

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055000.D
 Acq On : 12 Apr 2019 15:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:04 PM

Quant Time: Apr 13 03:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	419374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	116317	21.10	ug/l	0.00
Spiked Amount						
			Recovery	=	42.20%	
35) Dibromofluoromethane	7.59	113	92248	21.43	ug/l	0.00
Spiked Amount						
			Recovery	=	42.86%	
50) Toluene-d8	10.09	98	341473	21.00	ug/l	0.00
Spiked Amount						
			Recovery	=	42.00%	
62) 4-Bromofluorobenzene	12.40	95	109655	20.26	ug/l	0.00
Spiked Amount						
			Recovery	=	40.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	96810	19.586	ug/l	98
3) Chloromethane	2.06	50	124249	19.066	ug/l	98
4) Vinyl Chloride	2.19	62	102483	18.137	ug/l	100
5) Bromomethane	2.56	94	59782	18.496	ug/l	98
6) Chloroethane	2.71	64	56623	17.906	ug/l	97
7) Trichlorofluoromethane	3.02	101	132592	19.238	ug/l	99
8) Diethyl Ether	3.41	74	40719	18.430	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66931	18.348	ug/l	99
10) Methyl Iodide	3.94	142	99931	19.439	ug/l	99
11) Tert butyl alcohol	4.82	59	31313	106.625	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	64089	17.757	ug/l	94
13) Acrolein	3.61	56	37939	98.899	ug/l	98
14) Allyl chloride	4.32	41	159284	19.647	ug/l	98
15) Acrylonitrile	5.00	53	176898	102.188	ug/l	99
16) Acetone	3.82	43	148077	95.439	ug/l	96
17) Carbon Disulfide	4.04	76	201405	17.527	ug/l	100
18) Methyl Acetate	4.33	43	82802	19.716	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	235566	19.716	ug/l	99
20) Methylene Chloride	4.55	84	98563	19.260	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	85455	18.752	ug/l	94
22) Diisopropyl ether	5.96	45	331642	19.845	ug/l	98
23) Vinyl Acetate	5.90	43	1128251	96.907	ug/l	100
24) 1,1-Dichloroethane	5.85	63	174583	19.218	ug/l	98
25) 2-Butanone	6.85	43	226984	108.456	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111393	17.606	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	100213	19.310	ug/l	99
28) Bromochloromethane	7.19	49	86176	20.089	ug/l	99
29) Tetrahydrofuran	7.22	42	144756	104.618	ug/l	100
30) Chloroform	7.37	83	168760	19.576	ug/l	99
31) Cyclohexane	7.65	56	169272	16.327	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	134213	18.526	ug/l	99
36) 1,1-Dichloropropene	7.79	75	120687	18.685	ug/l	100
37) Ethyl Acetate	6.94	43	96793	21.322	ug/l	100
38) Carbon Tetrachloride	7.77	117	111074	17.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140879	19.795	ug/l	99
40) Benzene	8.04	78	375499	20.087	ug/l	98
41) Methacrylonitrile	7.17	41	51980	20.086	ug/l	97
42) 1,2-Dichloroethane	8.13	62	130838	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	154746	20.259	ug/l	99
44) Trichloroethene	8.83	130	93907	19.629	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106219	20.389	ug/l	100
46) Dibromomethane	9.21	93	61170	20.535	ug/l	98
47) Bromodichloromethane	9.40	83	122257	19.690	ug/l	97
48) Methyl methacrylate	9.20	41	78403	20.416	ug/l	99
49) 1,4-Dioxane	9.20	88	18466	467.147	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	457202	106.705	ug/l	99
52) Toluene	10.16	92	224751	20.432	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	104668	18.371	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	137156	19.673	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83436	20.720	ug/l	98
56) Ethyl methacrylate	10.43	69	100673	19.197	ug/l	98
57) 1,3-Dichloropropane	10.71	76	146945	20.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	194013	94.128	ug/l	99
59) 2-Hexanone	10.75	43	285470	107.123	ug/l	100
60) Dibromochloromethane	10.90	129	80726	19.269	ug/l	98
61) 1,2-Dibromoethane	11.01	107	76713	20.317	ug/l	99
64) Tetrachloroethene	10.63	164	91395	19.640	ug/l	96
65) Chlorobenzene	11.43	112	227557	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84246	19.658	ug/l	99
67) Ethyl Benzene	11.51	91	417520	19.798	ug/l	100
68) m/p-Xylenes	11.62	106	308730	40.007	ug/l	100
69) o-Xylene	11.95	106	152324	20.271	ug/l	99
70) Styrene	11.96	104	245287	20.322	ug/l	99
71) Bromoform	12.13	173	47799	18.427	ug/l #	97
73) Isopropylbenzene	12.25	105	402317	20.310	ug/l	98
74) N-amyl acetate	12.07	43	113921	20.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102937	20.846	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	84154m	19.736	ug/l	
77) Bromobenzene	12.53	156	94714	19.718	ug/l	98
78) n-propylbenzene	12.59	91	441416	20.220	ug/l	100
79) 2-Chlorotoluene	12.67	91	269177	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	332694	20.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19579	19.245	ug/l	97
82) 4-Chlorotoluene	12.77	91	257916	20.157	ug/l	99
83) tert-Butylbenzene	12.99	119	283241	20.427	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	322307	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	362019	20.184	ug/l	100
86) p-Isopropyltoluene	13.29	119	320152	20.737	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	159790	20.067	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150584	19.839	ug/l	99
89) n-Butylbenzene	13.61	91	233434	19.053	ug/l	100
90) Hexachloroethane	13.87	117	47121	18.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	157434	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12400	18.045	ug/l	89

