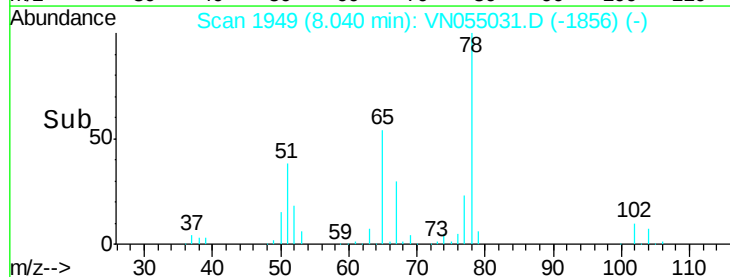
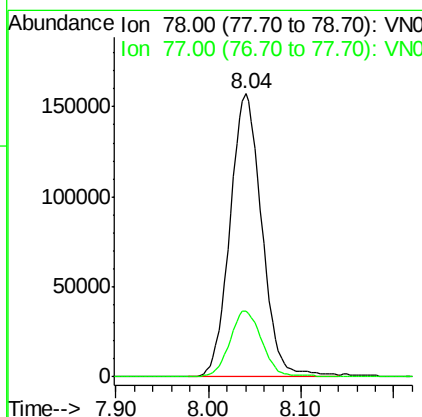
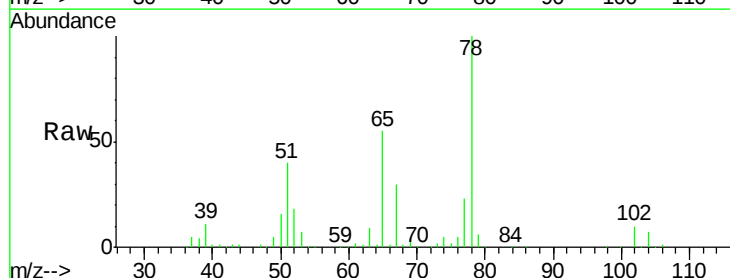
Manual Integrations
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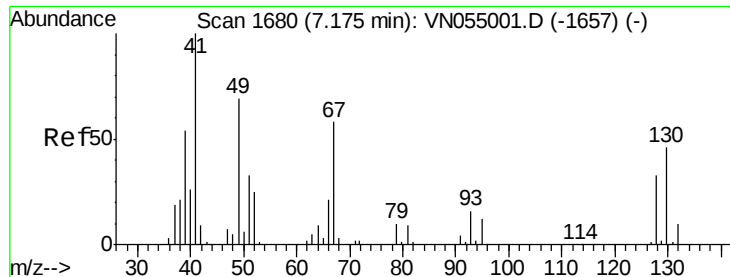
MMDadoda
4/17/2019 10:04:16 AM



#40
Benzene
Concen: 20.268 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.8	28.2	





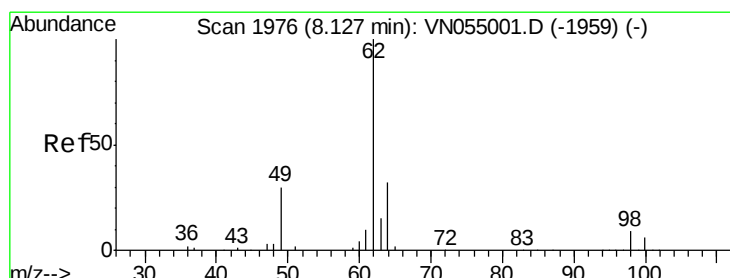
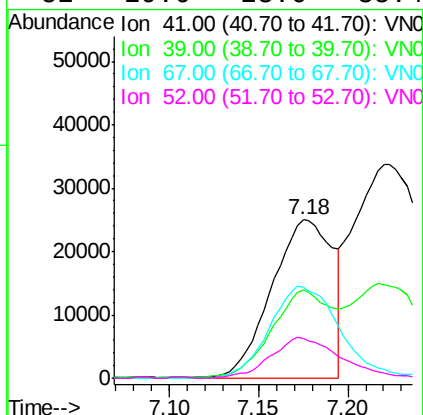
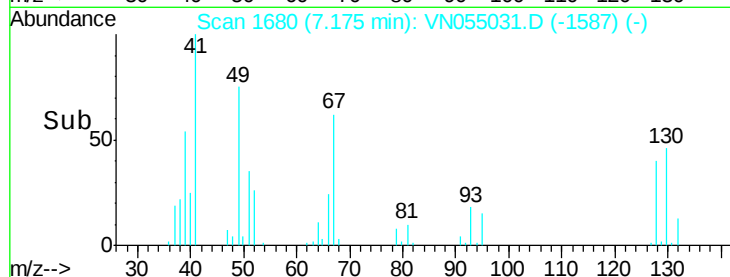
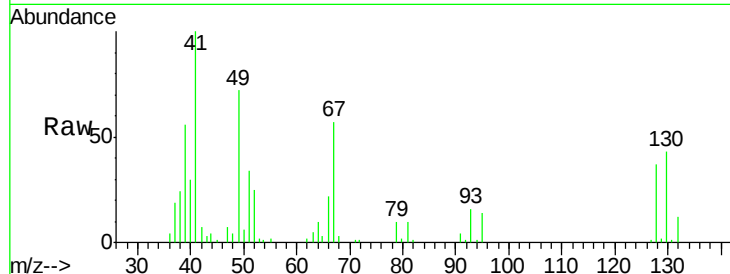
#41
Methacrylonitrile
Concen: 21.098 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	45.6	68.4	
67	66.7	57.0	85.6	
52	29.6	23.6	35.4	

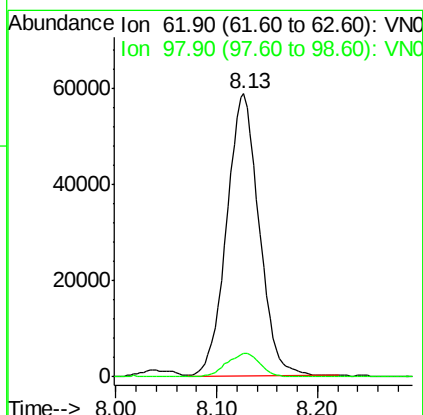
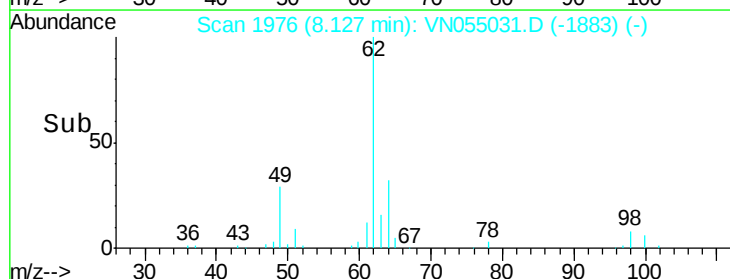
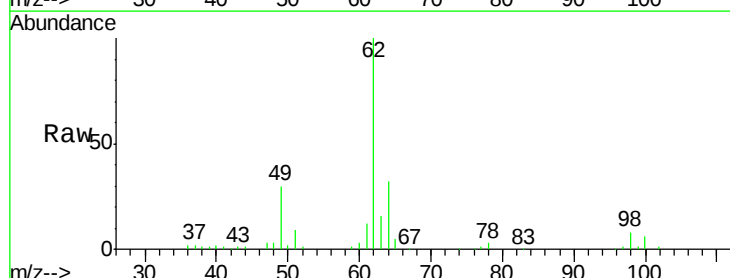
Manual Integrations
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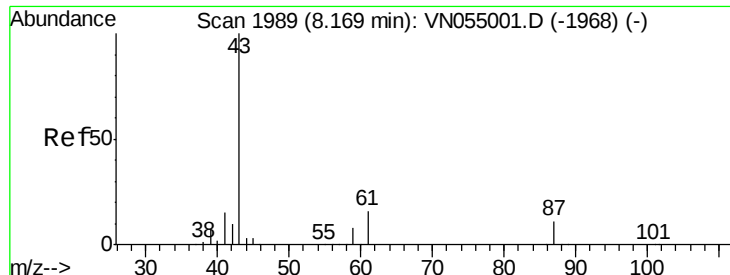
MMDadoda
4/17/2019 10:04:16 AM



#42
1,2-Dichloroethane
Concen: 20.240 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.4	





#43

Isopropyl Acetate

Concen: 21.651 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

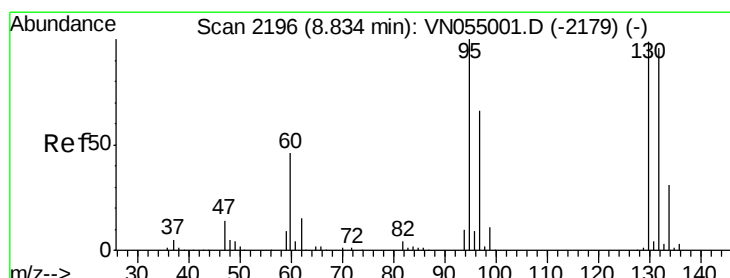
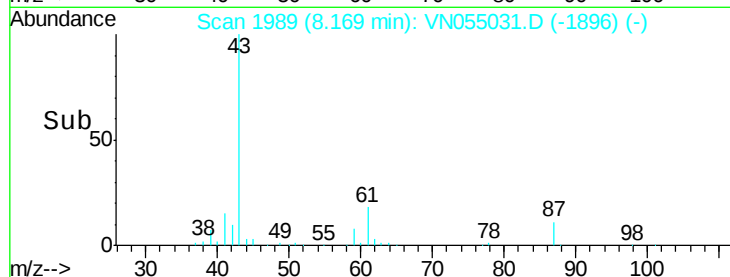
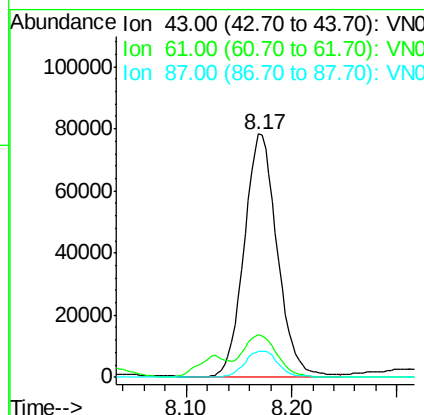
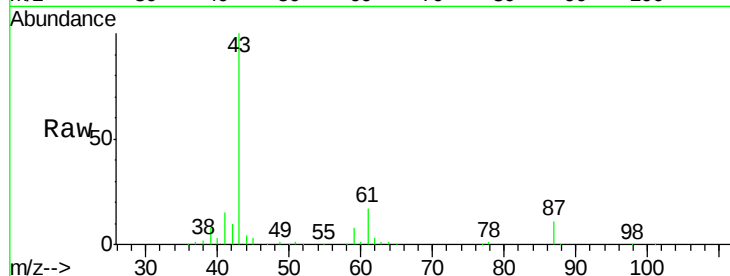
ClientSampleId :

VN0414WBSD01

Tot Ion:	43	Resp:	170029
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.1	8.6	13.0

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4/17/2019 10:04:16 AM



#44

Trichloroethene

Concen: 19.444 ug/l

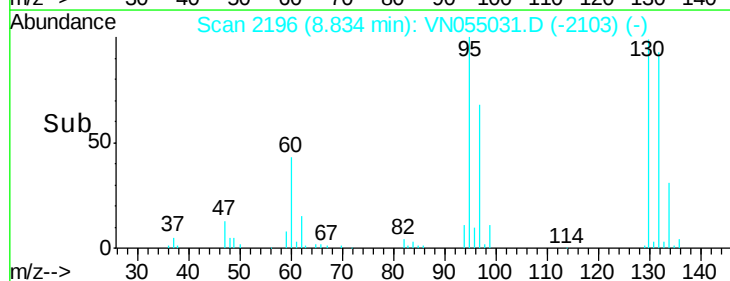
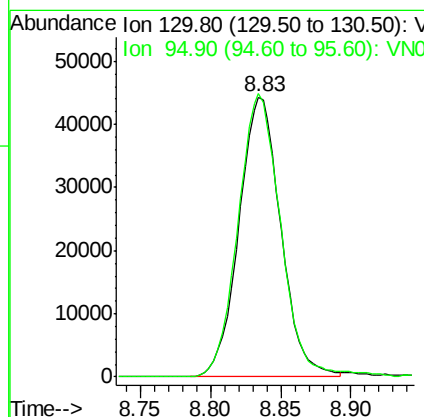
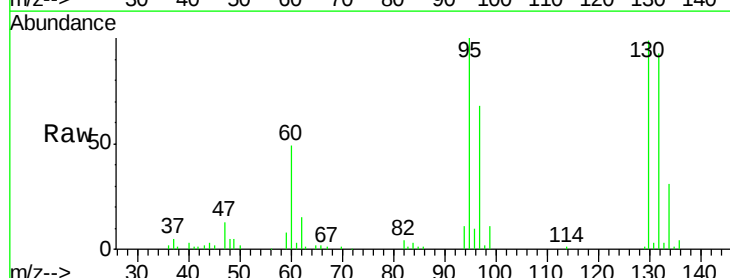
RT: 8.83 min Scan# 2196

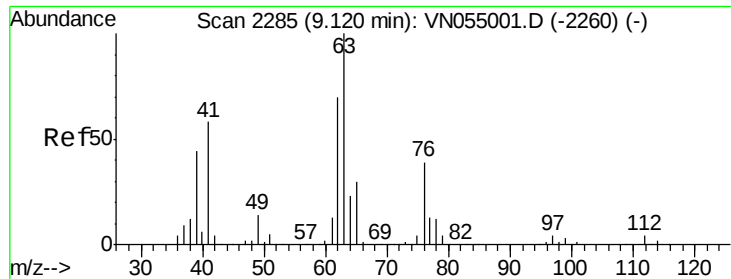
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	130	Resp:	91908
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	201.6





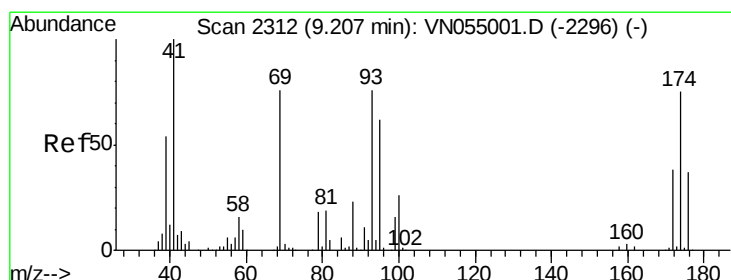
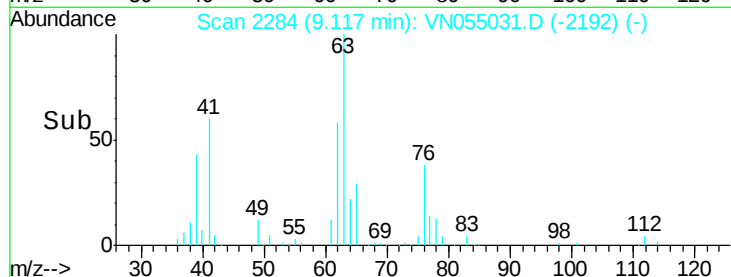
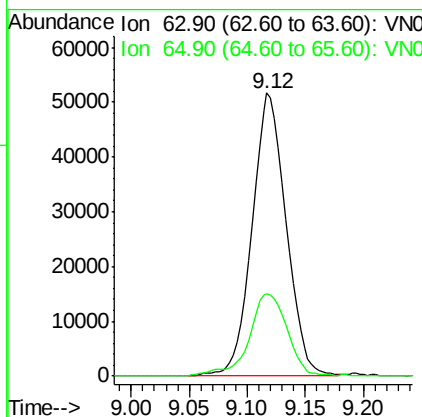
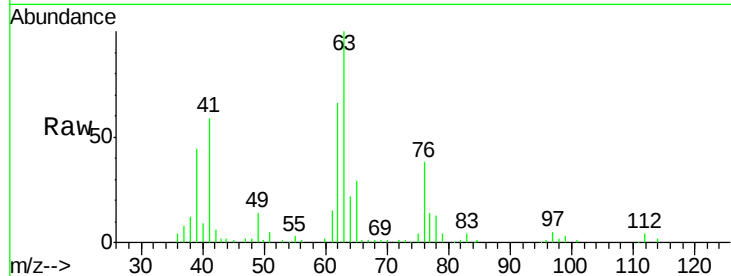
#45
 1,2-Dichloropropane
 Concen: 20.293 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion: 63 Resp: 105922
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.4 36.6

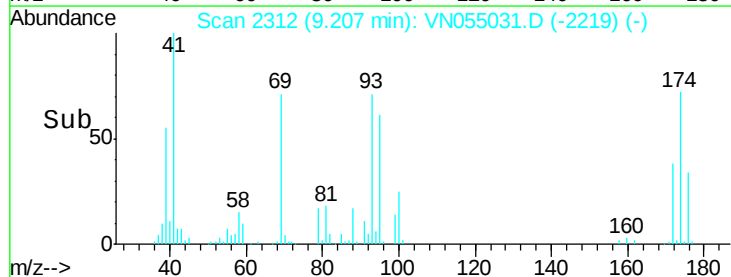
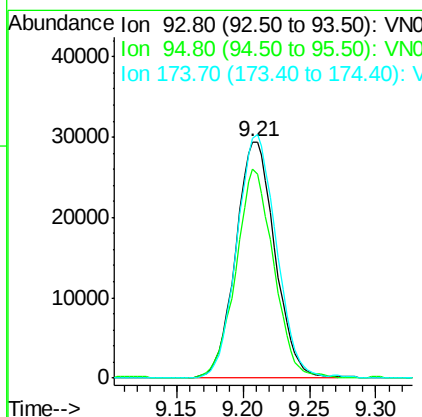
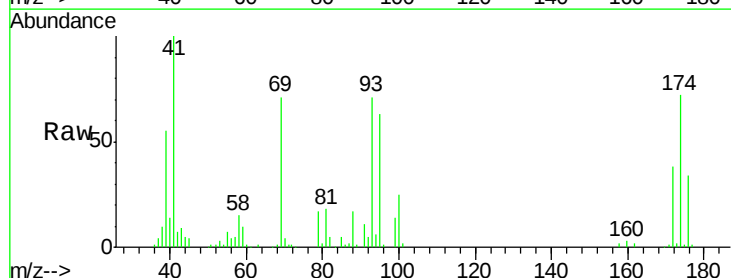
Manual Integrations
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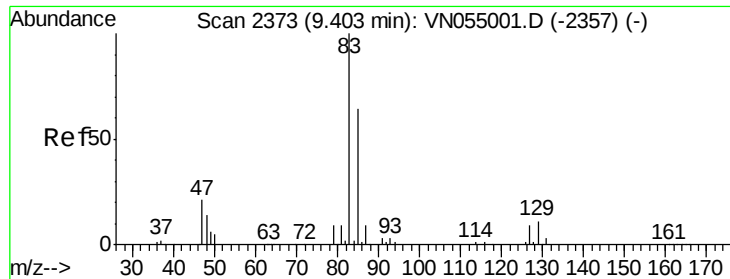
MMDadoda
 4/17/2019 10:04:16 AM



