

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056059.D
 Acq On : 6 Jun 2019 21:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:41:45 AM

Quant Time: Jun 07 06:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	309024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	466494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	159704	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	144369	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.09	98	549320	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	186275	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	167848	49.445	ug/l	100
3) Chloromethane	2.06	50	175443	52.374	ug/l	97
4) Vinyl Chloride	2.18	62	178020	52.979	ug/l	99
5) Bromomethane	2.53	94	110056	51.849	ug/l	98
6) Chloroethane	2.68	64	101404	52.049	ug/l	100
7) Trichlorofluoromethane	3.00	101	216919	50.568	ug/l	98
8) Diethyl Ether	3.40	74	89750	50.877	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	134061	51.448	ug/l	100
10) Methyl Iodide	3.94	142	197718	47.747	ug/l	99
11) Tert butyl alcohol	4.82	59	137378	257.282	ug/l	99
12) 1,1-Dichloroethene	3.72	96	133597	51.498	ug/l	96
13) Acrolein	3.60	56	45081	292.738	ug/l	100
14) Allyl chloride	4.31	41	210568	51.403	ug/l	98
15) Acrylonitrile	4.99	53	378523	291.215	ug/l	100
16) Acetone	3.82	43	318795	217.237	ug/l	98
17) Carbon Disulfide	4.04	76	293858	47.309	ug/l	99
18) Methyl Acetate	4.33	43	166485	57.846	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	441022	53.333	ug/l	99
20) Methylene Chloride	4.54	84	158544	52.439	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144198	51.877	ug/l	96
22) Diisopropyl ether	5.95	45	449348	53.065	ug/l	99
23) Vinyl Acetate	5.90	43	1831800	274.696	ug/l	99
24) 1,1-Dichloroethane	5.84	63	257837	52.786	ug/l	99
25) 2-Butanone	6.84	43	503593	271.606	ug/l	100
26) 2,2-Dichloropropane	6.82	77	164939	43.274	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	169864	51.989	ug/l	97
28) Bromochloromethane	7.19	49	120994	52.380	ug/l	99
29) Tetrahydrofuran	7.22	42	328562	286.675	ug/l	99
30) Chloroform	7.37	83	260652	53.046	ug/l	100
31) Cyclohexane	7.65	56	236232	48.519	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	214778	52.343	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193995	48.363	ug/l	99
37) Ethyl Acetate	6.93	43	198404	55.591	ug/l	99
38) Carbon Tetrachloride	7.77	117	178013	48.136	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	237280	47.486	ug/l	99
40) Benzene	8.04	78	614198	50.415	ug/l	99
41) Methacrylonitrile	7.17	41	93554	56.973	ug/l	96
42) 1,2-Dichloroethane	8.12	62	195091	49.783	ug/l	99
43) Isopropyl Acetate	8.17	43	305826	52.880	ug/l #	92
44) Trichloroethene	8.83	130	167347	47.803	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159468	51.102	ug/l	99
46) Dibromomethane	9.21	93	104083	51.006	ug/l	98
47) Bromodichloromethane	9.40	83	187869	50.797	ug/l	100
48) Methyl methacrylate	9.20	41	151326	53.483	ug/l	96
49) 1,4-Dioxane	9.20	88	66027	1080.923	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	985476	272.481	ug/l	100
52) Toluene	10.16	92	384562	50.727	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	197774	45.821	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	227492	51.173	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	156317	52.055	ug/l	99
56) Ethyl methacrylate	10.43	69	234642	53.560	ug/l	99
57) 1,3-Dichloropropane	10.71	76	254709	52.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	407703	235.628	ug/l	100
59) 2-Hexanone	10.75	43	680326	259.539	ug/l	99
60) Dibromochloromethane	10.90	129	154240	46.739	ug/l	99
61) 1,2-Dibromoethane	11.00	107	161752	52.689	ug/l	98
64) Tetrachloroethene	10.63	164	175640	48.960	ug/l	97
65) Chlorobenzene	11.43	112	413628	50.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149152	52.371	ug/l	100
67) Ethyl Benzene	11.51	91	717008	49.993	ug/l	98
68) m/p-Xylenes	11.62	106	549888	100.365	ug/l	99
69) o-Xylene	11.95	106	270116	50.120	ug/l	99
70) Styrene	11.96	104	450029	52.555	ug/l	99
71) Bromoform	12.13	173	109653	46.087	ug/l #	100
73) Isopropylbenzene	12.25	105	708629	54.158	ug/l	100
74) N-amyl acetate	12.07	43	251078	51.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	214013	50.035	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172856m	50.986	ug/l	
77) Bromobenzene	12.53	156	193410	49.030	ug/l	96
78) n-propylbenzene	12.59	91	751486	48.211	ug/l	99
79) 2-Chlorotoluene	12.67	91	462495	53.663	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	583132	47.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49622	48.742	ug/l	90
82) 4-Chlorotoluene	12.77	91	445203	48.820	ug/l	100
83) tert-Butylbenzene	12.99	119	511178	53.365	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	570623	48.573	ug/l	99
85) sec-Butylbenzene	13.17	105	662727	48.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	597917	48.398	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304199	49.825	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	290787	49.512	ug/l	99
89) n-Butylbenzene	13.61	91	444910	48.614	ug/l	100
90) Hexachloroethane	13.87	117	91539	49.132	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	300996	48.831	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32426	53.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144700	43.231	ug/l	100
94) Hexachlorobutadiene	15.01	225	105555	49.925	ug/l	98
95) Naphthalene	15.13	128	395876	45.312	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156558	45.515	ug/l	99

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

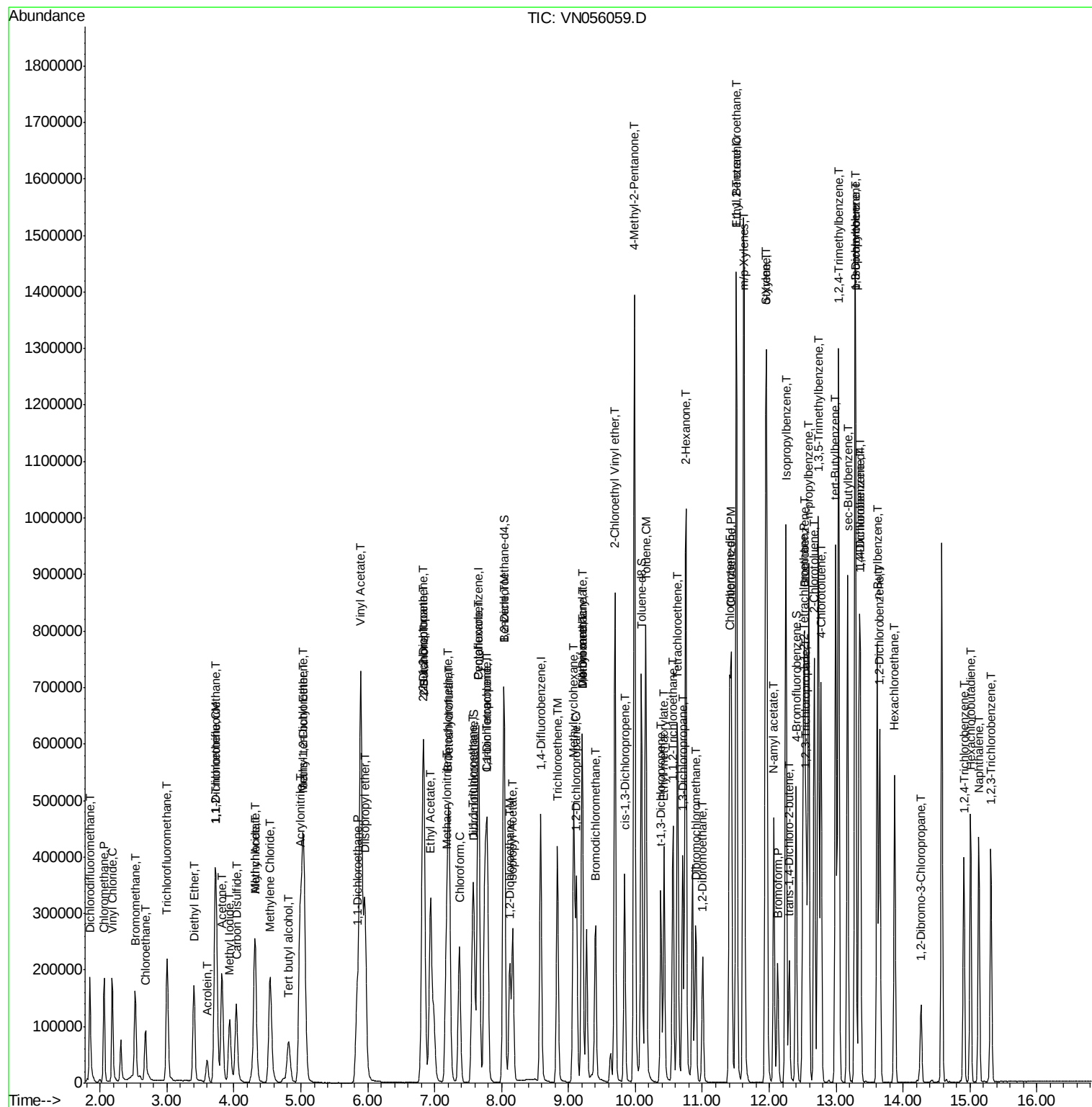
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Data File : VN056059.D
Acq On : 6 Jun 2019 21:12
Operator : JC/SP
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 309024

Ion Ratio Lower Upper

168 100

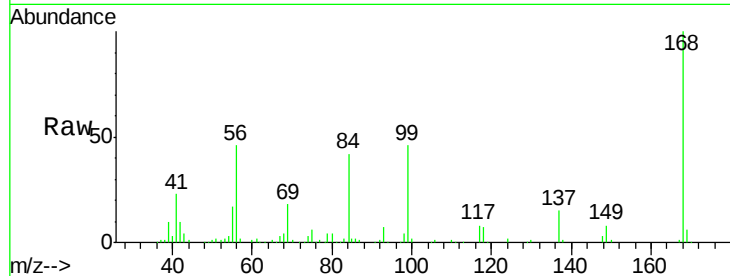
99 45.4 37.2 55.8

Manual Integrations

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6/7/2019 9:41:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

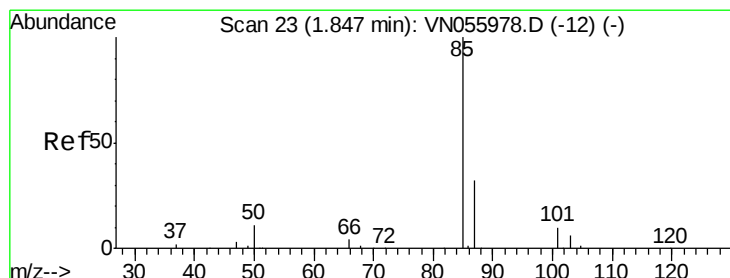
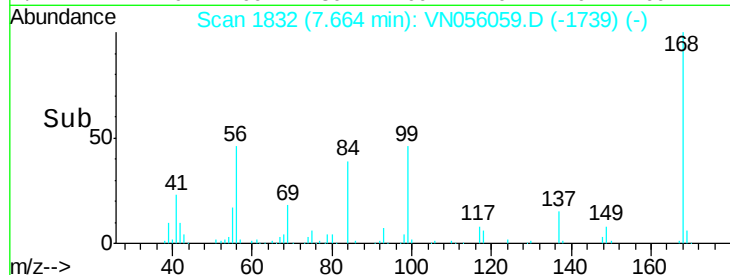
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.445 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056059.D

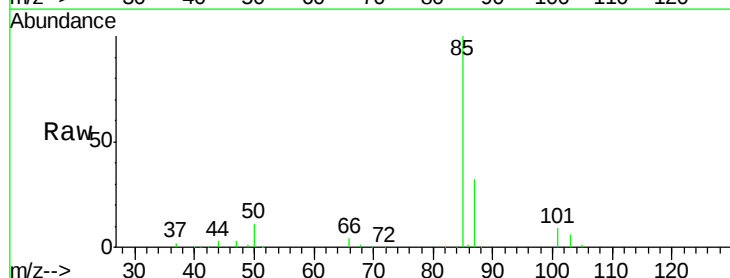
Acq: 6 Jun 2019 21:12

Tgt Ion: 85 Resp: 167848

Ion Ratio Lower Upper

85 100

87 32.5 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

120000

100000

80000

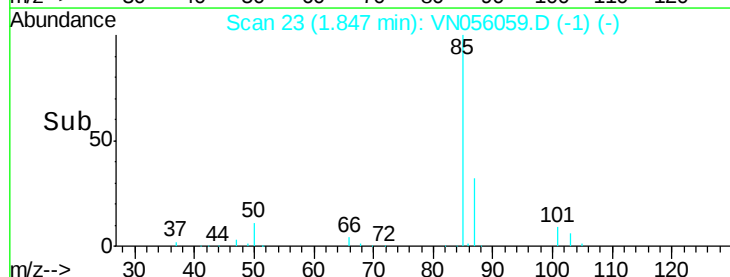
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 52.374 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 175443

Ion Ratio Lower Upper

50 100

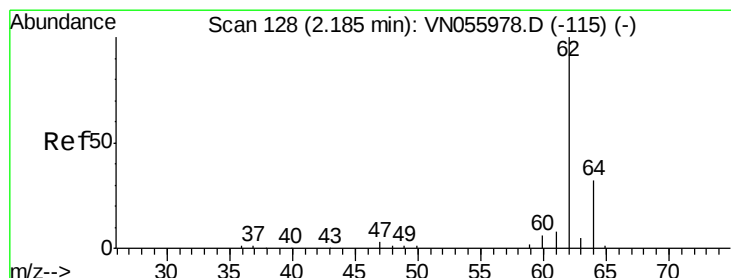
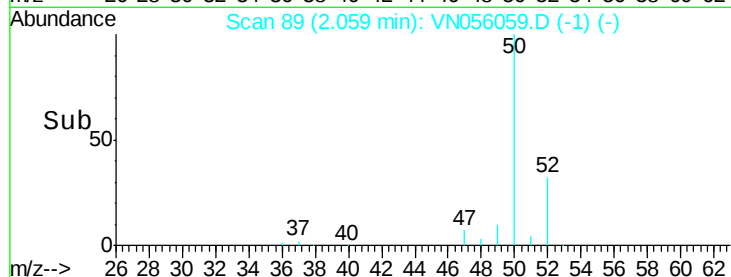
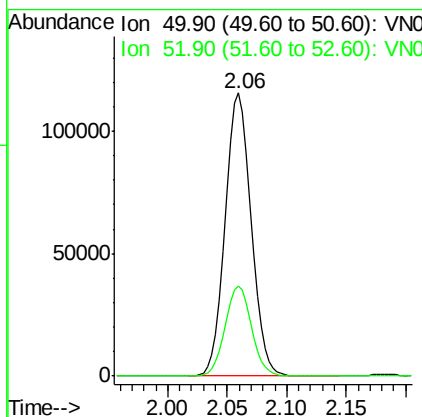
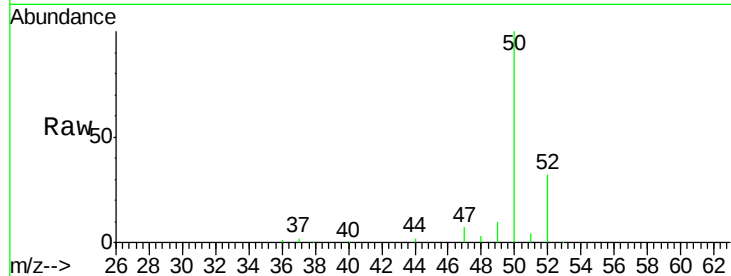
52 31.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.979 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056059.D

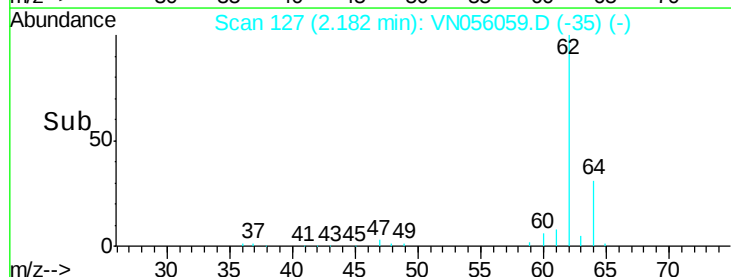
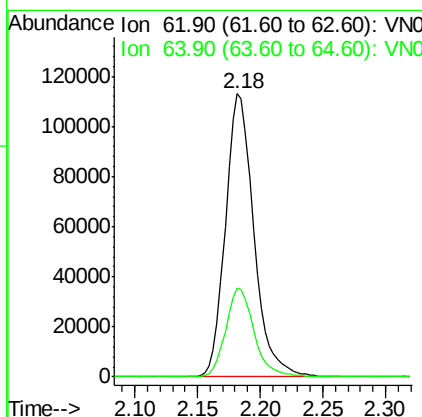
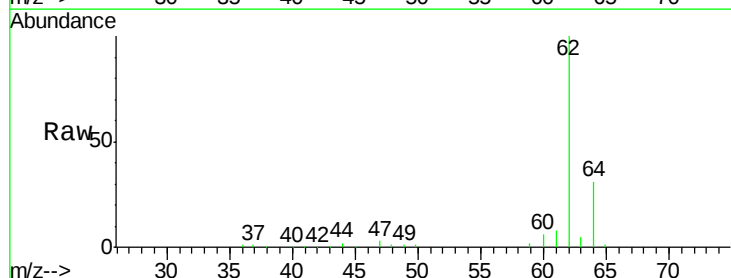
Acq: 6 Jun 2019 21:12

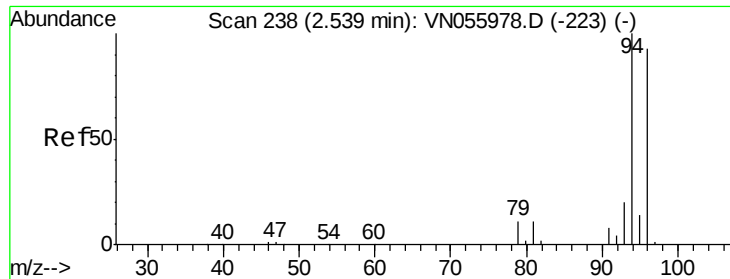
Tgt Ion: 62 Resp: 178020

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 51.849 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 110056

Ion Ratio Lower Upper

94 100

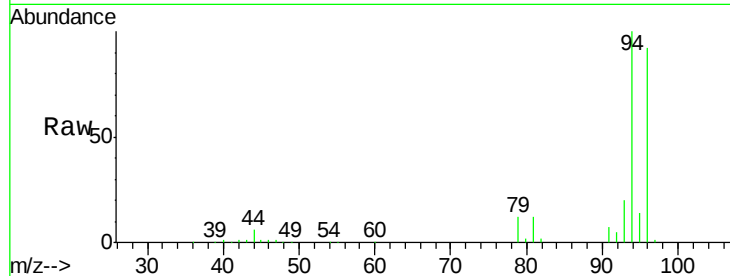
96 92.1 75.5 113.3

Manual Integrations

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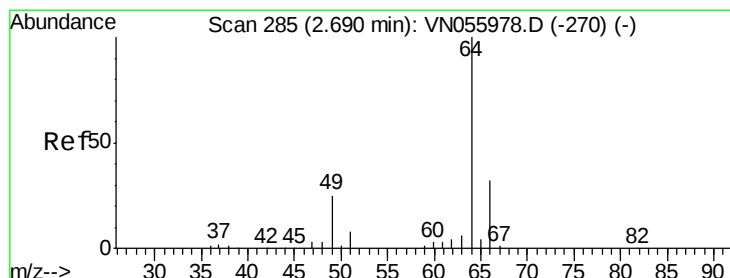
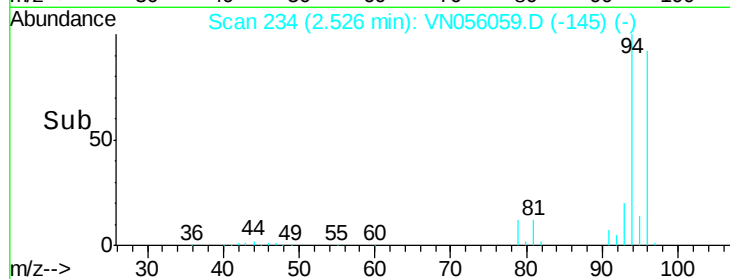
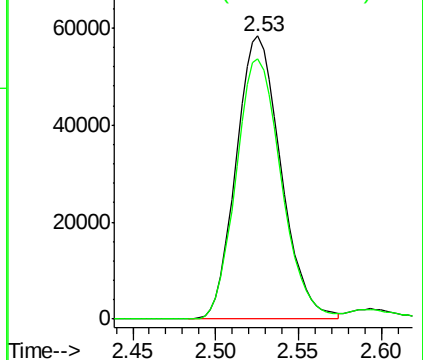
MMDadoda

6/7/2019 9:41:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.049 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056059.D

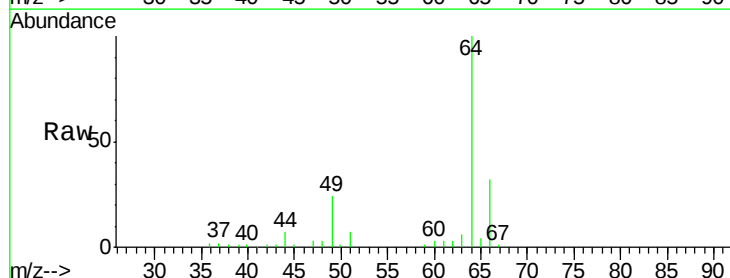
Acq: 6 Jun 2019 21:12

Tgt Ion: 64 Resp: 101404

Ion Ratio Lower Upper

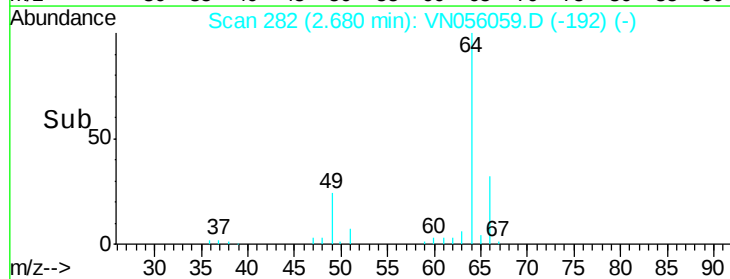
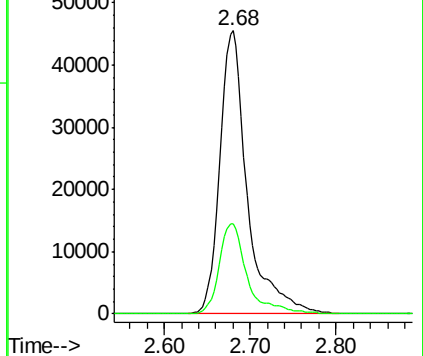
64 100

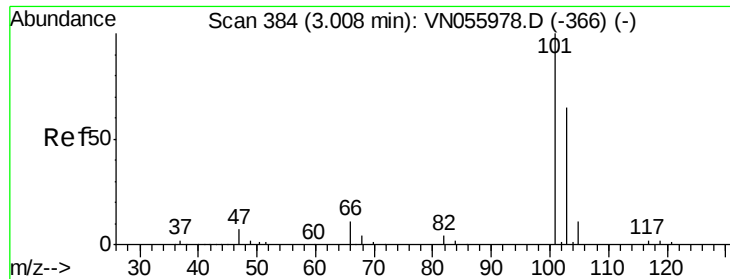
66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

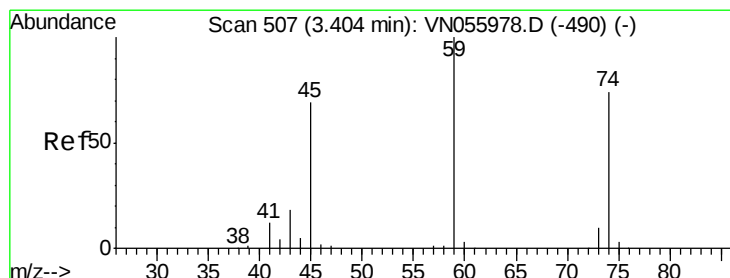
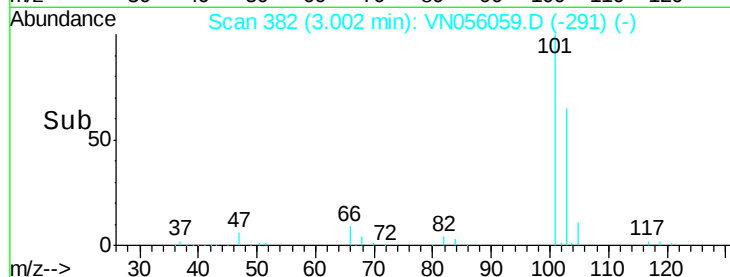
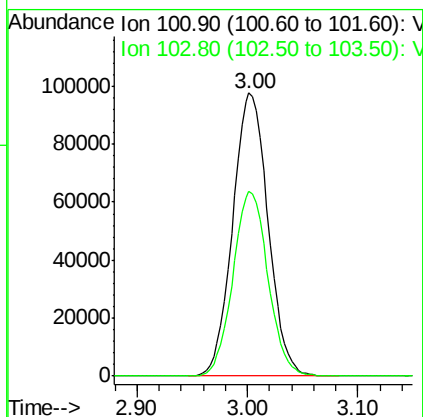
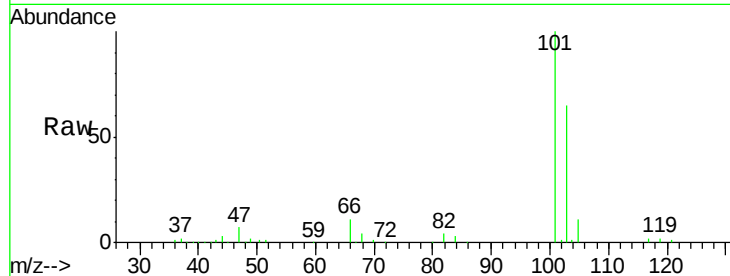
Trichlorofluoromethane
 Concen: 50.568 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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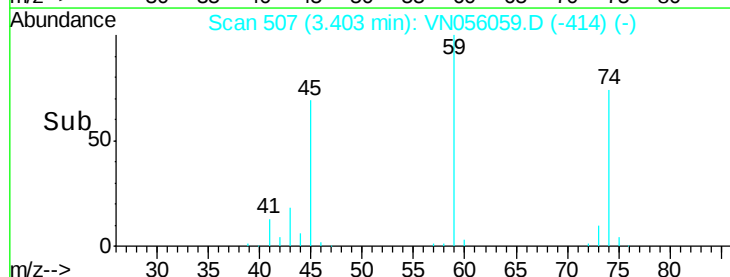
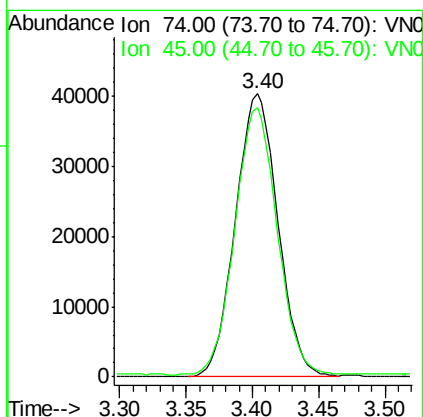
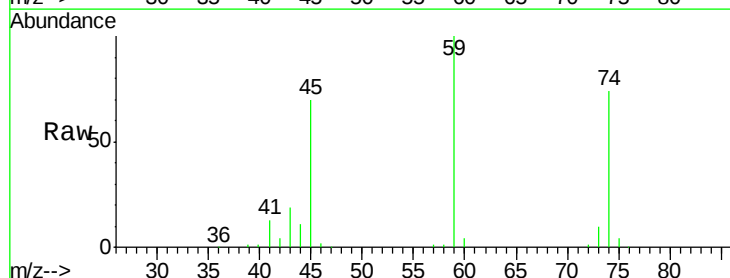
MMDadoda
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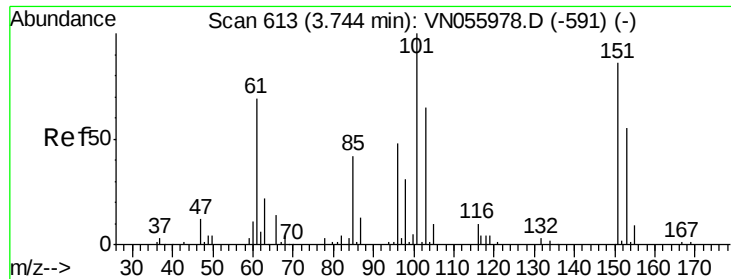


#8

Diethyl Ether
 Concen: 50.877 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.448 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

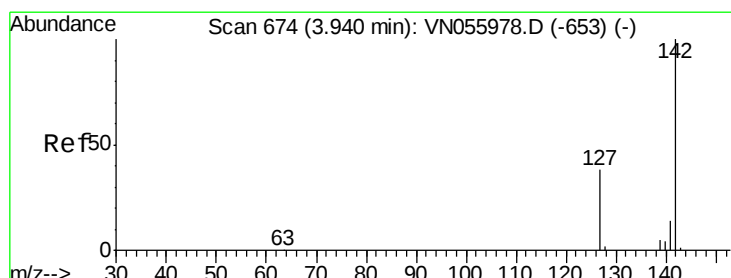
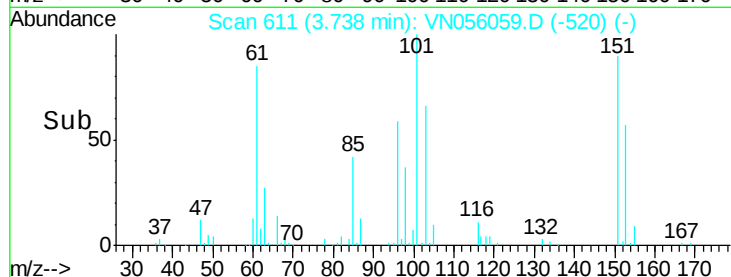
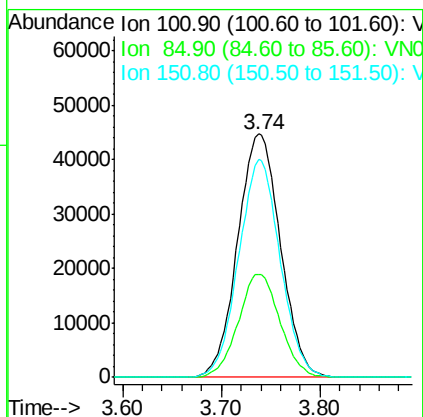
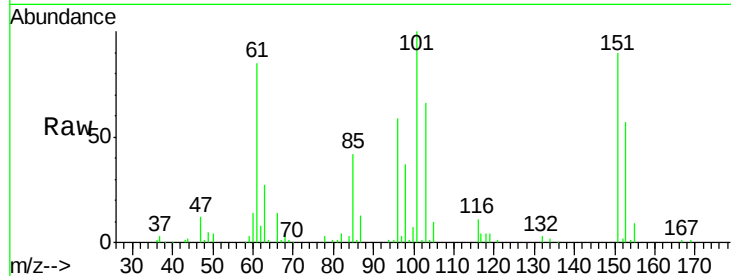
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	134061
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	87.1	69.4	104.2