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QLast Update : Sat Apr 13 02:20:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60261	17.477	ug/l	100
94) Hexachlorobutadiene	15.01	225	51864	19.738	ug/l	96
95) Naphthalene	15.13	128	130595	17.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64153	17.908	ug/l	98

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

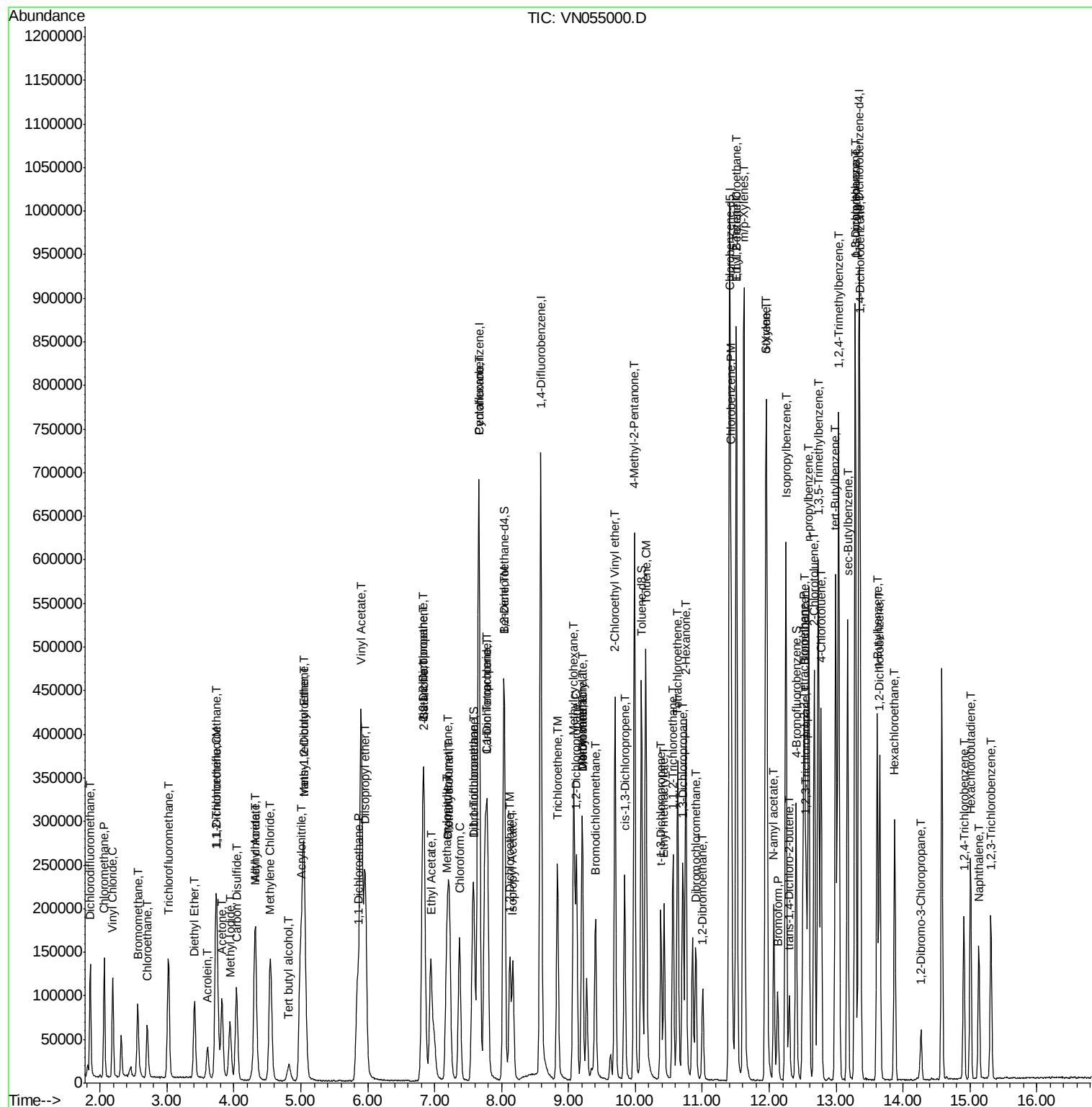
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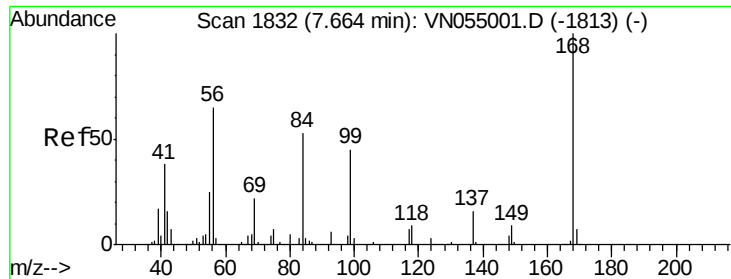
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 419374