#46
 Dibromomethane
 Concen: 20.254 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Tgt Ion: 93 Resp: 60576
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.0 97.6
 174 103.6 81.0 121.6





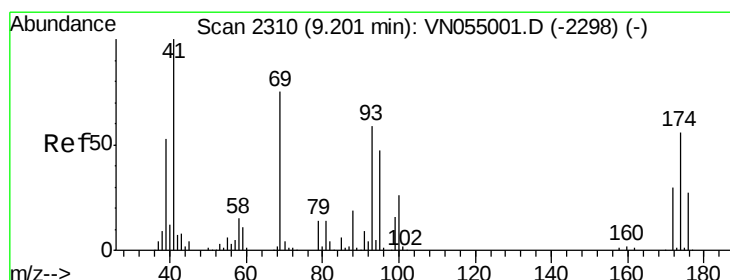
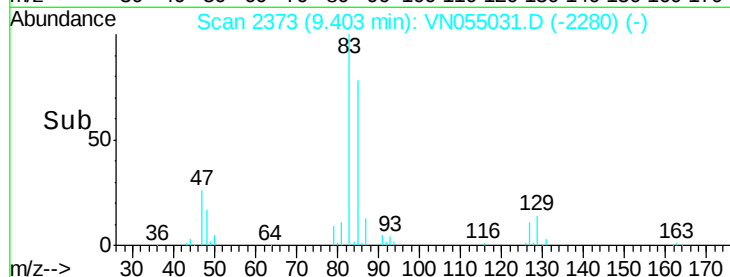
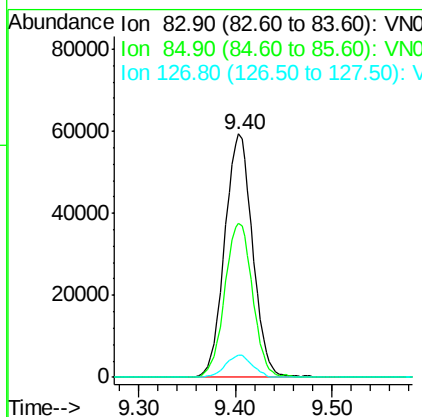
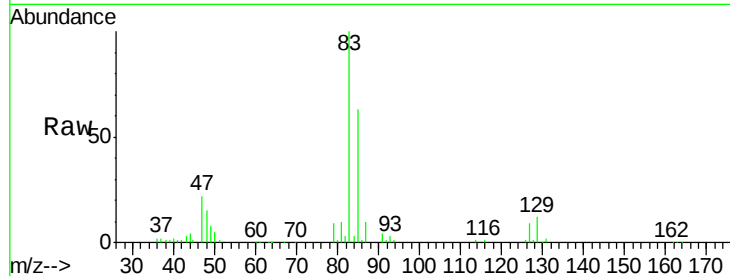
#47
Bromodichloromethane
Concen: 19.554 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	83	Resp	118927
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	9.1	6.8	10.2

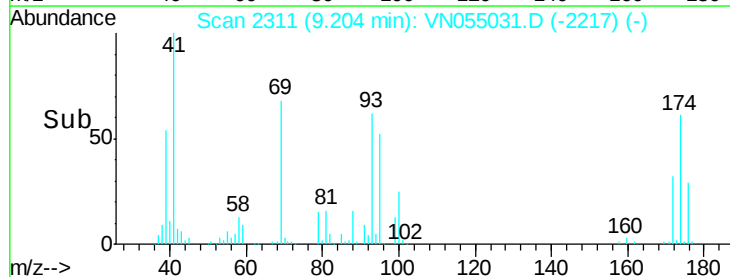
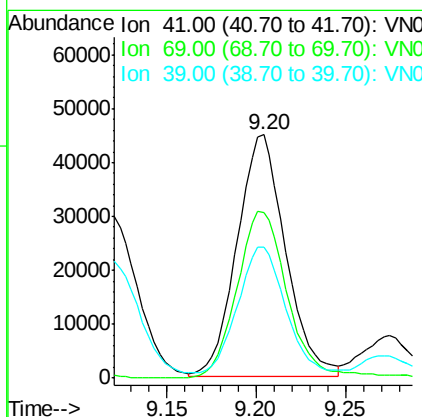
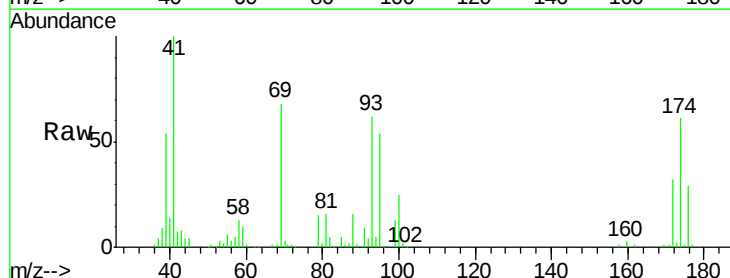
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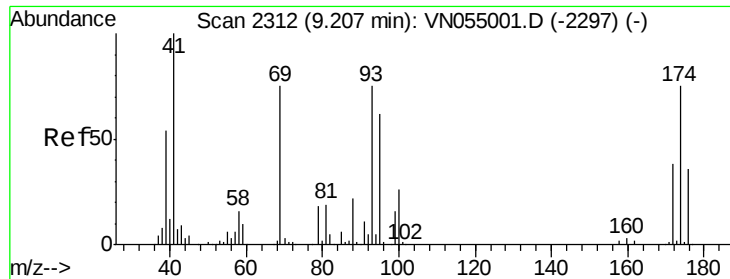
MMDadoda
4/17/2019 10:04:16 AM



#48
Methyl methacrylate
Concen: 21.070 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	41	Resp	85242
Ion Ratio	100	Lower	Upper
41	100		
69	72.5	60.5	90.7
39	53.8	43.9	65.9





#49

1,4-Dioxane

Concen: 344.695 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

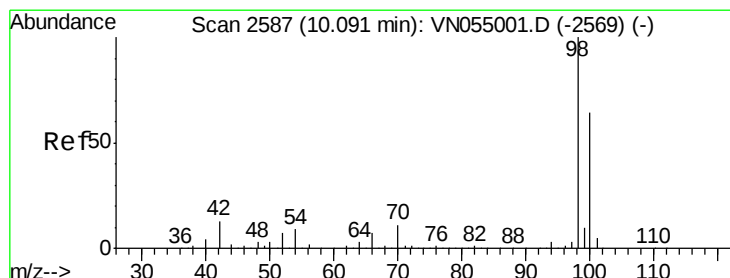
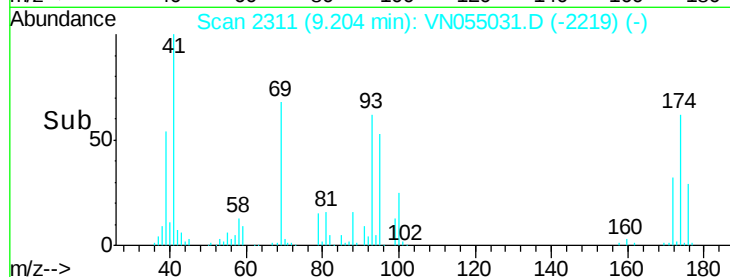
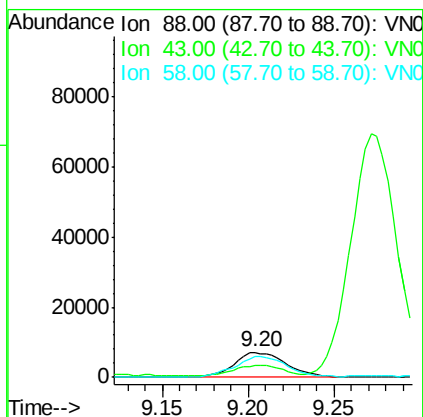
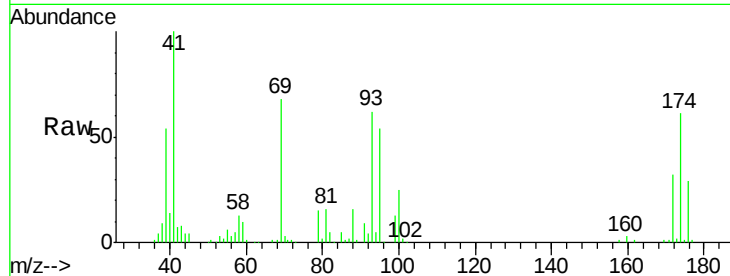
ClientSampleId :

VN0414WBSD01

Tot Ion:	88	Resp:	14997
Ion	Ratio	Lower	Upper
88	100		
43	35.5	31.8	47.8
58	83.7	61.6	92.4

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4/17/2019 10:04:16 AM



#50

Toluene-d8

Concen: 52.543 ug/l

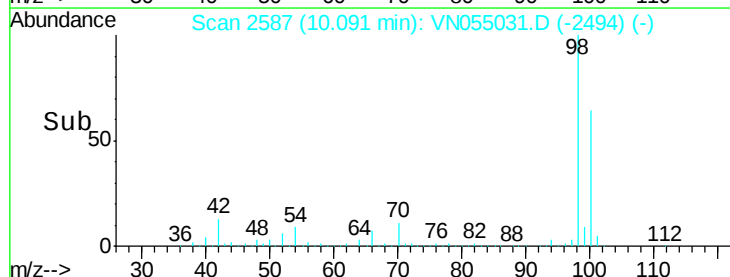
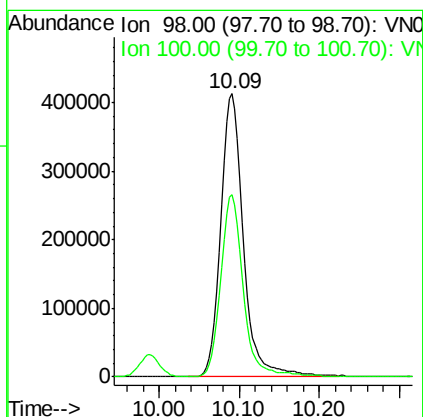
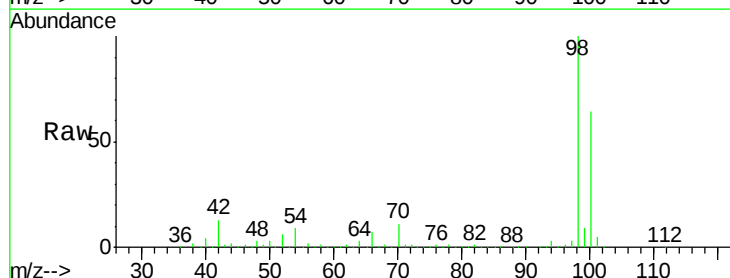
RT: 10.09 min Scan# 2587

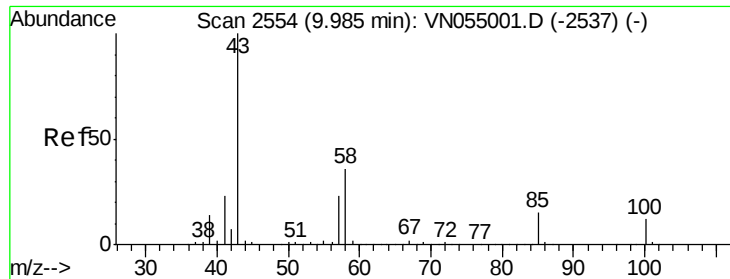
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	98	Resp:	814362
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 108.804 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 43 Resp: 500312

Ion Ratio Lower Upper

43 100

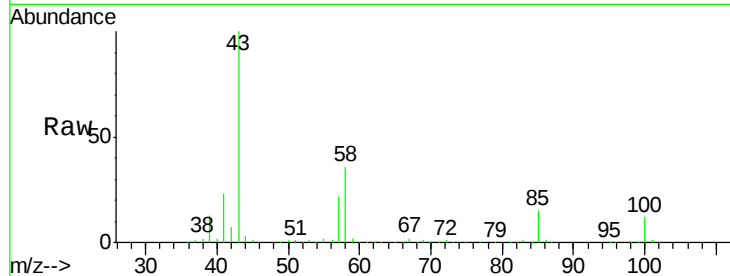
58 35.2 29.0 43.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

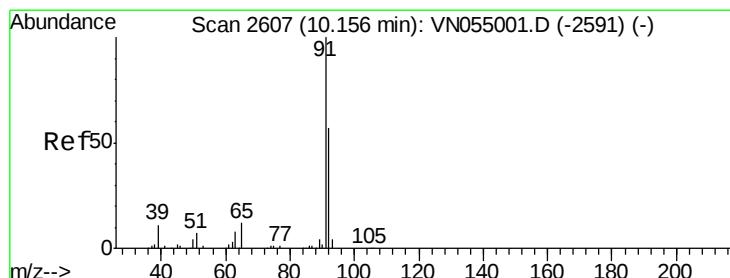
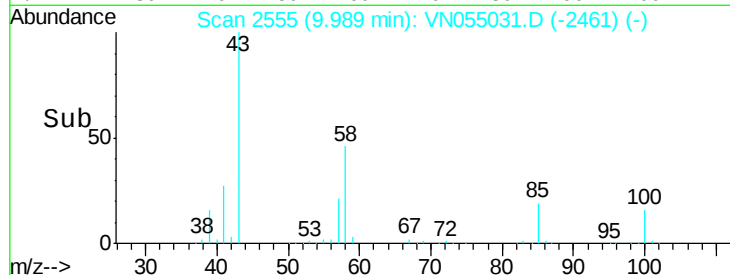
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.801 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055031.D

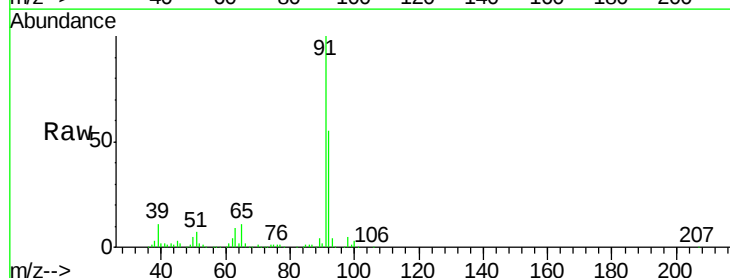
Acq: 13 Apr 2019 15:55

Tgt Ion: 92 Resp: 216606

Ion Ratio Lower Upper

92 100

91 179.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

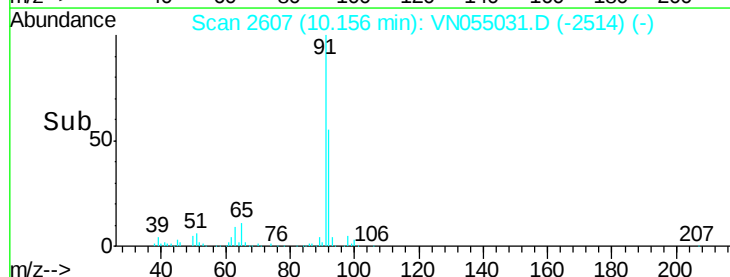
150000

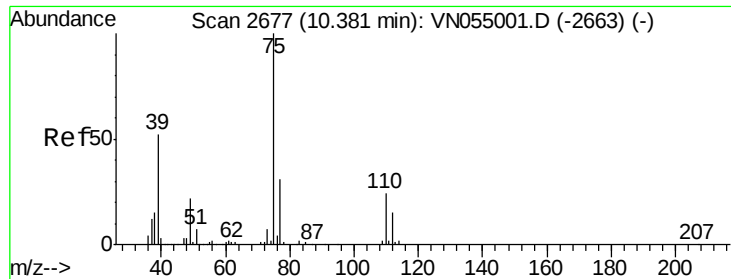
100000

50000

0

Time-->





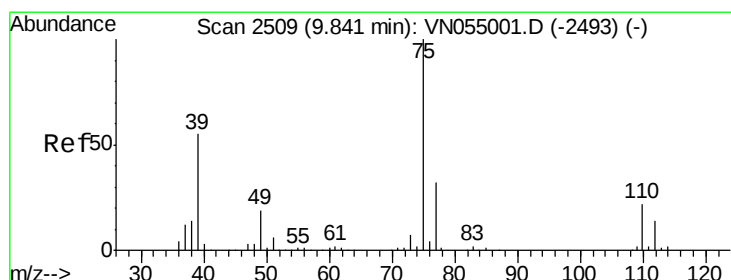
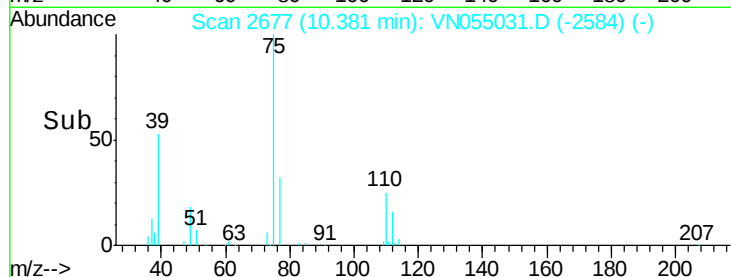
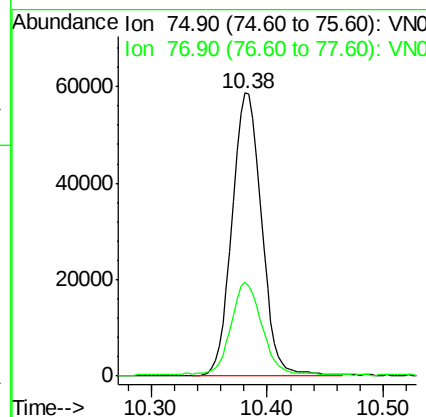
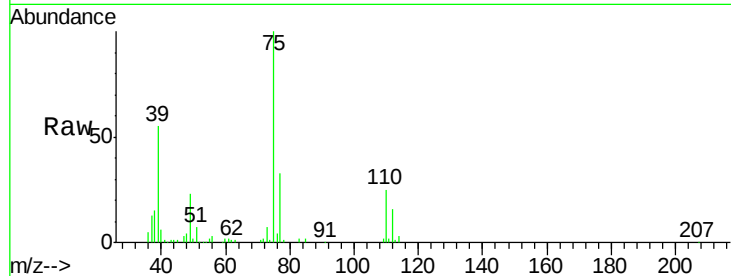
#53
t-1,3-Dichloropropene
Concen: 18.804 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 75 Resp: 103560
Ion Ratio Lower Upper
75 100
77 32.6 24.6 37.0