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#10

Methyl Iodide

Concen: 47.747 ug/l

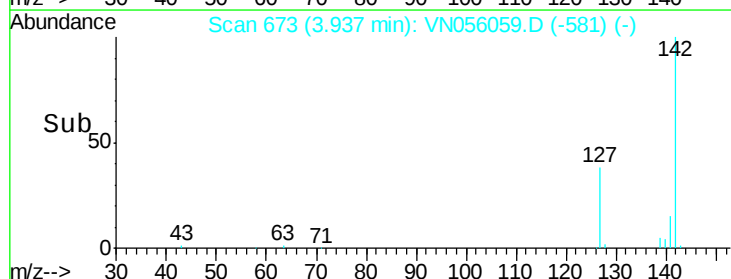
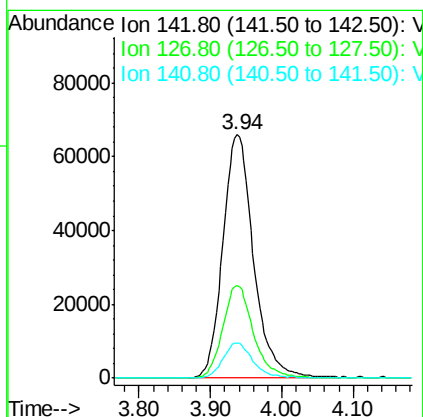
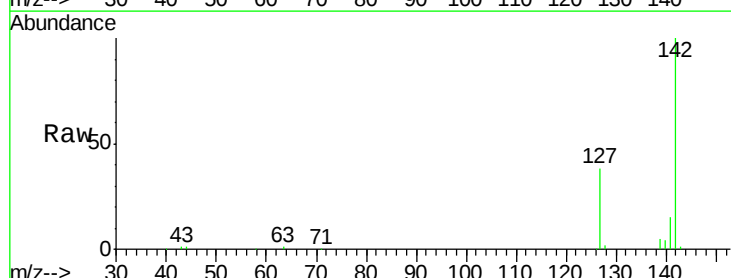
RT: 3.94 min Scan# 673

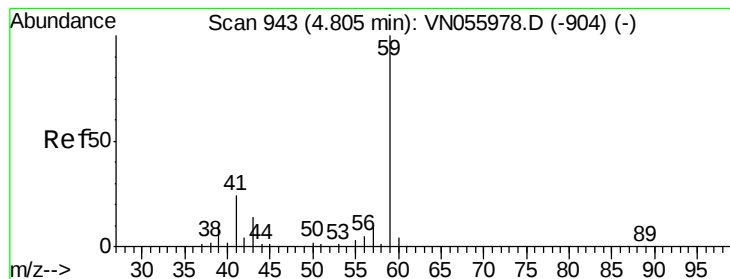
Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	142	Resp:	197718
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.0	11.4	17.0





#11

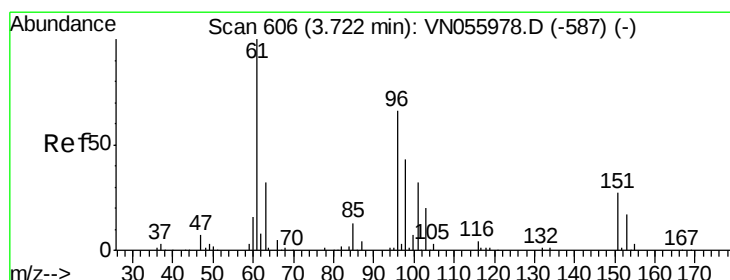
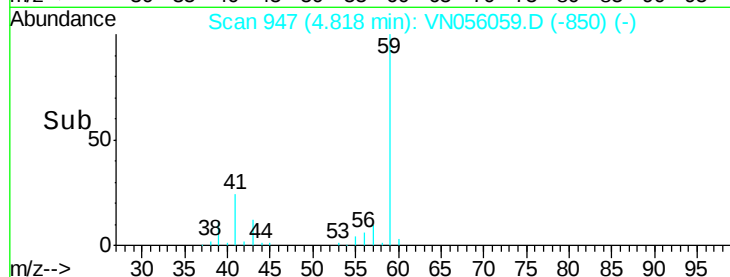
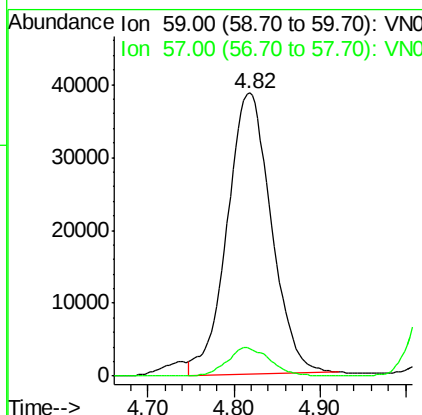
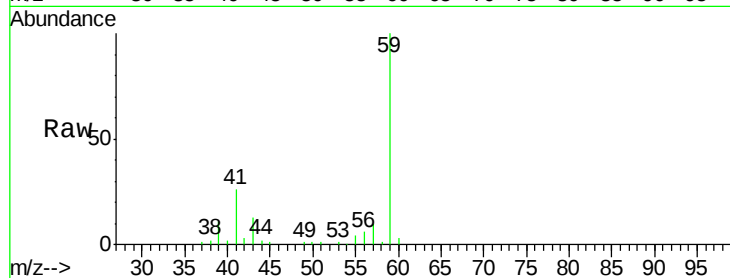
Tert butyl alcohol
Concen: 257.282 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

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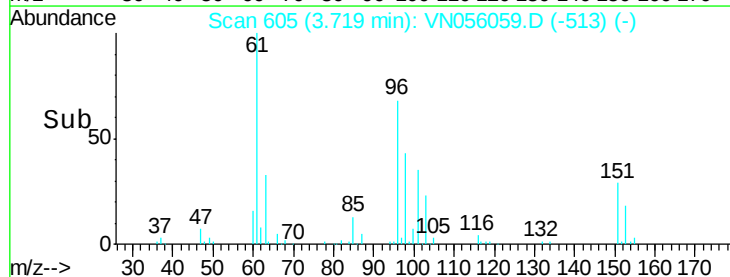
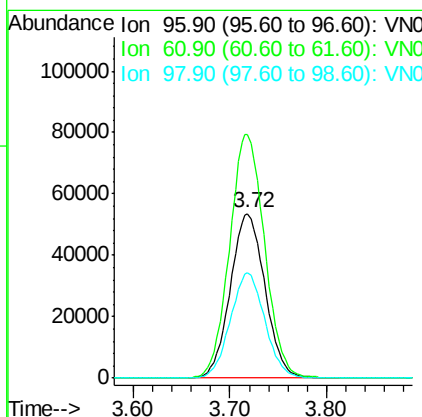
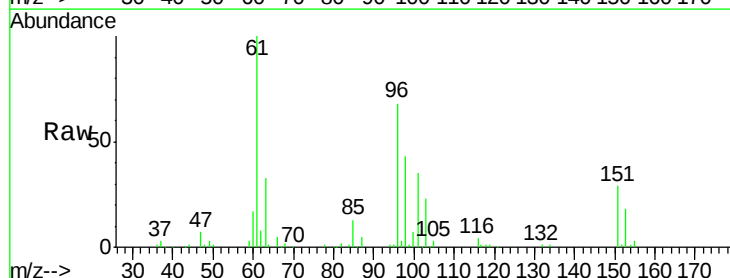
MMDadoda
6/7/2019 9:41:45 AM

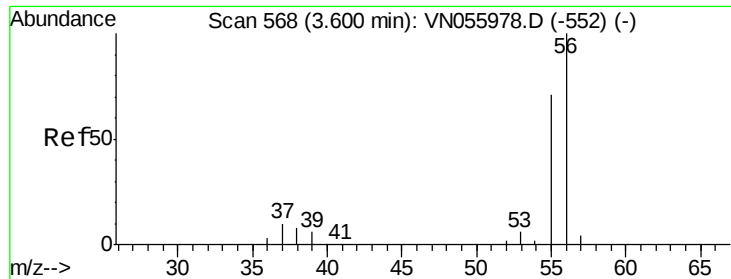


#12

1,1-Dichloroethene
Concen: 51.498 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	123.2	184.8
98	64.0	50.4	75.6





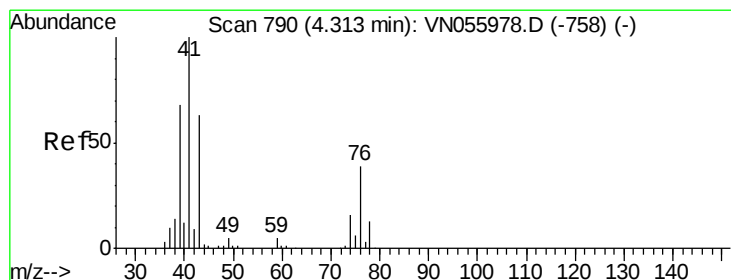
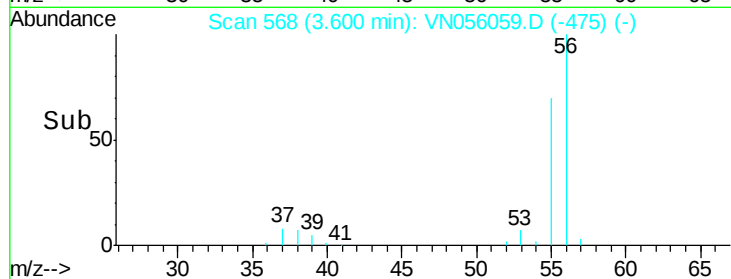
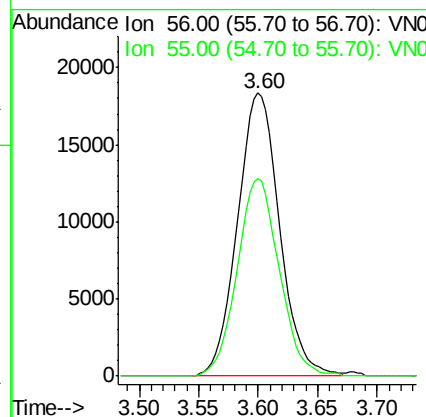
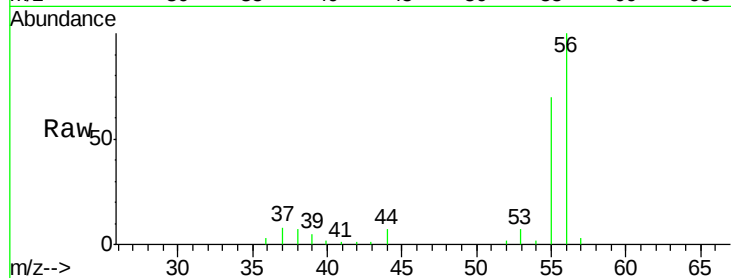
#13
Acrolein
Concen: 292.738 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.5	55.4	83.2

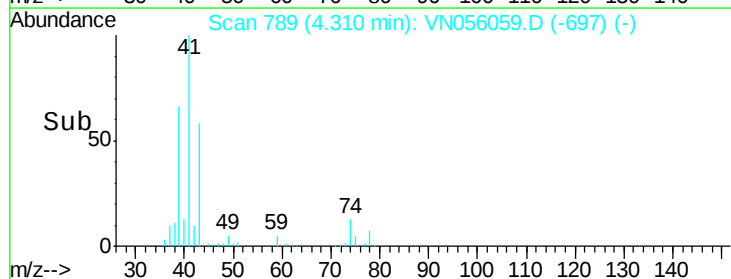
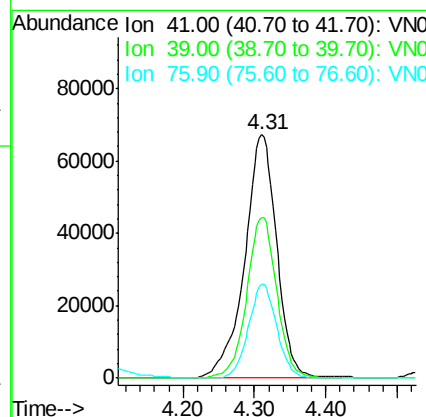
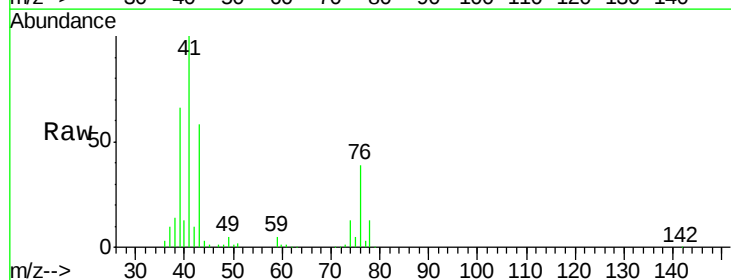
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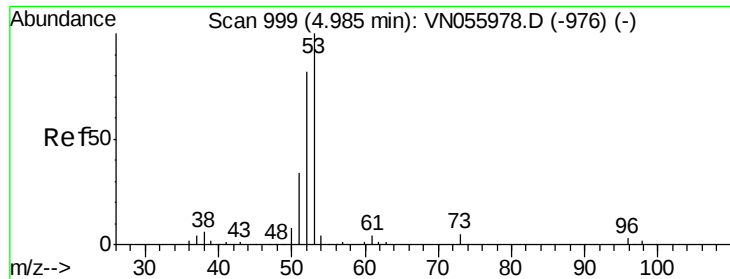
MMDadoda
6/7/2019 9:41:45 AM



#14
Allyl chloride
Concen: 51.403 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.6	50.0	75.0
76	76	33.9	28.2	42.2





#15

Acrylonitrile

Concen: 291.215 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

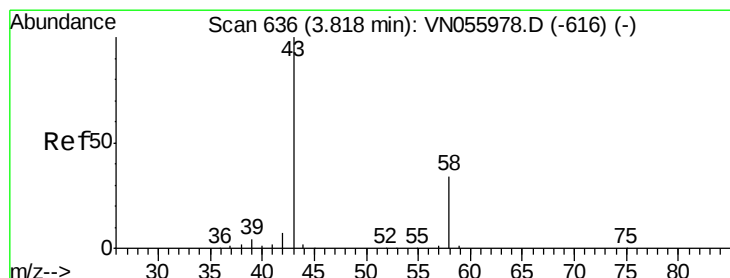
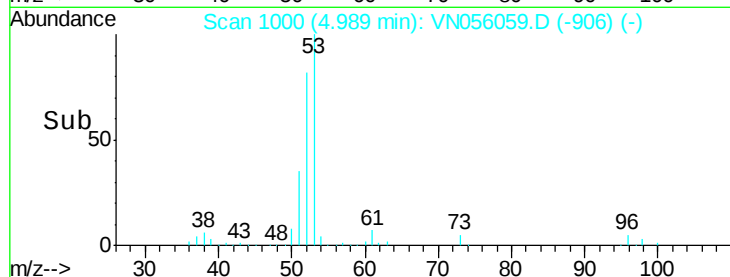
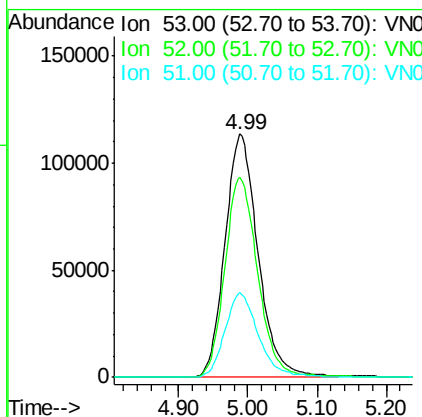
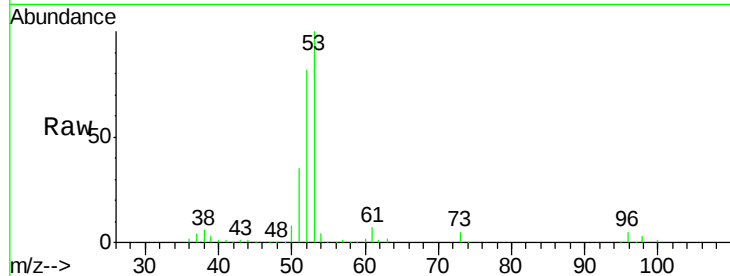
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	378523
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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6/7/2019 9:41:45 AM



#16

Acetone

Concen: 217.237 ug/l

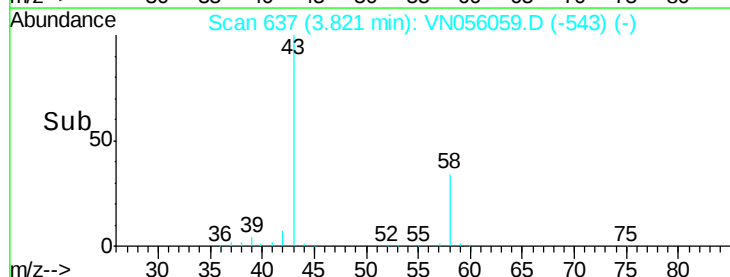
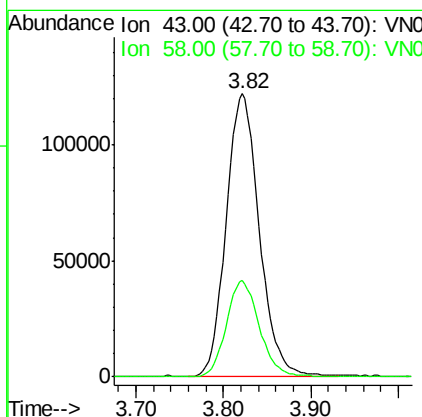
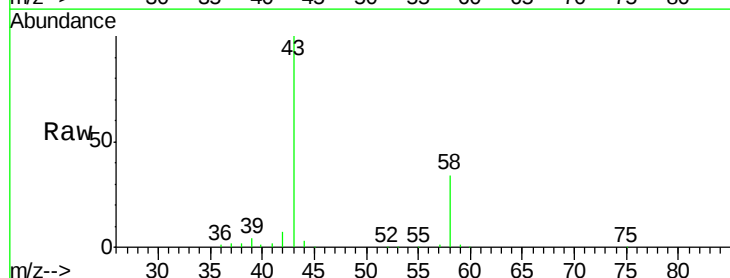
RT: 3.82 min Scan# 637

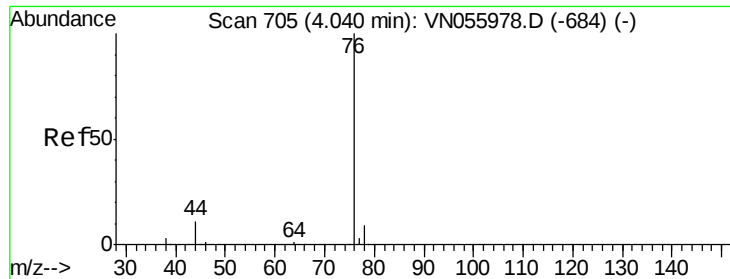
Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	43	Resp:	318795
Ion Ratio	Lower	Upper	
43	100		
58	34.1	26.6	39.8





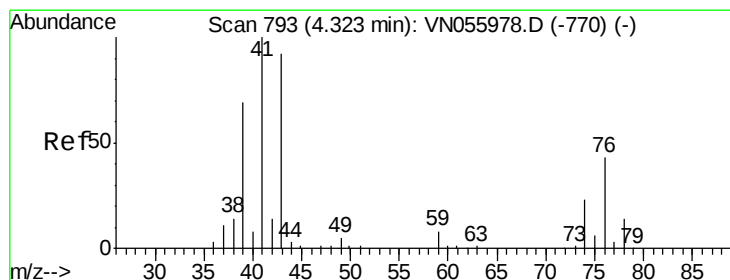
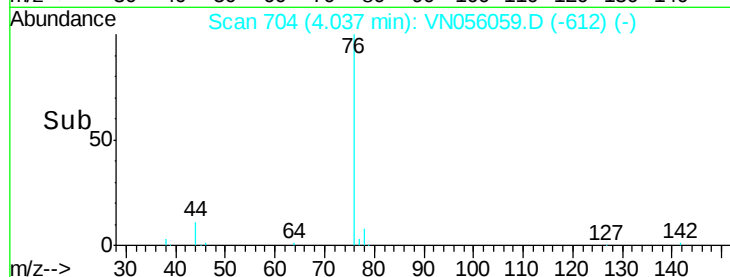
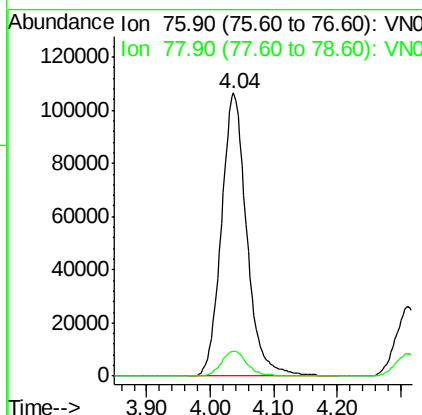
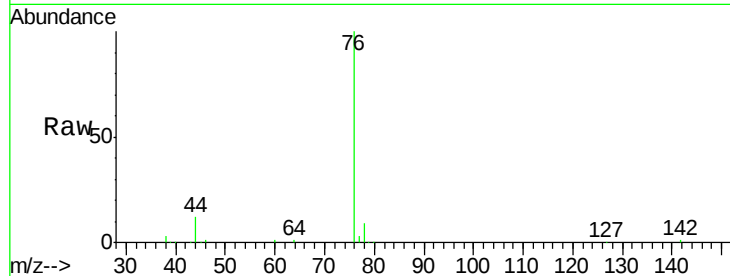
#17
Carbon Disulfide
Concen: 47.309 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 293858
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

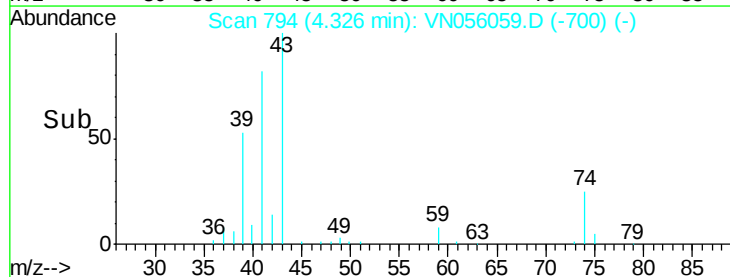
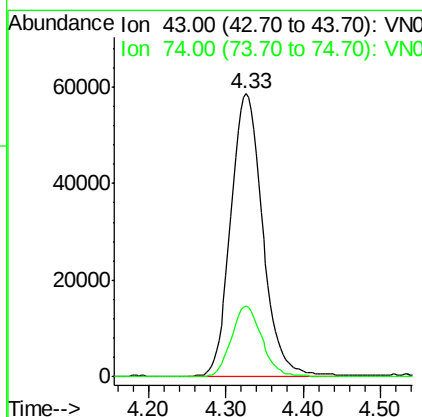
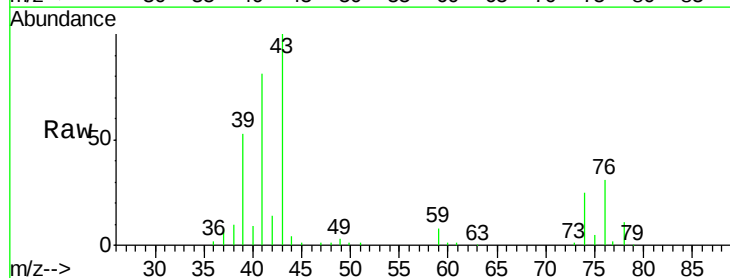
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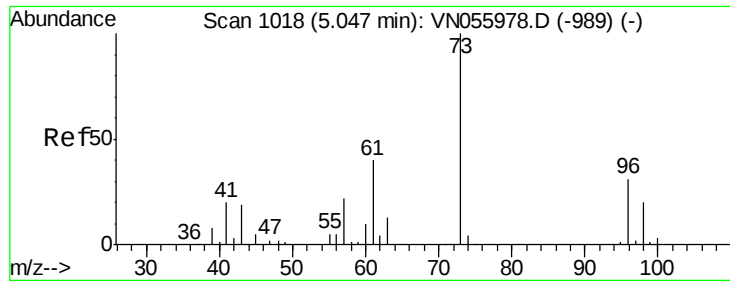
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#18
Methyl Acetate
Concen: 57.846 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 43 Resp: 166485
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9





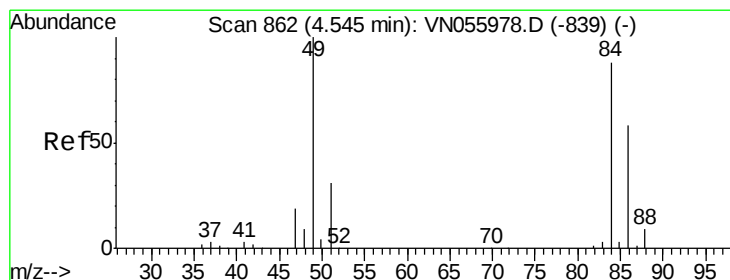
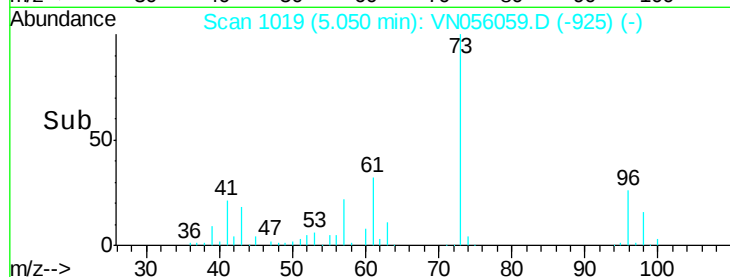
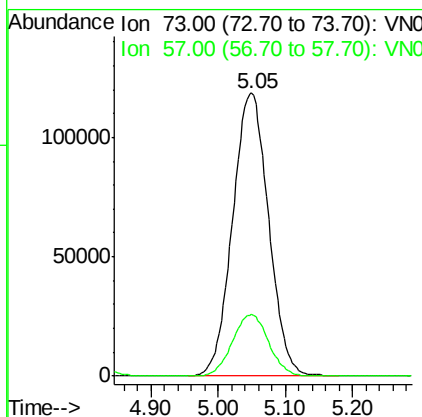
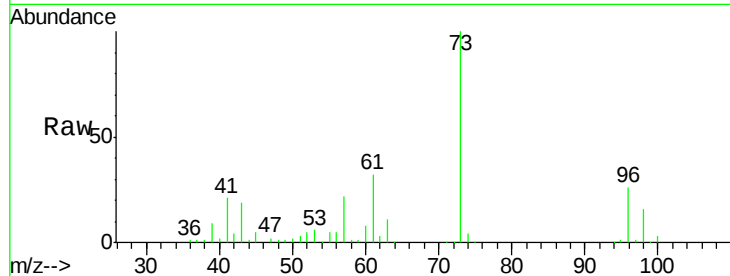
#19
Methvl tert-butvl Ether
Concen: 53.333 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 441022
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

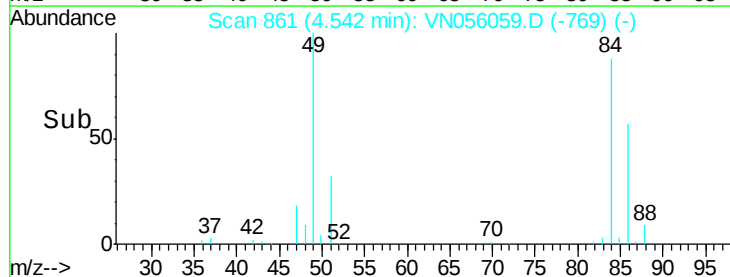
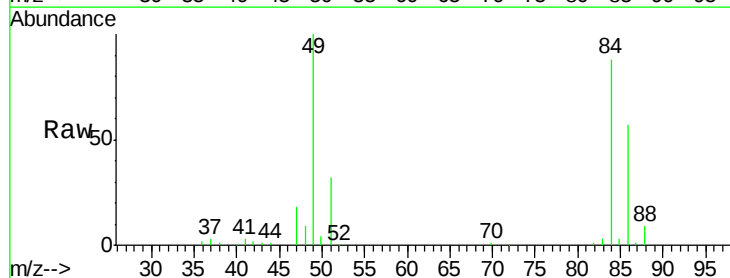
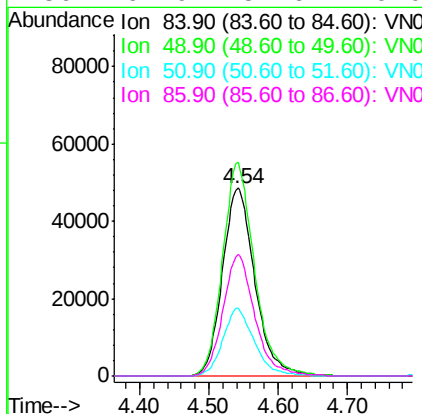
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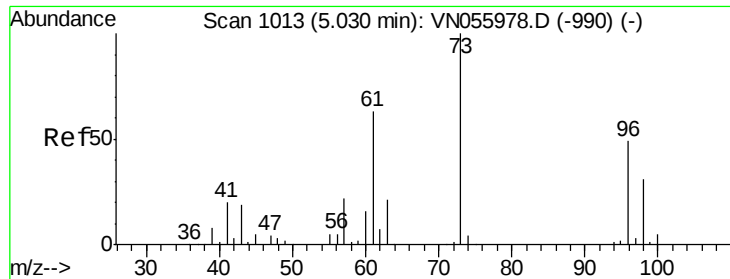
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#20
Methylene Chloride
Concen: 52.439 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 84 Resp: 158544
Ion Ratio Lower Upper
84 100
49 113.5 93.5 140.3
51 36.4 28.6 43.0
86 64.9 52.6 79.0





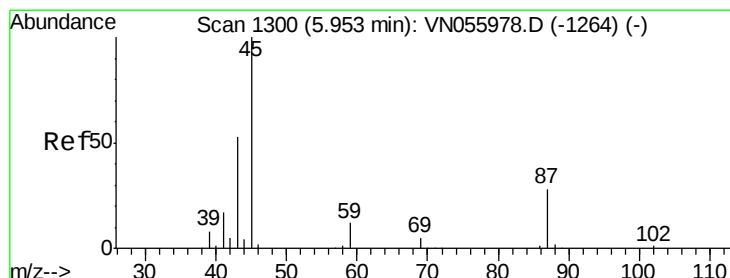
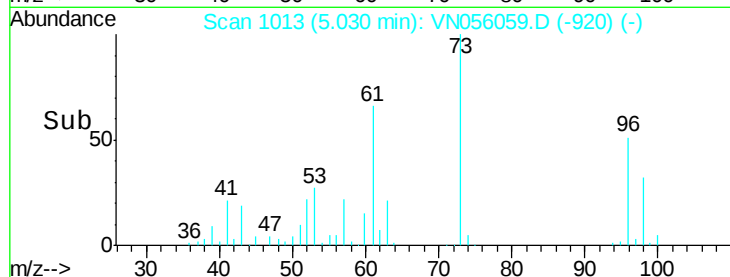
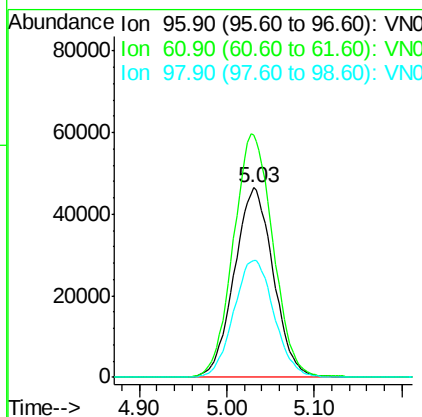
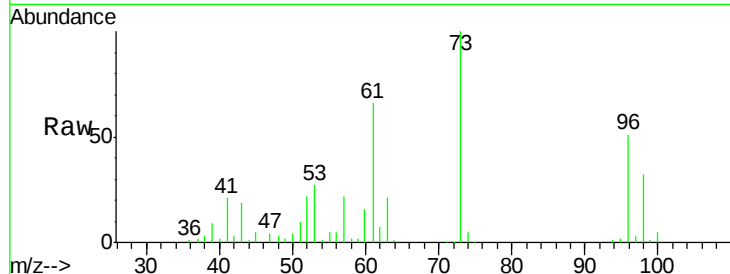
#21
trans-1,2-Dichloroethene
Concen: 51.877 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	107.8	161.8
98	61.9	49.8	74.8