Ion Ratio Lower Upper

168 100

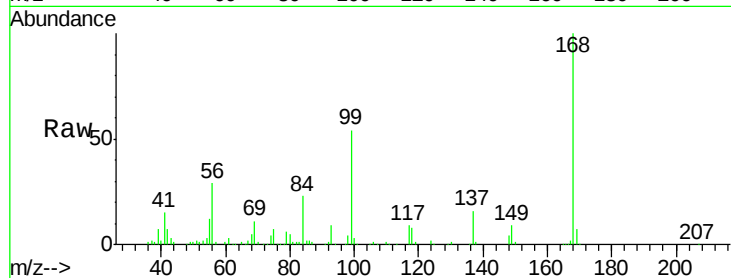
99 53.4 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

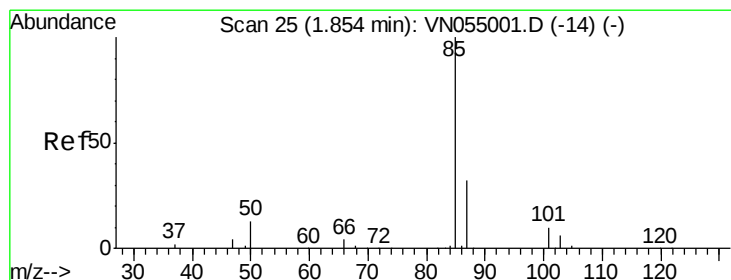
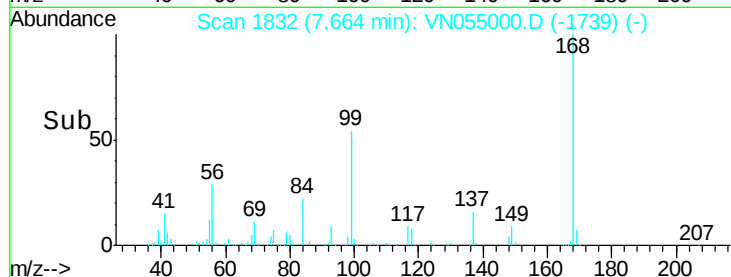
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.586 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055000.D

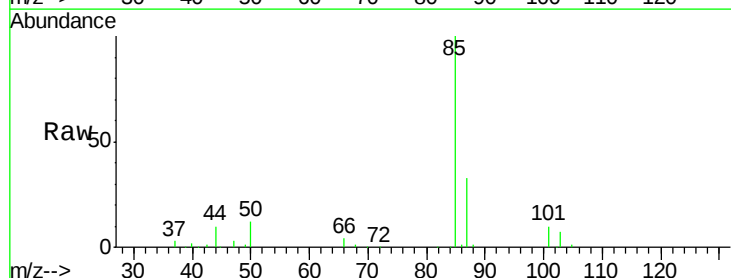
Acq: 12 Apr 2019 15:39

Tgt Ion: 85 Resp: 96810

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

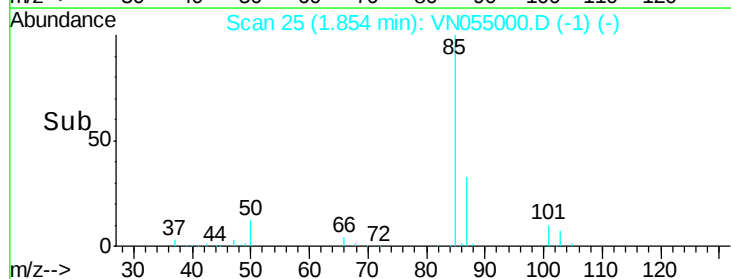
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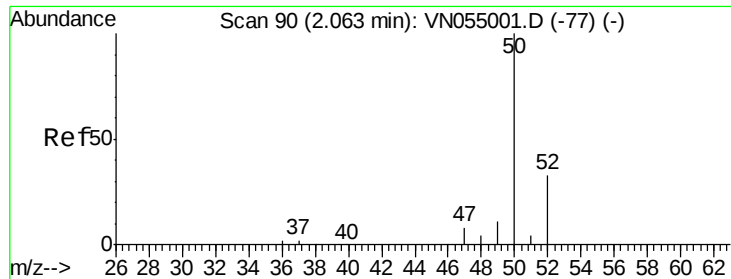
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20000