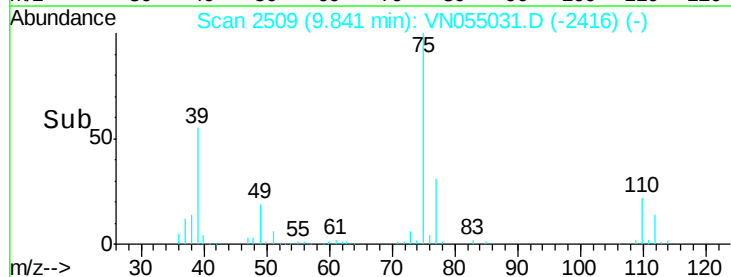
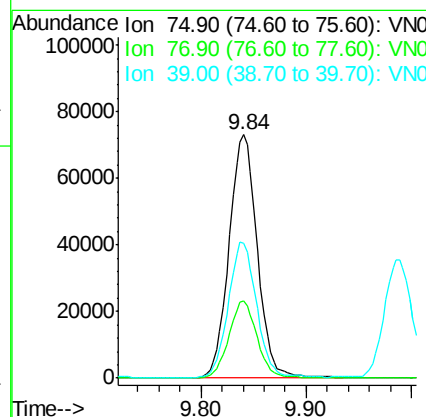
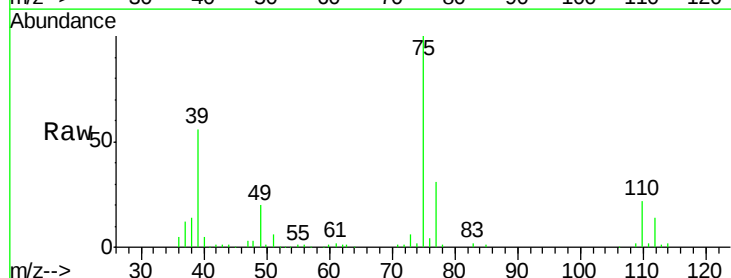
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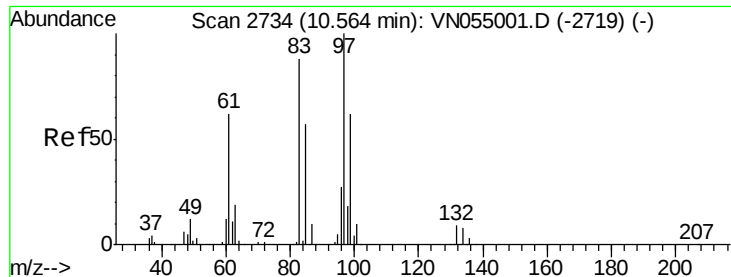
MMDadoda
4/17/2019 10:04:16 AM



#54
cis-1,3-Dichloropropene
Concen: 19.963 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion: 75 Resp: 135434
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 55.3 43.8 65.8





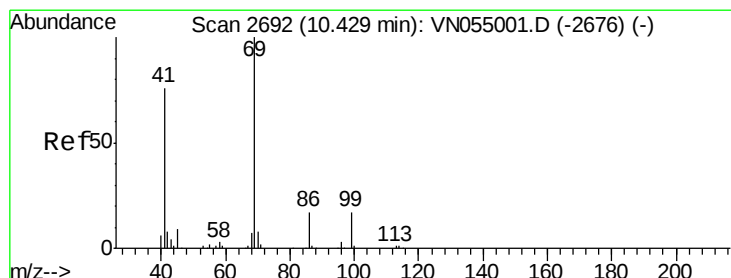
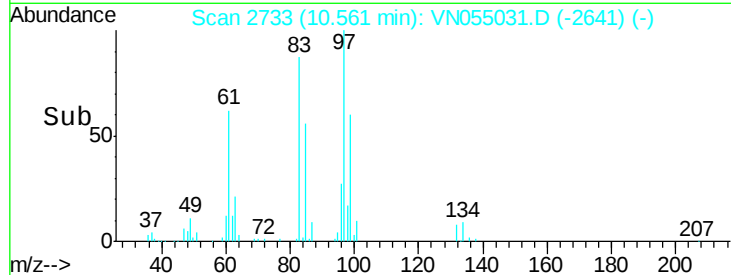
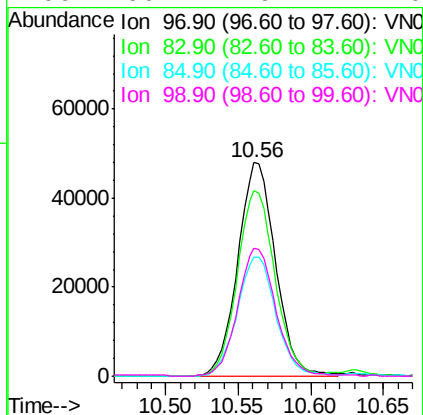
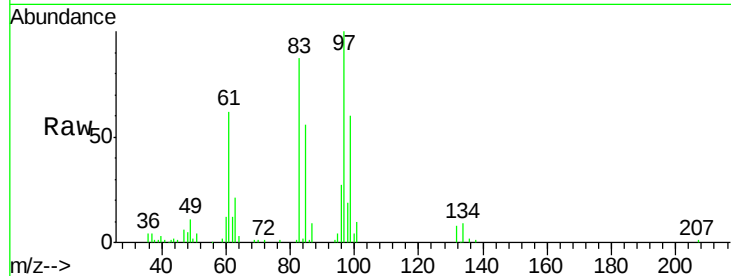
#55
 1,1,2-Trichloroethane
 Concen: 21.331 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion:	97	Resp:	86923
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.5	105.7
85	55.6	45.5	68.3
99	60.2	49.4	74.0

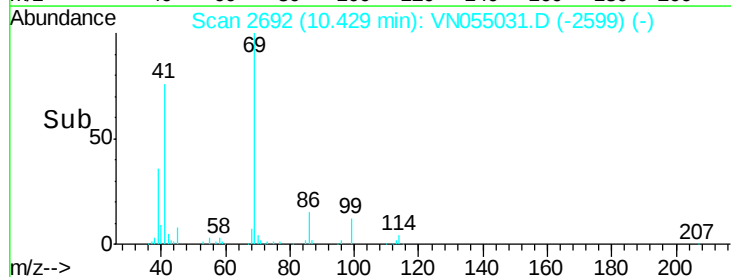
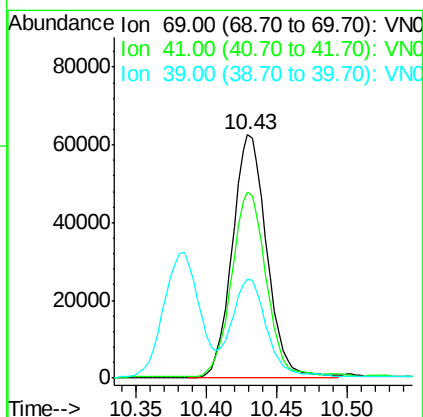
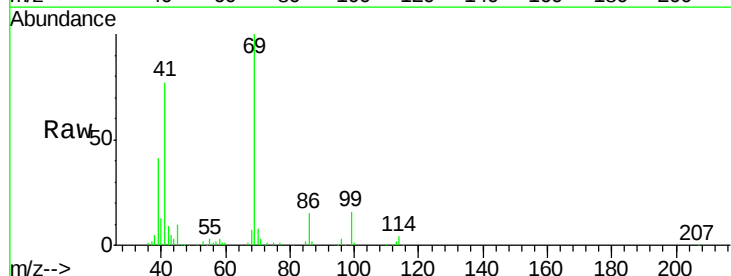
Manual Integrations
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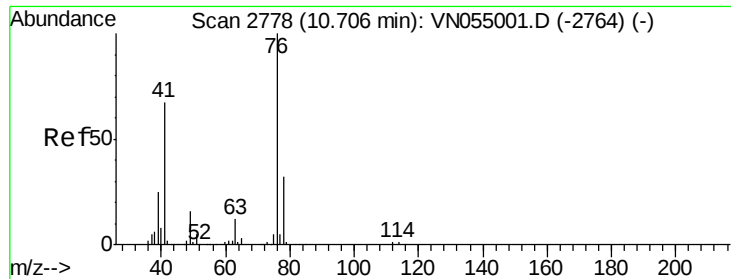
MMDadoda
 4/17/2019 10:04:16 AM



#56
 Ethyl methacrylate
 Concen: 20.474 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Tgt Ion:	69	Resp:	107358
Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.4	92.0
39	40.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.790 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 76 Resp: 146146

Ion Ratio Lower Upper

76 100

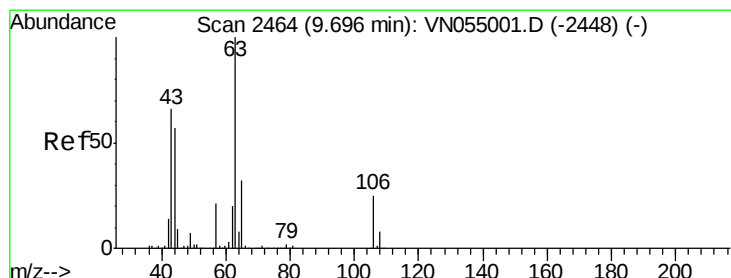
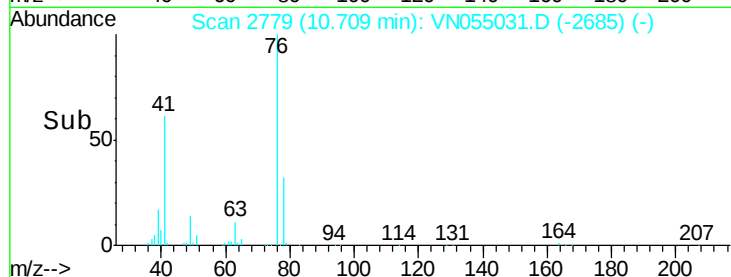
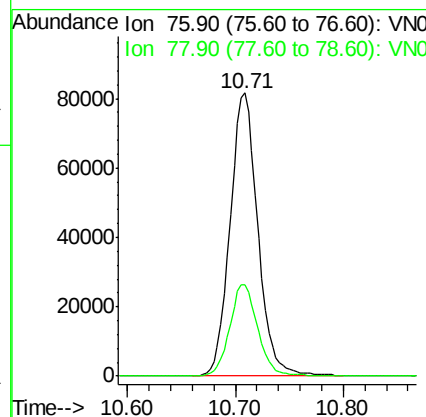
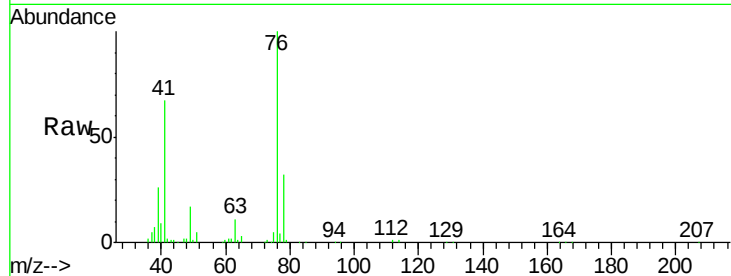
78 32.7 25.6 38.4

Manual Integrations

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MMDadoda

4/17/2019 10:04:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.690 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055031.D

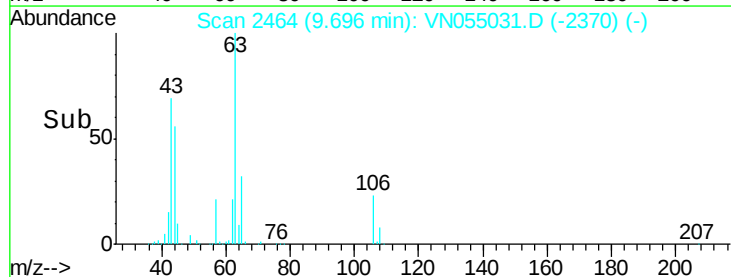
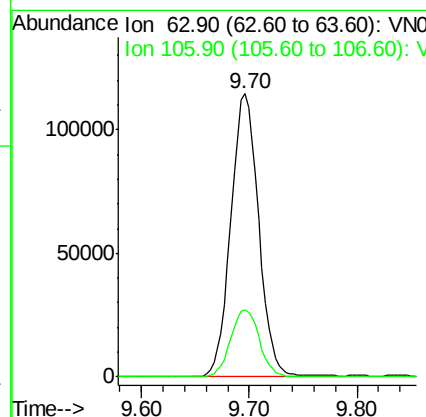
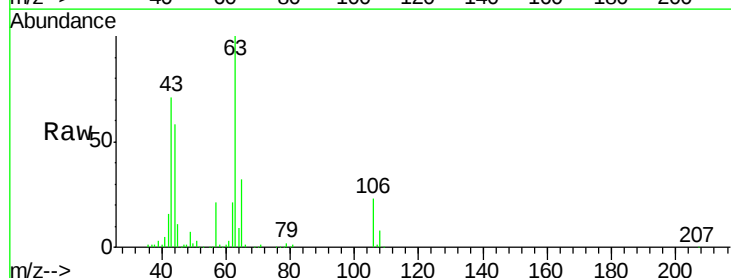
Acq: 13 Apr 2019 15:55

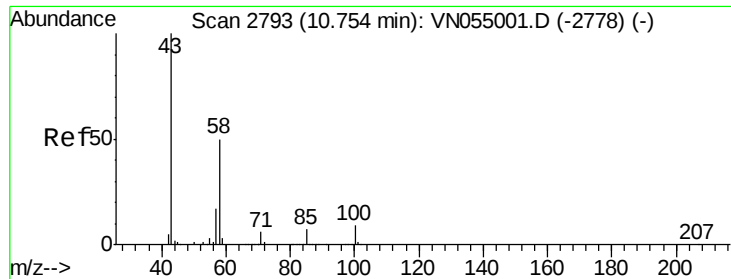
Tgt Ion: 63 Resp: 207067

Ion Ratio Lower Upper

63 100

106 24.4 20.0 30.0





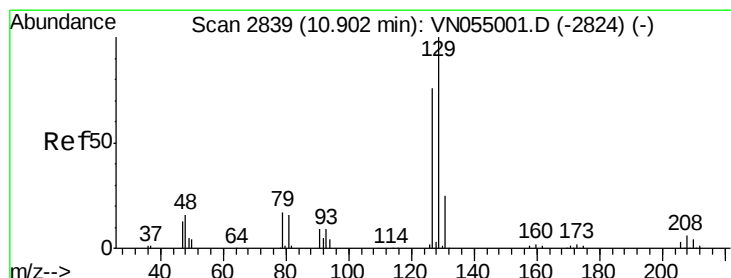
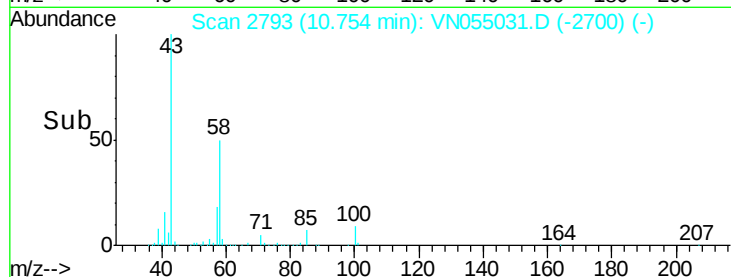
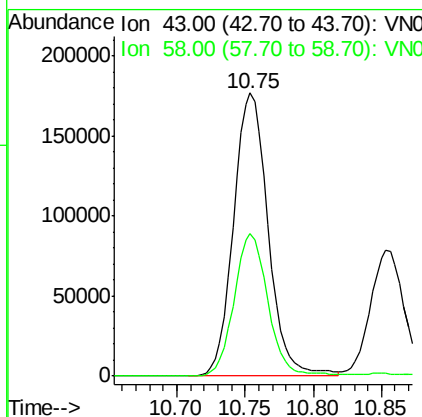
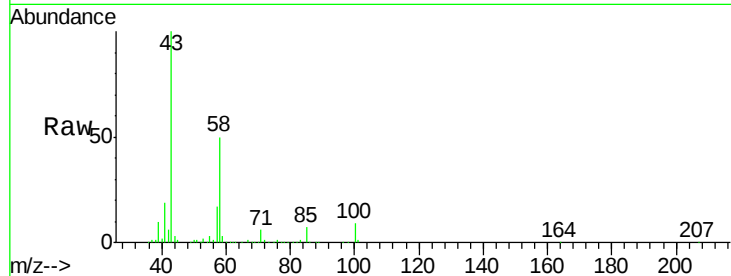
#59
2-Hexanone
Concen: 107.597 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 43 Resp: 309177
Ion Ratio Lower Upper
43 100
58 49.7 25.1 75.2

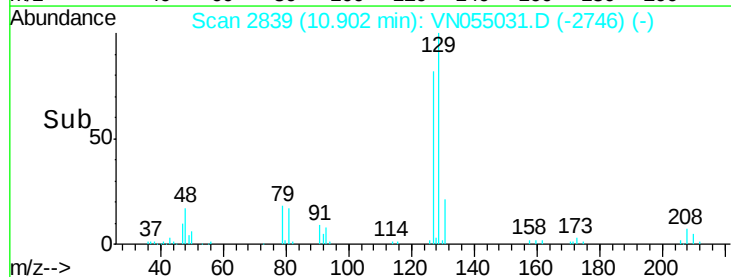
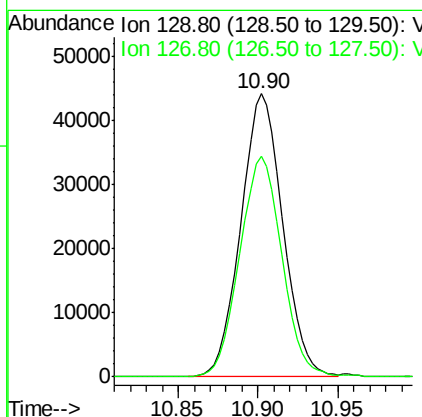
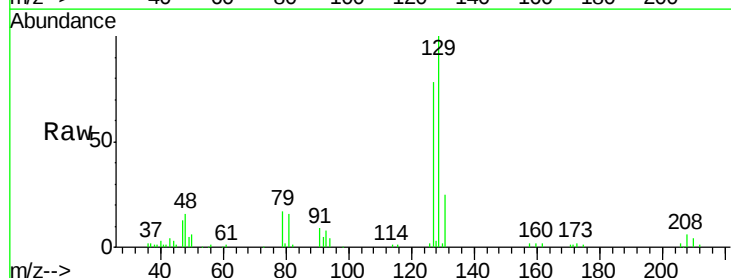
Manual Integrations
APPROVED

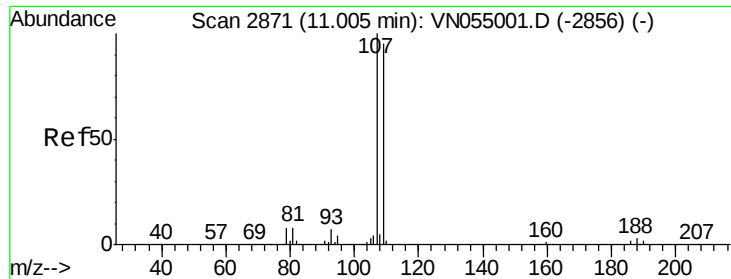
MMDadoda
4/17/2019 10:04:16 AM



#60
Dibromochloromethane
Concen: 19.524 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion: 129 Resp: 79191
Ion Ratio Lower Upper
129 100
127 78.5 38.2 114.6