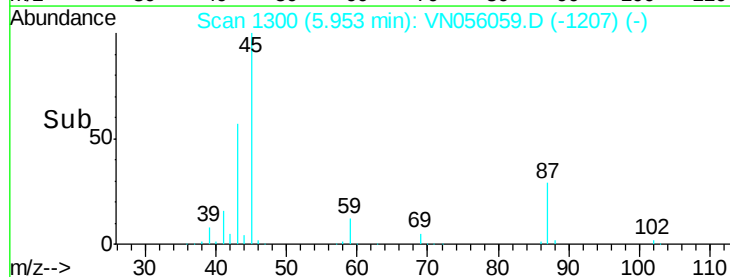
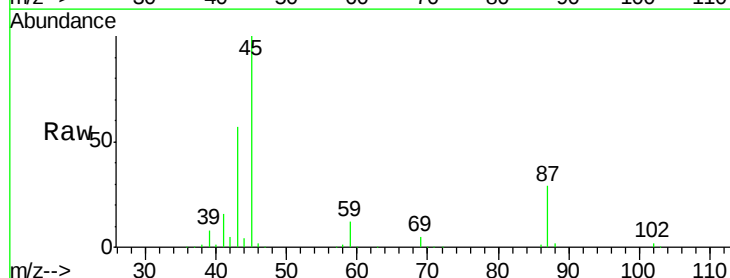
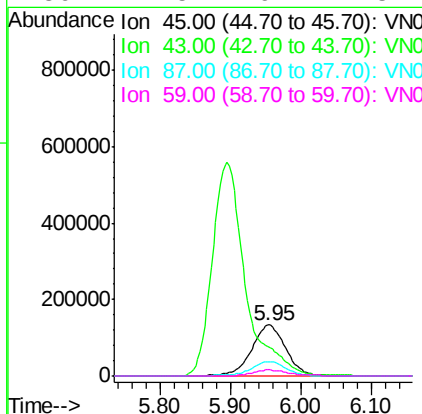
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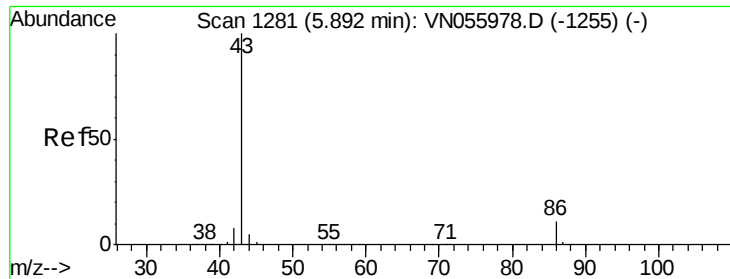
MMDadoda
6/7/2019 9:41:45 AM



#22
Diisopropyl ether
Concen: 53.065 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.0	67.6
87	28.2	22.2	33.4
59	11.5	9.1	13.7





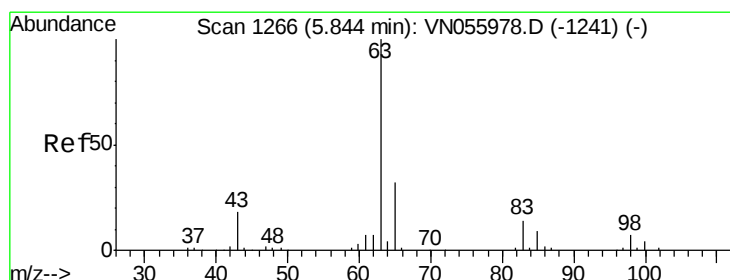
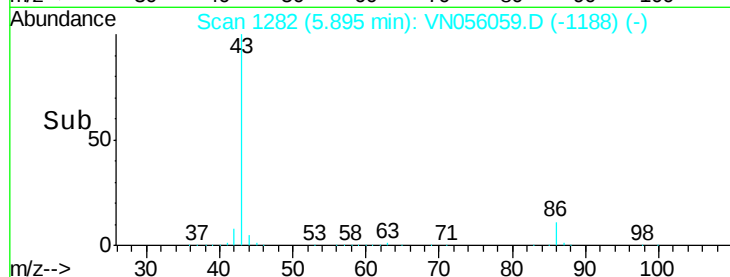
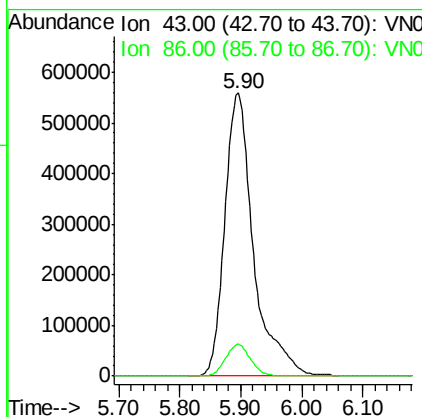
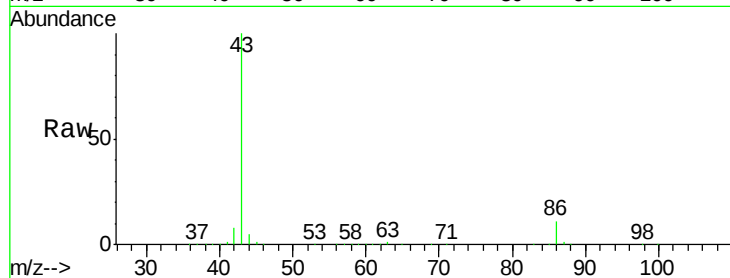
#23
 Vinyl Acetate
 Concen: 274.696 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1831800
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 13.0

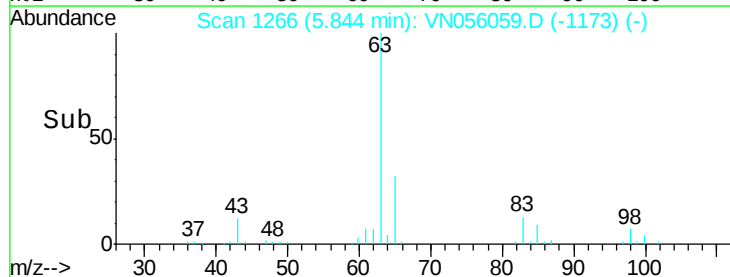
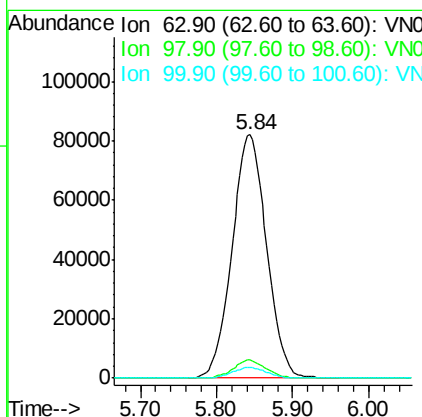
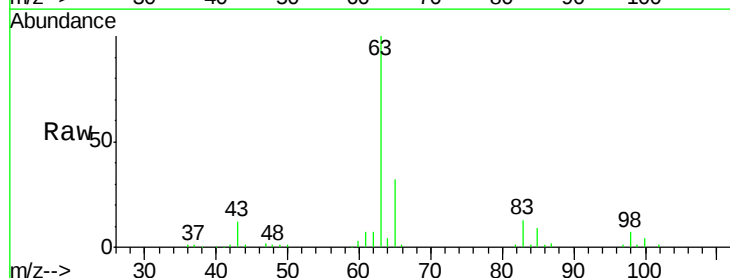
Manual Integrations
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MMDadoda
 6/7/2019 9:41:45 AM



#24
 1,1-Dichloroethane
 Concen: 52.786 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion: 63 Resp: 257837
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 271.606 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 503593

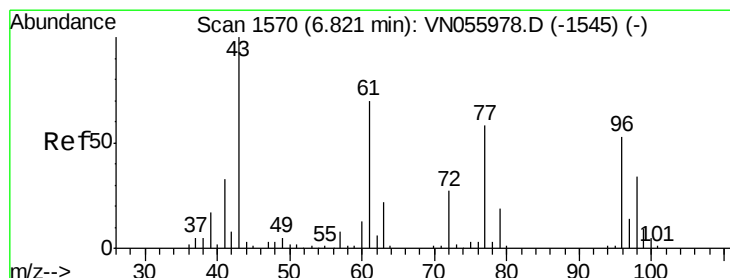
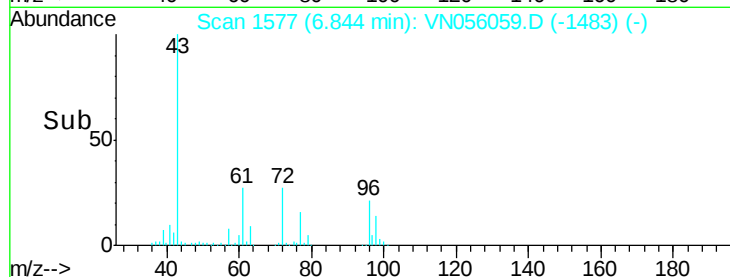
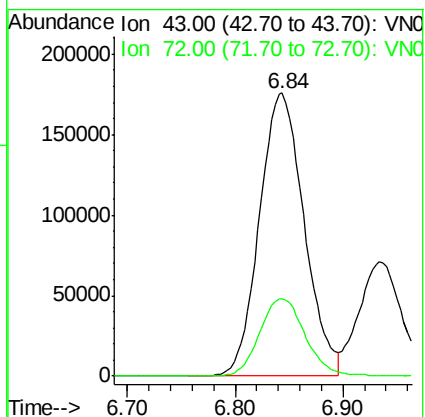
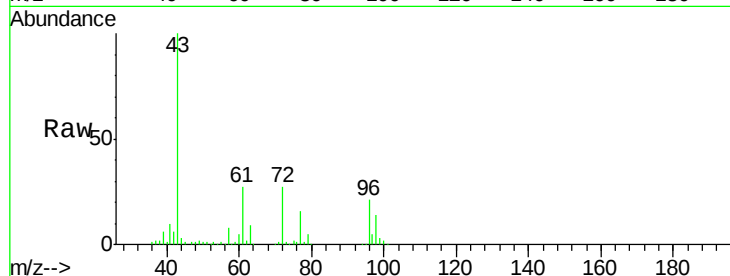
Ion Ratio Lower Upper

43 100

72 27.4 21.9 32.9

Manual Integrations
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MMDadoda
6/7/2019 9:41:45 AM



#26

2,2-Dichloropropane

Concen: 43.274 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056059.D

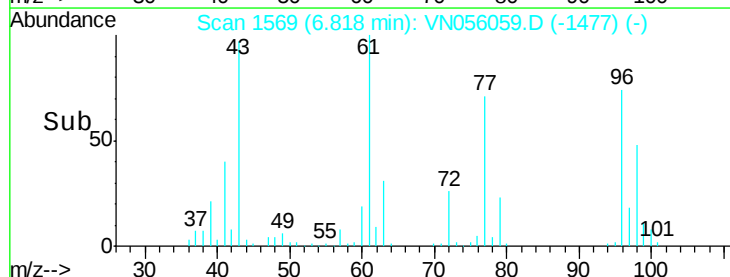
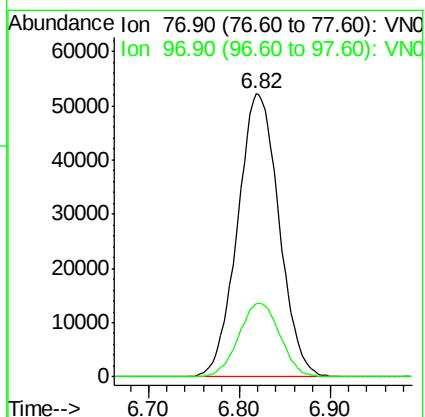
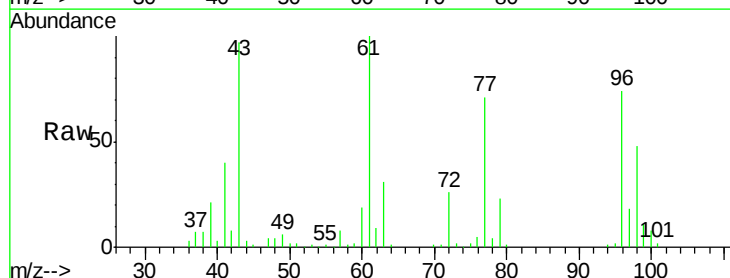
Acq: 6 Jun 2019 21:12

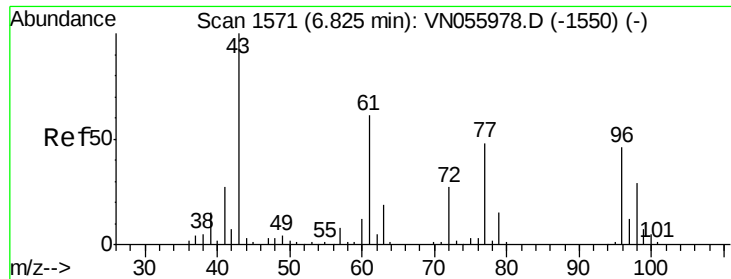
Tgt Ion: 77 Resp: 164939

Ion Ratio Lower Upper

77 100

97 26.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.989 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

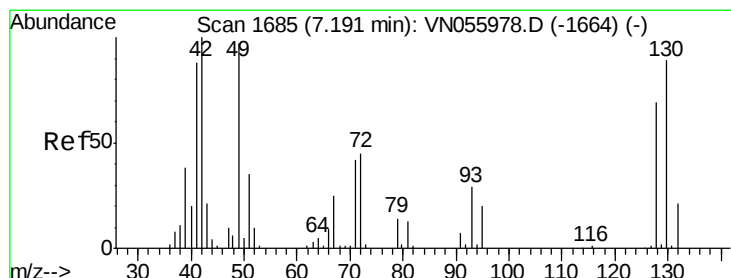
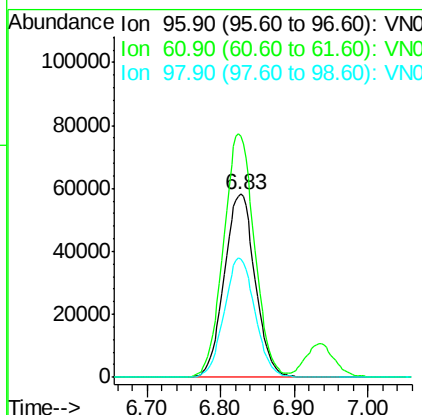
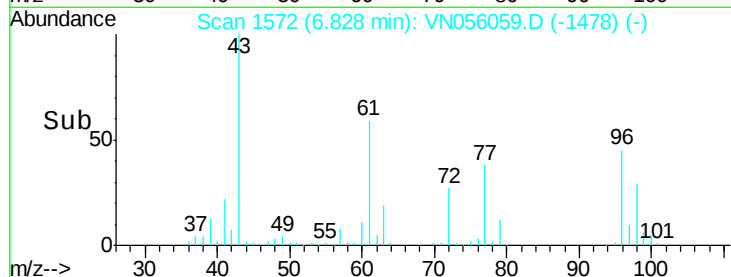
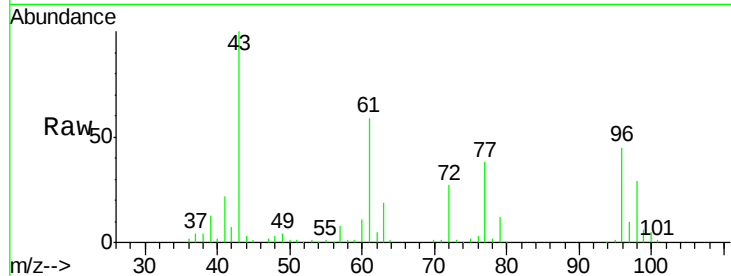
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	169864
Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	275.8
98	65.1	0.0	128.4

Manual Integrations
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6/7/2019 9:41:45 AM



#28

Bromochloromethane

Concen: 52.380 ug/l

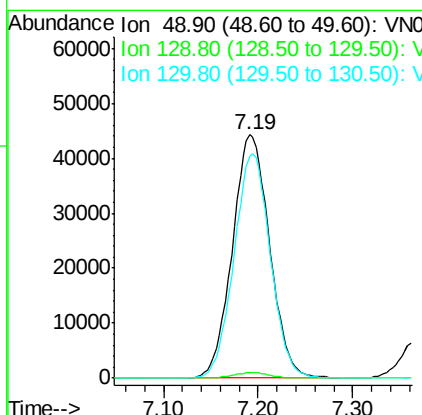
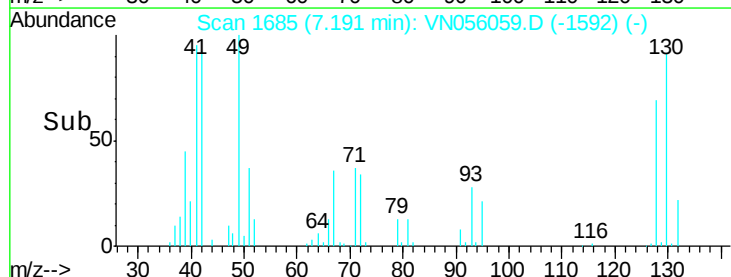
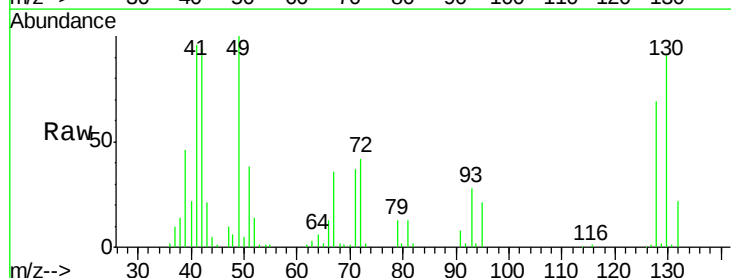
RT: 7.19 min Scan# 1685

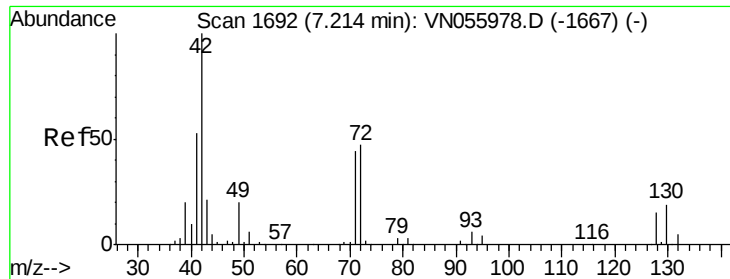
Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	49	Resp:	120994
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	90.2	71.2	106.8





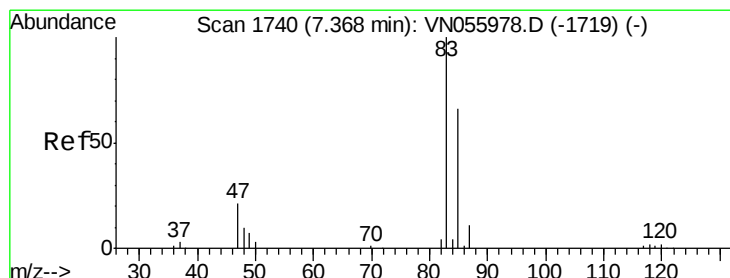
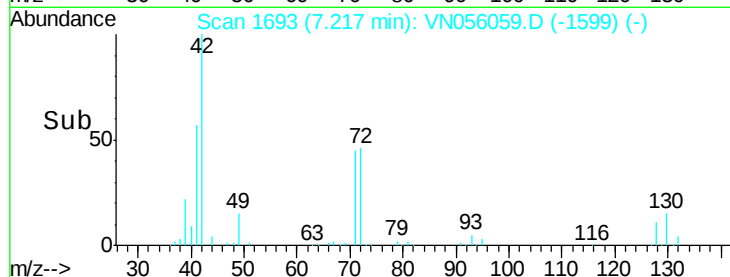
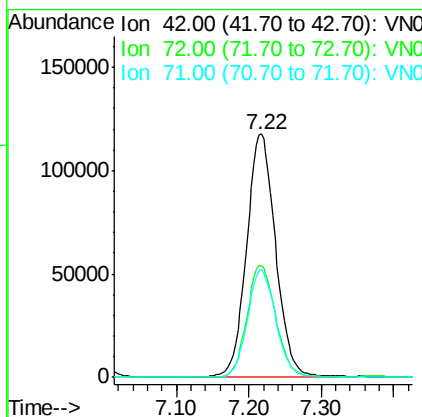
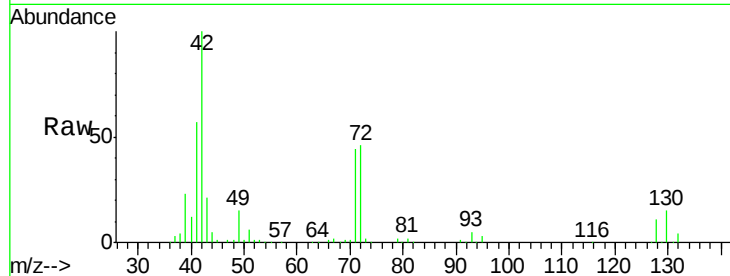
#29
Tetrahydrofuran
Concen: 286.675 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.9	53.9
71	43.1	34.0	51.0

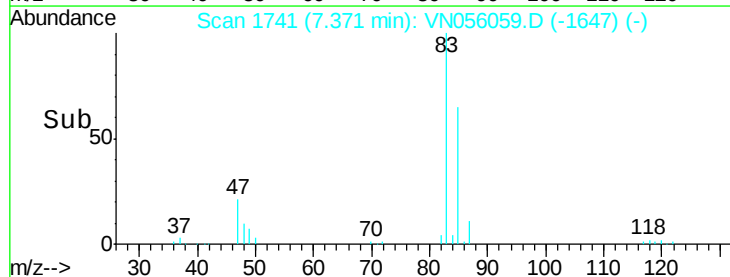
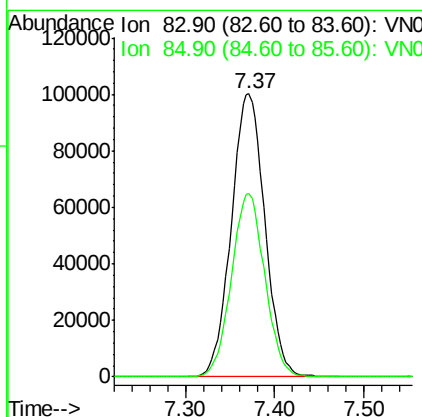
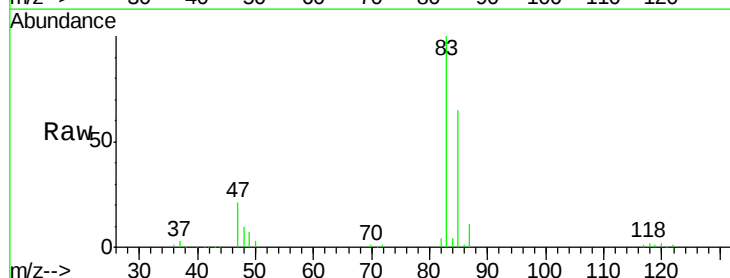
Manual Integrations
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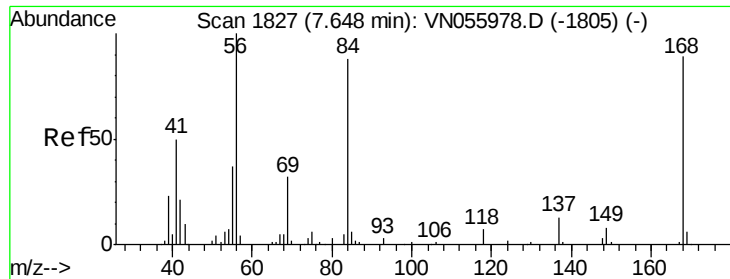
MMDadoda
6/7/2019 9:41:45 AM



#30
Chloroform
Concen: 53.046 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





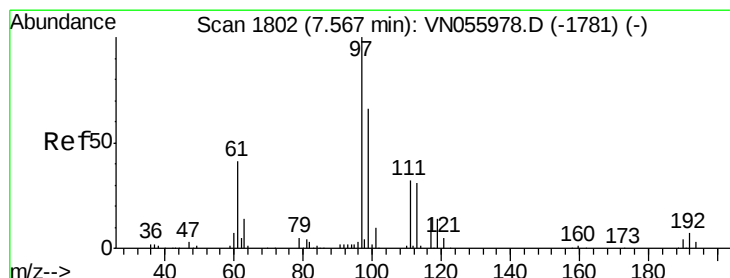
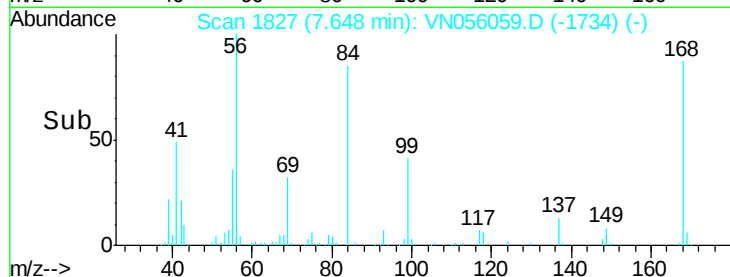
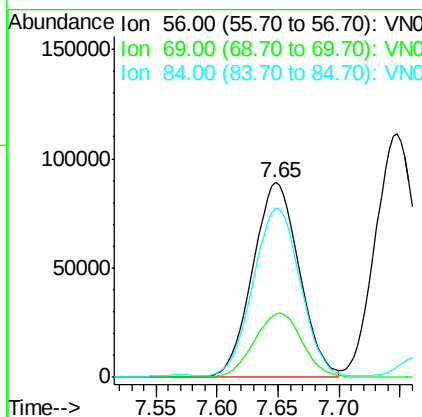
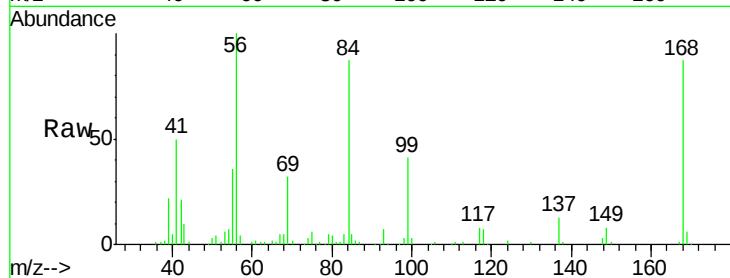
#31
Cyclohexane
Concen: 48.519 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.6	38.4
84	85.6	67.4	101.0

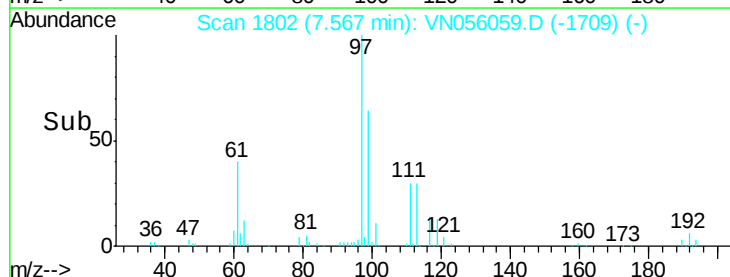
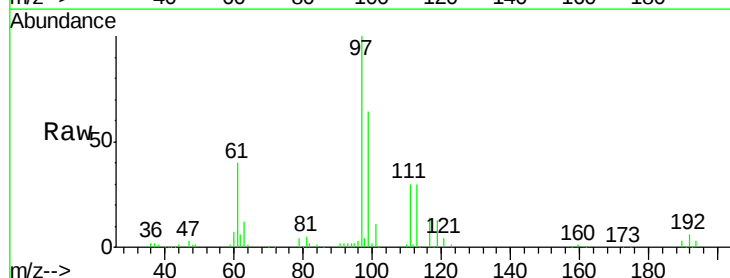
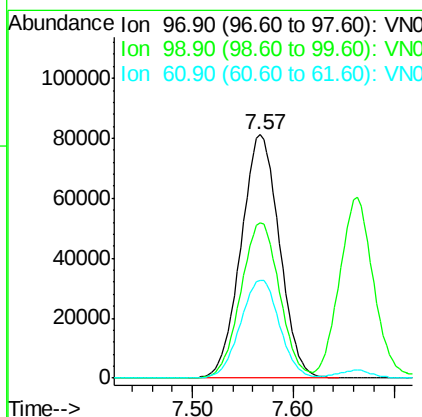
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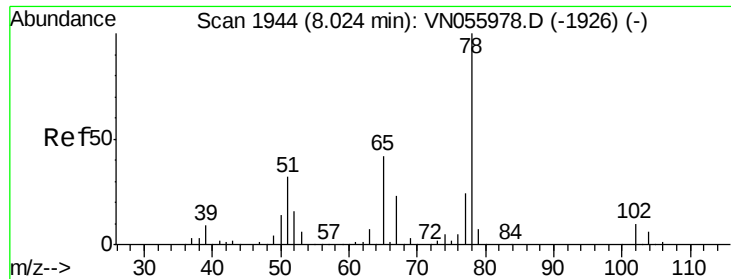
MMDadoda
6/7/2019 9:41:45 AM



#32
1,1,1-Trichloroethane
Concen: 52.343 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	40.8	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 52.049 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 159704

Ion Ratio Lower Upper

65 100

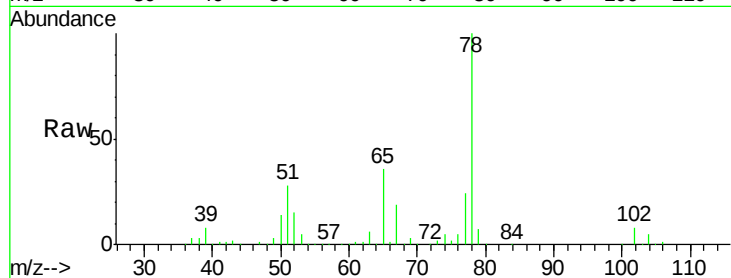
67 55.0 0.0 109.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