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Time-->





#3

Chloromethane

Concen: 19.066 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 124249

Ion Ratio Lower Upper

50 100

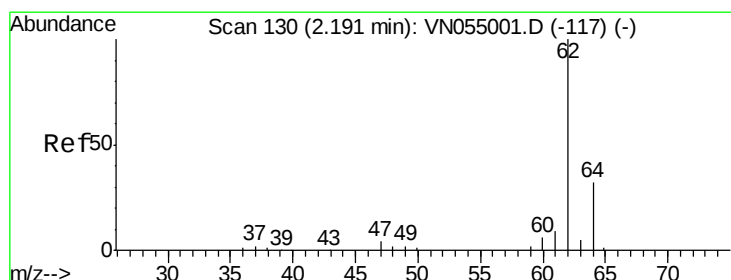
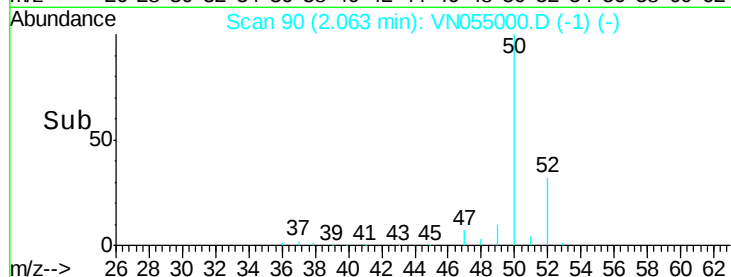
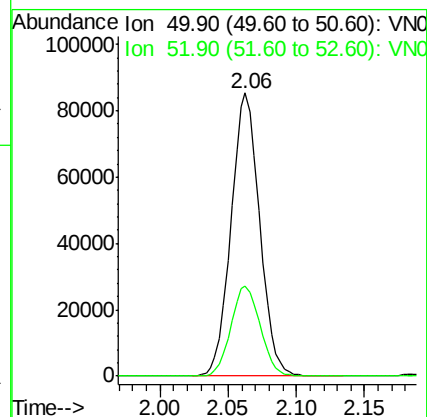
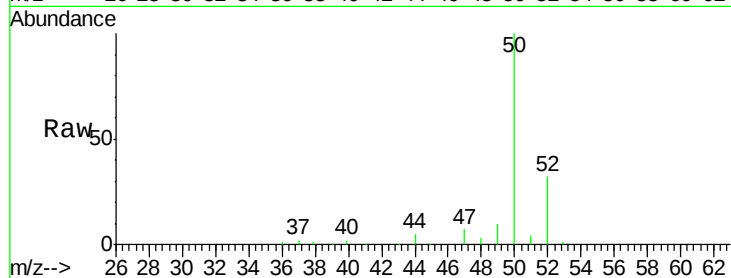
52 32.0 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.137 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055000.D

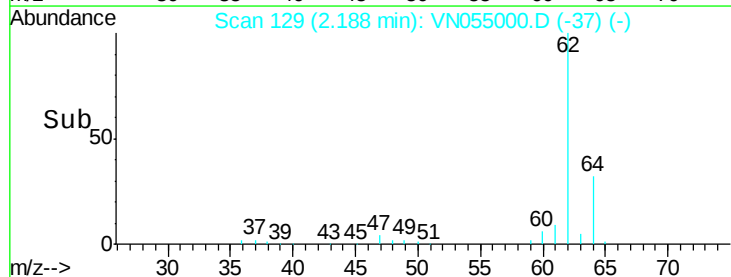
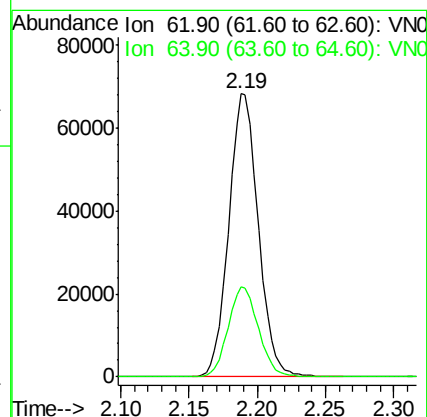
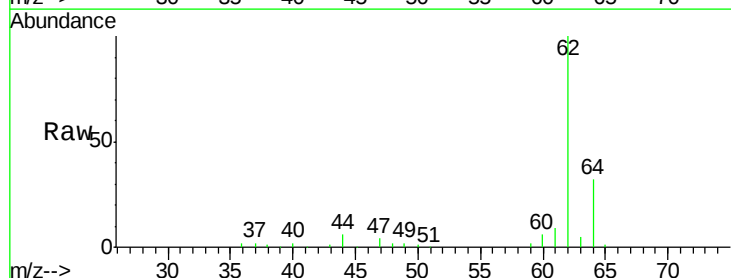
Acq: 12 Apr 2019 15:39