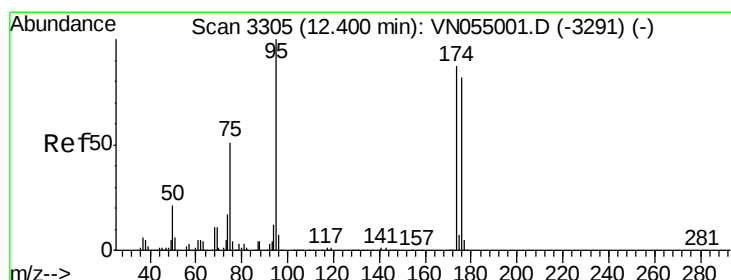
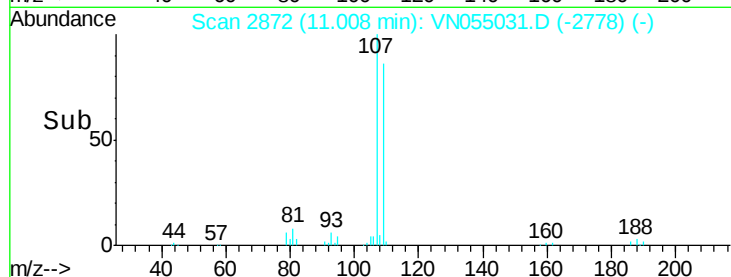
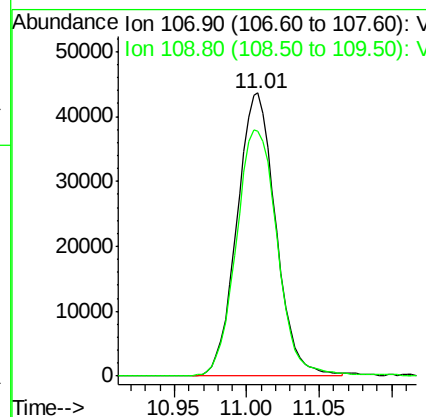
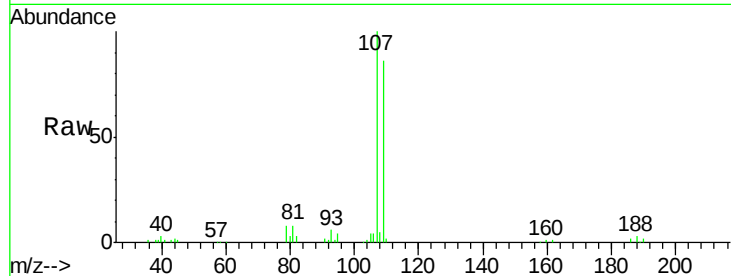
#61
1,2-Dibromoethane
Concen: 20.740 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 107 Resp: 80918
Ion Ratio Lower Upper
107 100
109 92.1 76.5 114.7

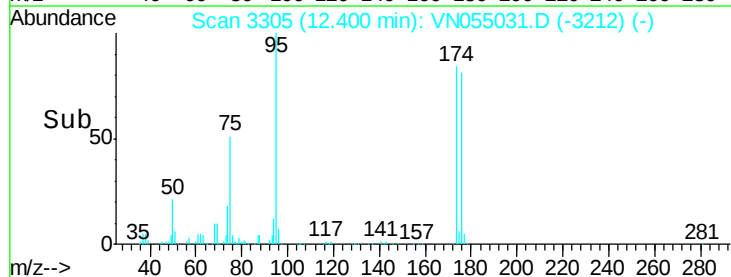
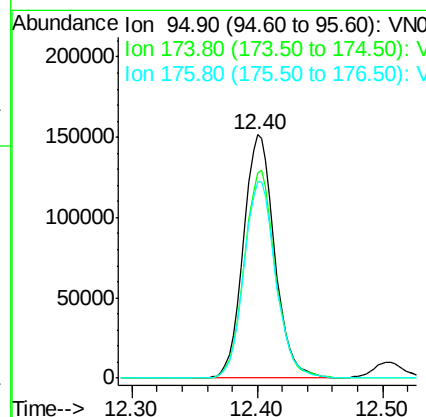
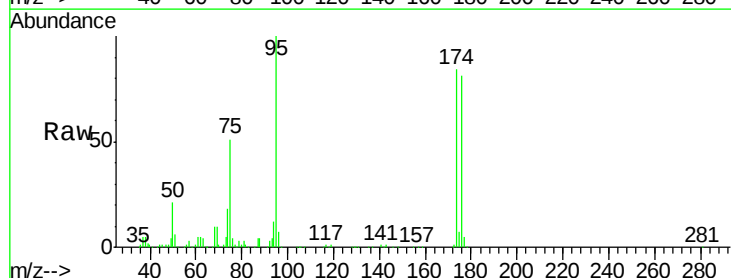
Manual Integrations
APPROVED

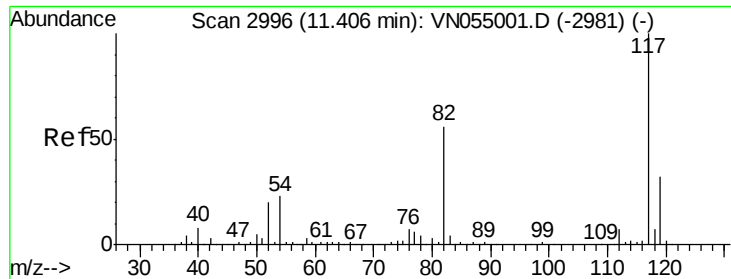
MMDadoda
4/17/2019 10:04:16 AM



#62
4-Bromofluorobenzene
Concen: 50.311 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion: 95 Resp: 262660
Ion Ratio Lower Upper
95 100
174 85.5 0.0 174.4
176 82.4 0.0 166.8





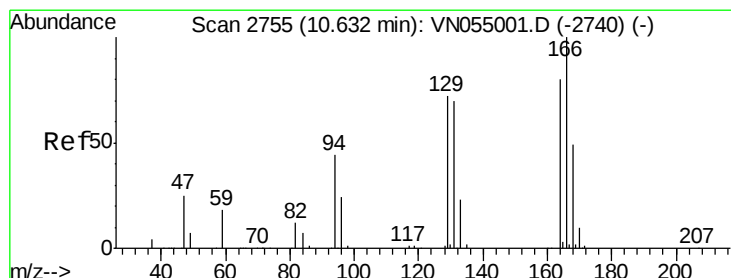
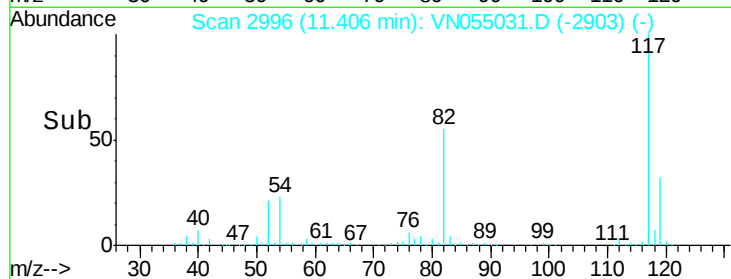
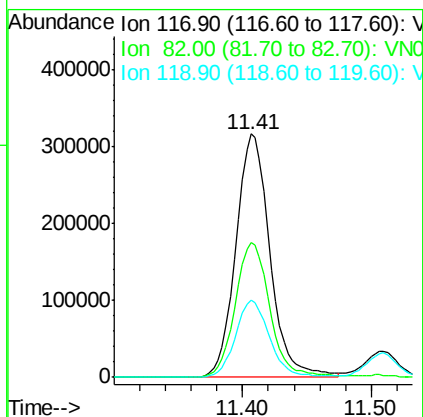
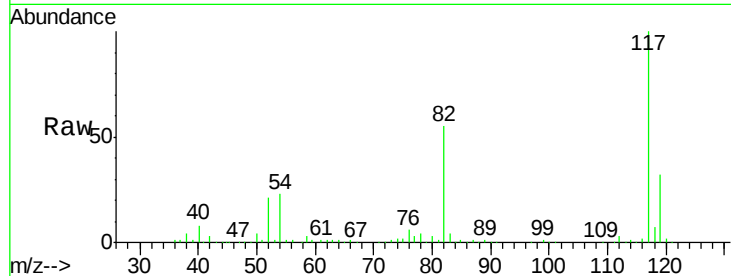
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	66.8
119	31.8	25.5	38.3

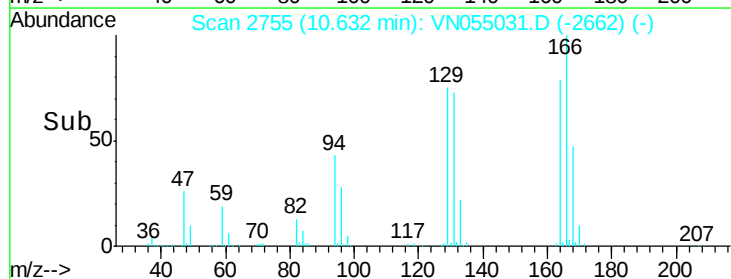
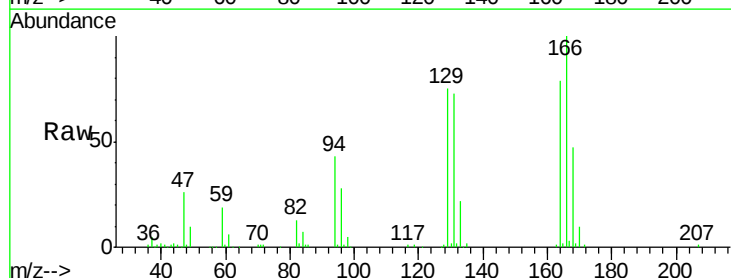
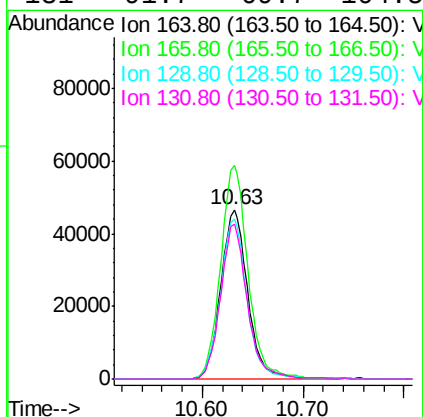
Manual Integrations
APPROVED

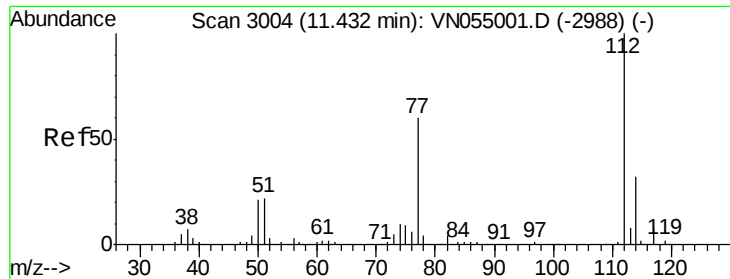
MMDadoda
4/17/2019 10:04:16 AM



#64
Tetrachloroethene
Concen: 19.273 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.0	150.0
129	94.7	72.0	108.0
131	91.7	69.7	104.5





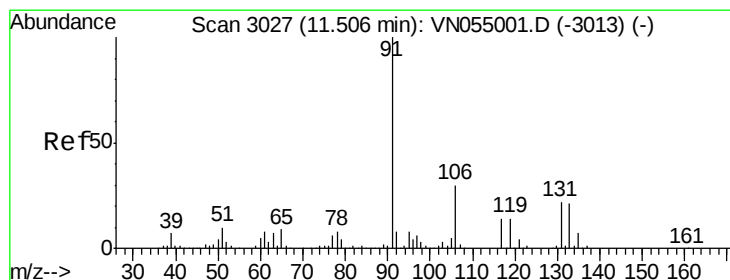
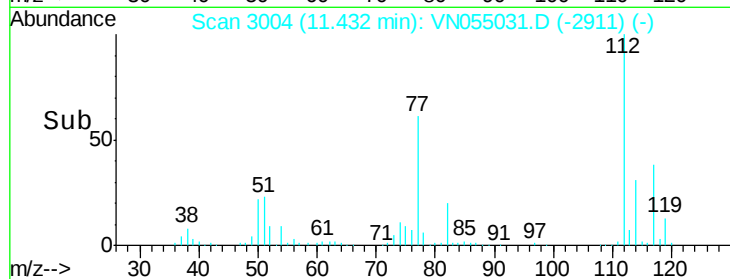
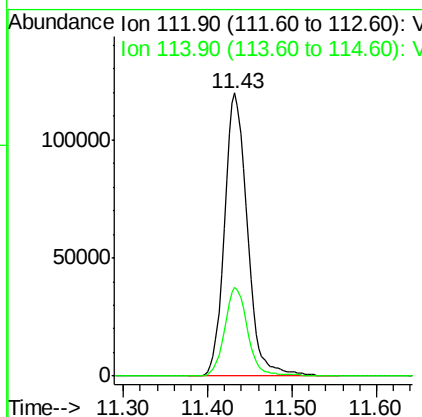
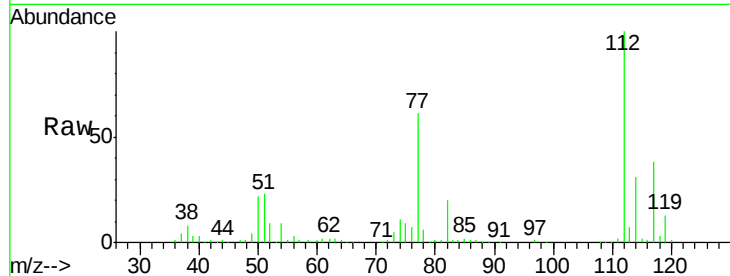
#65
Chlorobenzene
Concen: 20.219 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

Tot Ion:112 Resp: 226231
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

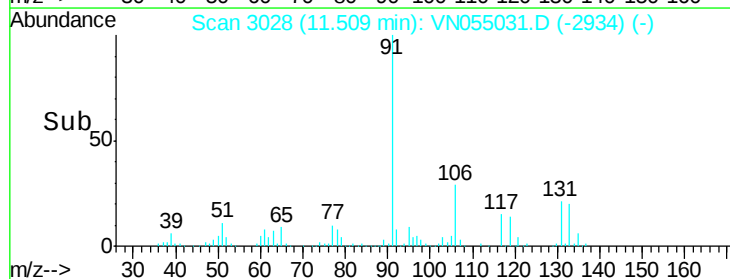
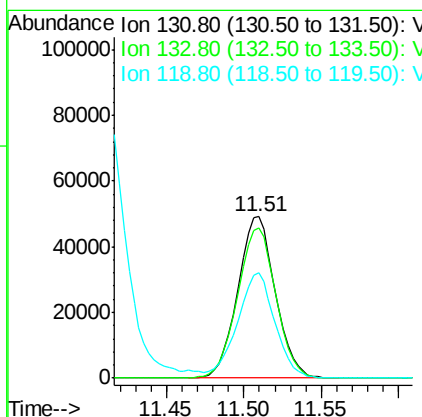
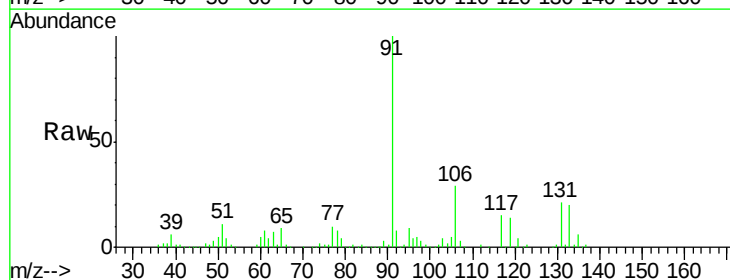
Manual Integrations
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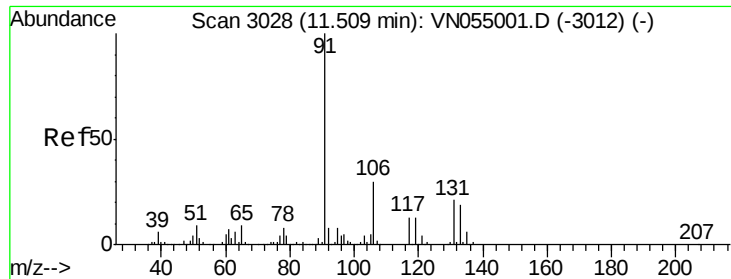
MMDadoda
4/17/2019 10:04:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.113 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion:131 Resp: 82935
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 65.4 33.6 100.6





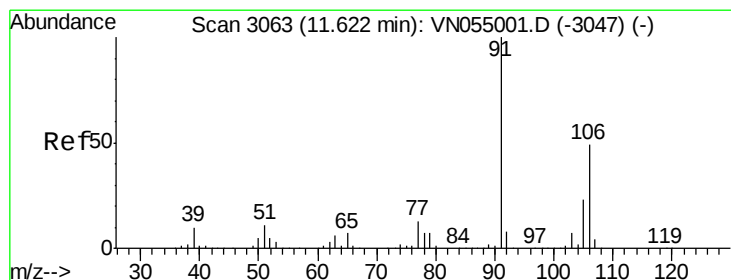
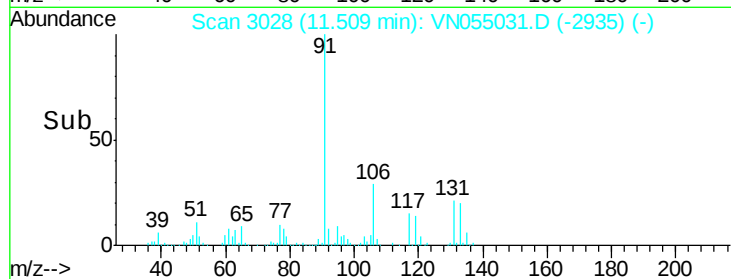
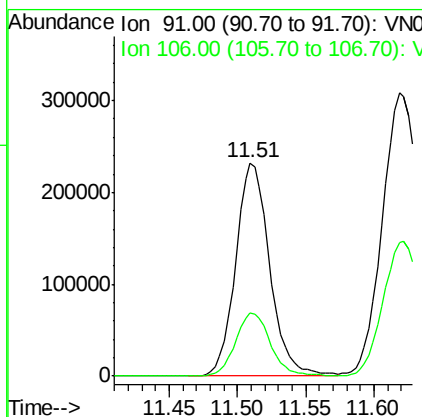
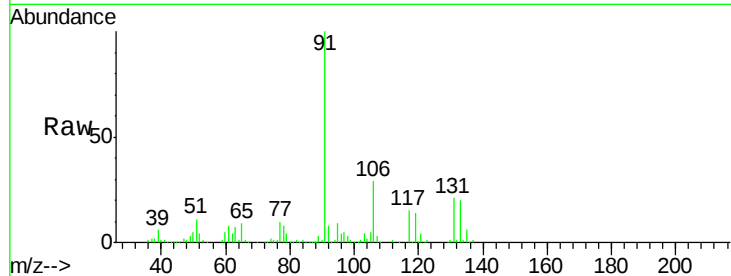
#67
Ethyl Benzene
Concen: 19.612 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