8.03

60000

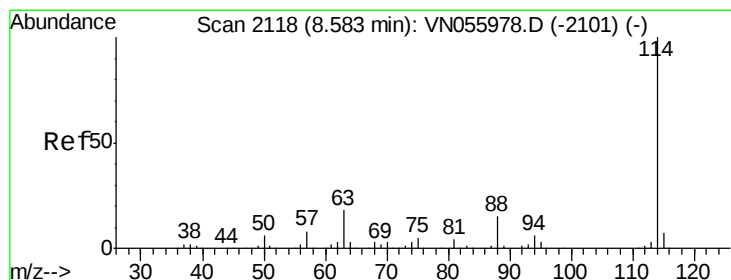
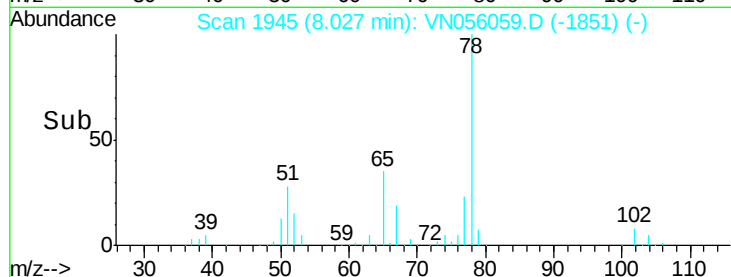
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

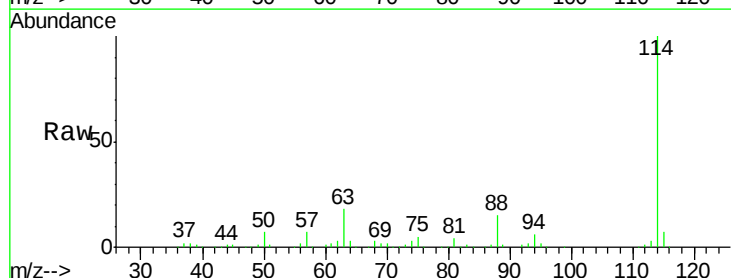
Tgt Ion: 114 Resp: 466494

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.2

88 14.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055978.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055978.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055978.D (-2101) (-)

8.58

300000

250000

200000

150000

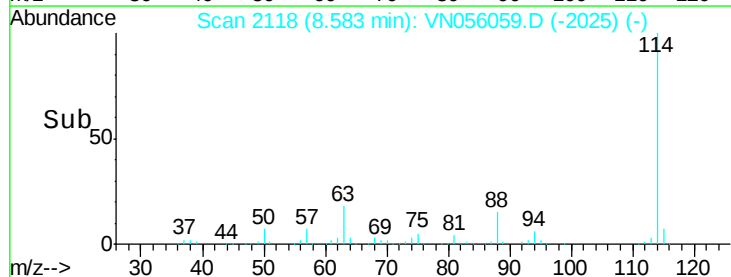
100000

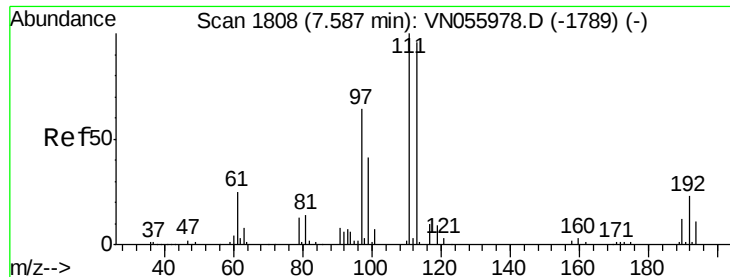
50000

0

8.50 8.60 8.70 8.80

Time-->





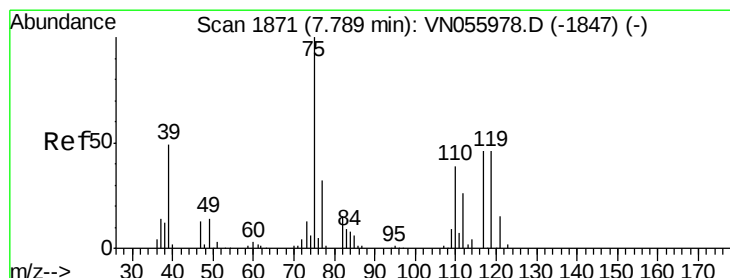
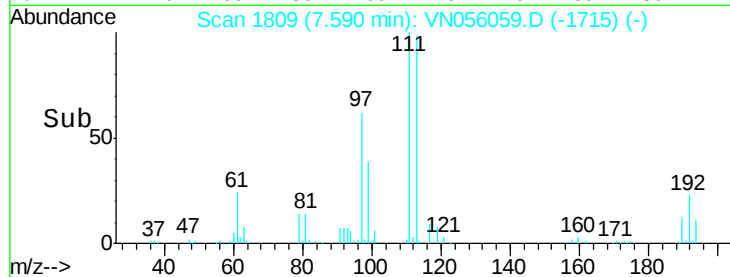
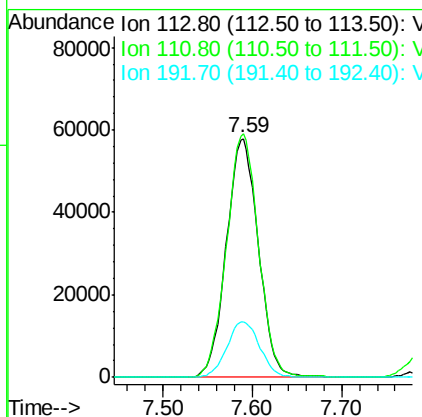
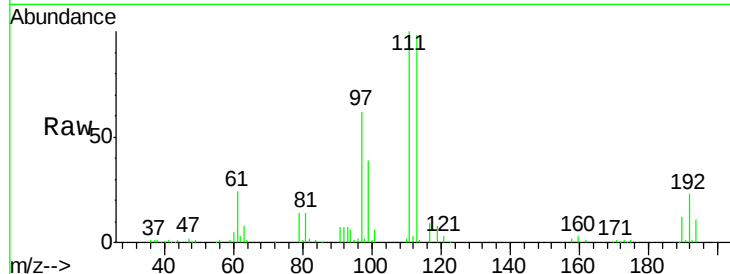
#35
 Dibromofluoromethane
 Concen: 50.442 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144369		
111	101.9	81.9	122.9	
192	23.9	19.5	29.3	

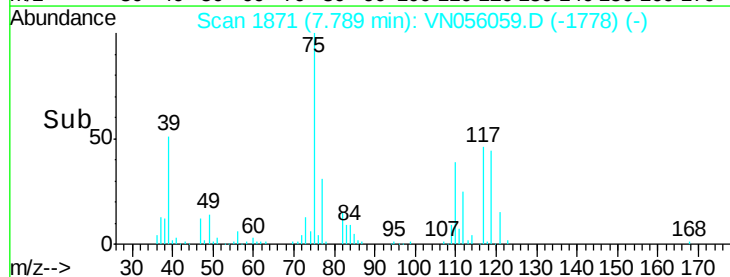
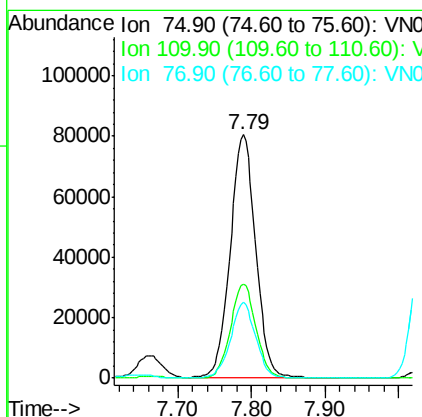
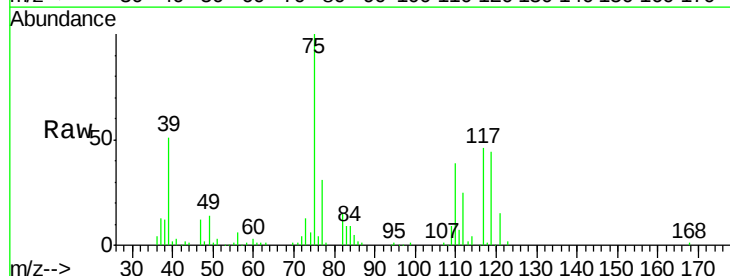
Manual Integrations
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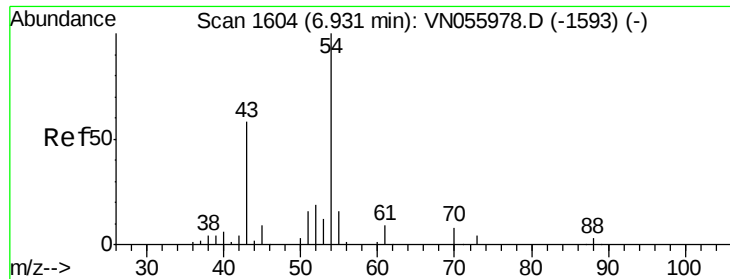
MMDadoda
 6/7/2019 9:41:45 AM



#36
 1,1-Dichloropropene
 Concen: 48.363 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193995		
110	38.3	19.0	57.0	
77	30.5	25.1	37.7	





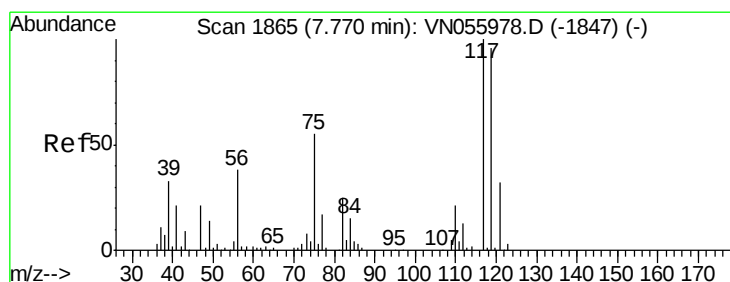
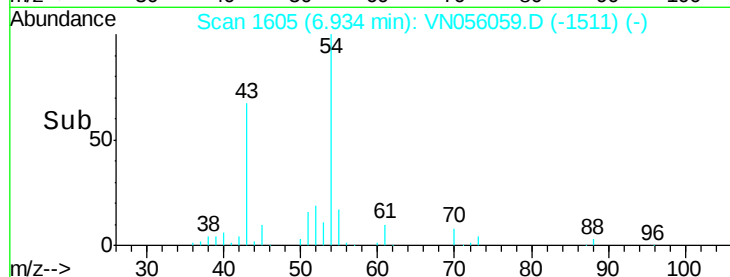
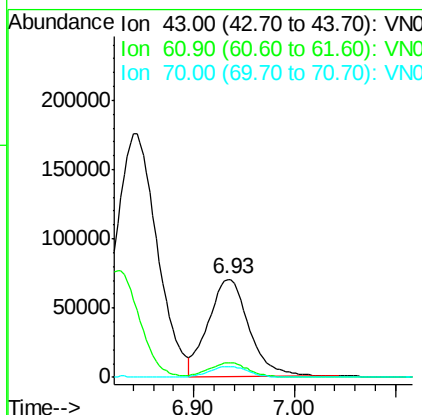
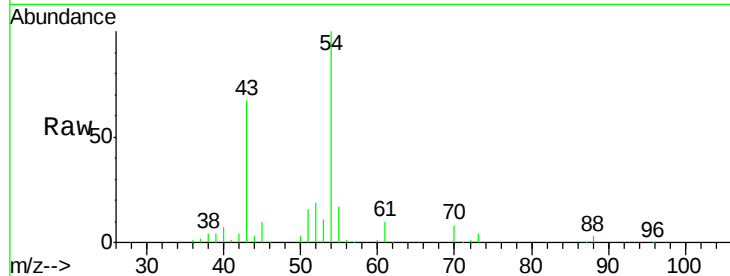
#37
Ethyl Acetate
Concen: 55.591 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.8	8.9	13.3

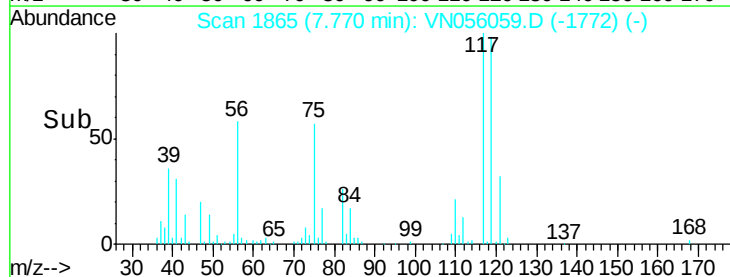
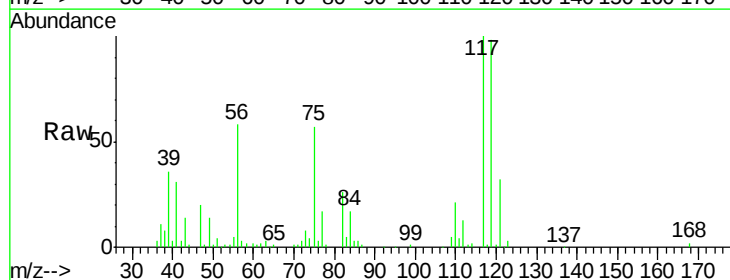
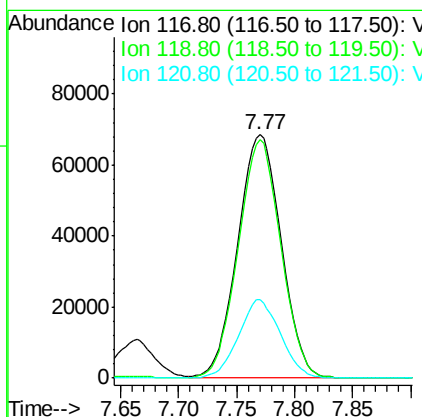
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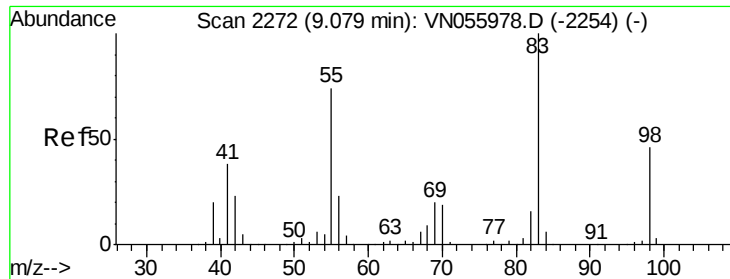
MMDadoda
6/7/2019 9:41:45 AM



#38
Carbon Tetrachloride
Concen: 48.136 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	79.0	118.6
121	32.4	24.7	37.1





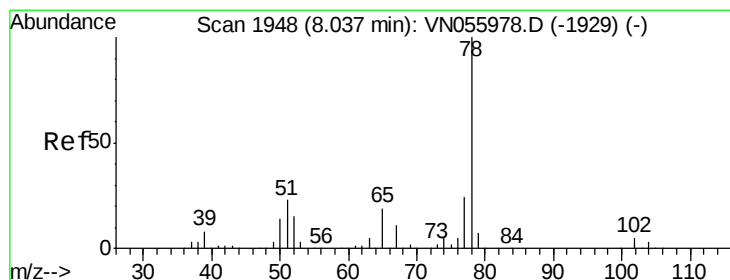
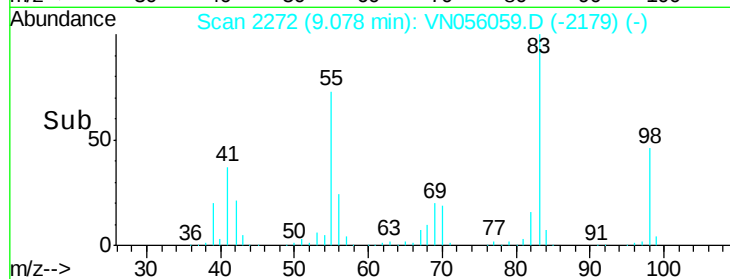
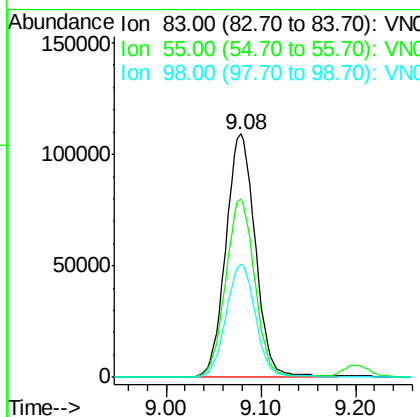
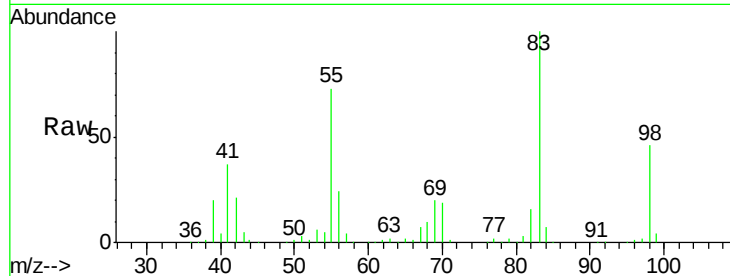
#39
Methvlcvclohexane
Concen: 47.486 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	59.3	88.9
98	46.2	36.6	54.8

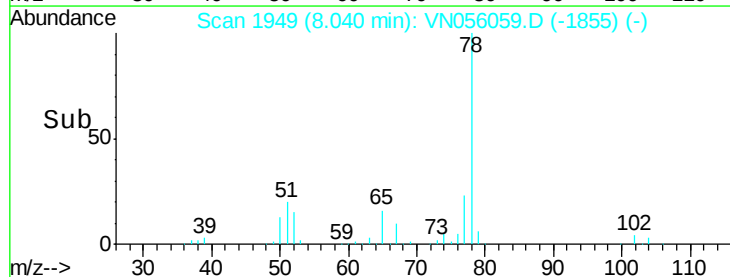
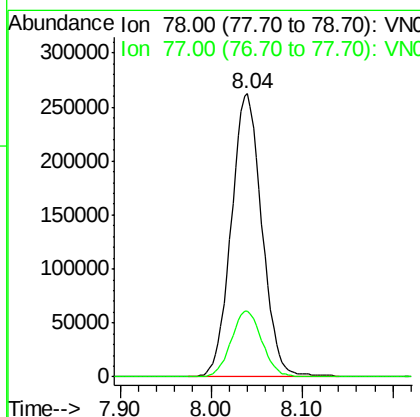
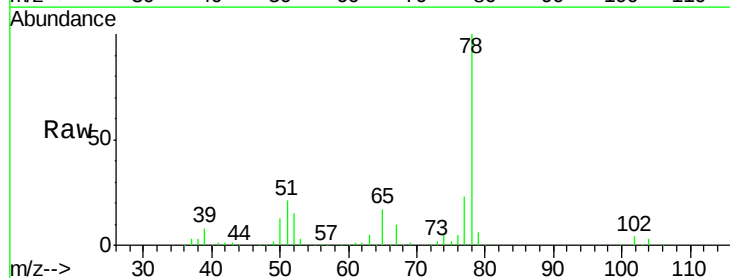
Manual Integrations
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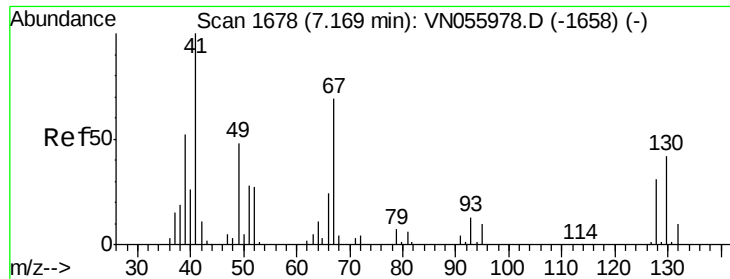
MMDadoda
6/7/2019 9:41:45 AM



#40
Benzene
Concen: 50.415 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





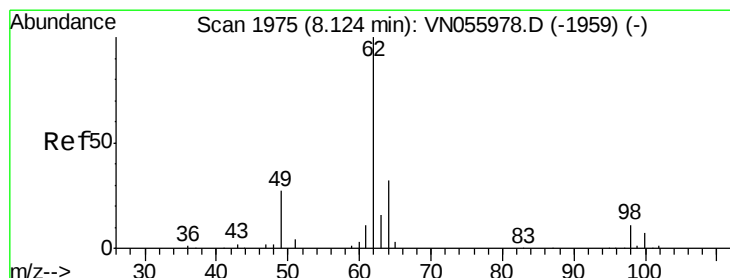
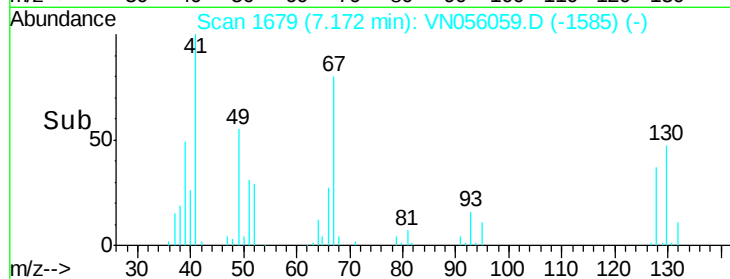
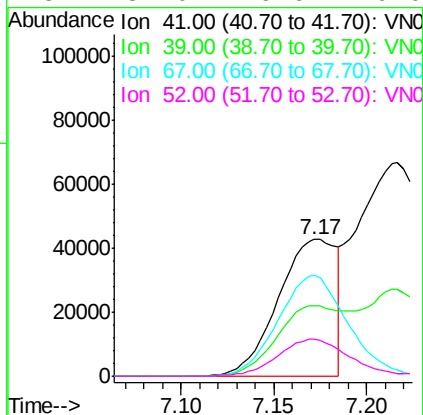
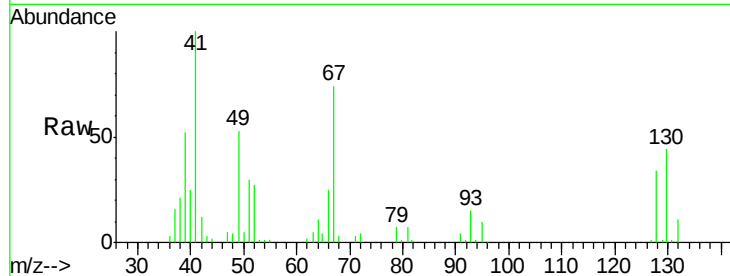
#41
Methacrylonitrile
Concen: 56.973 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	93554
Ion	Ratio	Lower	Upper
41	100		
39	60.4	45.6	68.4
67	88.9	67.7	101.5
52	34.0	26.6	40.0

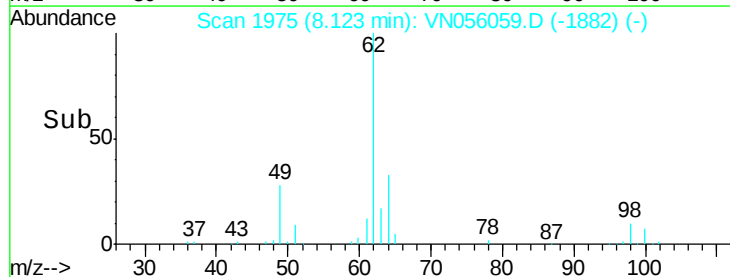
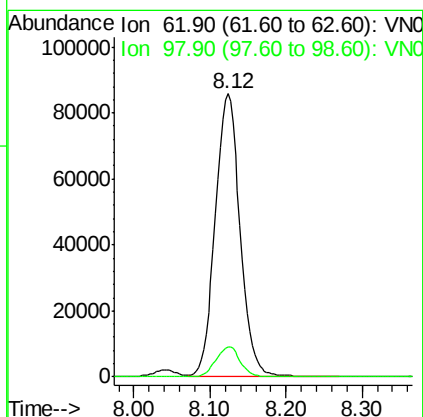
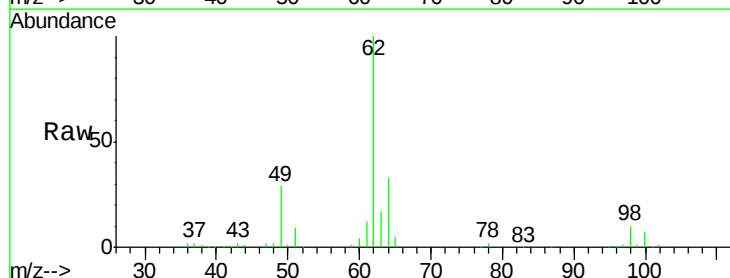
Manual Integrations
APPROVED

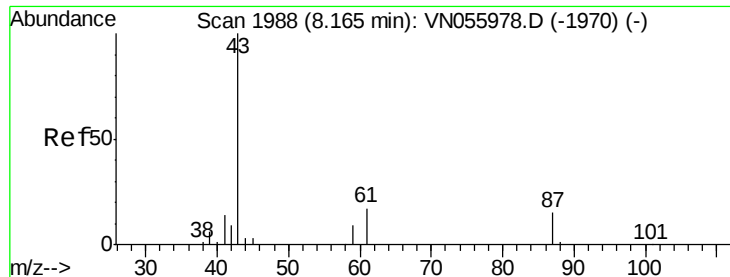
MMDadoda
6/7/2019 9:41:45 AM



#42
1,2-Dichloroethane
Concen: 49.783 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion:	62	Resp:	195091
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 52.880 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

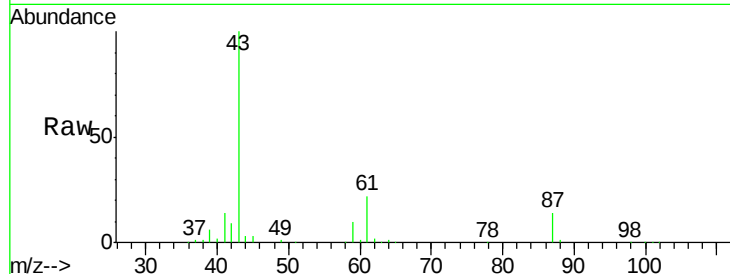
ClientSampleId :

VSTDCCC050

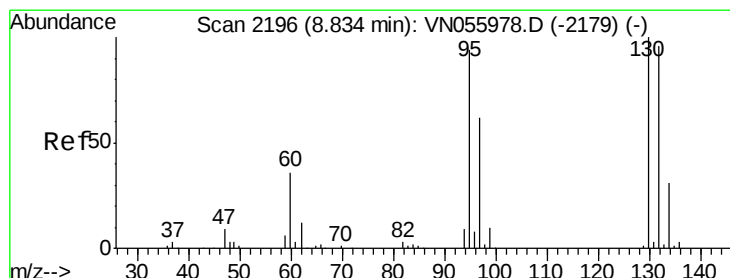
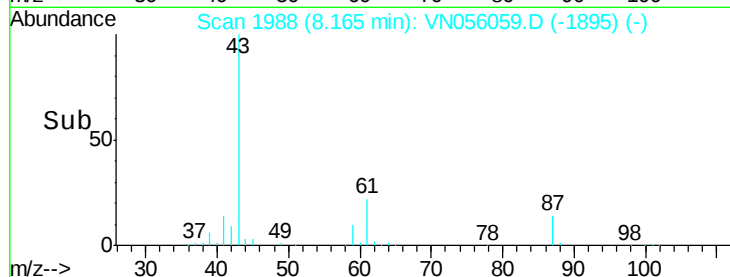
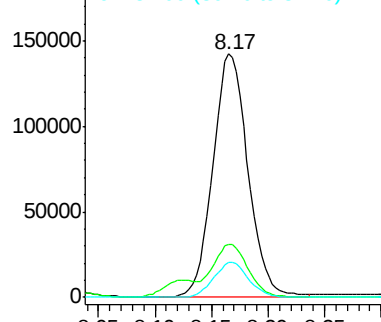
Tot Ion:	43	Resp:	305826
Ion	Ratio	Lower	Upper
43	100		
61	21.3	22.2	33.4#
87	14.4	11.4	17.2

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Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 47.803 ug/l

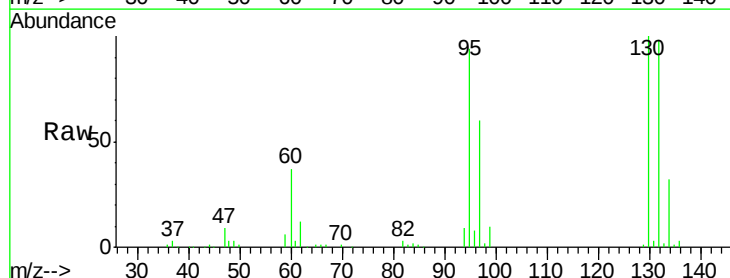
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

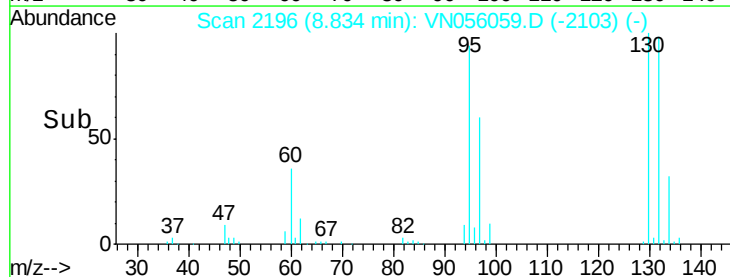
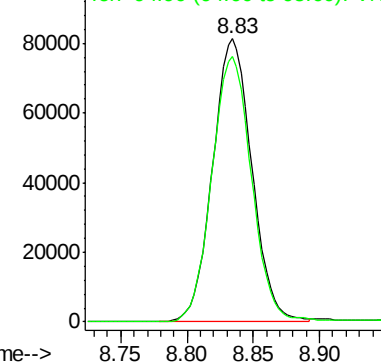
Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	130	Resp:	167347
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)





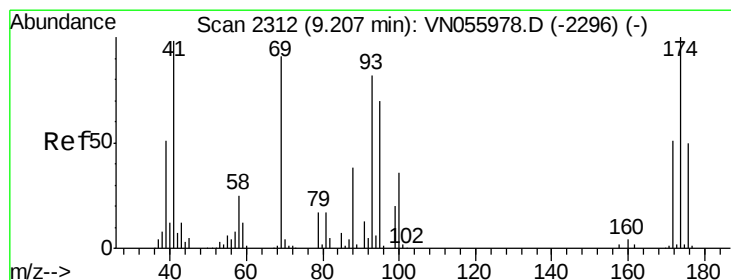
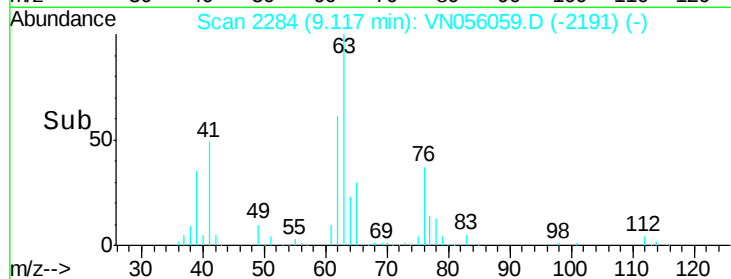
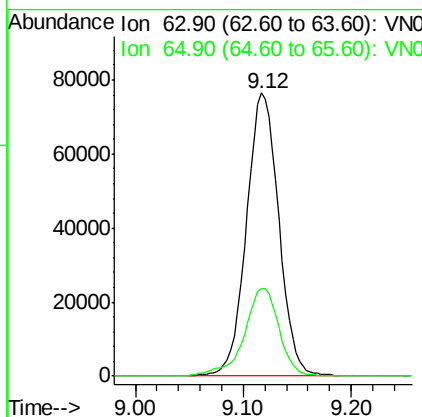
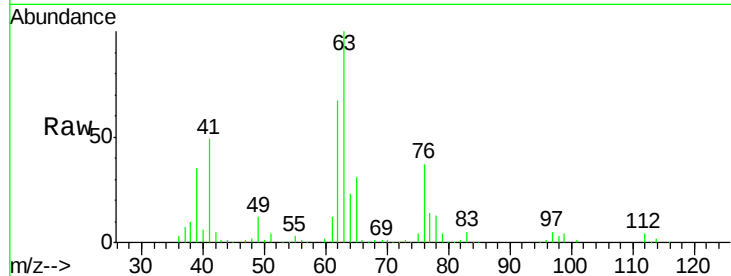
#45
 1,2-Dichloropropane
 Concen: 51.102 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159468
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