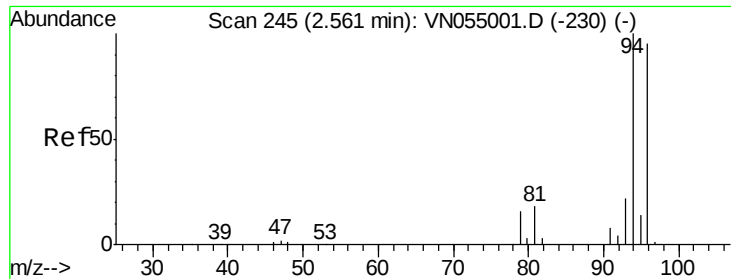
Tgt Ion: 62 Resp: 102483

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 18.496 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

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Tot Ion: 94 Resp: 59782

Ion Ratio Lower Upper

94 100

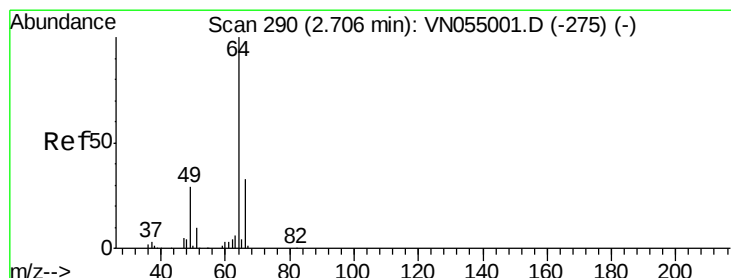
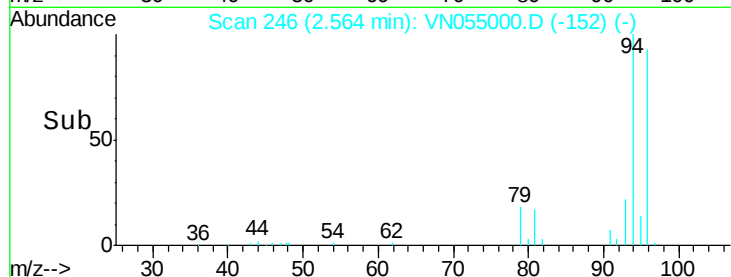
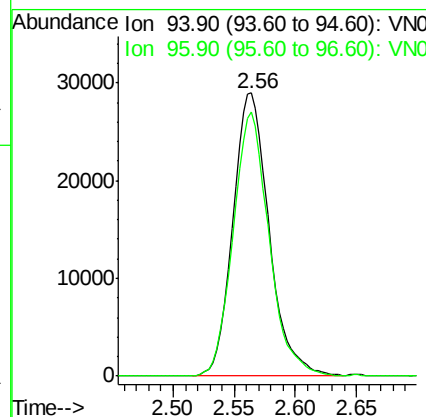
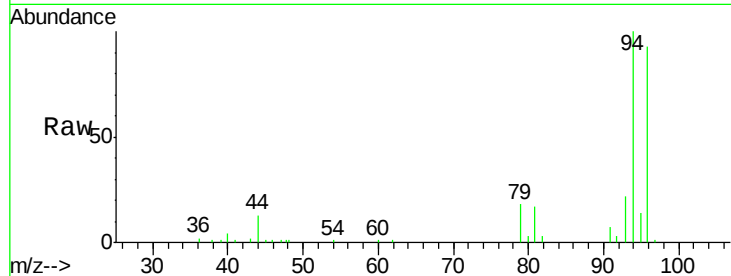
96 93.4 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 17.906 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055000.D