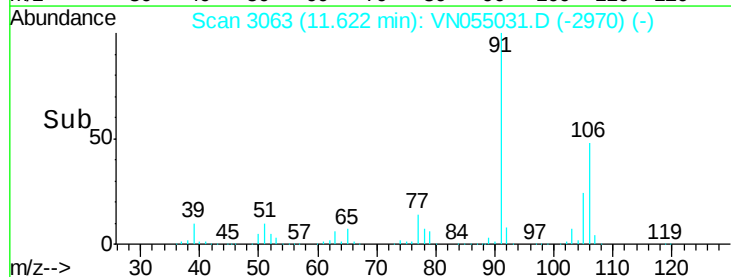
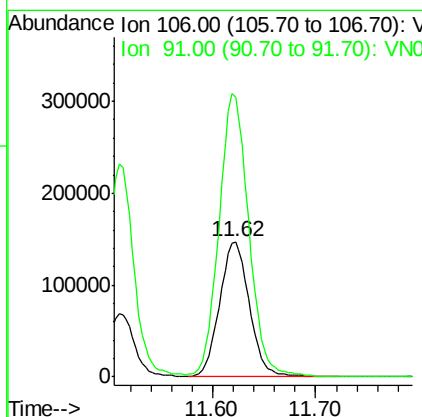
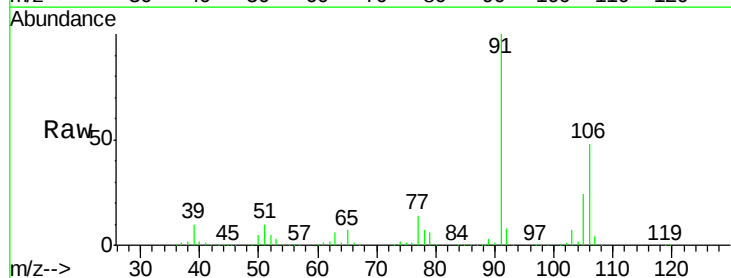
Manual Integrations
APPROVED

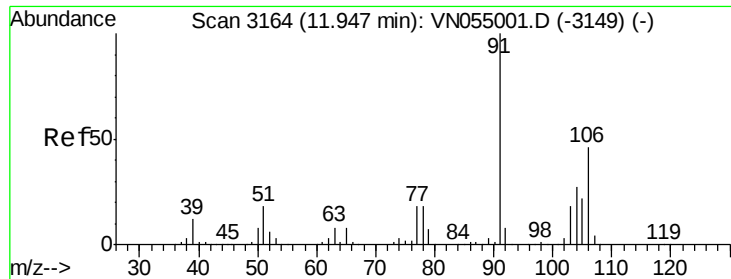
MMDadoda
4/17/2019 10:04:16 AM



#68
m/p-Xylenes
Concen: 39.470 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.8	165.9	248.9





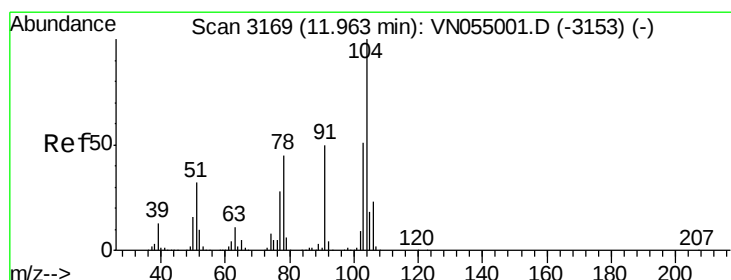
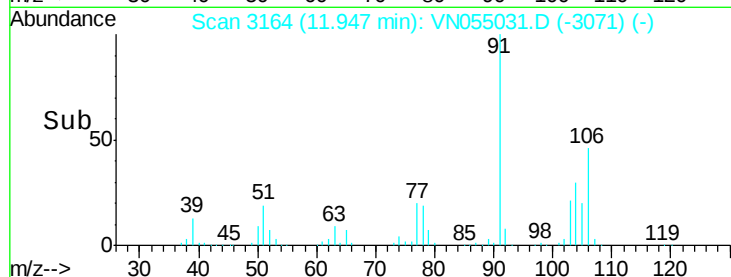
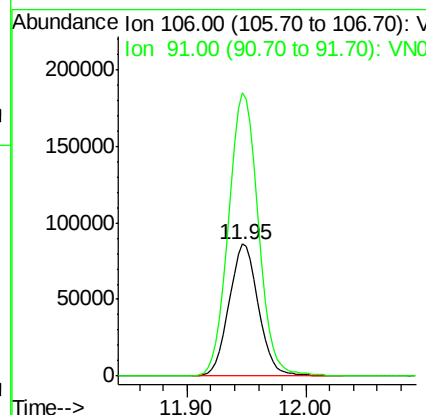
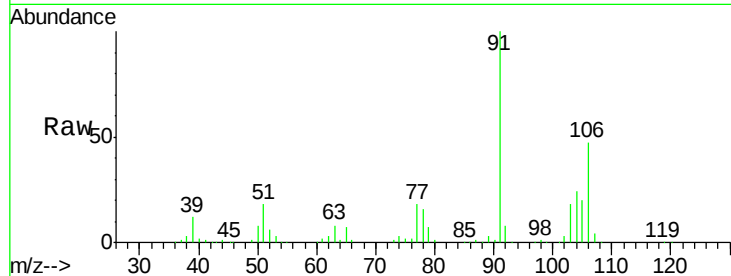
#69
o-Xylene
Concen: 19.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleID :
VN0414WBSD01

Tot Ion:106 Resp: 147718
Ion Ratio Lower Upper
106 100
91 217.9 109.9 329.8

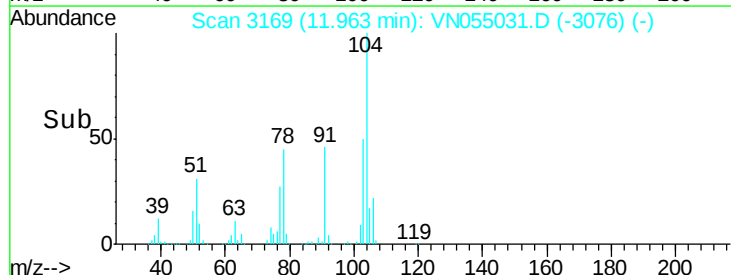
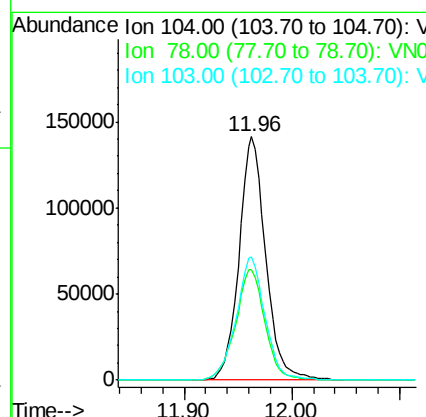
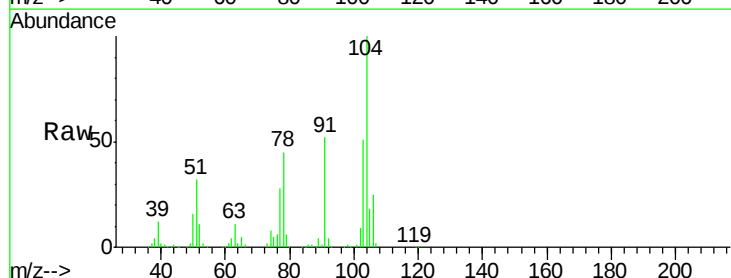
Manual Integrations
APPROVED

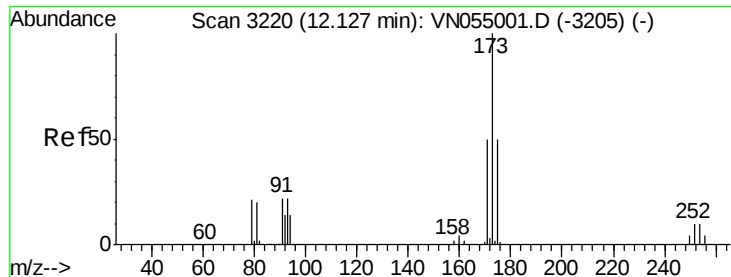
MMDadoda
4/17/2019 10:04:16 AM



#70
Styrene
Concen: 20.615 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion:104 Resp: 243191
Ion Ratio Lower Upper
104 100
78 50.2 40.3 60.5
103 54.9 44.3 66.5





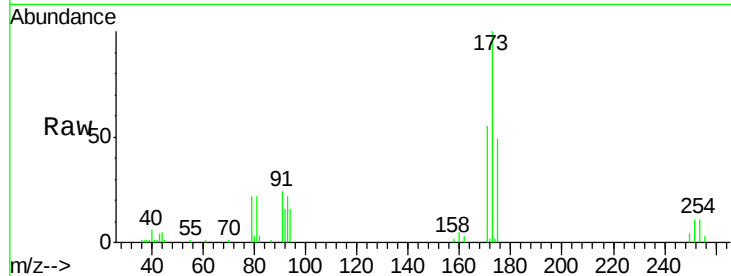
#71
Bromoform
Concen: 18.857 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

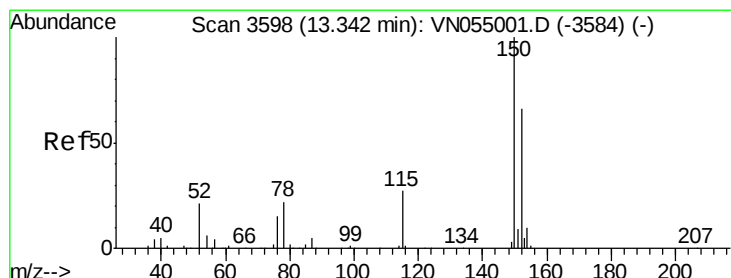
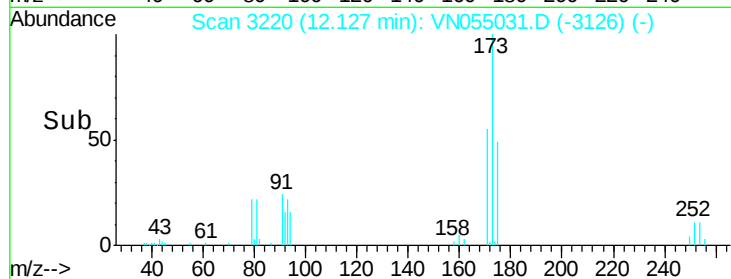
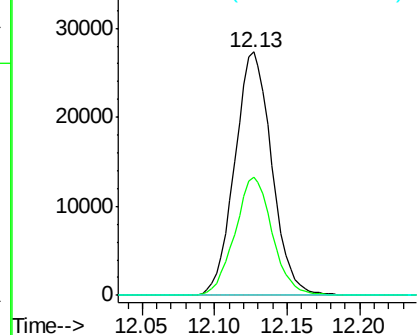
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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4/17/2019 10:04:16 AM

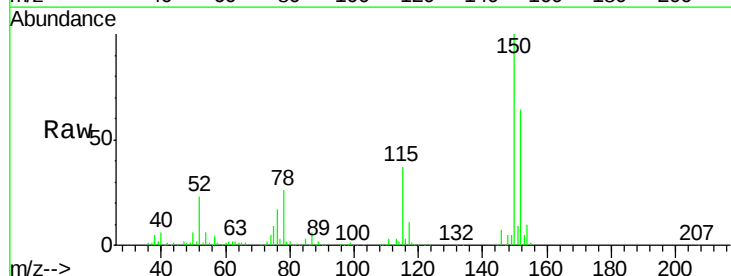


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

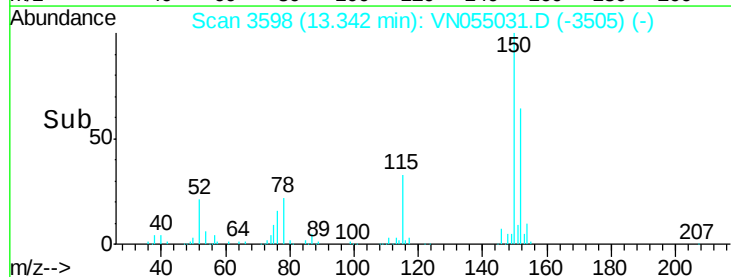
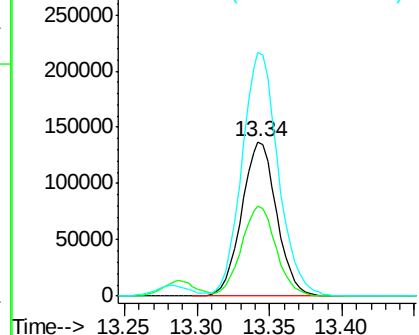


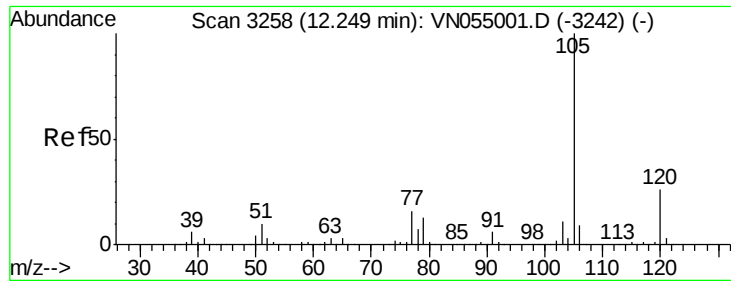
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.5	85.6
150	164.3	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.646 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 105 Resp: 382965

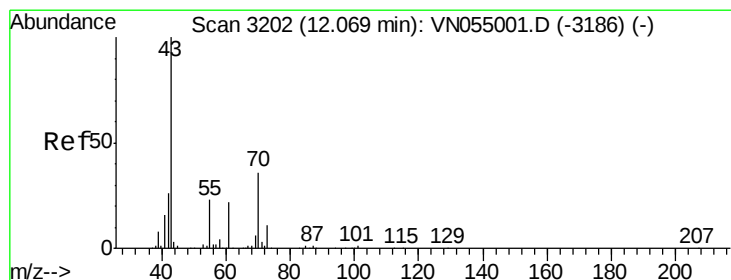
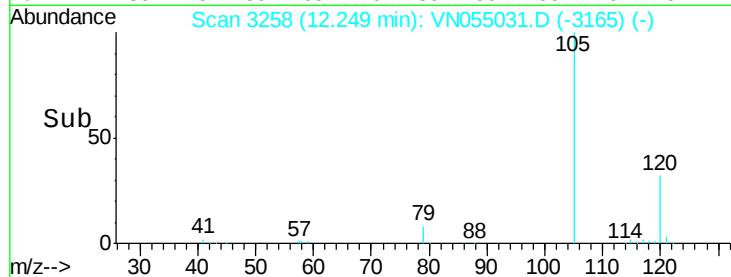
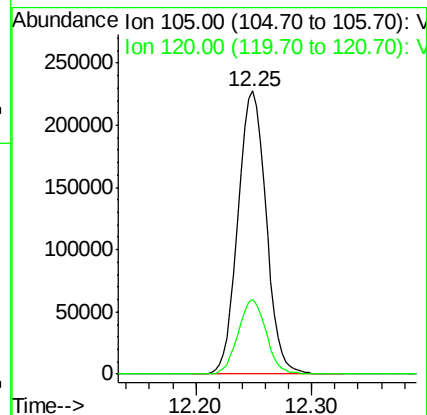
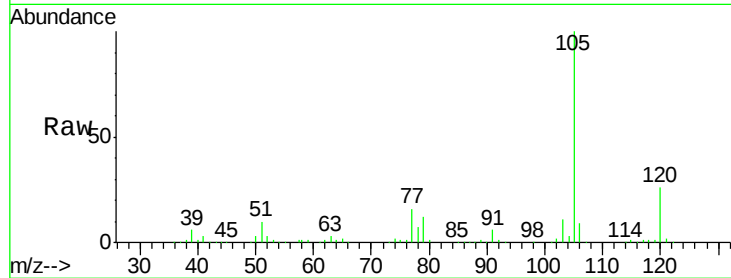
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9

Manual Integrations
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4/17/2019 10:04:16 AM



#74

N-ethyl acetate

Concen: 21.220 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion: 43 Resp: 124676

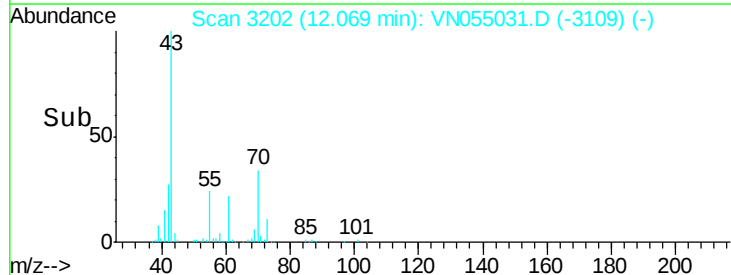
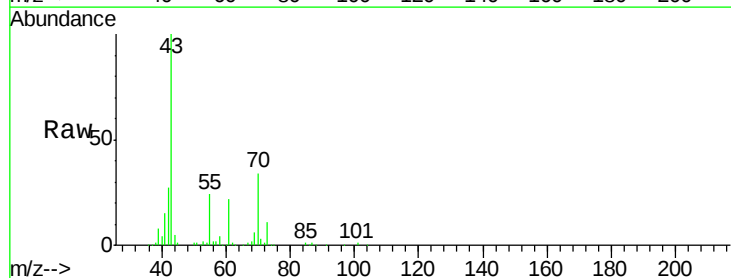
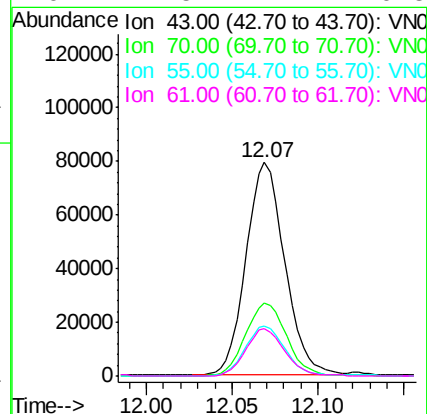
Ion Ratio Lower Upper

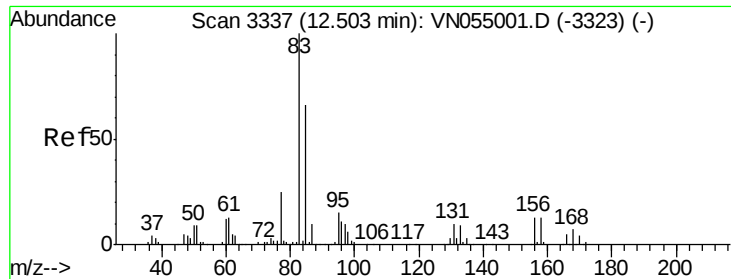
43 100

70 35.8 29.4 44.0

55 24.2 19.0 28.4

61 22.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.309 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