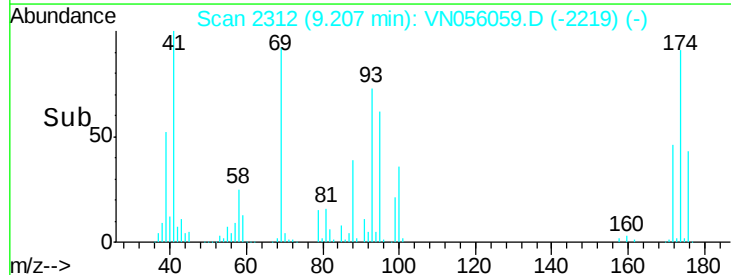
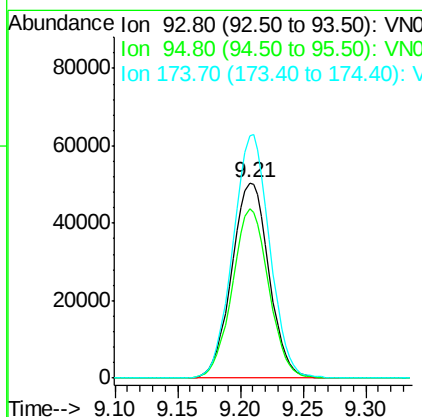
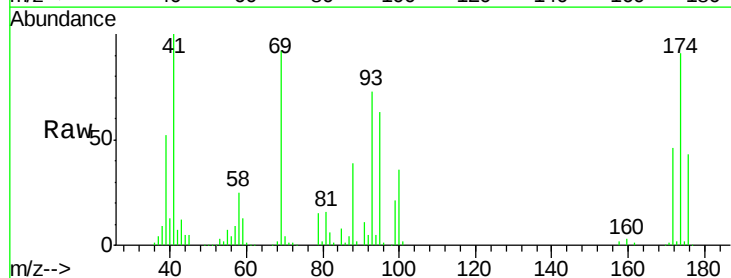
Manual Integrations
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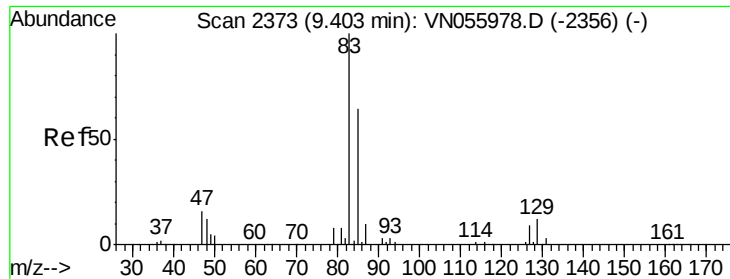
MMDadoda
 6/7/2019 9:41:45 AM



#46
 Dibromomethane
 Concen: 51.006 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion: 93 Resp: 104083
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.7 100.1
 174 123.4 96.4 144.6





#47

Bromodichloromethane

Concen: 50.797 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

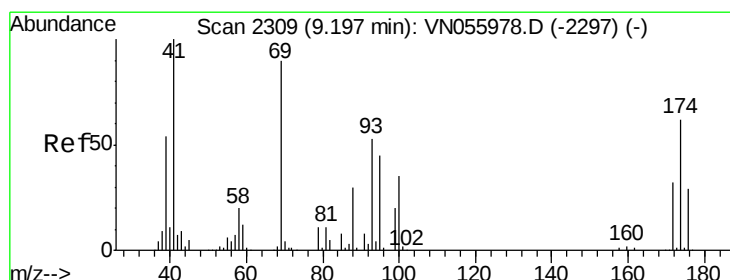
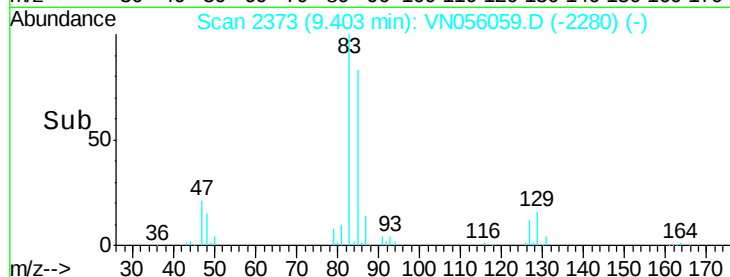
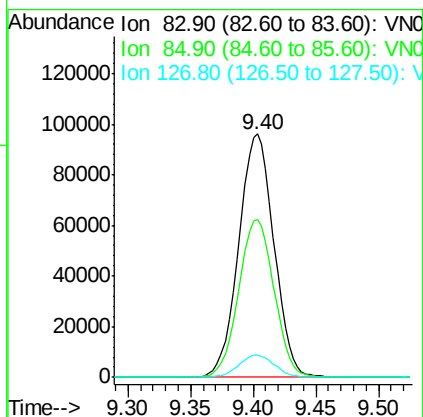
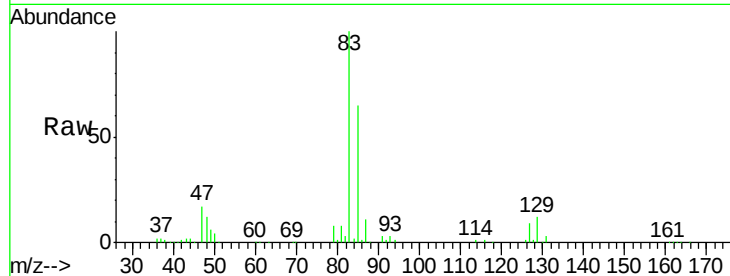
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187869
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 53.483 ug/l

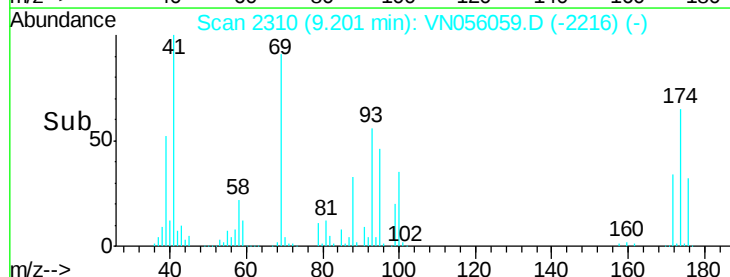
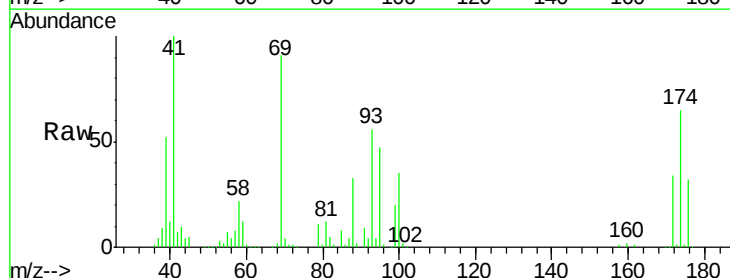
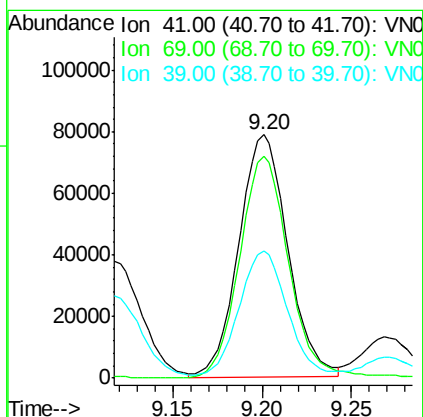
RT: 9.20 min Scan# 2310

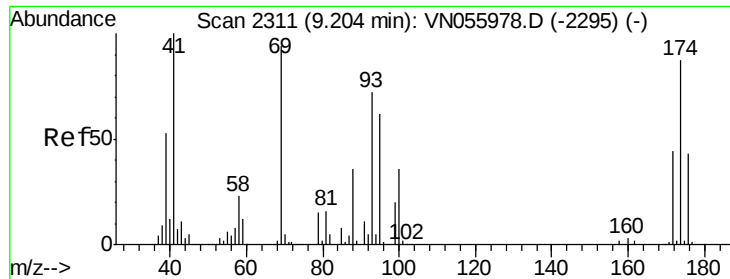
Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	41	Resp:	151326
Ion	Ratio	Lower	Upper
41	100		
69	91.5	71.0	106.6
39	52.0	44.2	66.2





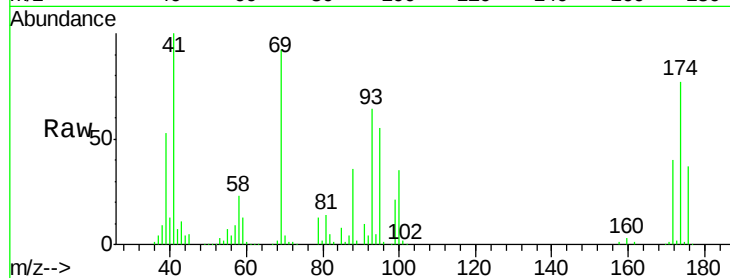
#49
1,4-Dioxane
Concen: 1080.923 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	66027
Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.5	30.7
58	67.8	55.8	83.6

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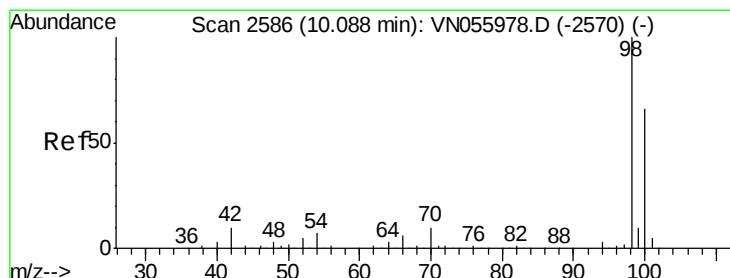
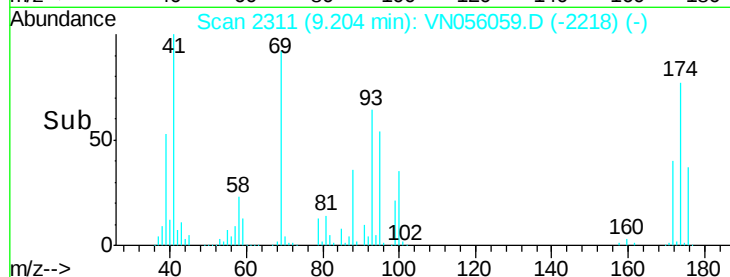
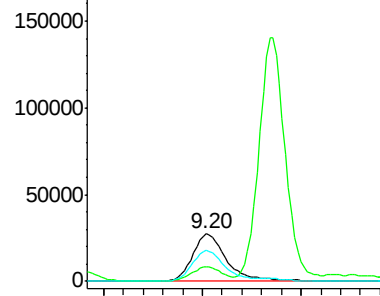
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Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

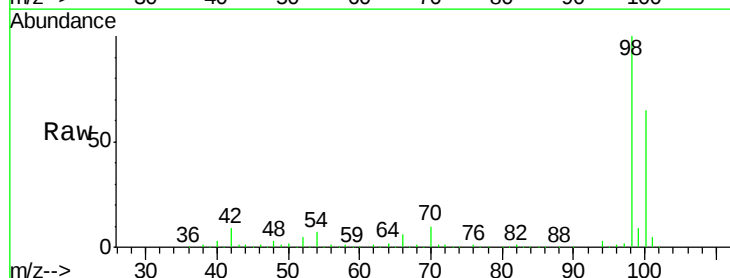
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



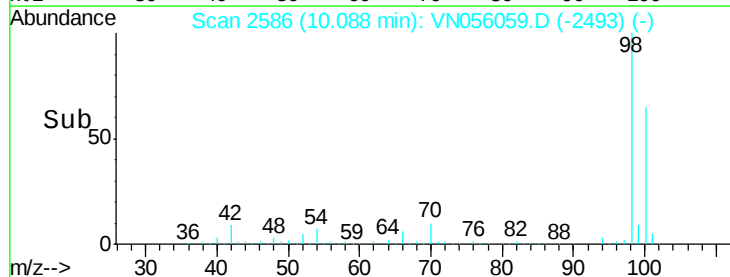
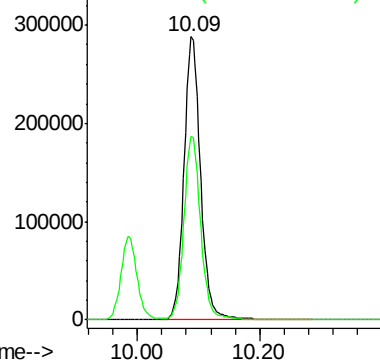
#50
Toluene-d8
Concen: 49.878 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	98	Resp	549320
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 272.481 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 985476

Ion Ratio Lower Upper

43 100

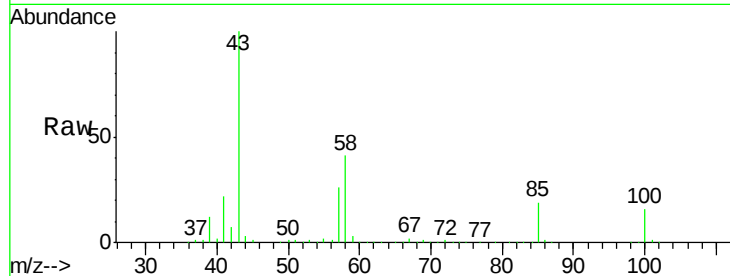
58 40.4 32.1 48.1

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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

500000

400000

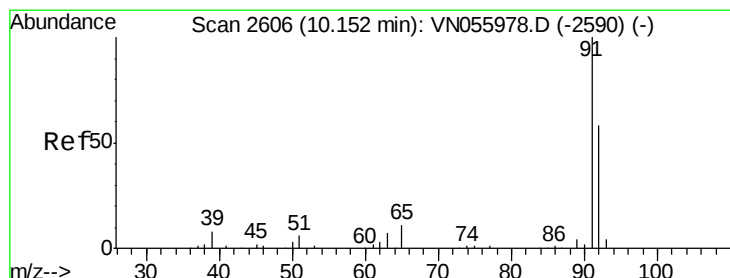
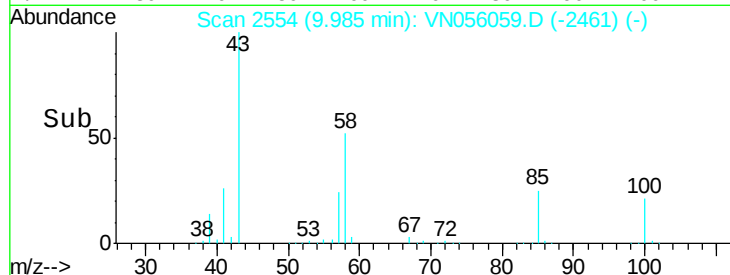
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.727 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056059.D

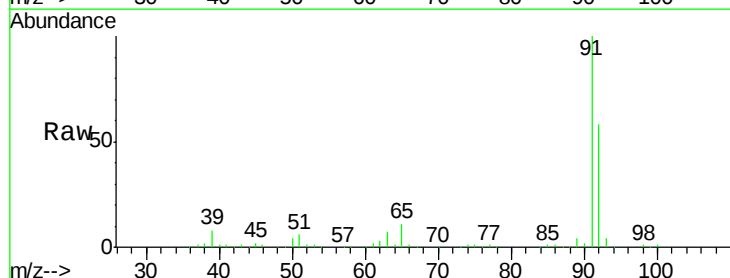
Acq: 6 Jun 2019 21:12

Tgt Ion: 92 Resp: 384562

Ion Ratio Lower Upper

92 100

91 174.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

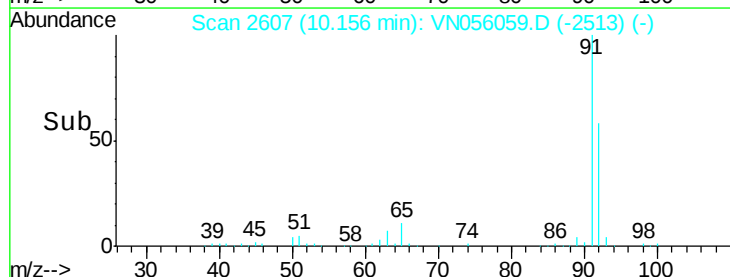
300000

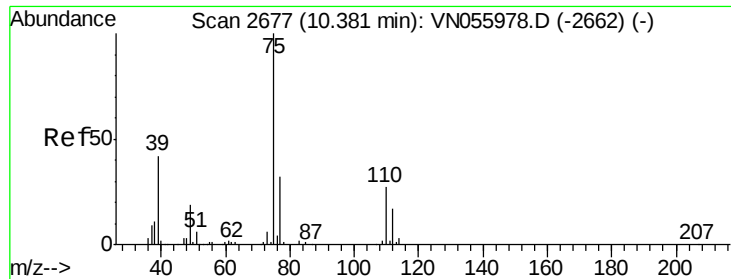
200000

100000

0

Time-->





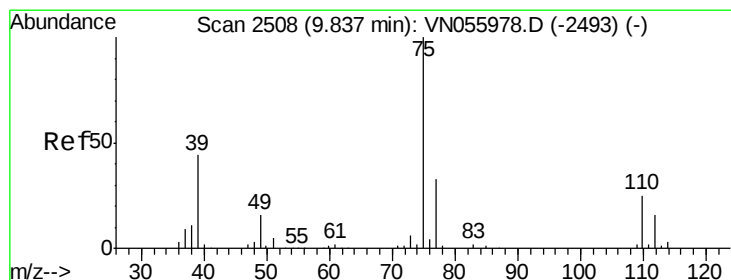
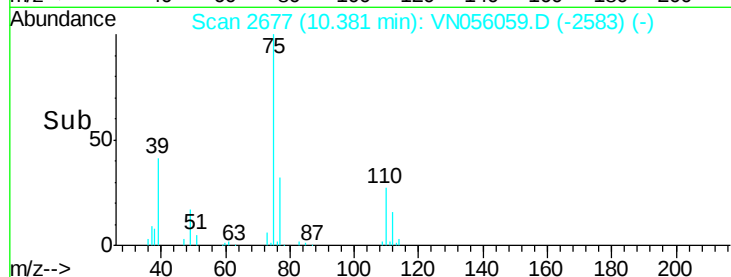
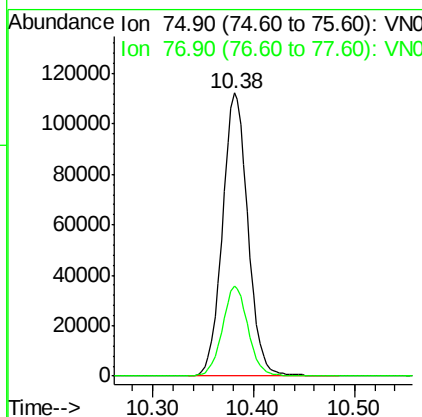
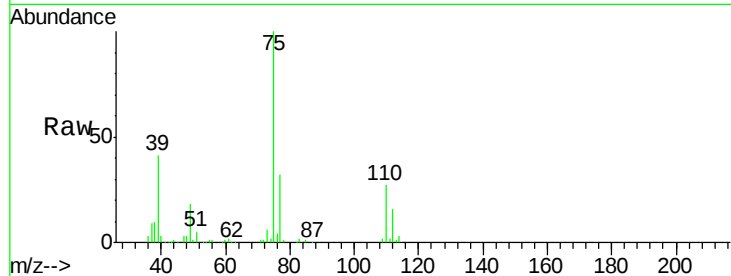
#53
t-1,3-Dichloropropene
Concen: 45.821 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 197774
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6

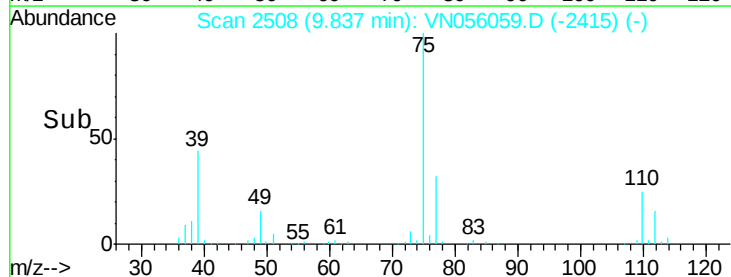
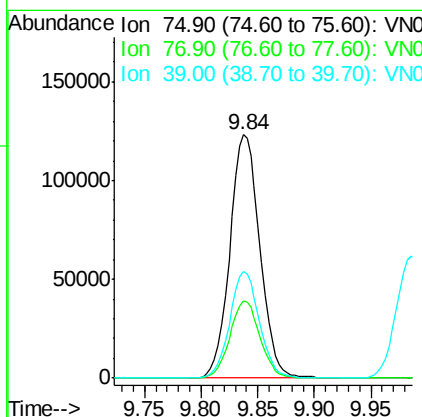
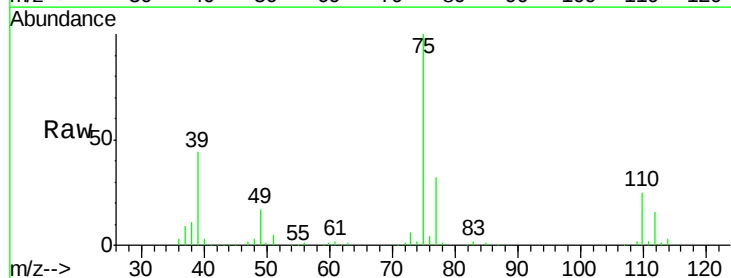
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#54
cis-1,3-Dichloropropene
Concen: 51.173 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 75 Resp: 227492
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 43.6 36.3 54.5





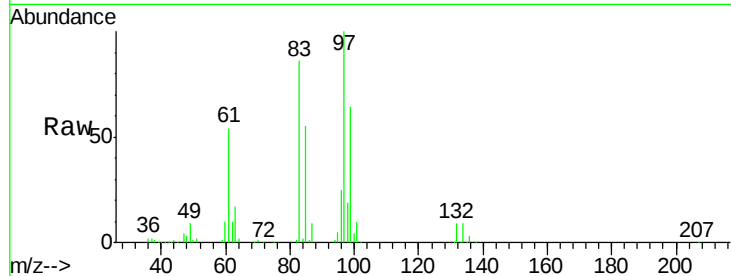
#55
 1,1,2-Trichloroethane
 Concen: 52.055 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	156317
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.0	100.6
85	55.3	44.0	66.0
99	63.7	50.6	75.8

Manual Integrations
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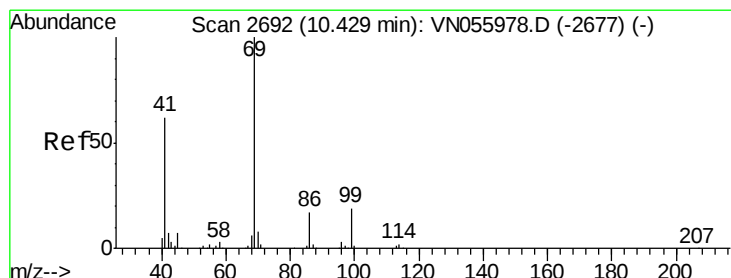
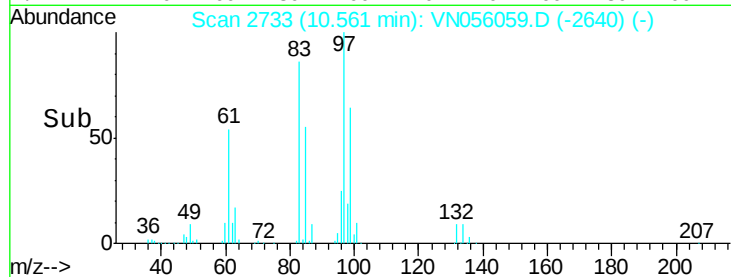
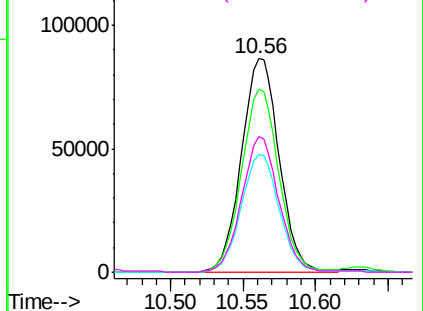


Abundance Ion 96.90 (96.60 to 97.60): VN056059.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN056059.D (-2640) (-)

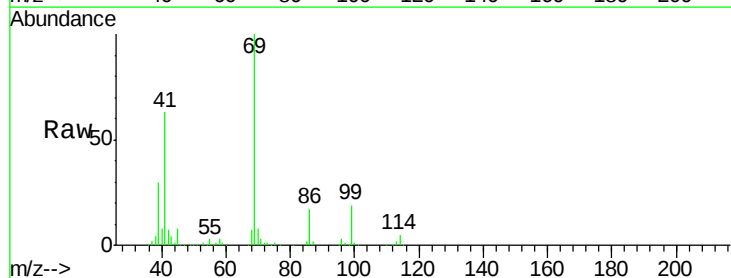
Ion 84.90 (84.60 to 85.60): VN056059.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN056059.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 53.560 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

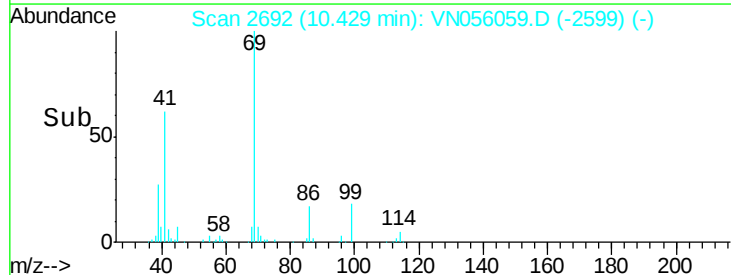
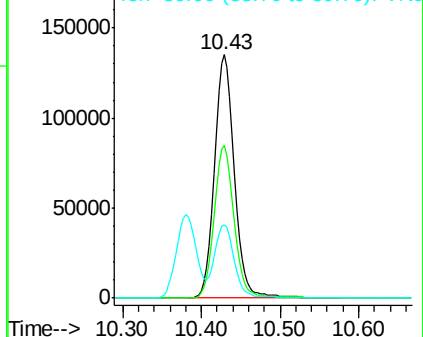
Tgt Ion:	69	Resp:	234642
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.7	74.5
39	29.6	24.7	37.1

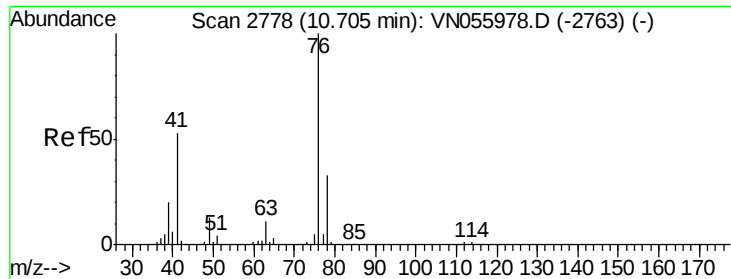


Abundance Ion 69.00 (68.70 to 69.70): VN056059.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN056059.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN056059.D (-2599) (-)





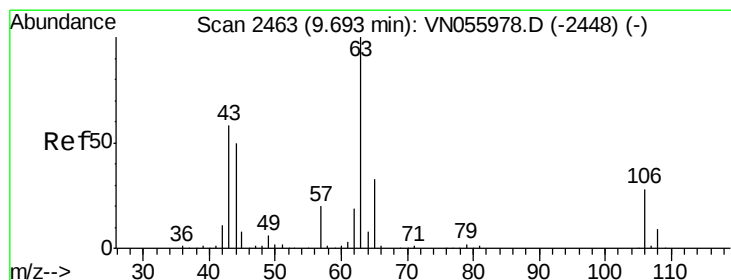
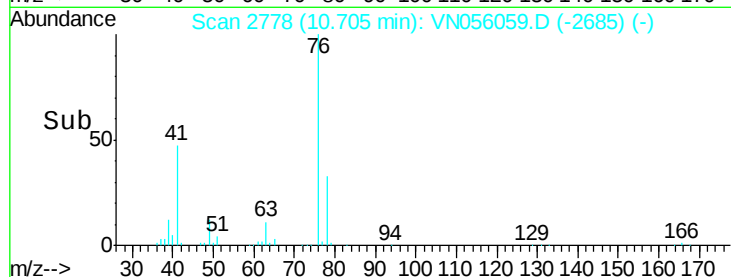
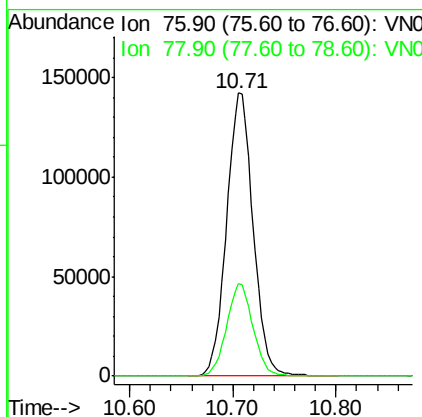
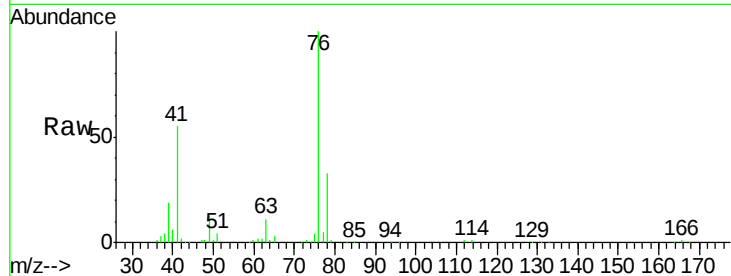
#57
 1,3-Dichloropropane
 Concen: 52.176 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 254709
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

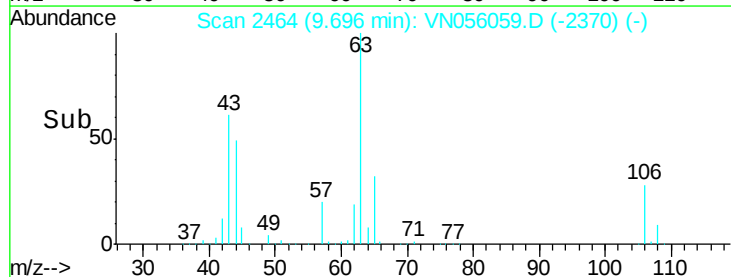
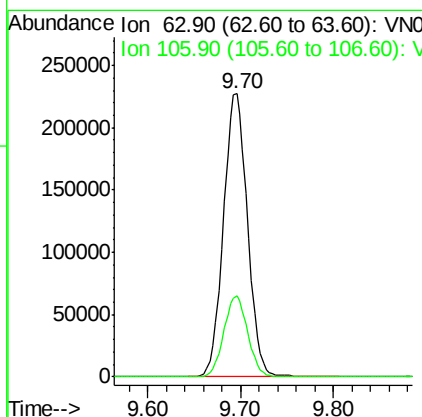
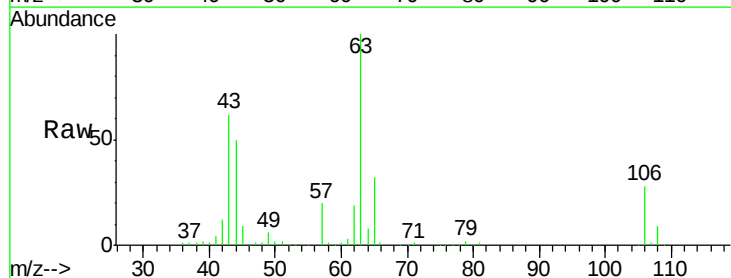
Manual Integrations
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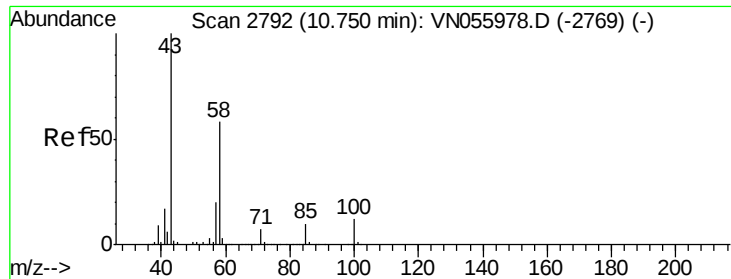
MMDadoda
 6/7/2019 9:41:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.628 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion: 63 Resp: 407703
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.7 34.1