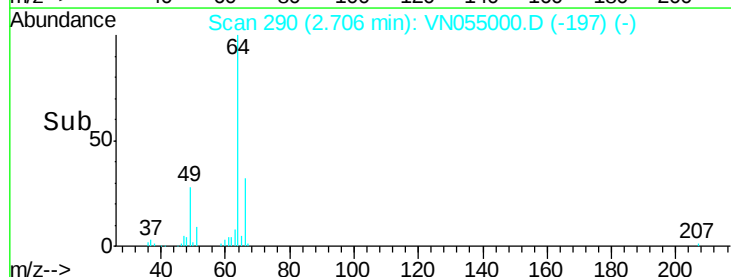
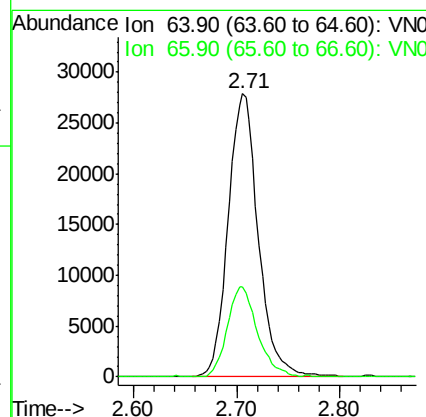
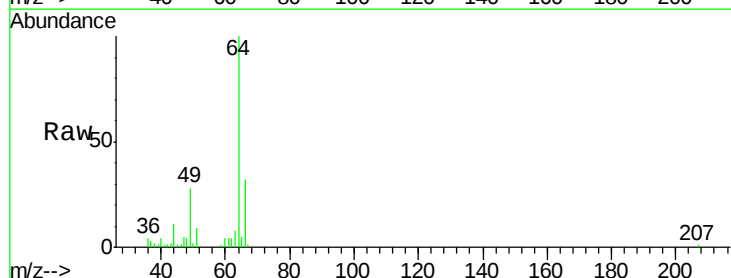
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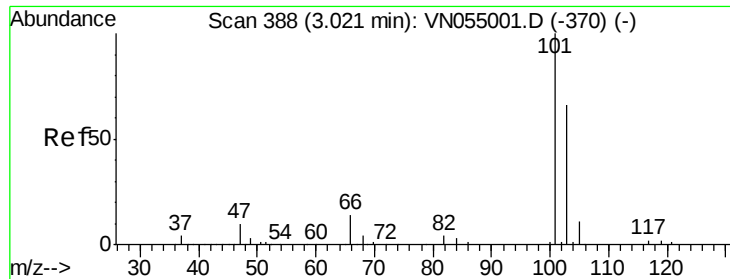
Tgt Ion: 64 Resp: 56623

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0





#7

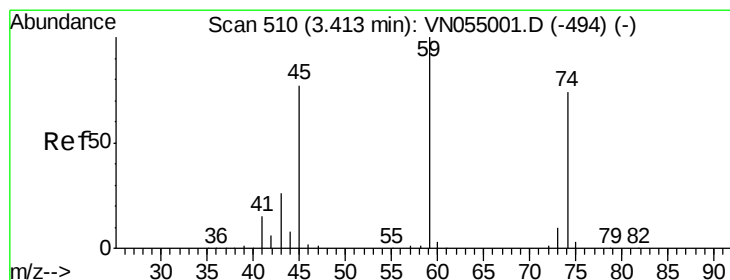
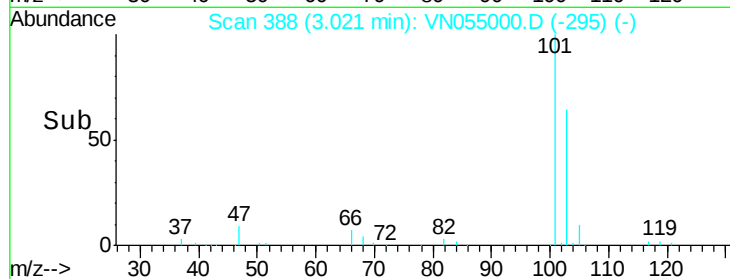
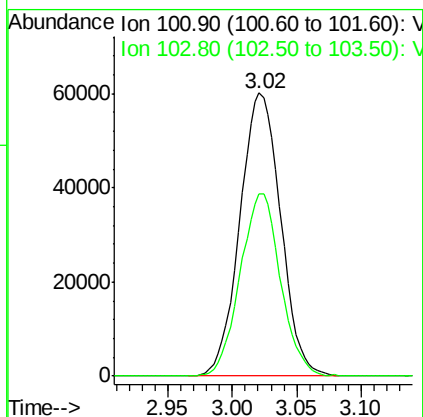
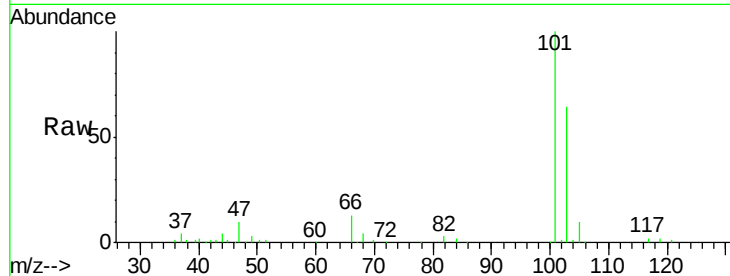
Trichlorofluoromethane
 Concen: 19.238 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN055000.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.5	78.7