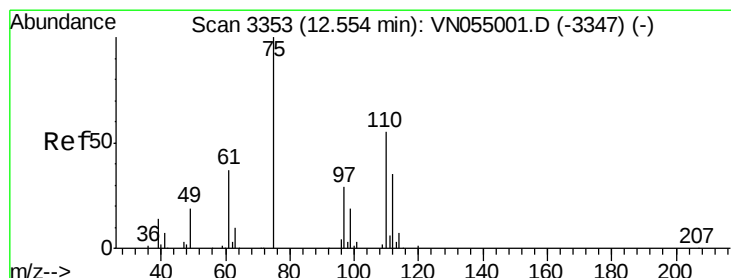
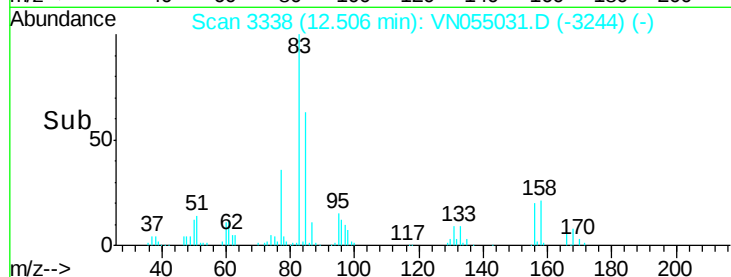
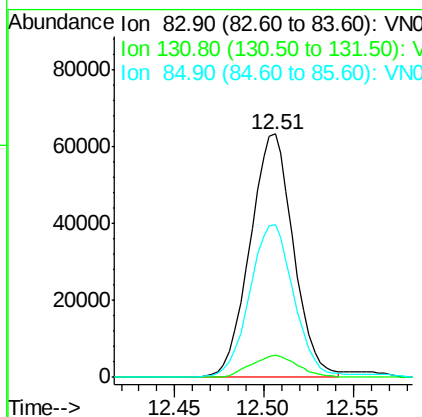
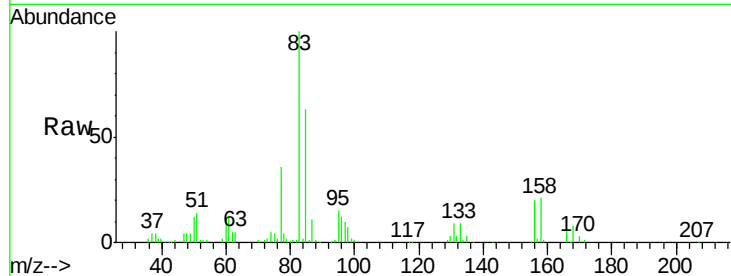
ClientSampleId :

VN0414WBSD01

Tot Ion:	83	Resp:	107539
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 22.404 ug/l m

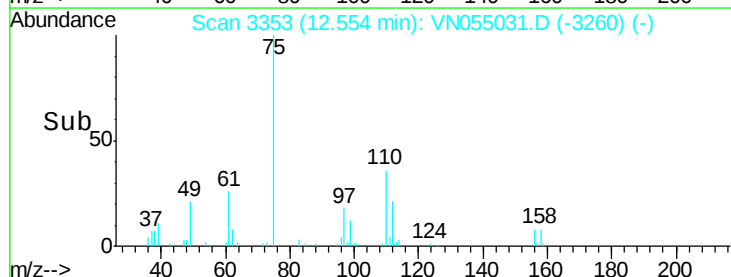
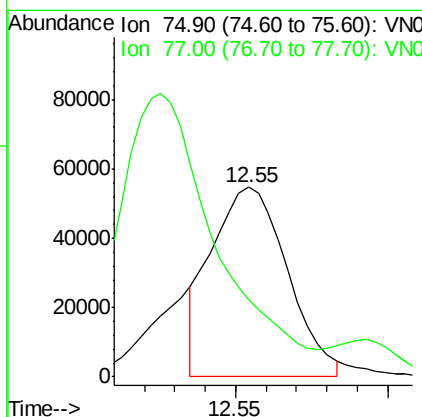
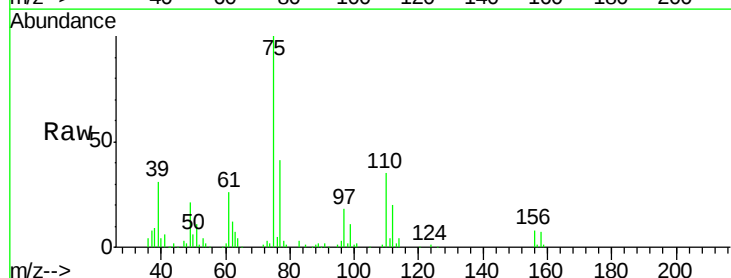
RT: 12.55 min Scan# 3353

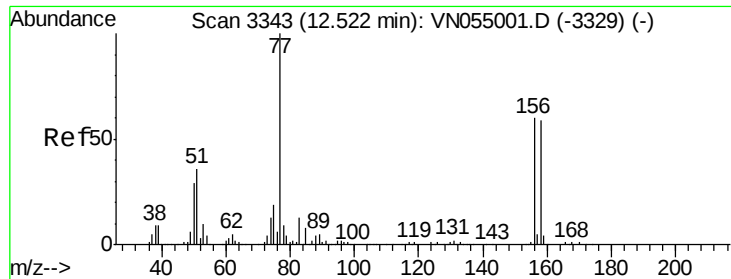
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	75	Resp:	94498
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.063 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

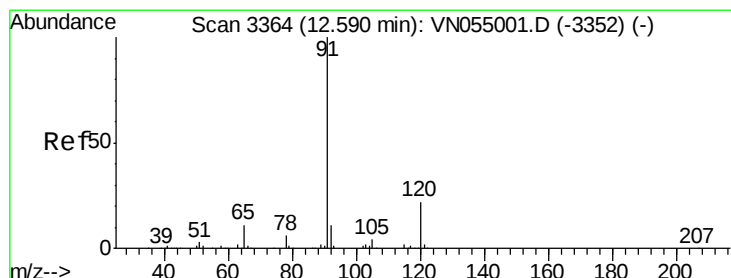
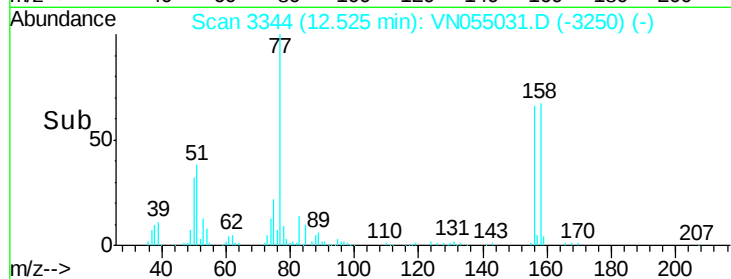
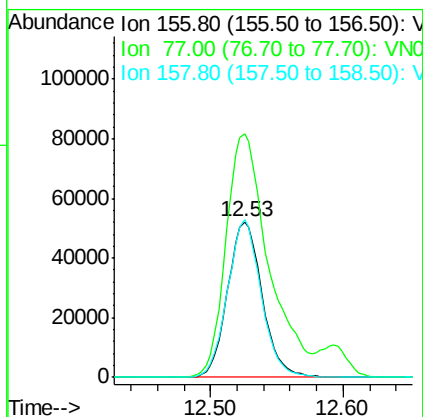
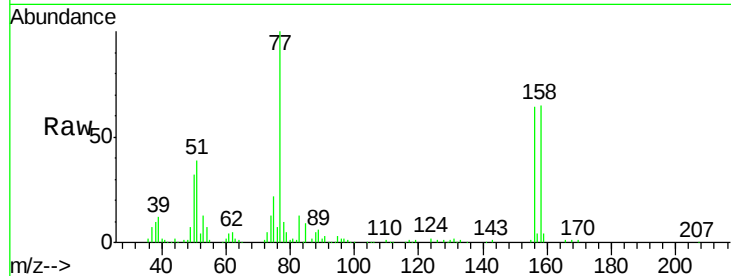
ClientSampleId :

VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.2	97.2	291.5
158	98.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.240 ug/l

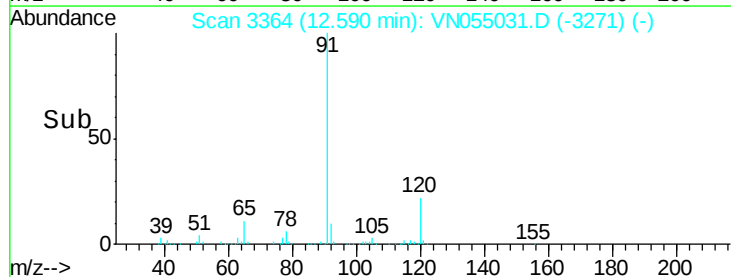
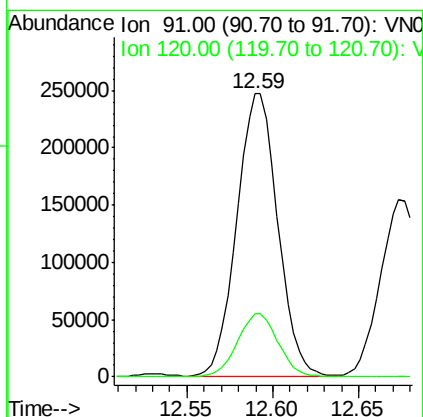
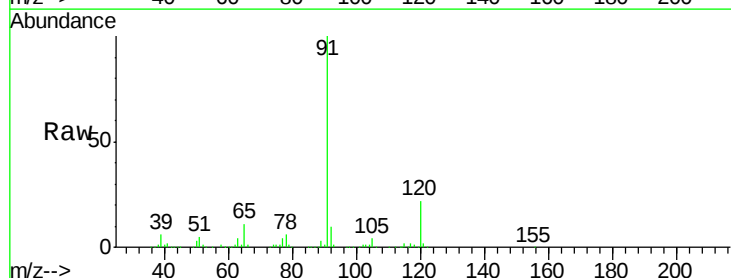
RT: 12.59 min Scan# 3364

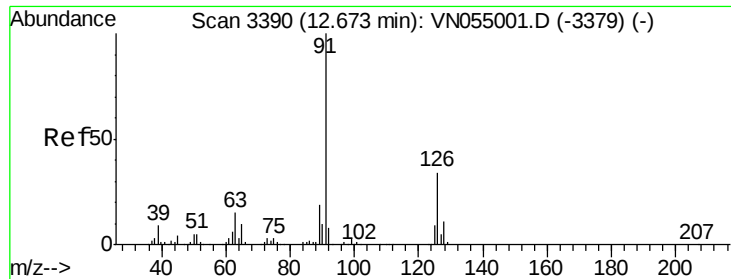
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.735 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 91 Resp: 258912

Ion Ratio Lower Upper

91 100

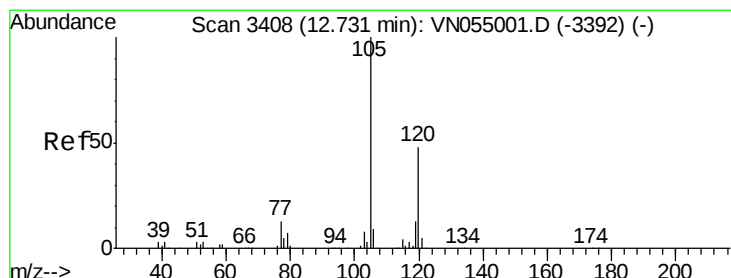
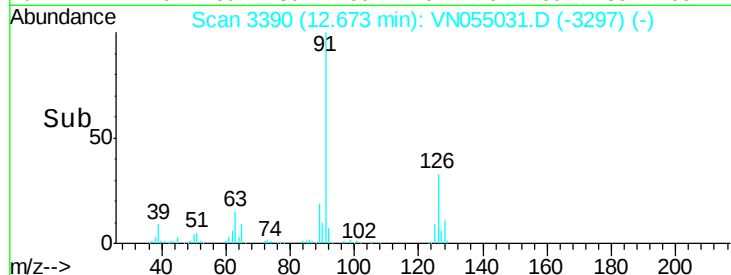
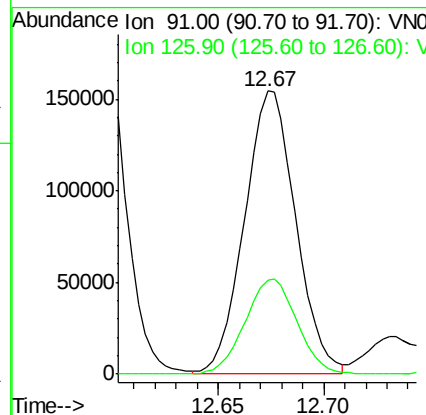
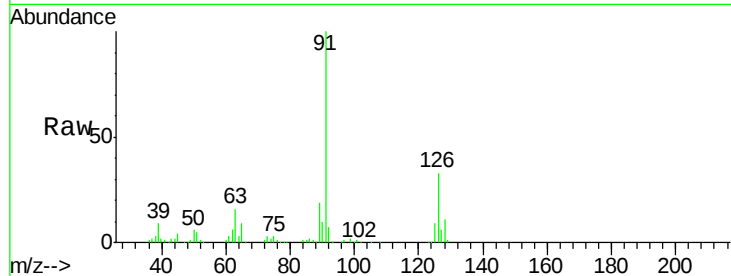
126 34.4 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.555 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055031.D

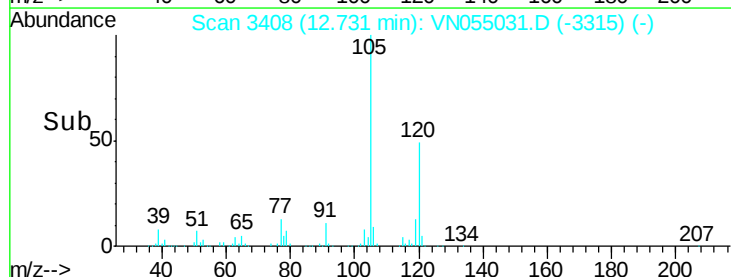
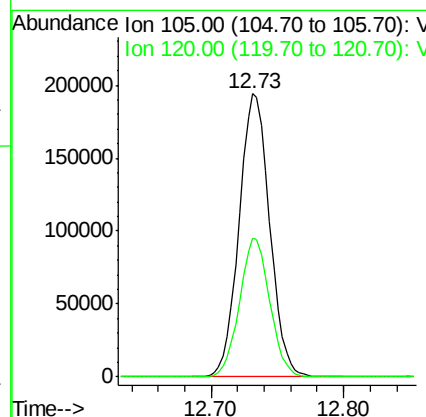
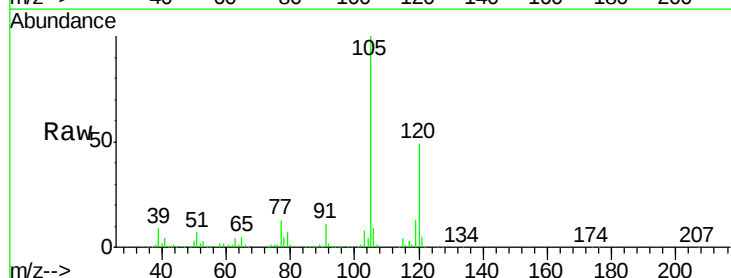
Acq: 13 Apr 2019 15:55

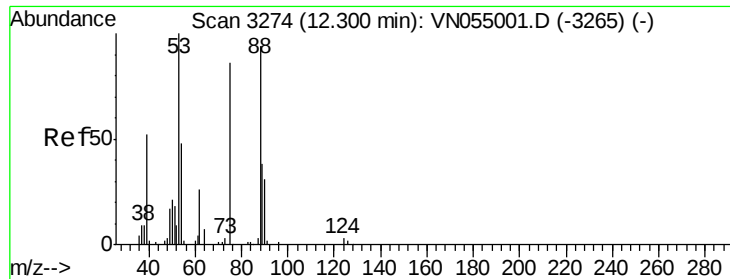
Tgt Ion: 105 Resp: 310315

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





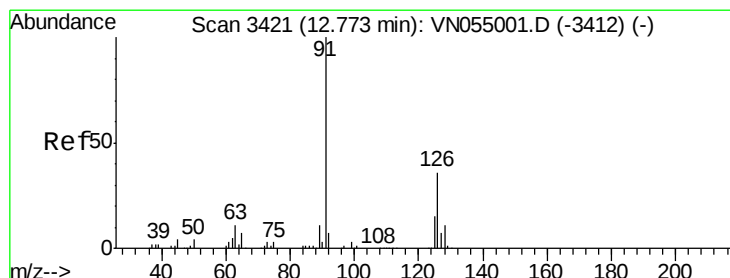
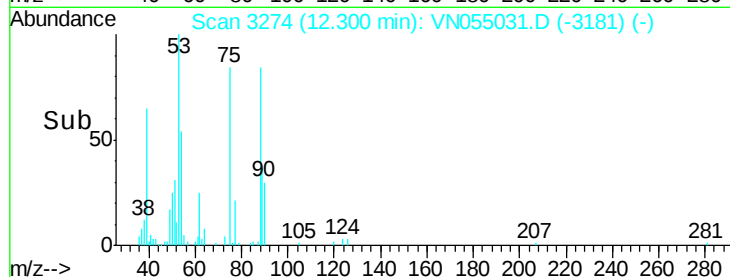
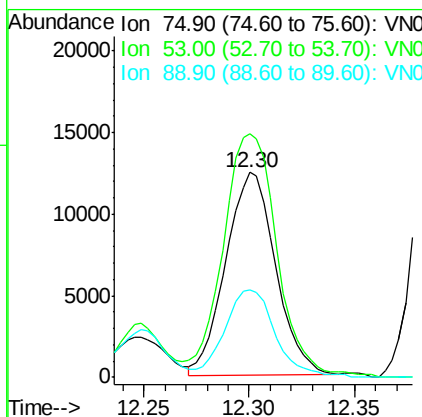
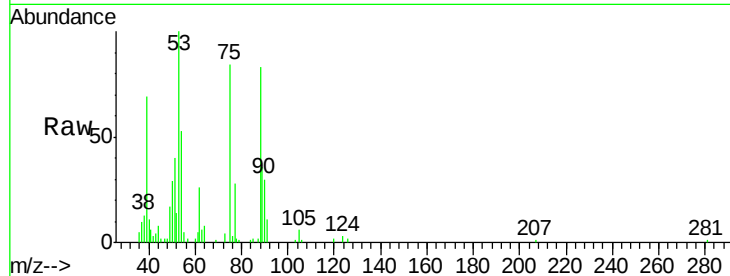
#81
trans-1,4-Dichloro-2-butene
Concen: 19.964 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.7	96.3	144.5
89	44.0	38.6	57.8