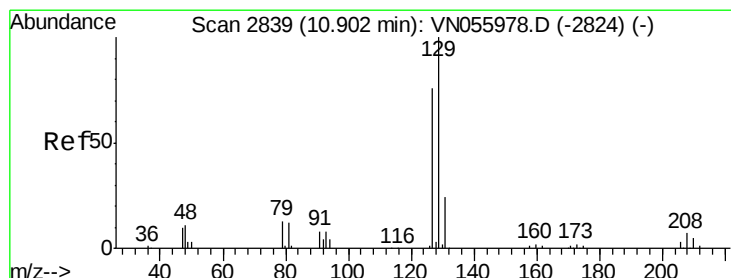
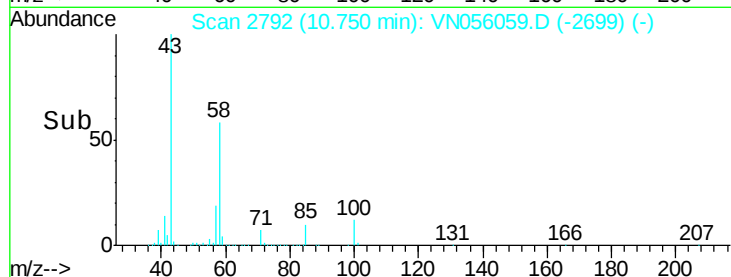
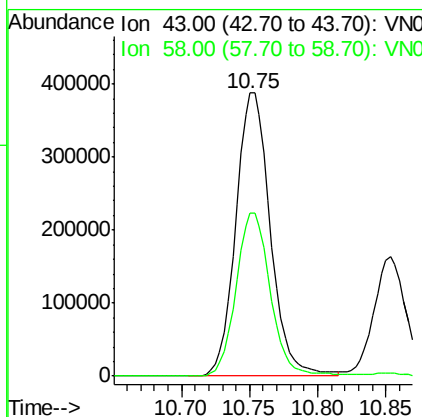
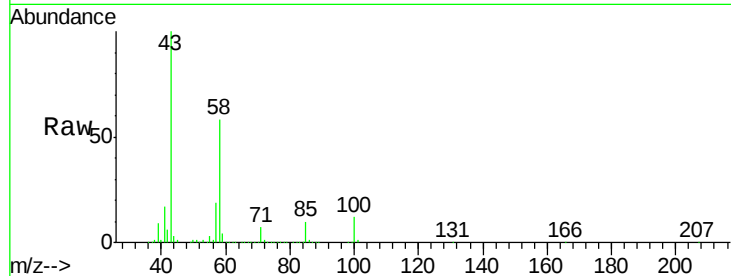
#59
2-Hexanone
Concen: 259.539 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 680326
Ion Ratio Lower Upper
43 100
58 57.5 28.2 84.7

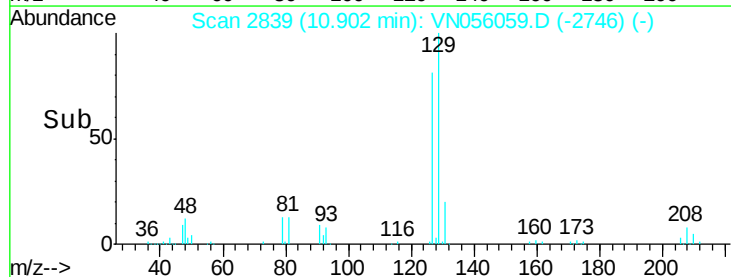
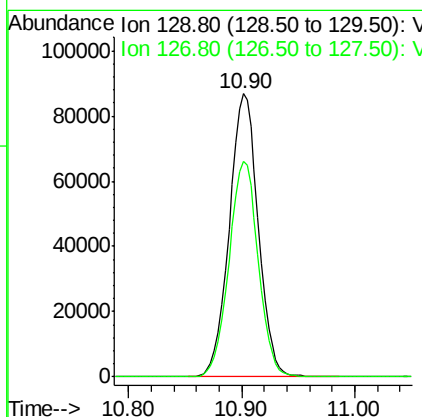
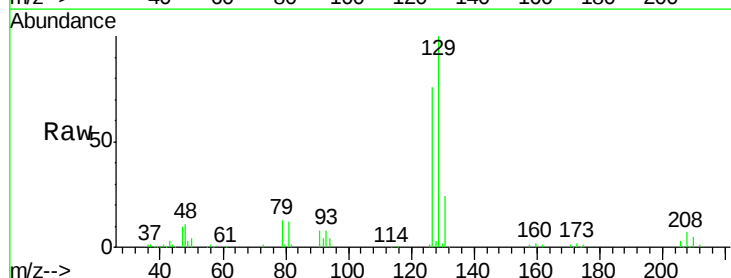
Manual Integrations
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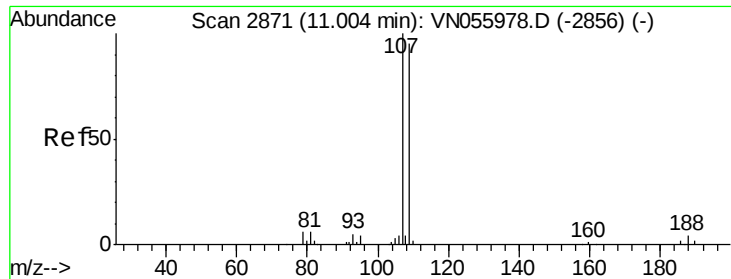
MMDadoda
6/7/2019 9:41:45 AM



#60
Dibromochloromethane
Concen: 46.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 129 Resp: 154240
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





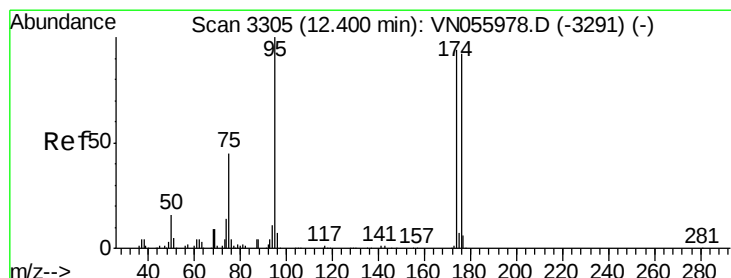
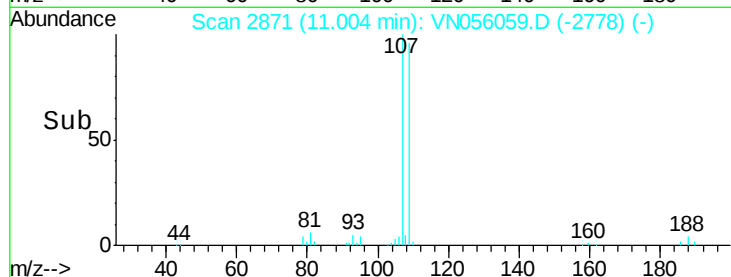
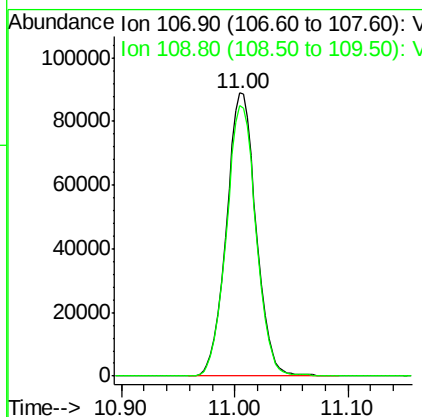
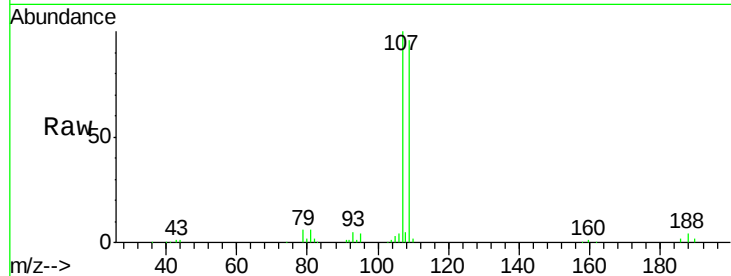
#61
 1,2-Dibromoethane
 Concen: 52.689 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.8	112.2

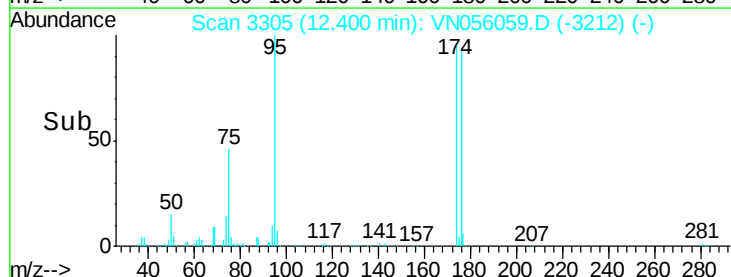
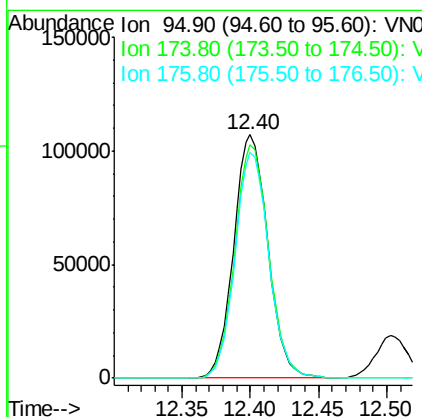
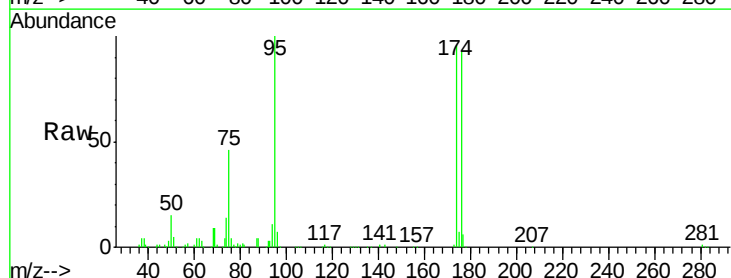
Manual Integrations
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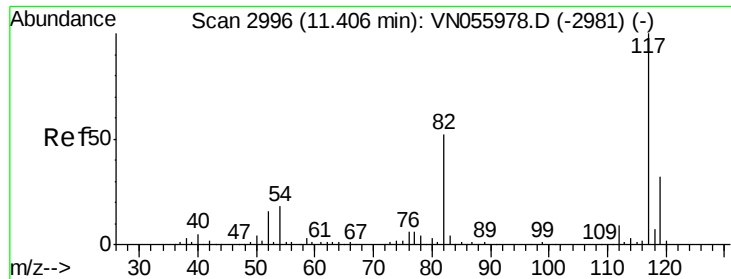
MMDadoda
 6/7/2019 9:41:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.735 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	191.0
176	91.6	0.0	185.2





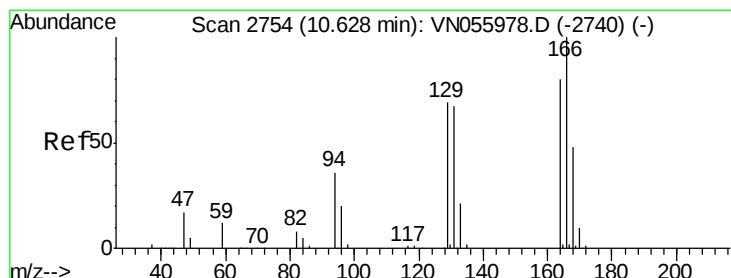
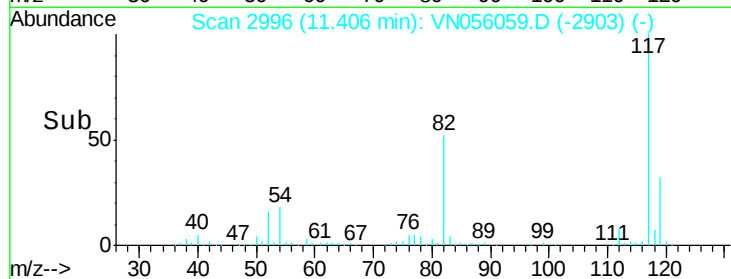
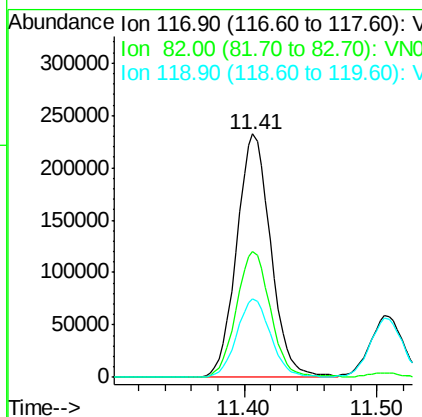
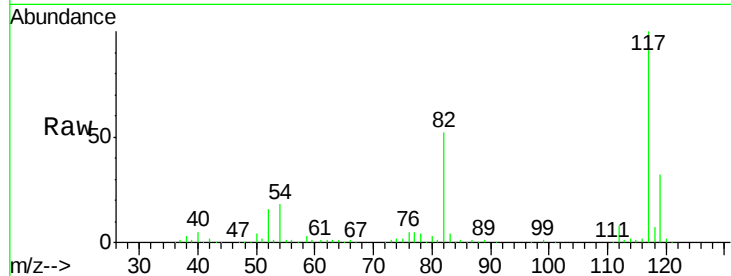
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.4	25.4	38.0

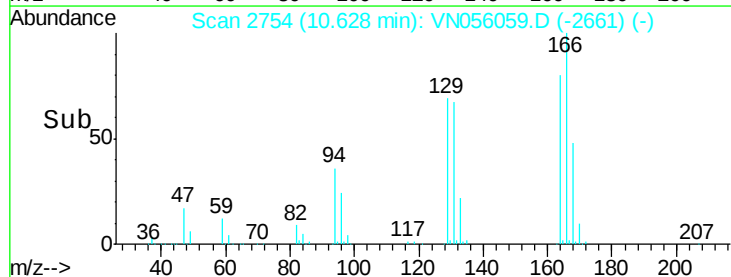
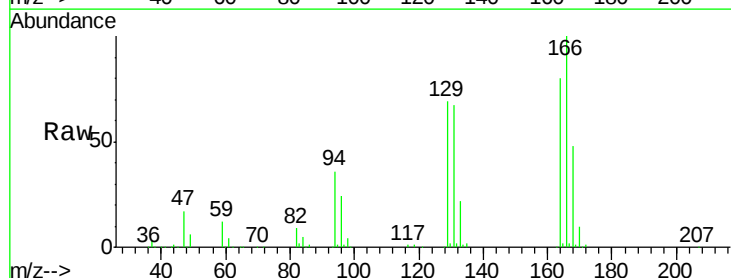
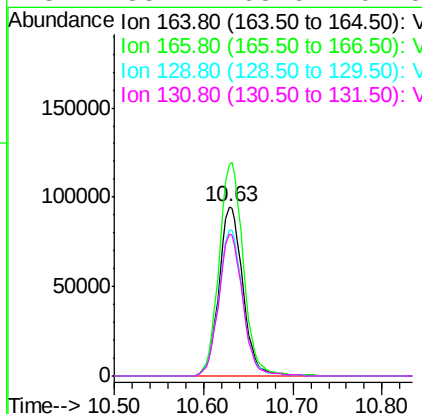
Manual Integrations
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#64
Tetrachloroethene
Concen: 48.960 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.0	154.6
129	85.9	70.6	105.8
131	83.7	68.6	102.8





#65

Chlorobenzene

Concen: 50.148 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 413628

Ion Ratio Lower Upper

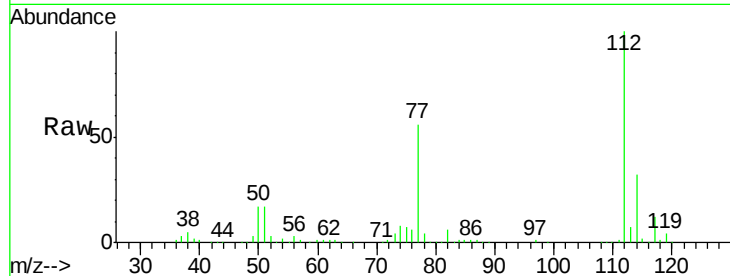
112 100

114 32.0 26.2 39.4

Manual Integrations
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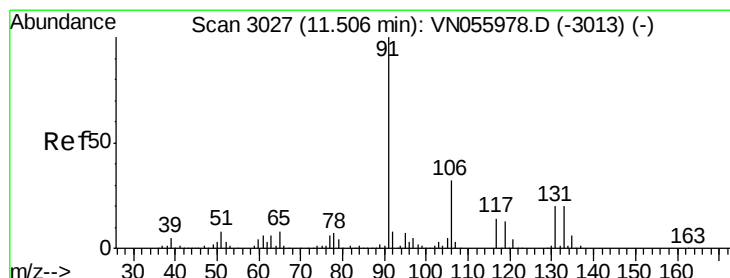
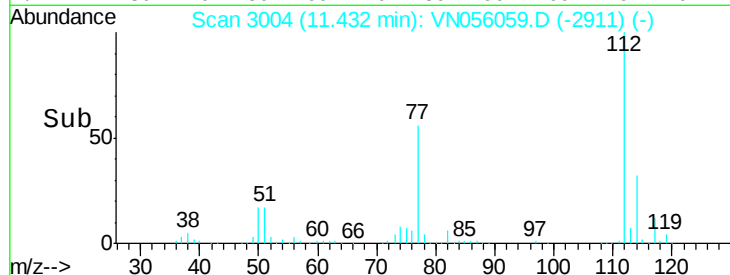
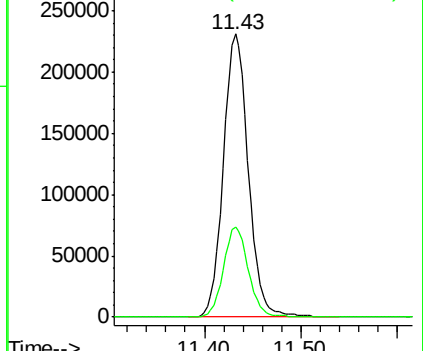
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.371 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

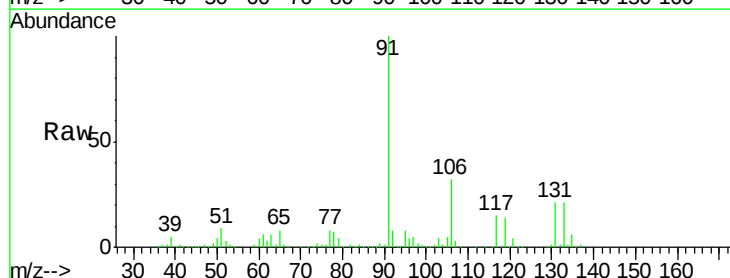
Tgt Ion:131 Resp: 149152

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

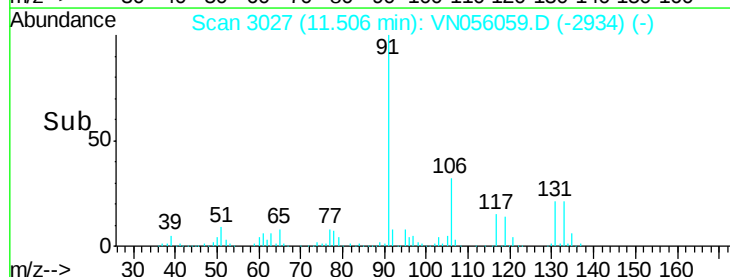
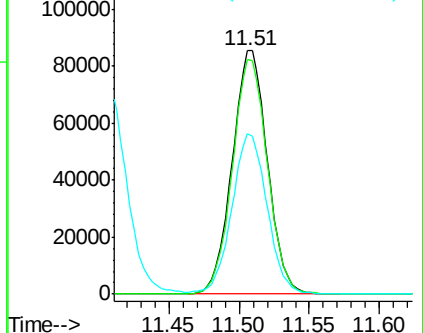
119 66.0 33.1 99.5

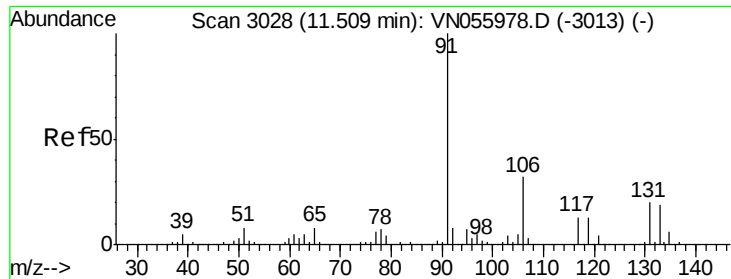


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





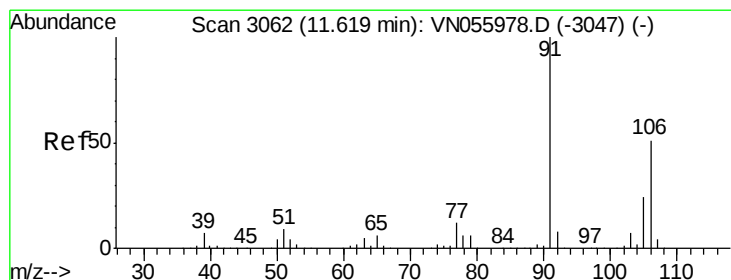
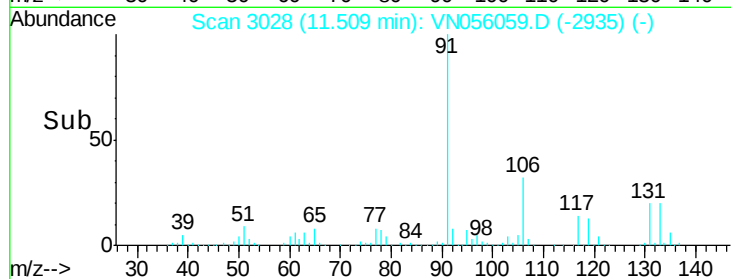
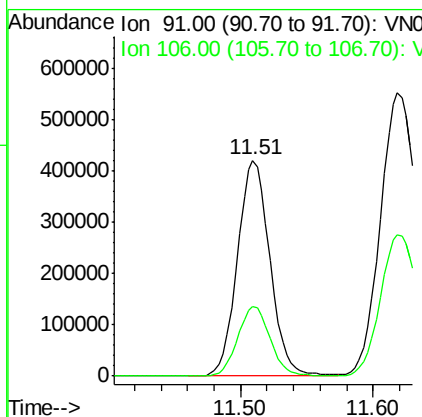
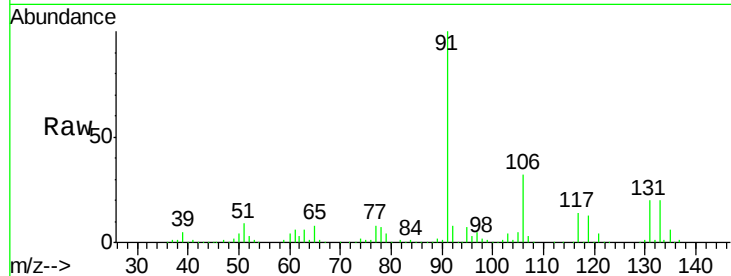
#67
Ethyl Benzene
Concen: 49.993 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 717008
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

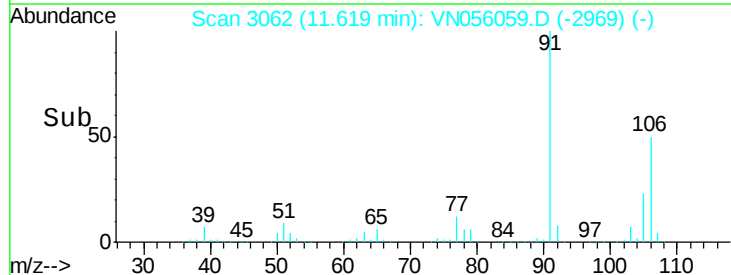
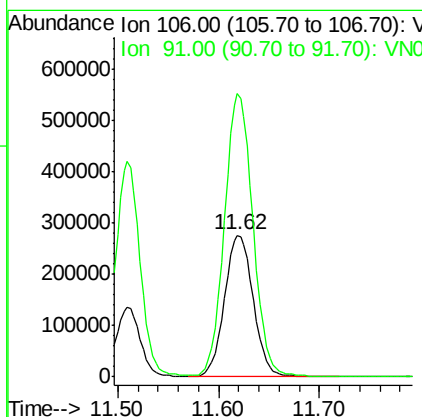
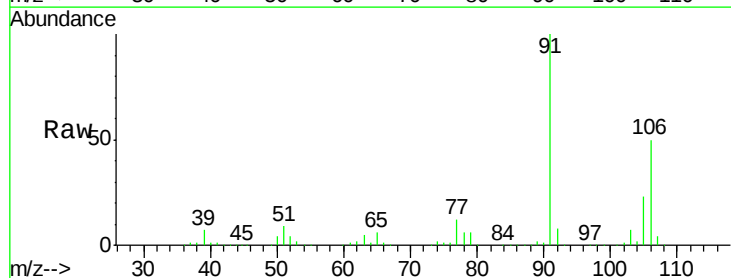
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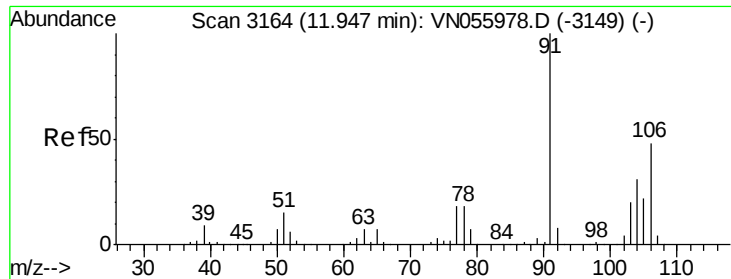
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#68
m/p-Xylenes
Concen: 100.365 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 106 Resp: 549888
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





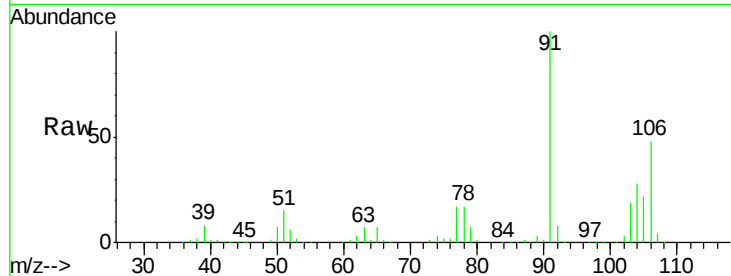
#69
o-Xylene
Concen: 50.120 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

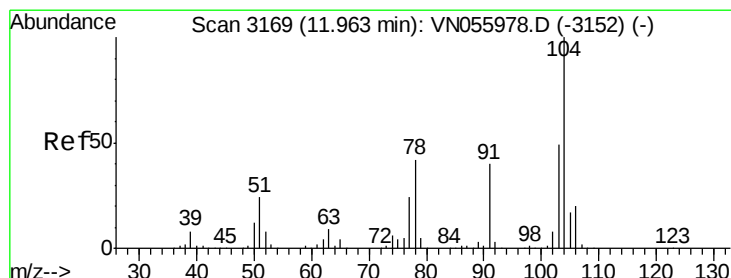
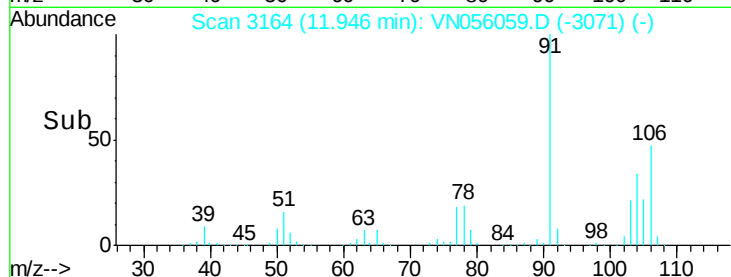
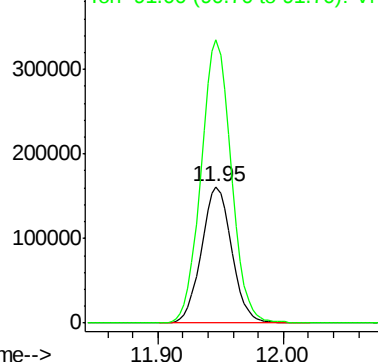
Tot Ion:106 Resp: 270116
Ion Ratio Lower Upper
106 100
91 207.2 104.7 314.1

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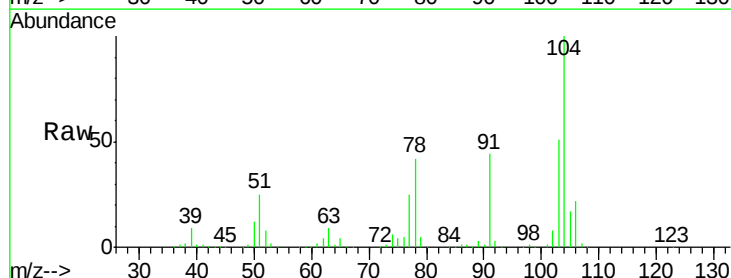


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

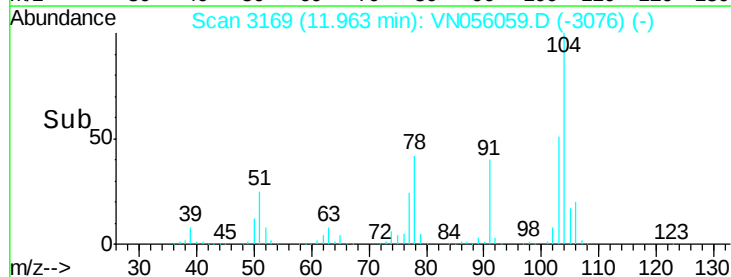
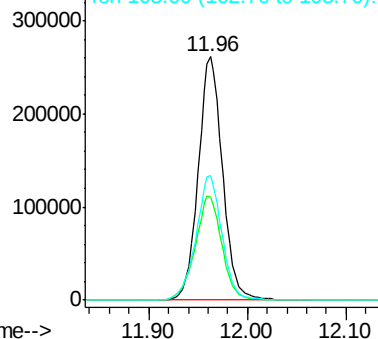