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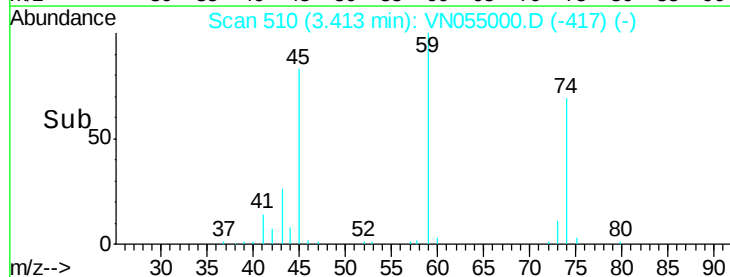
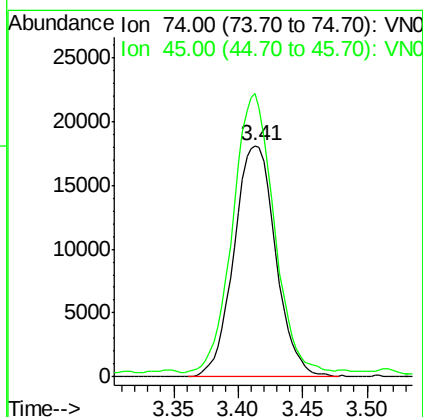
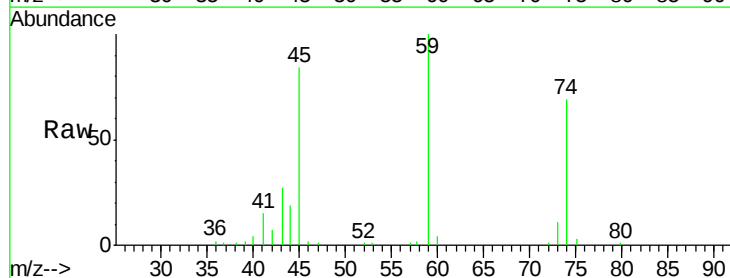
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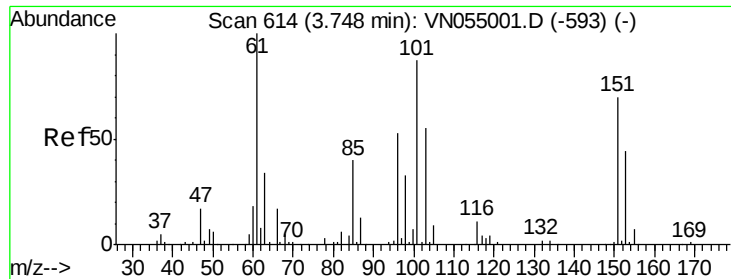


#8

Diethyl Ether
 Concen: 18.430 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.6	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.348 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055000.D

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MSVOA_N

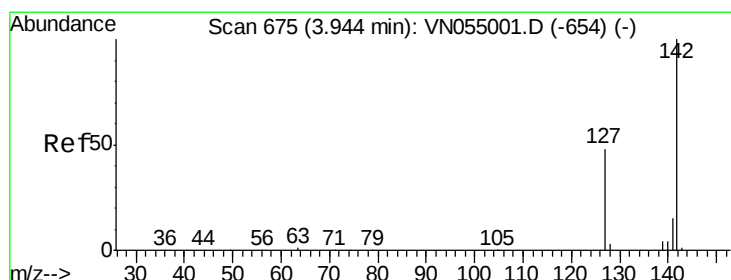
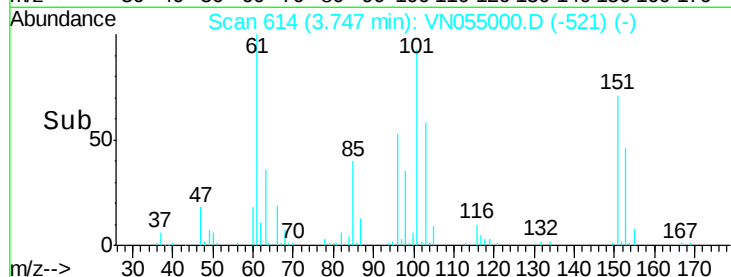
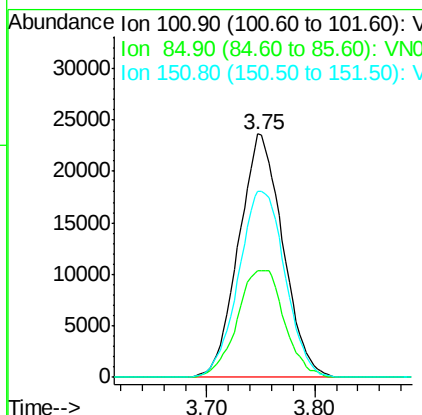
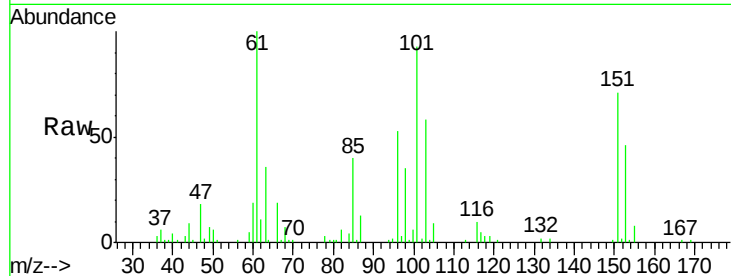
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	66931
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.9	55.3
151	80.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.439 ug/l