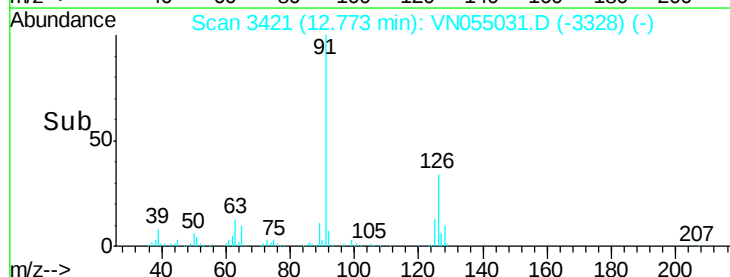
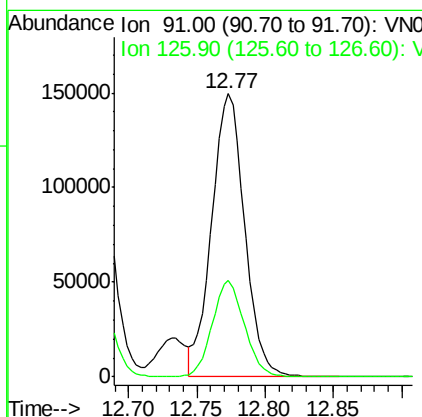
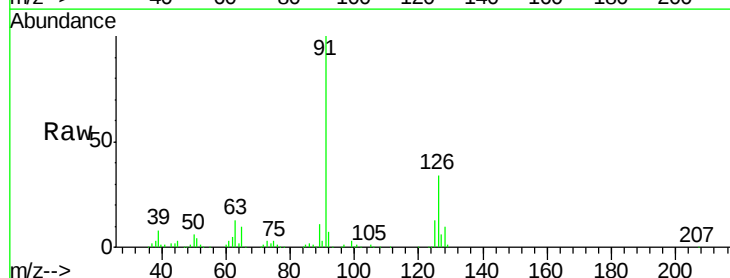
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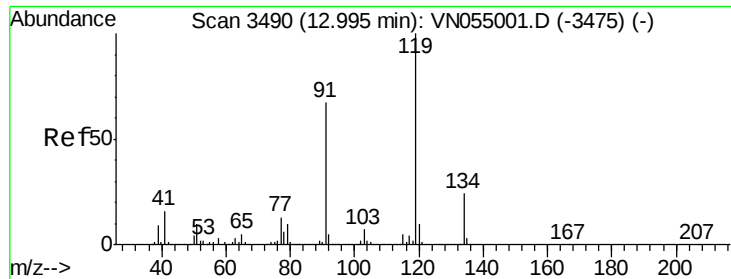
MMDadoda
4/17/2019 10:04:16 AM



#82
4-Chlorotoluene
Concen: 19.755 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2





#83

tert-Butylbenzene

Concen: 19.460 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

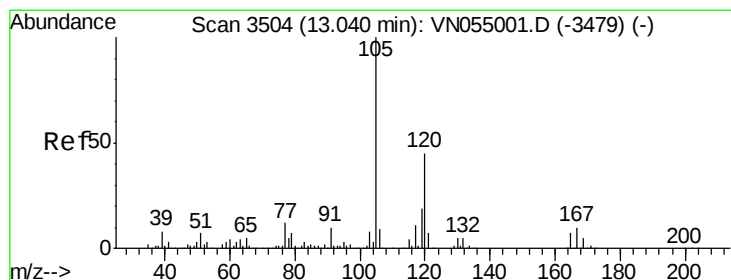
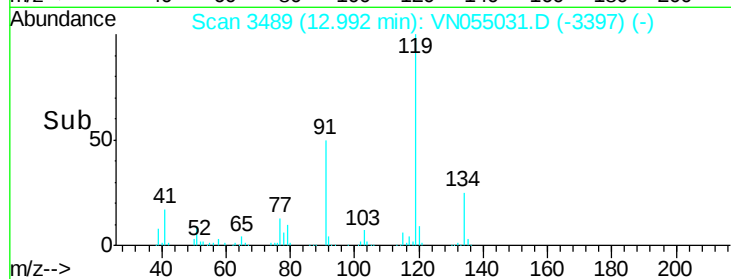
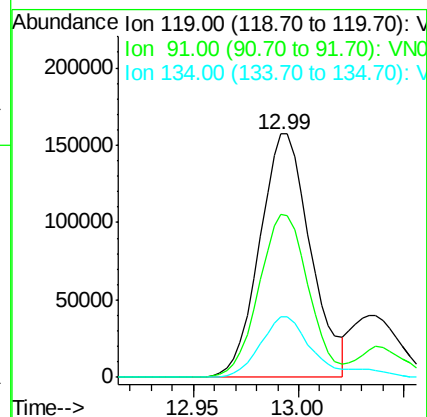
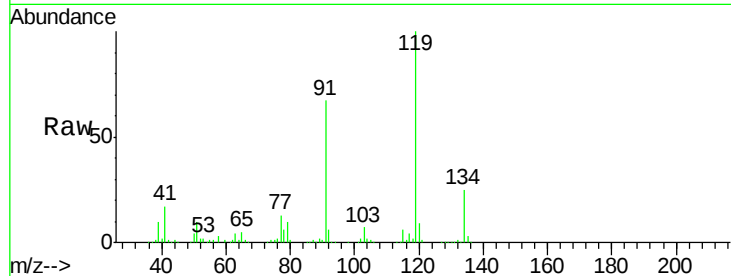
ClientSampleId :

VN0414WBSD01

Tot Ion:	119	Resp:	264547
Ion Ratio	Lower	Upper	
119	100		
91	65.1	33.3	99.8
134	26.8	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.891 ug/l

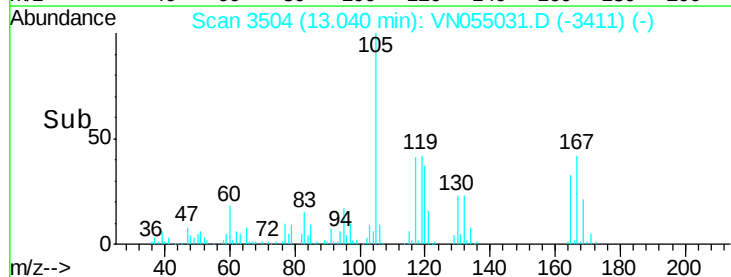
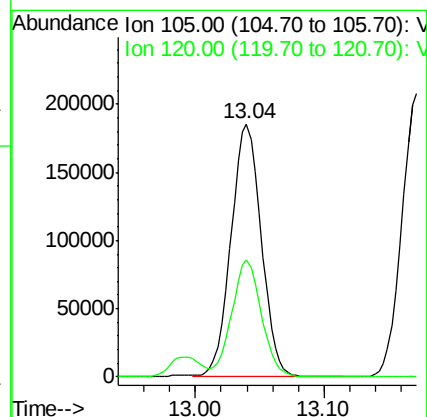
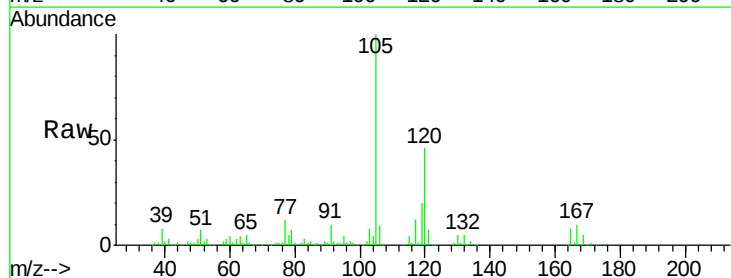
RT: 13.04 min Scan# 3504

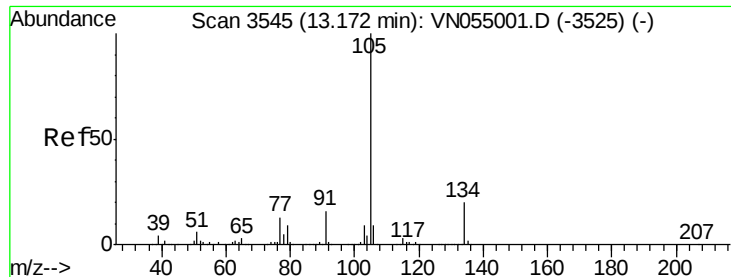
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	105	Resp:	302663
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 18.830 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion:105 Resp: 326824

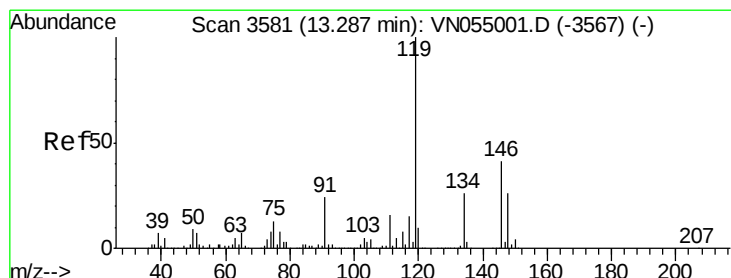
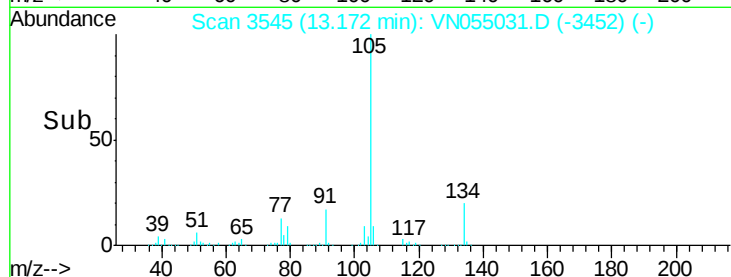
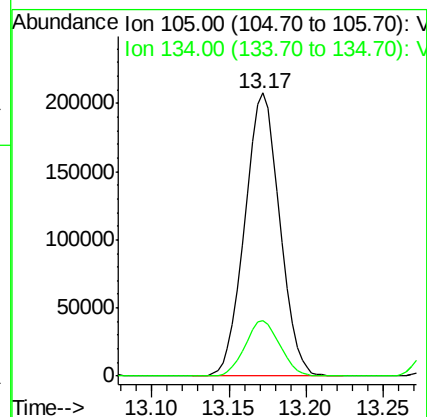
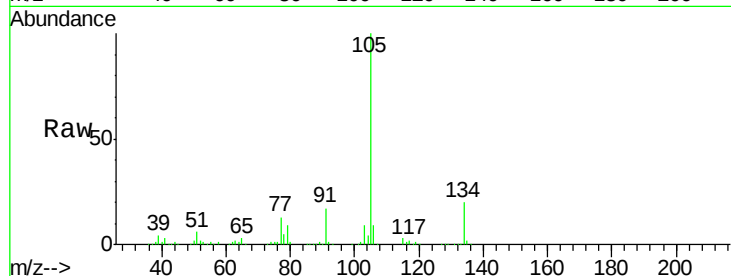
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 18.805 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

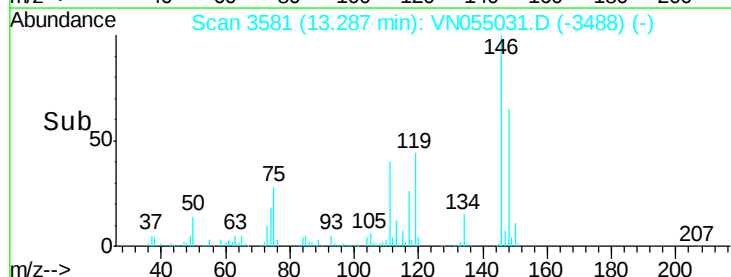
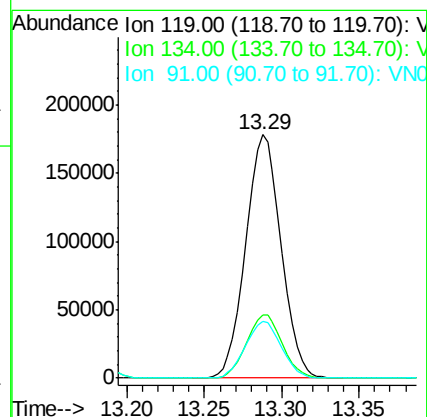
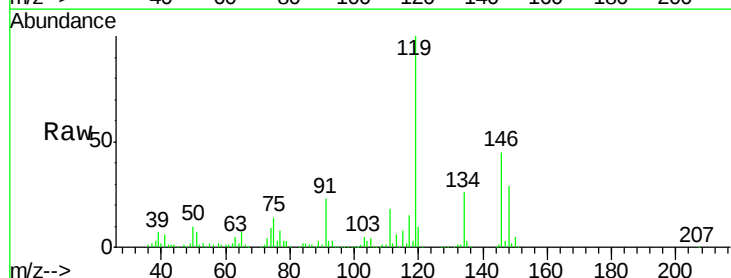
Tgt Ion:119 Resp: 283912

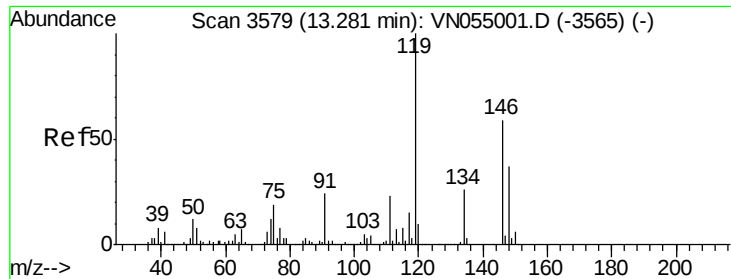
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.7 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.232 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

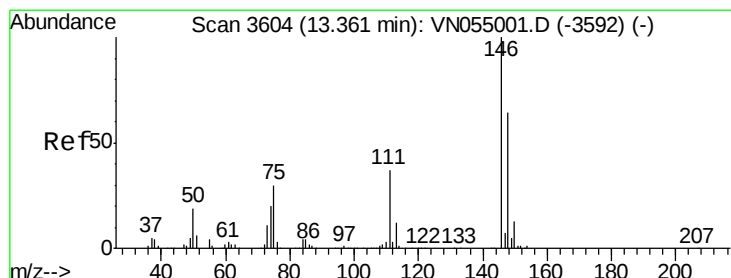
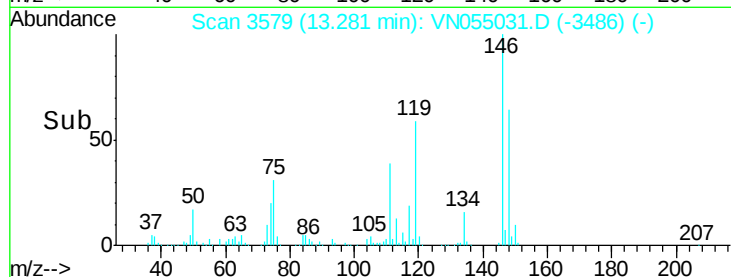
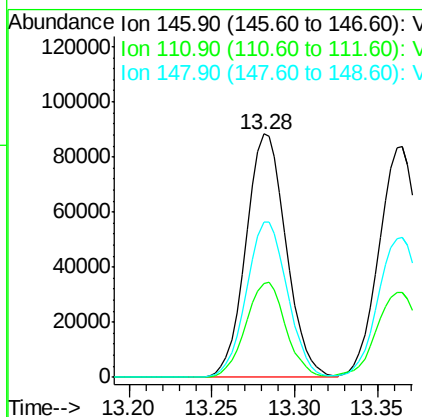
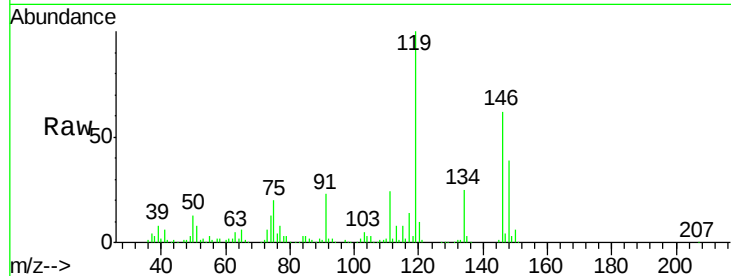
ClientSampleId :

VN0414WBSD01

Tot Ion:	146	Resp:	149759
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.5	58.5
148	65.0	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.380 ug/l

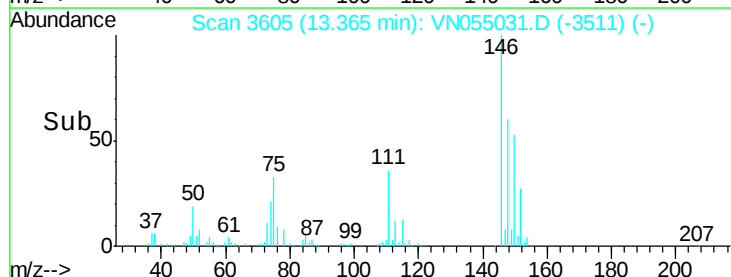
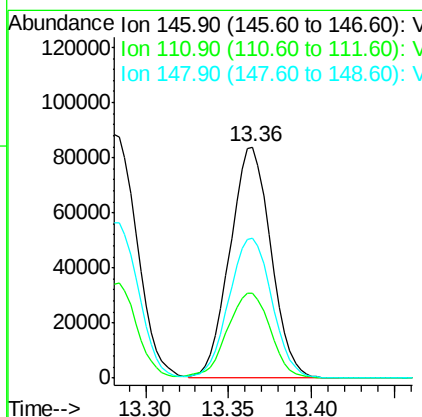
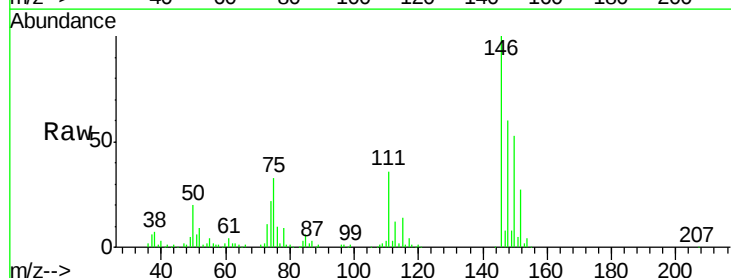
RT: 13.36 min Scan# 3605

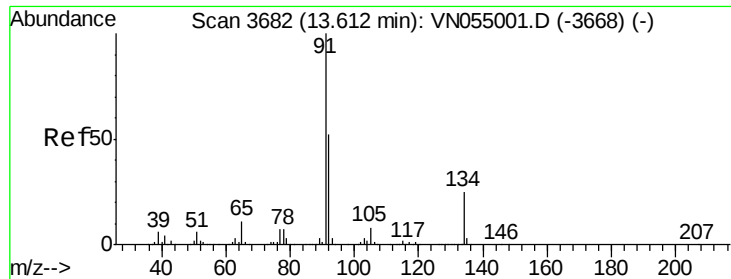
Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	146	Resp:	144338
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.4
148	63.6	32.4	97.2