#70
Styrene
Concen: 52.555 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion:104 Resp: 450029
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 54.8 44.2 66.2



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





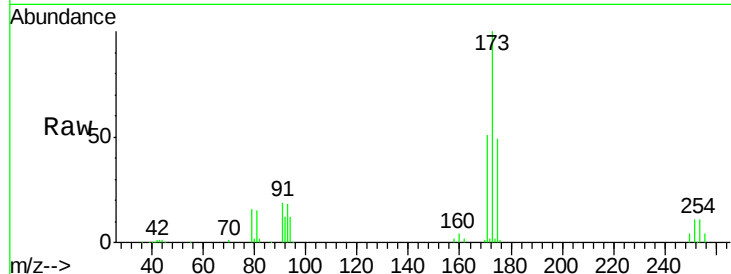
#71
Bromoform
Concen: 46.087 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

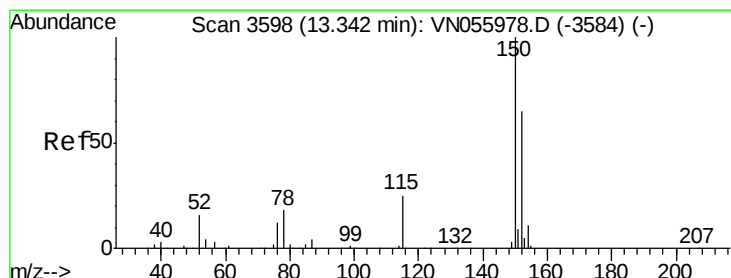
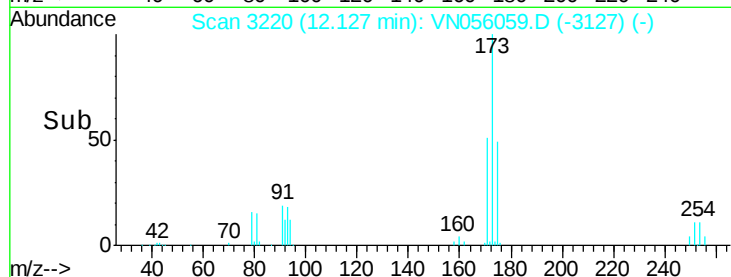
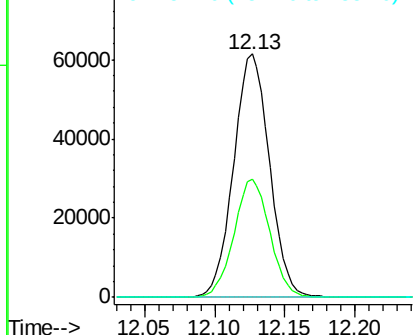
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.0	0.0

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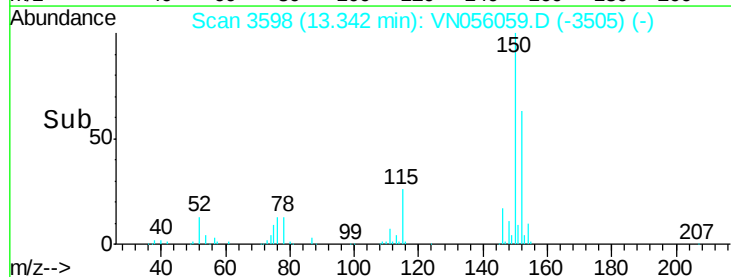
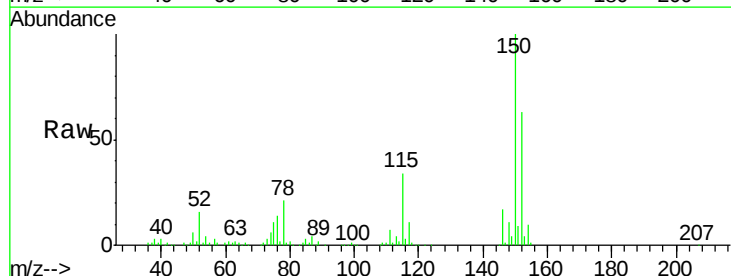
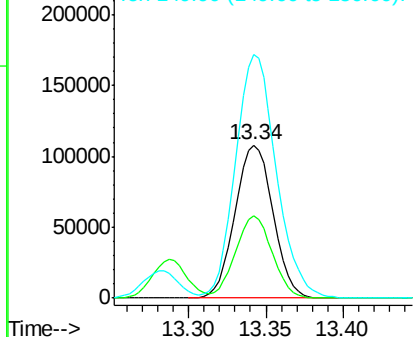
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.1	27.0	81.0
150	170.6	0.0	343.2

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: 54.158 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 708629

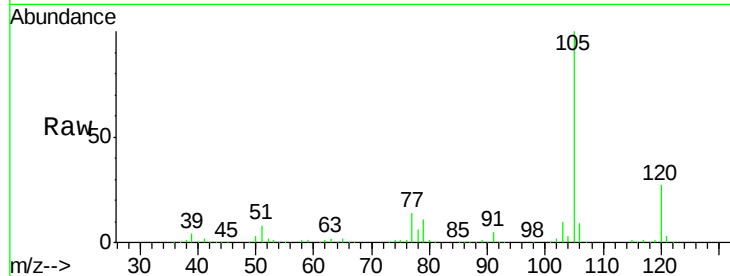
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7

Manual Integrations
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MMDadoda
6/7/2019 9:41:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

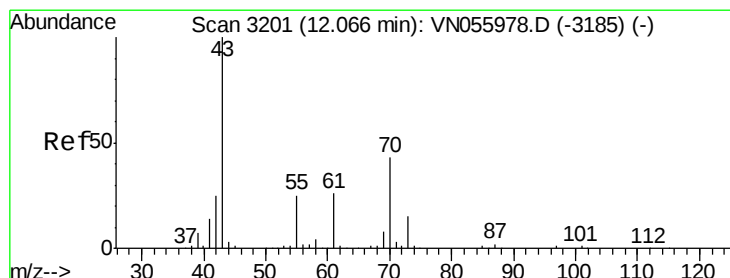
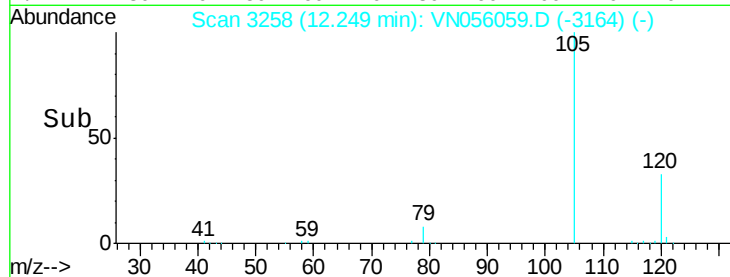
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.121 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion: 43 Resp: 251078

Ion Ratio Lower Upper

43 100

70 44.0 34.0 51.0

55 25.0 18.6 28.0

61 25.1 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

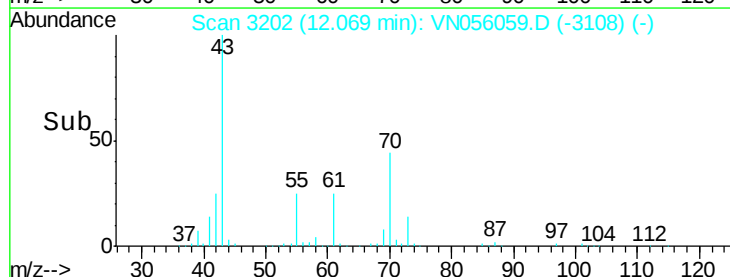
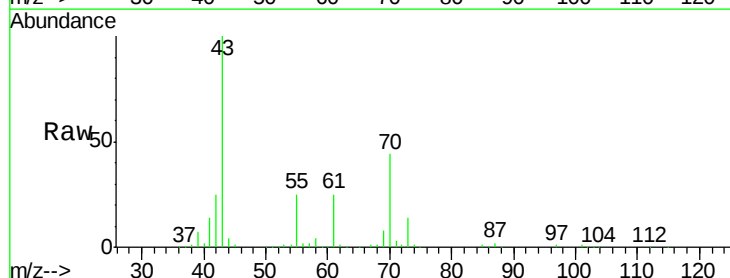
150000

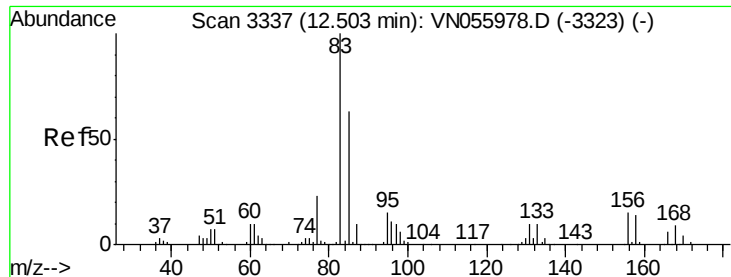
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.035 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

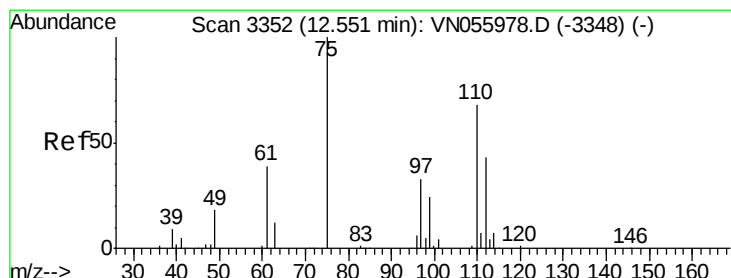
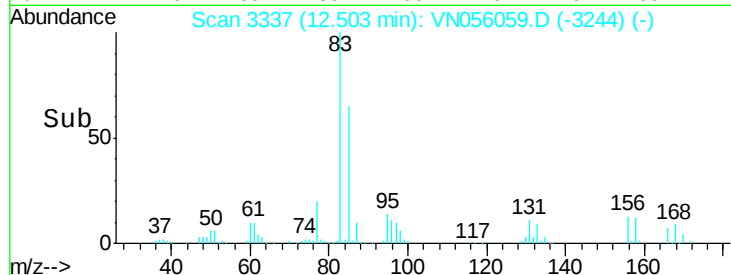
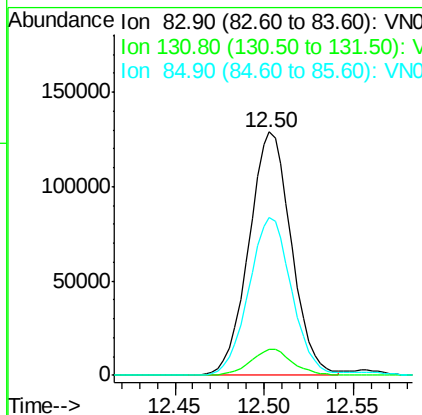
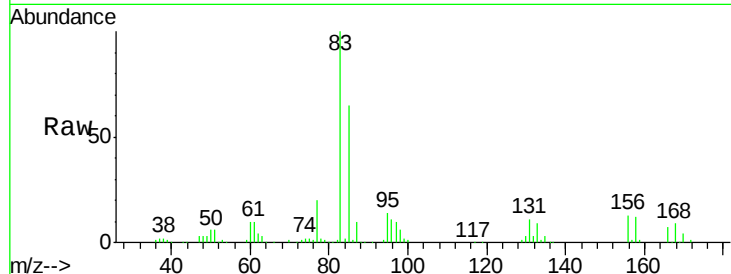
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	214013
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 50.986 ug/l m

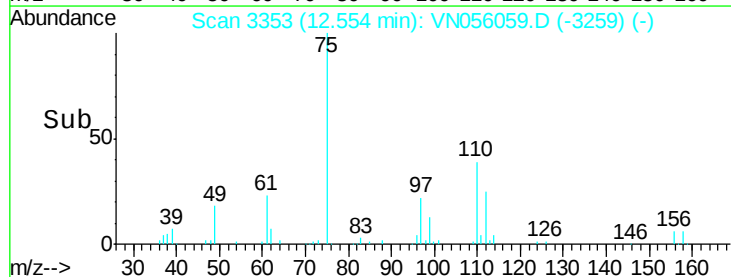
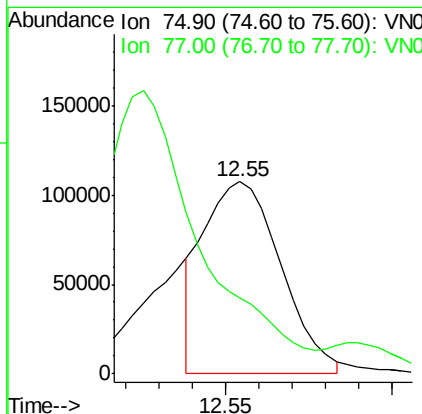
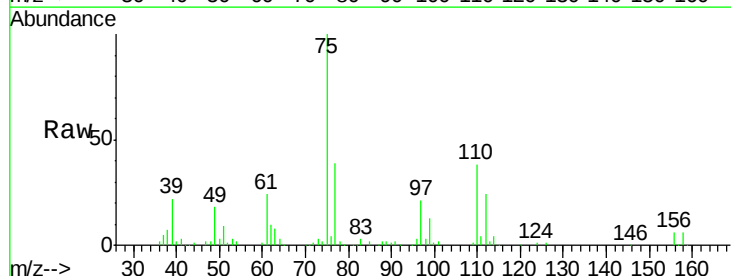
RT: 12.55 min Scan# 3353

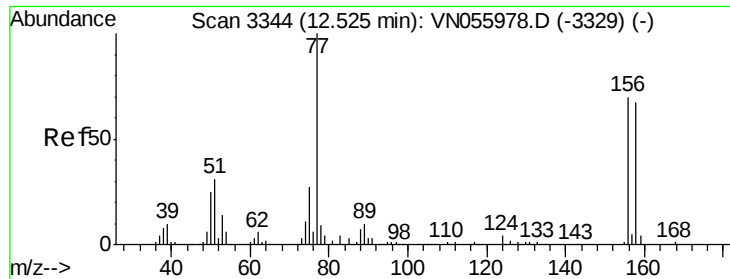
Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	75	Resp:	172856
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





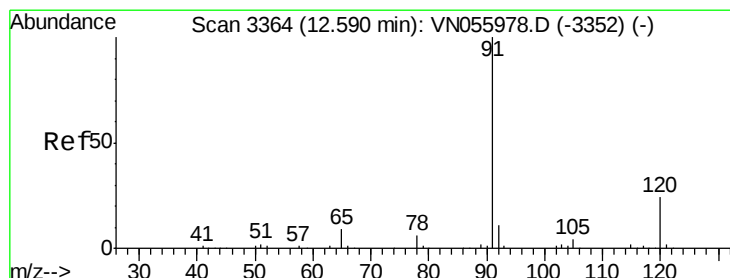
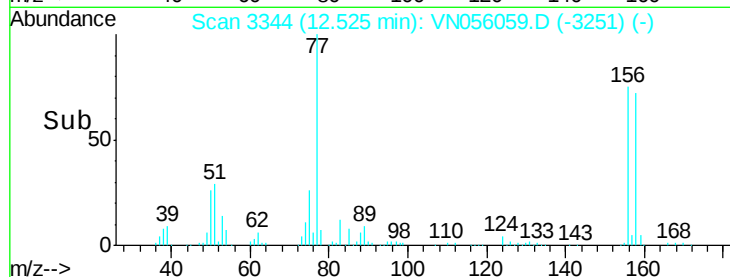
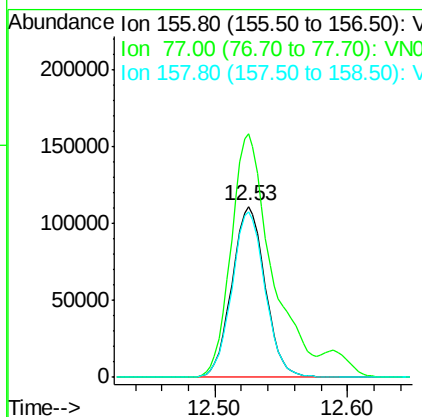
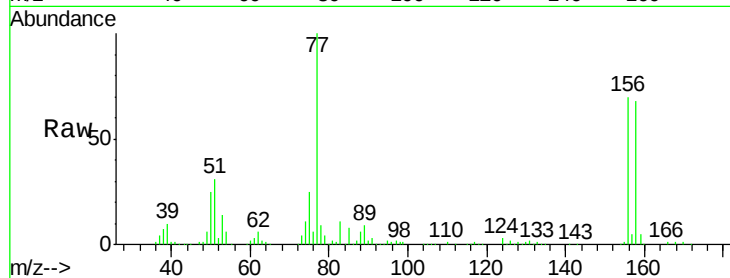
#77
Bromobenzene
Concen: 49.030 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	173.3	90.8	272.5	
158	96.7	49.3	147.8	

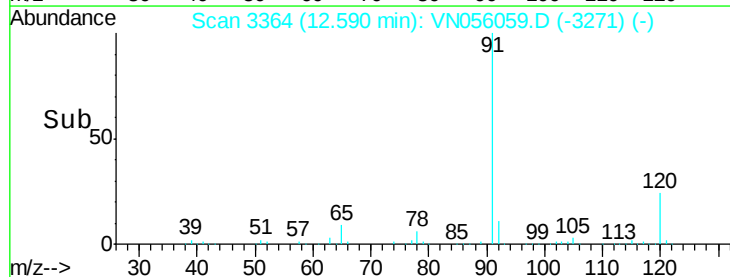
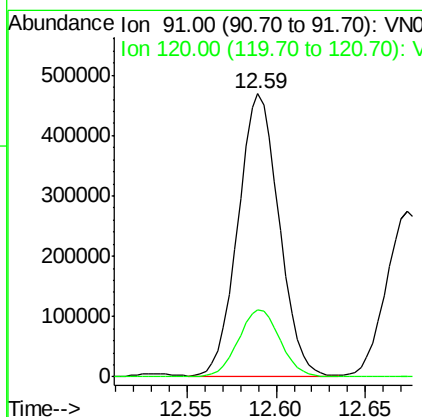
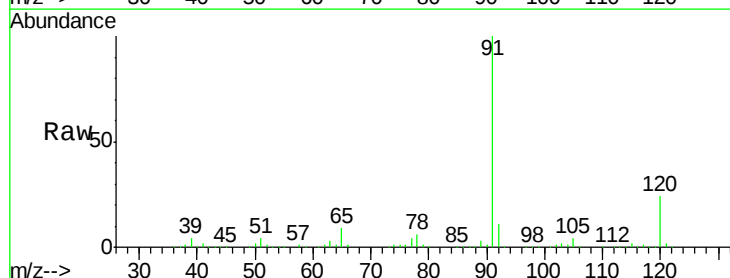
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#78
n-propylbenzene
Concen: 48.211 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	12.0	36.0	





#79

2-Chlorotoluene

Concen: 53.663 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 462495

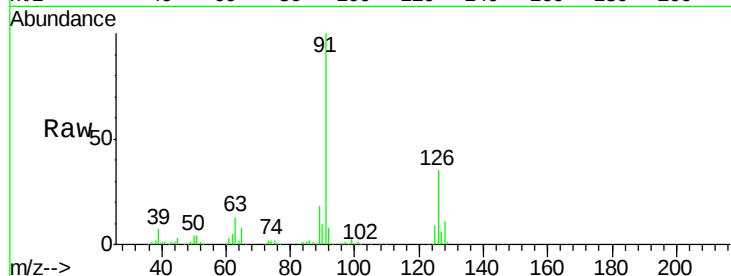
Ion Ratio Lower Upper

91 100

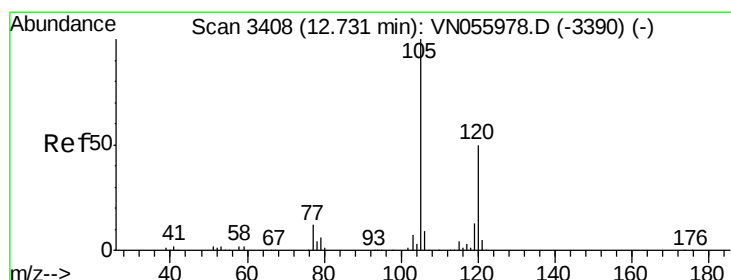
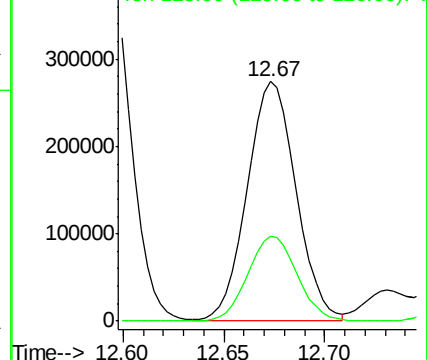
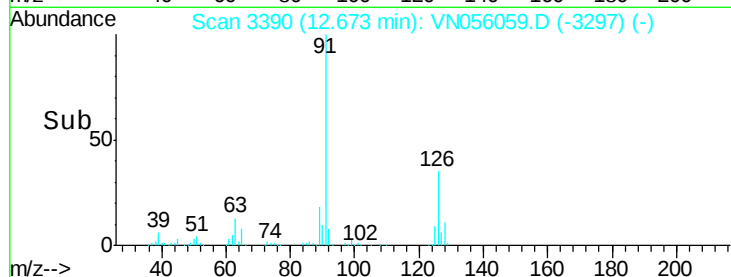
126 36.1 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN056059.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.071 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056059.D

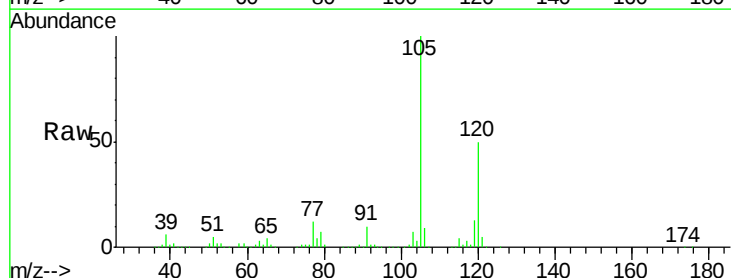
Acq: 6 Jun 2019 21:12

Tgt Ion: 105 Resp: 583132

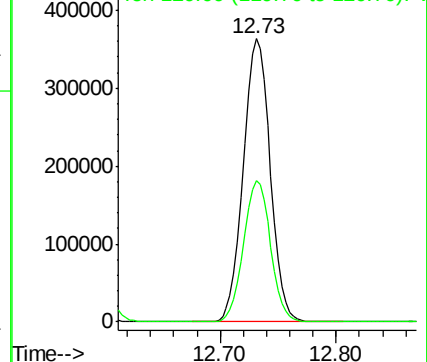
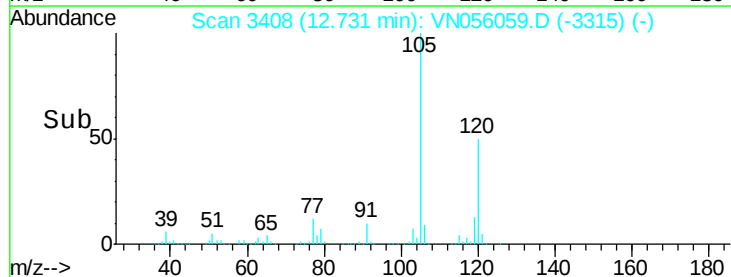
Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056059.D (-3315) (-)





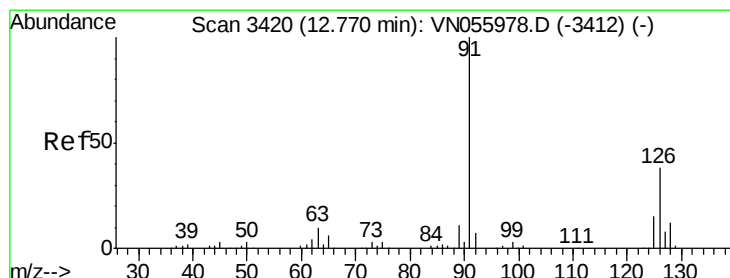
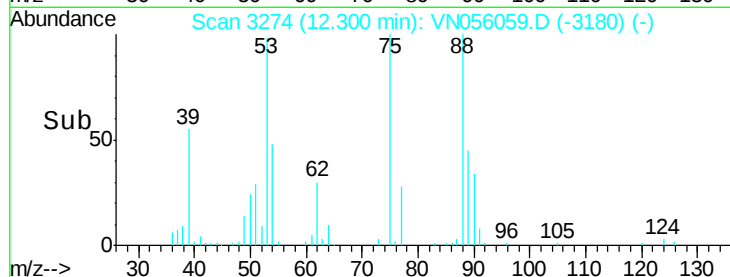
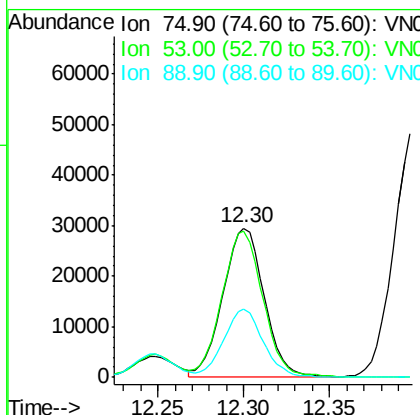
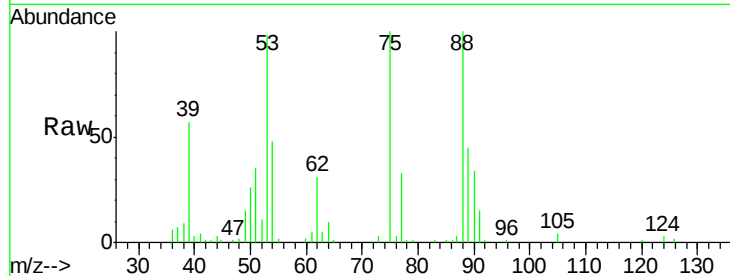
#81
trans-1,4-Dichloro-2-butene
Concen: 48.742 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 49622
Ion Ratio Lower Upper
75 100
53 97.5 68.1 102.1
89 43.8 36.9 55.3

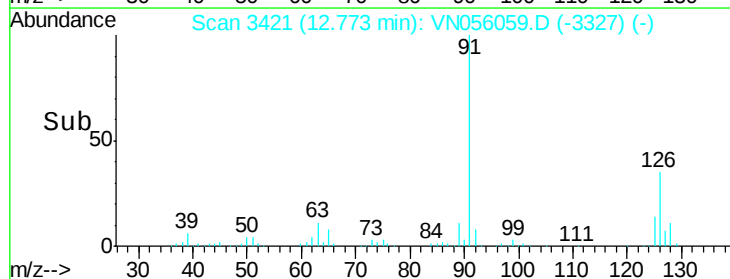
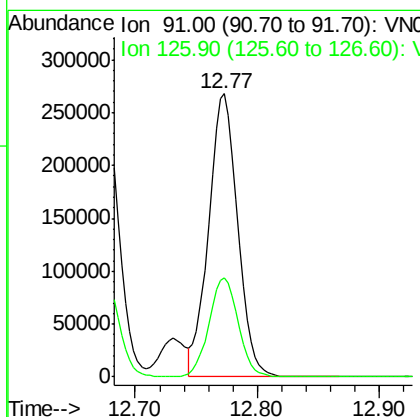
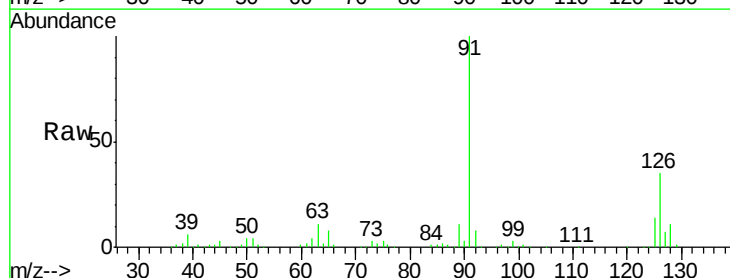
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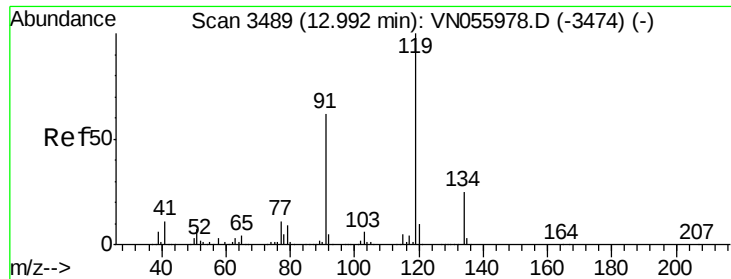
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#82
4-Chlorotoluene
Concen: 48.820 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion: 91 Resp: 445203
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.3





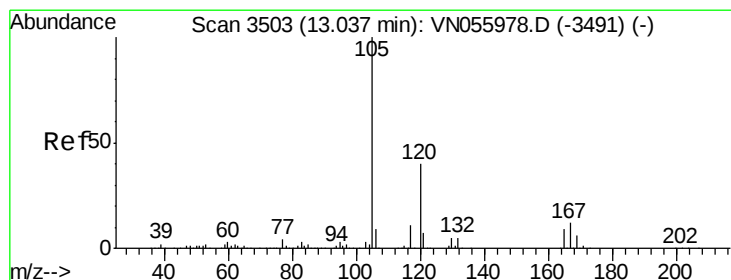
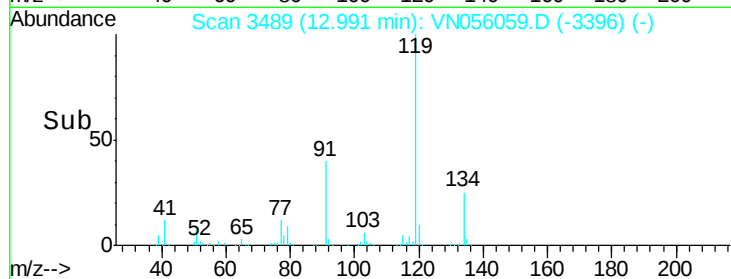
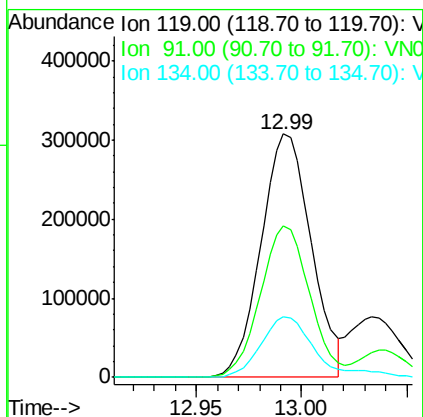
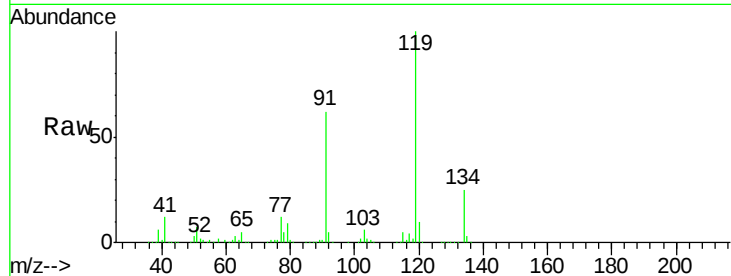
#83
 tert-Butylbenzene
 Concen: 53.365 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	511178		
91	61.2	30.9	92.8	
134	26.9	13.3	39.8	

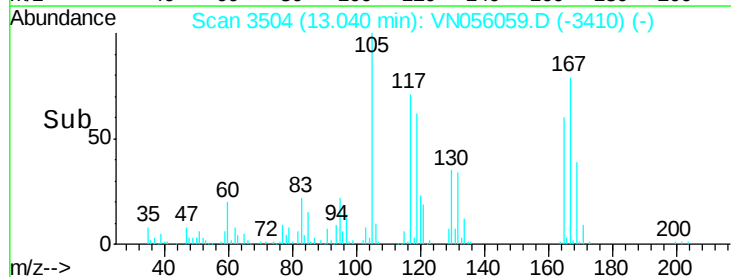
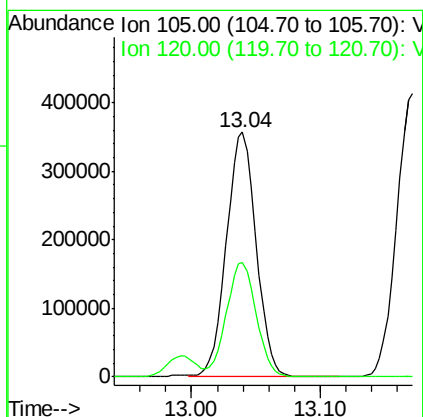
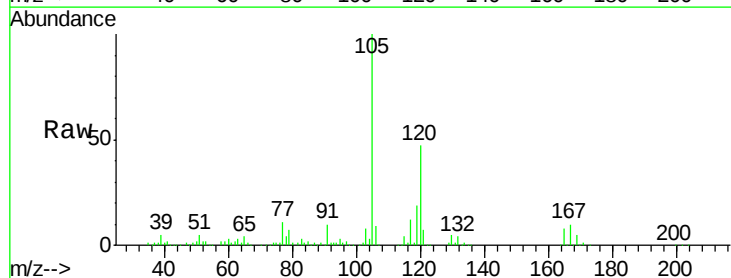
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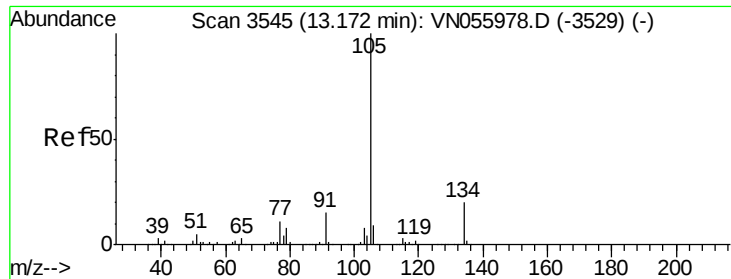
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.573 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	570623		
120	46.9	23.0	69.0	





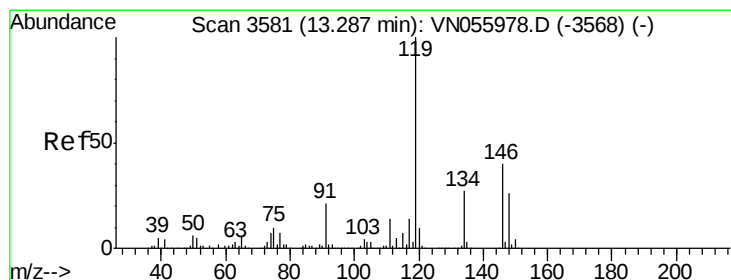
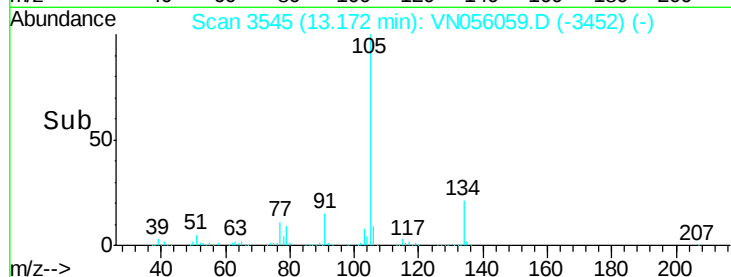
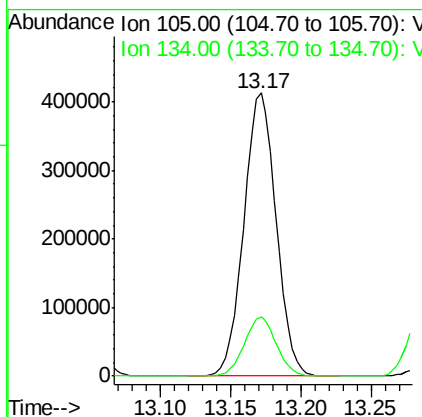
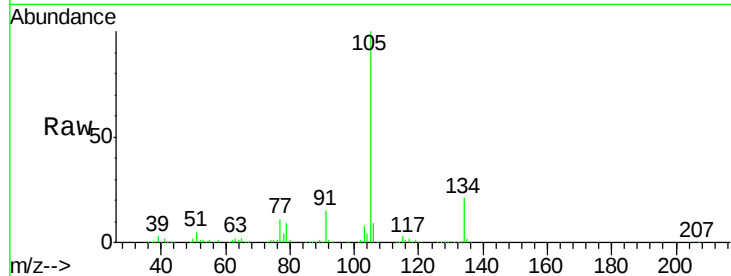
#85
 sec-Butylbenzene
 Concen: 48.009 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.2

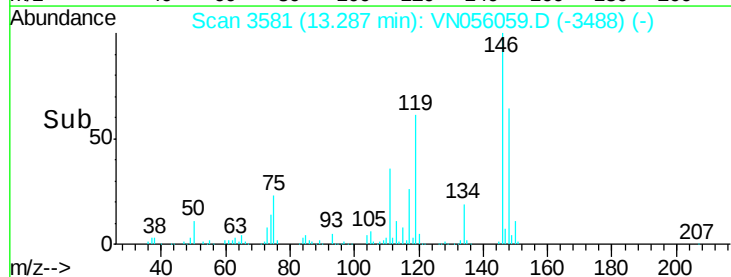
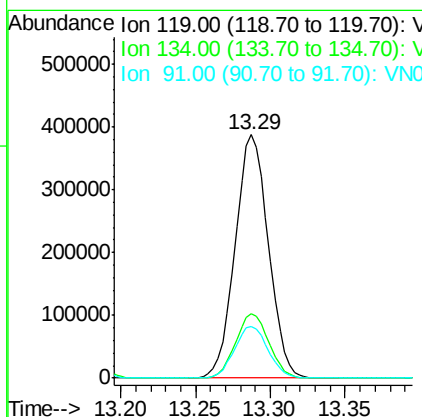
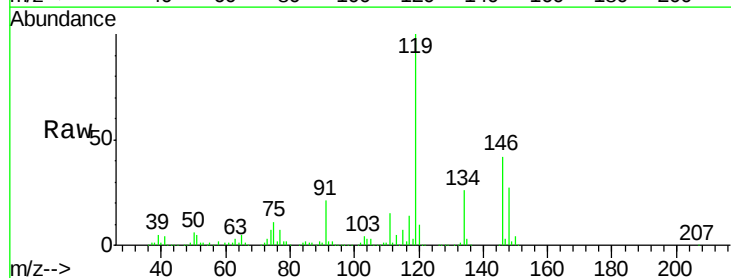
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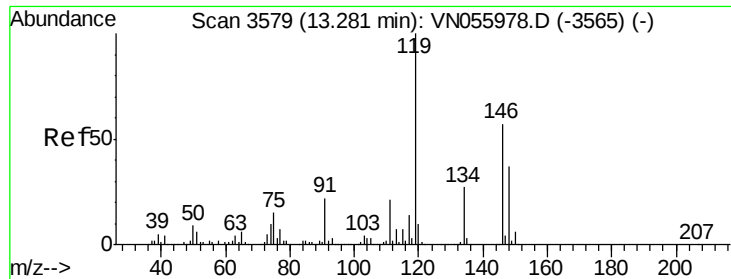
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#86
 p-Isopropyltoluene
 Concen: 48.398 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	21.6	10.9	32.9





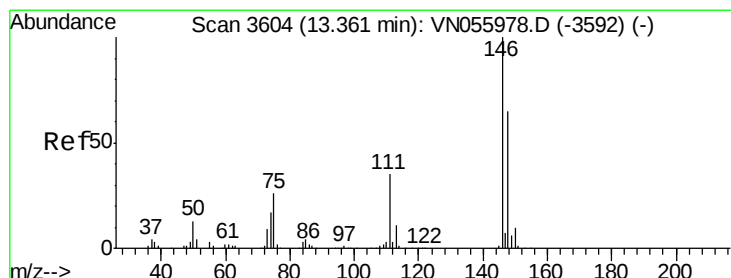
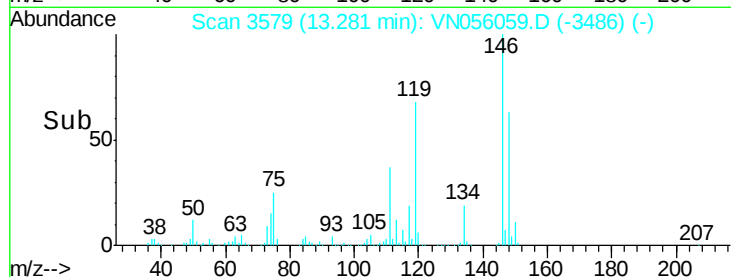
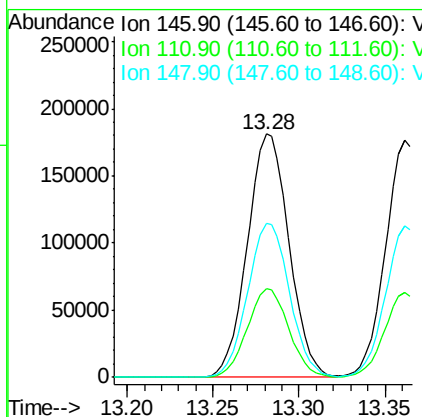
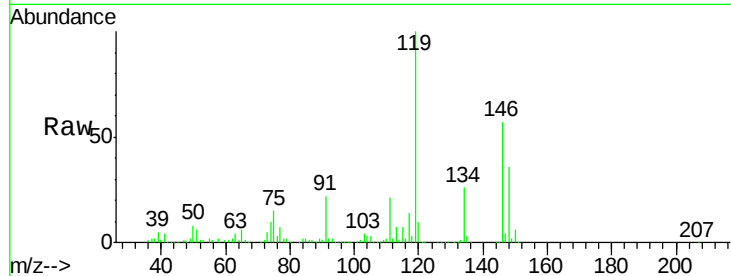
#87
 1,3-Dichlorobenzene
 Concen: 49.825 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	304199		
111	36.2	18.5	55.5	
148	63.6	32.0	96.2	

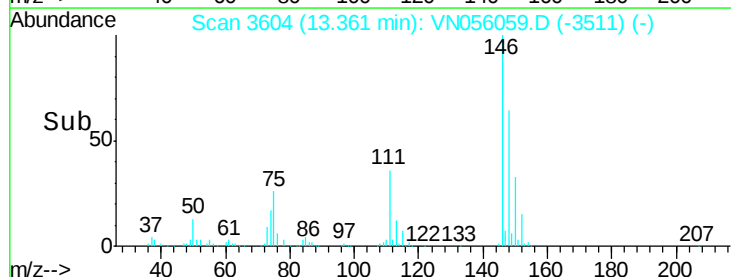
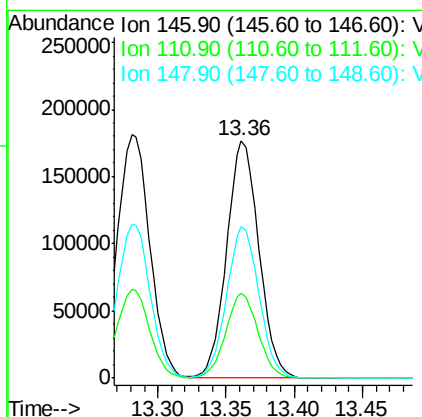
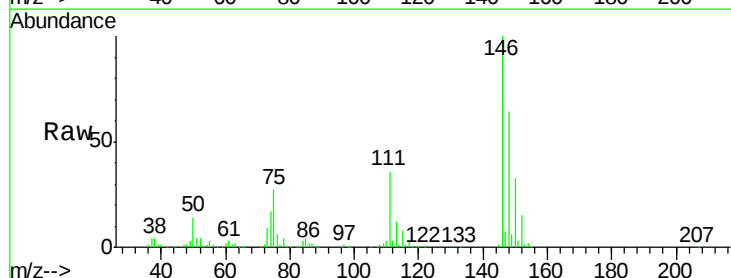
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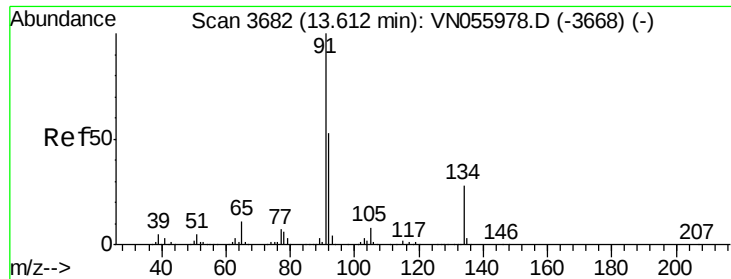
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#88
 1,4-Dichlorobenzene
 Concen: 49.512 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	290787		
111	35.8	18.1	54.4	
148	64.0	32.1	96.5	





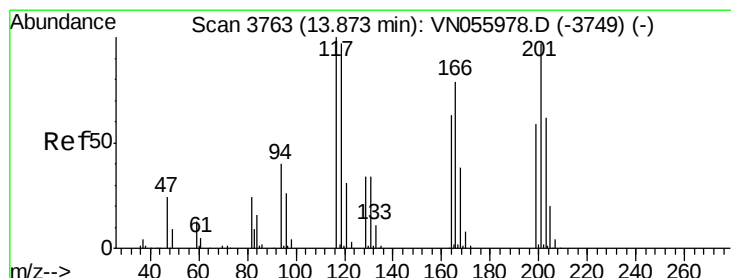
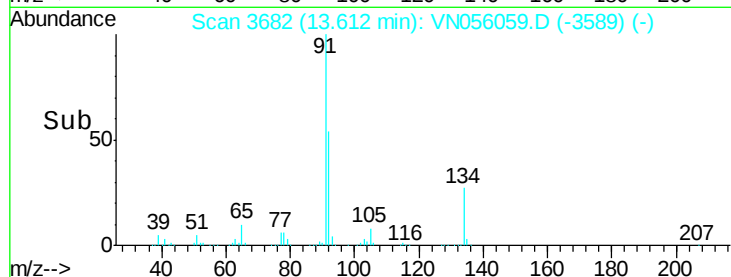
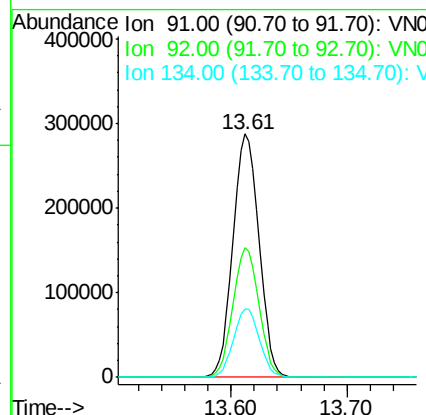
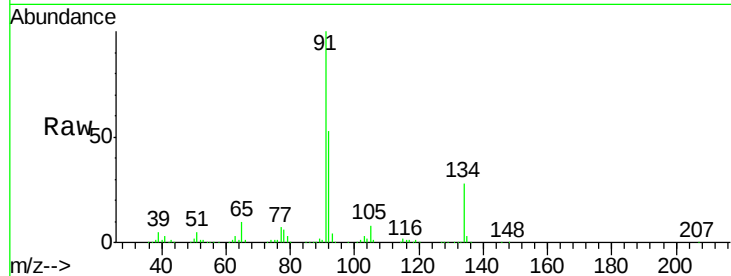
#89
n-Butylbenzene
Concen: 48.614 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	28.0	13.9	41.7

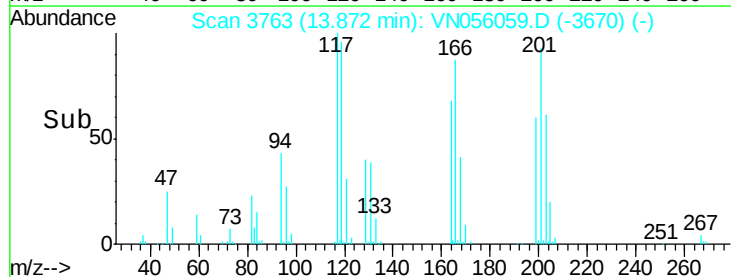
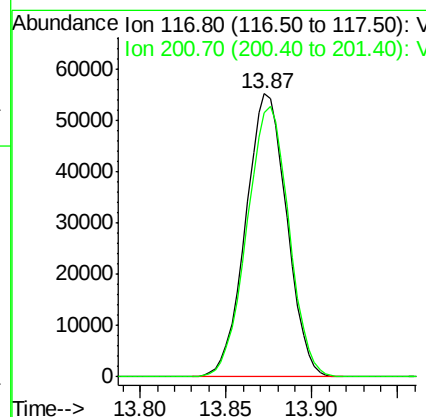
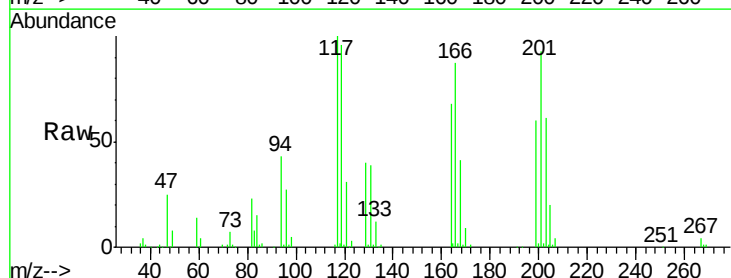
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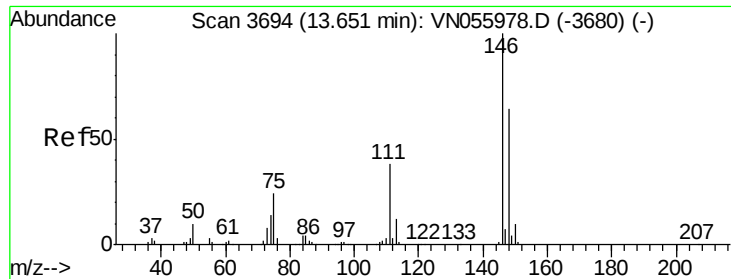
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#90
Hexachloroethane
Concen: 49.132 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056059.D
Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	50.0	150.0





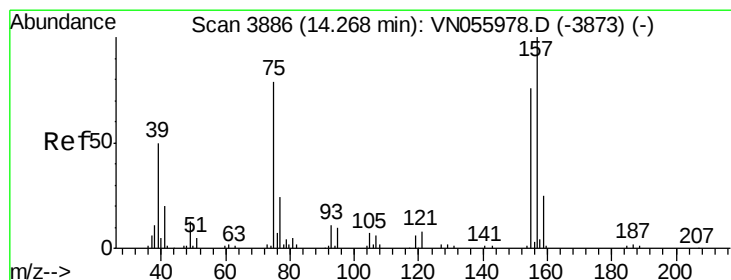
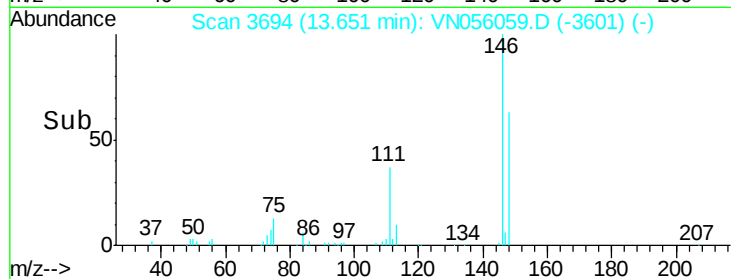
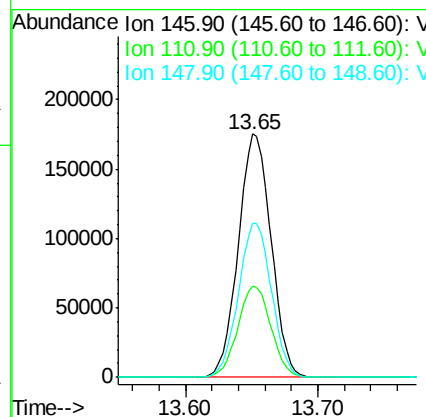
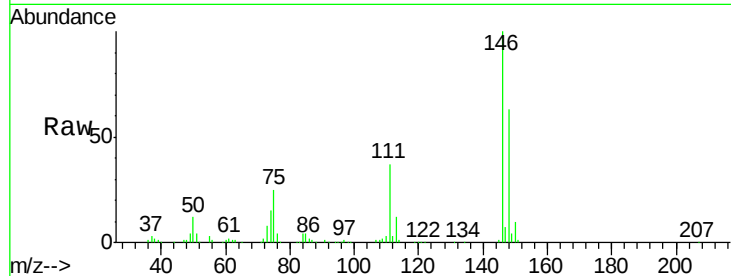
#91
 1,2-Dichlorobenzene
 Concen: 48.831 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	63.8	31.9	95.9

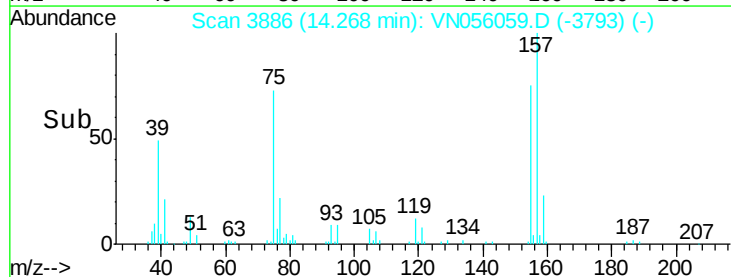
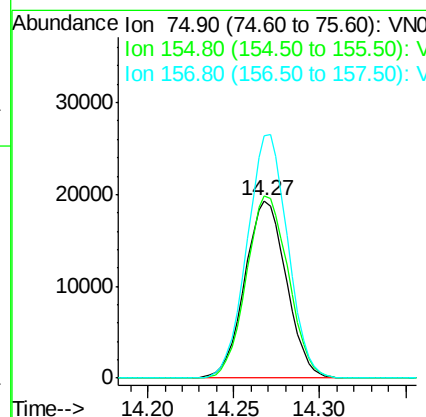
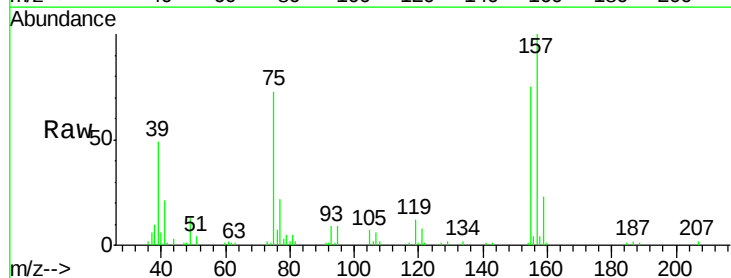
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.003 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.0	50.0	150.1
157	134.4	64.8	194.3





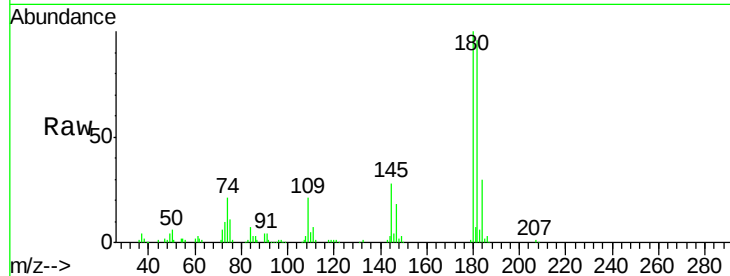
#93
 1,2,4-Trichlorobenzene
 Concen: 43.231 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

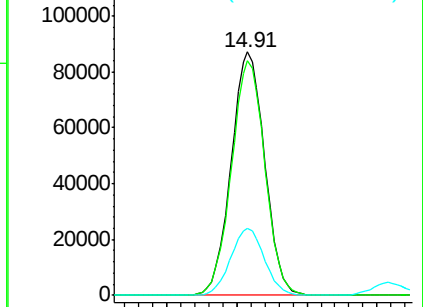
Tot Ion:	180	Resp:	144700
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.9
145	27.8	14.0	41.9

Manual Integrations
 APPROVED

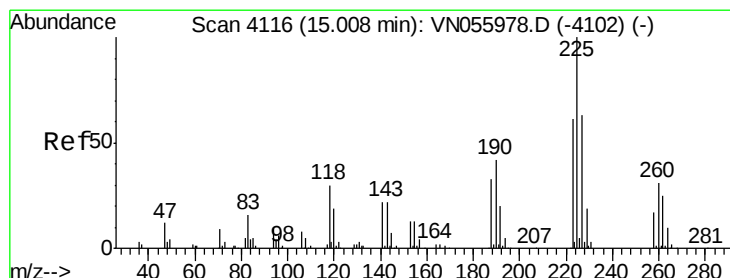
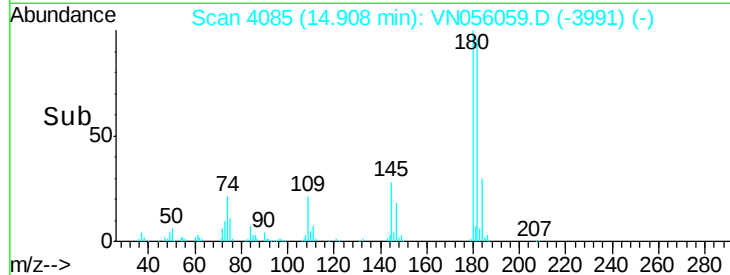
MMDadoda
 6/7/2019 9:41:45 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

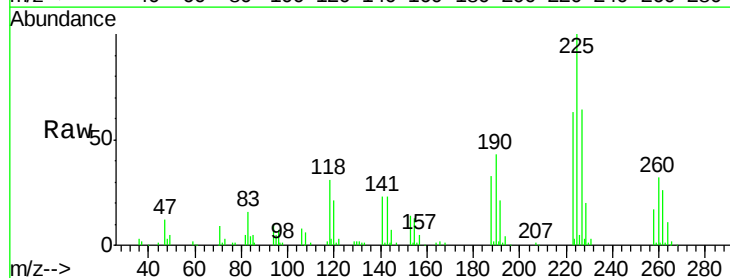


Time-->

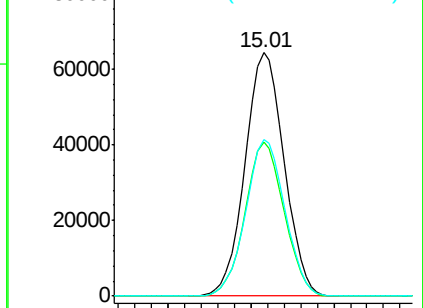


#94
 Hexachlorobutadiene
 Concen: 49.925 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056059.D
 Acq: 6 Jun 2019 21:12

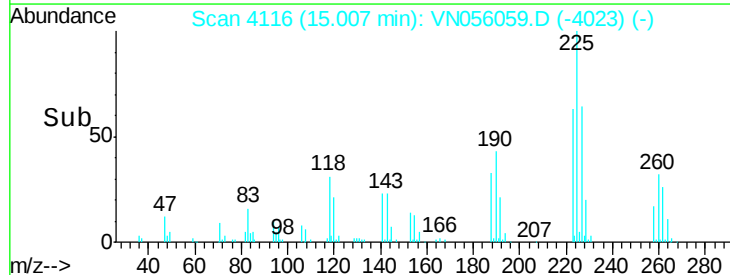
Tgt Ion:	225	Resp:	105555
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	64.3	31.6	94.7

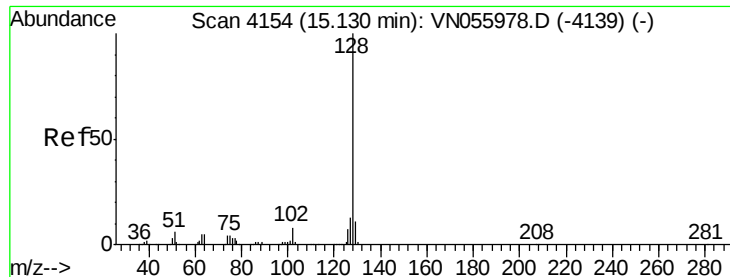


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 45.312 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Instrument :

MSVOA_N

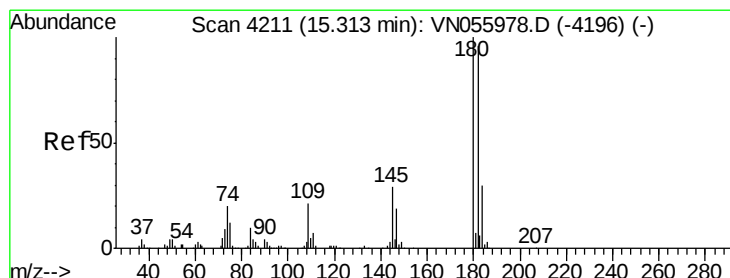
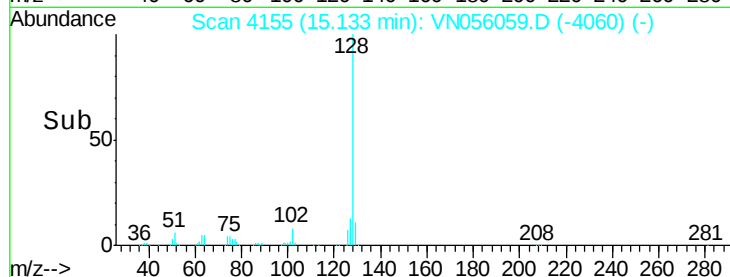
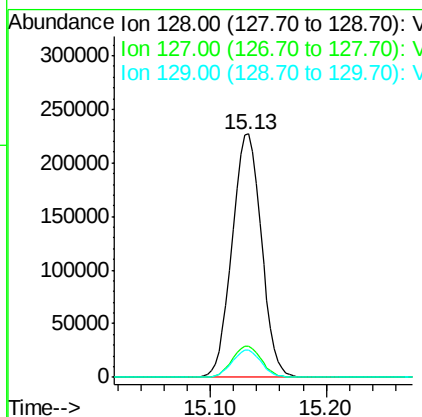
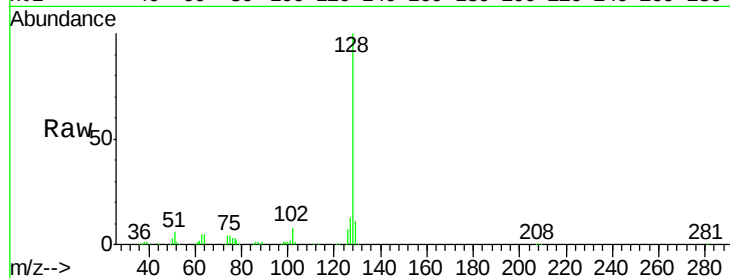
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	395876
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:41:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.515 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056059.D

Acq: 6 Jun 2019 21:12

Tgt Ion:	180	Resp:	156558
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.7
145	30.0	14.9	44.7