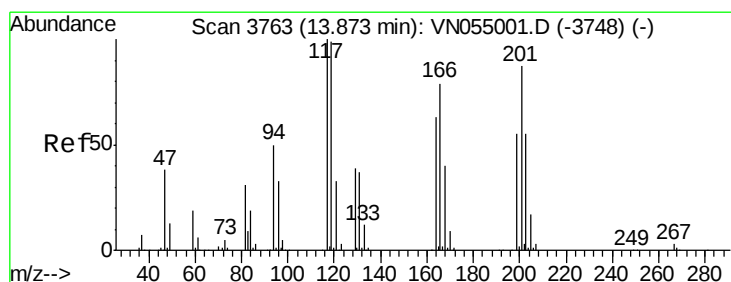
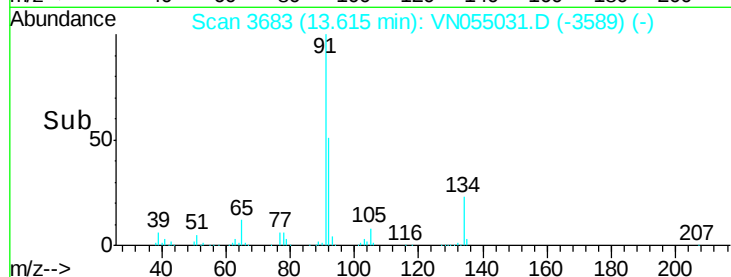
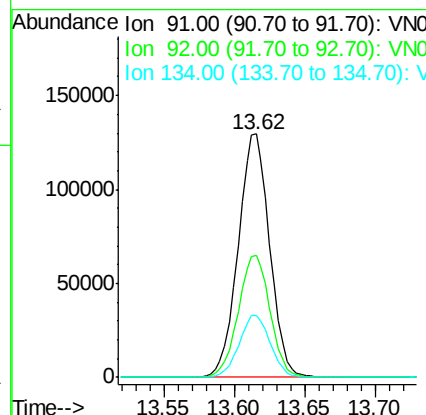
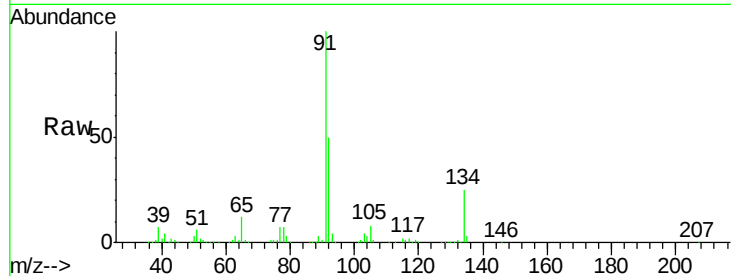
#89
n-Butylbenzene
Concen: 17.026 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.9	77.7
134	25.2	12.8	38.3

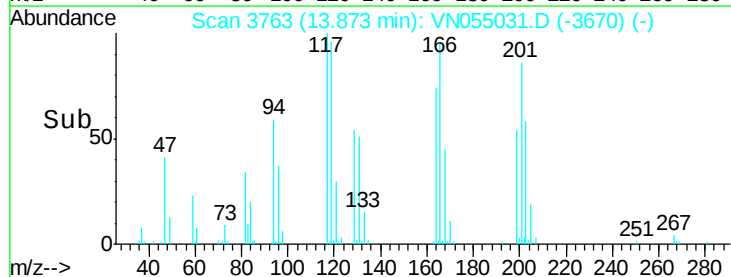
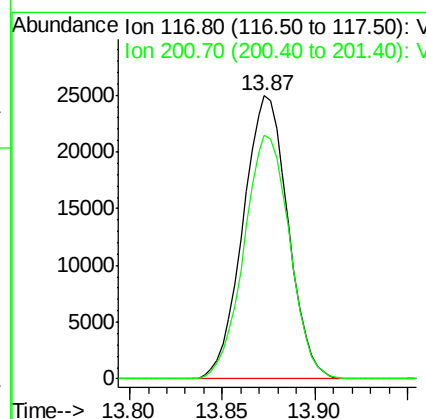
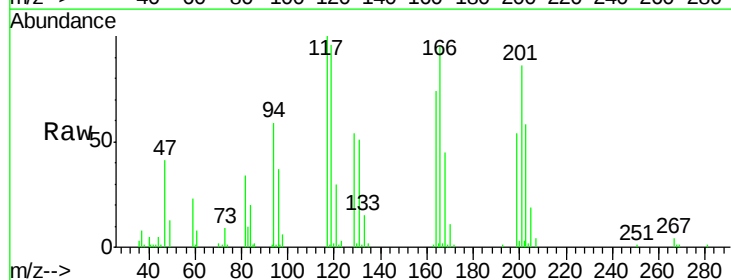
Manual Integrations
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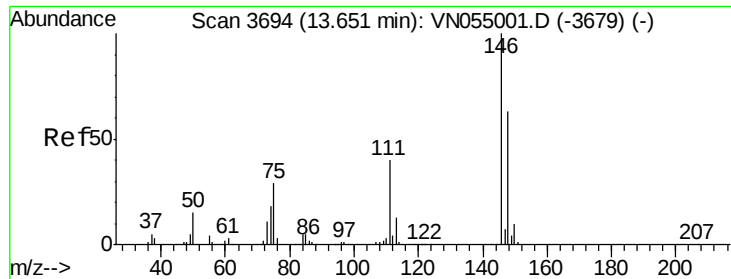
MMDadoda
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#90
Hexachloroethane
Concen: 16.895 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055031.D
Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.4	130.2





#91

1,2-Dichlorobenzene

Concen: 20.506 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

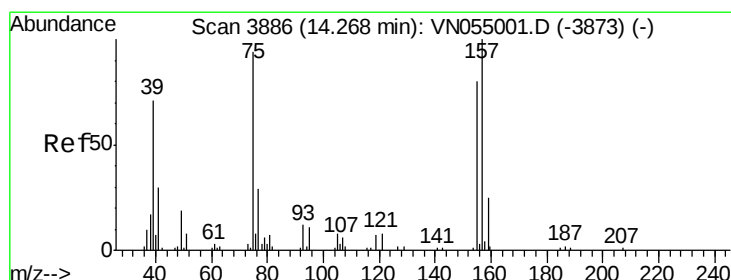
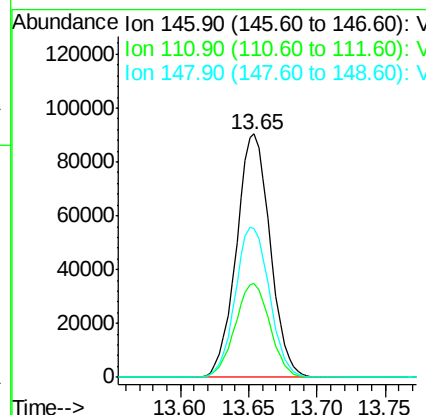
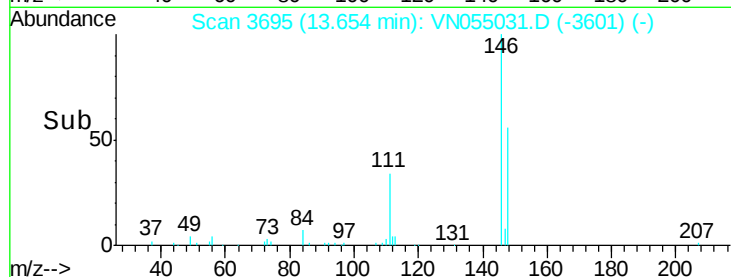
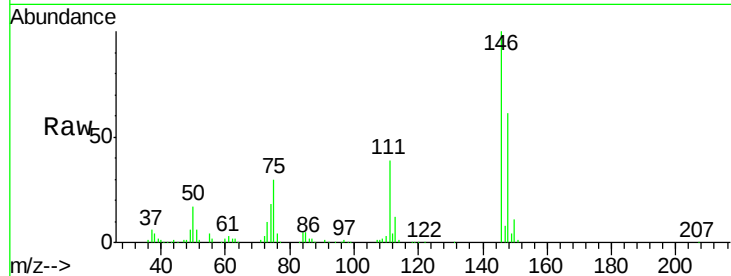
ClientSampleId :

VN0414WBSD01

Tot Ion:	146	Resp:	155016
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.3	60.9
148	62.5	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.175 ug/l

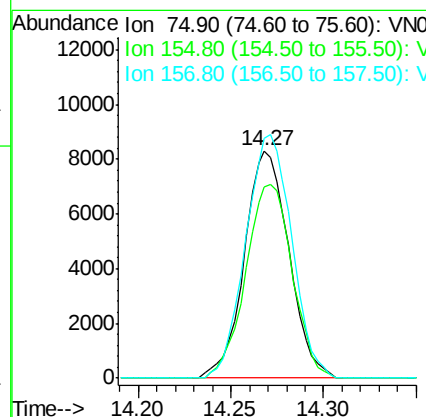
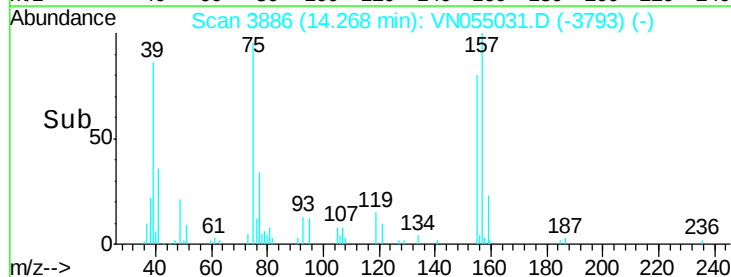
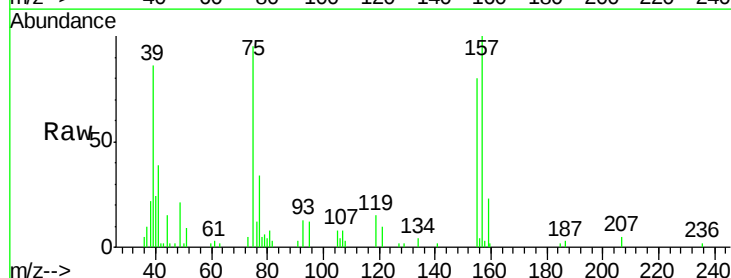
RT: 14.27 min Scan# 3886

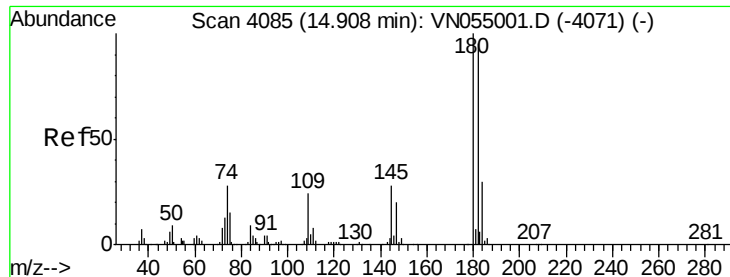
Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	75	Resp:	13896
Ion Ratio	Lower	Upper	
75	100		
155	88.9	42.0	126.0
157	110.5	52.1	156.4





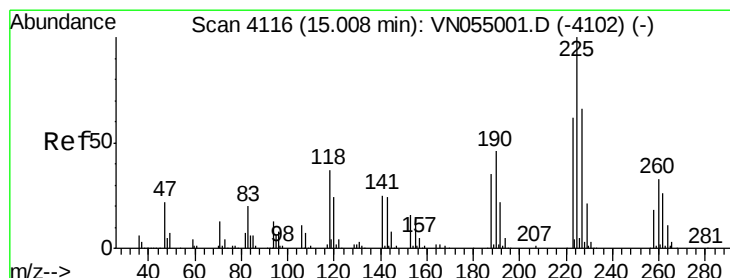
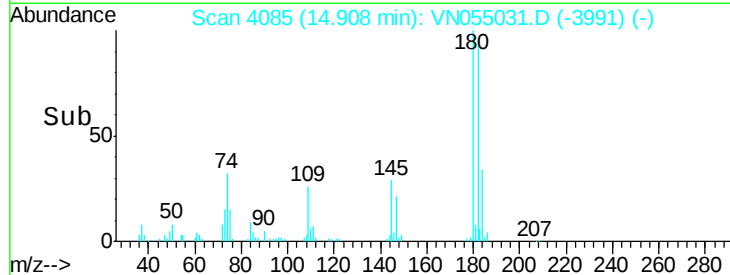
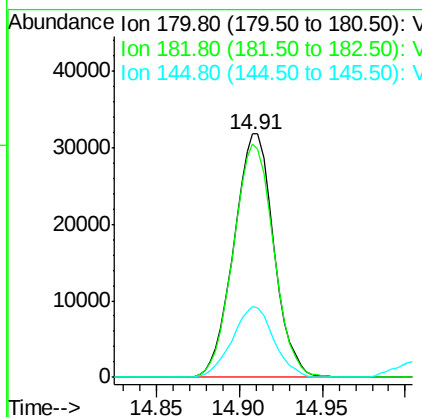
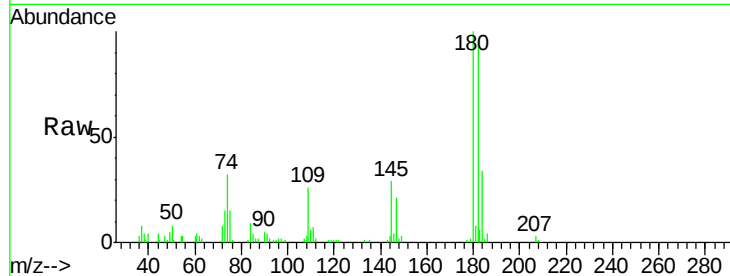
#93
 1,2,4-Trichlorobenzene
 Concen: 16.706 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.6
145	30.2	14.2	42.8

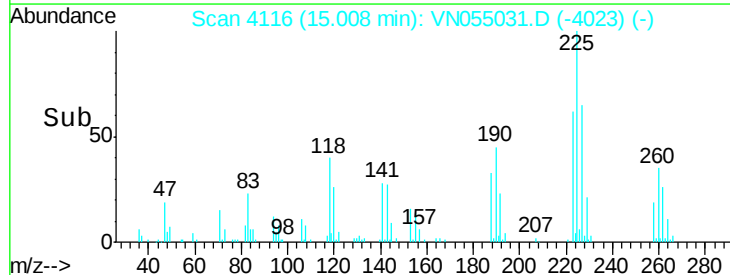
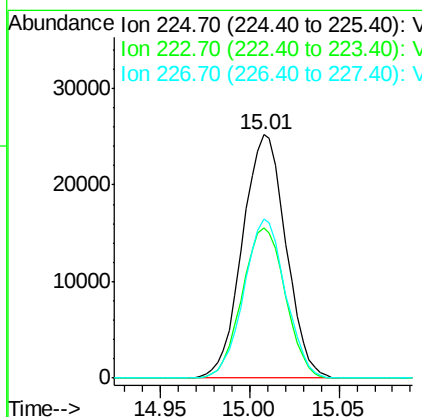
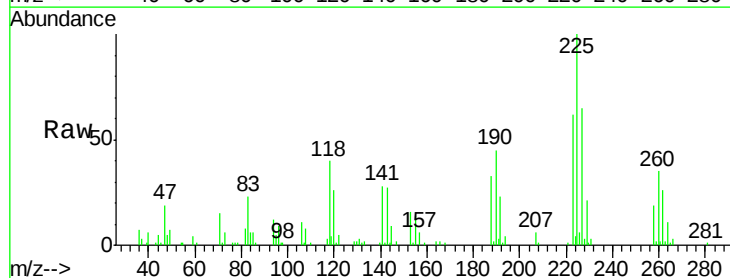
Manual Integrations
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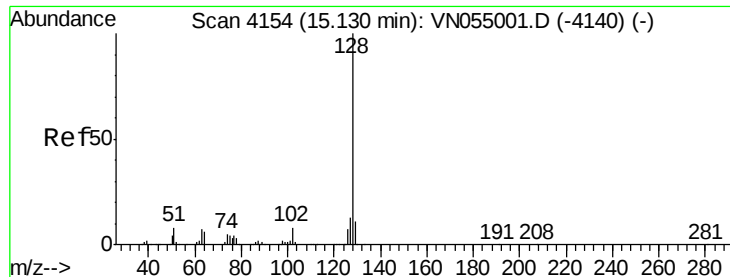
MMDadoda
 4/17/2019 10:04:16 AM



#94
 Hexachlorobutadiene
 Concen: 17.494 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055031.D
 Acq: 13 Apr 2019 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.0
227	62.4	32.6	97.7





#95

Naphthalene

Concen: 18.330 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Instrument :

MSVOA_N

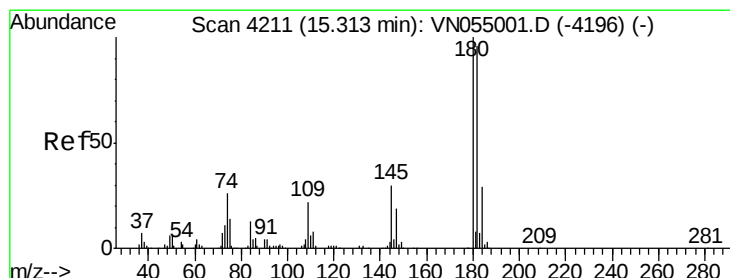
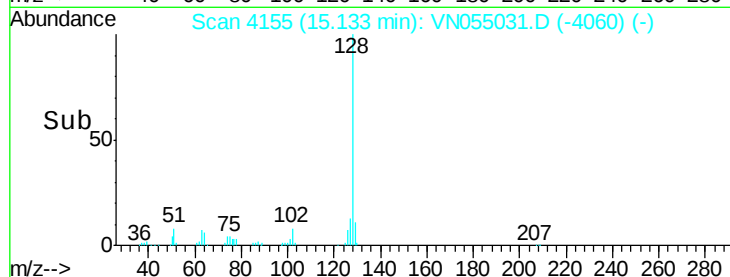
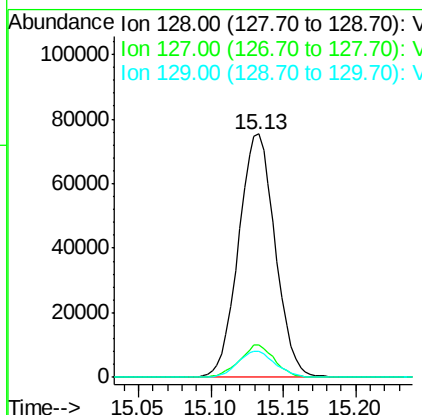
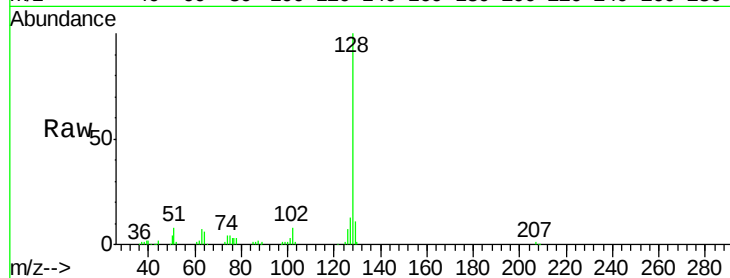
ClientSampleId :

VN0414WBSD01

Tot Ion:	128	Resp:	131976
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 16.914 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055031.D

Acq: 13 Apr 2019 15:55

Tgt Ion:	180	Resp:	57679
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.0
145	29.5	15.3	45.9