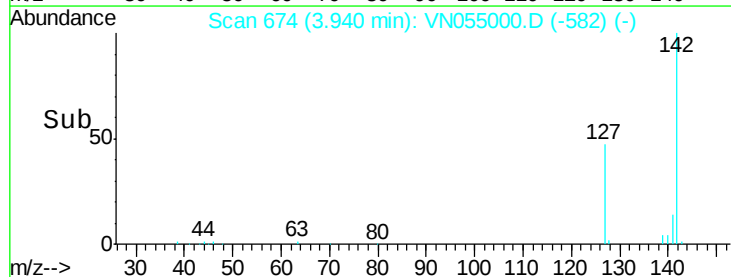
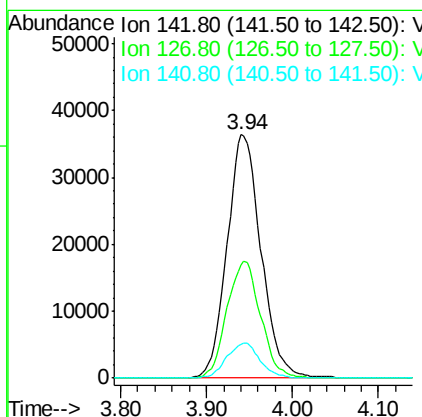
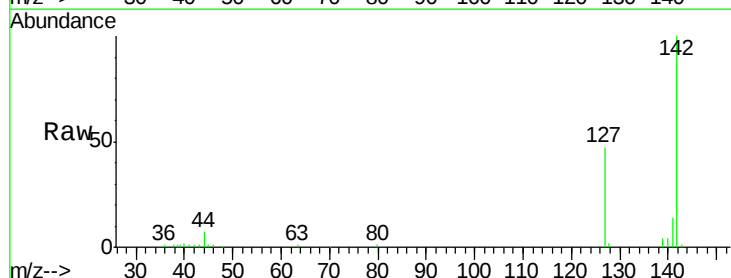
RT: 3.94 min Scan# 674

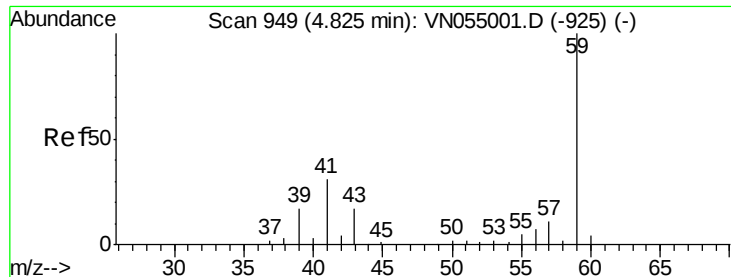
Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	142	Resp:	99931
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.9	56.9
141	14.0	11.8	17.8





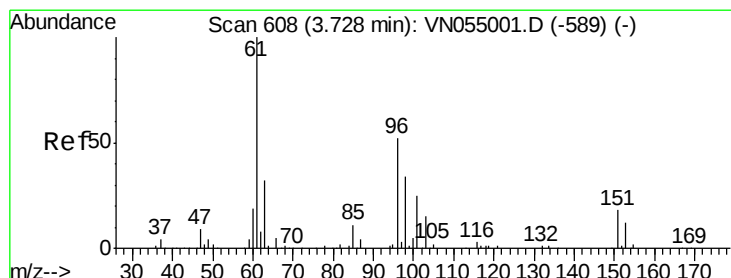
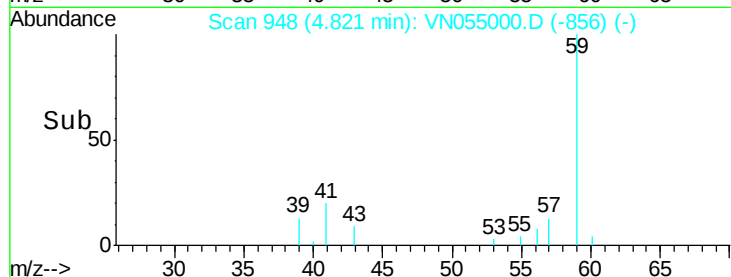
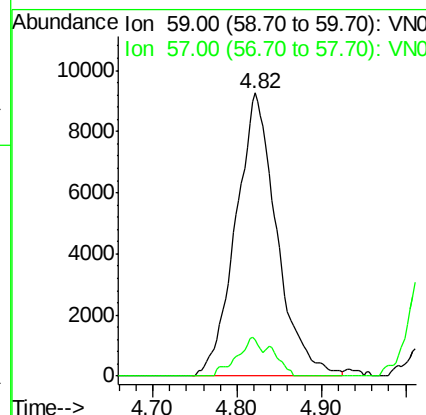
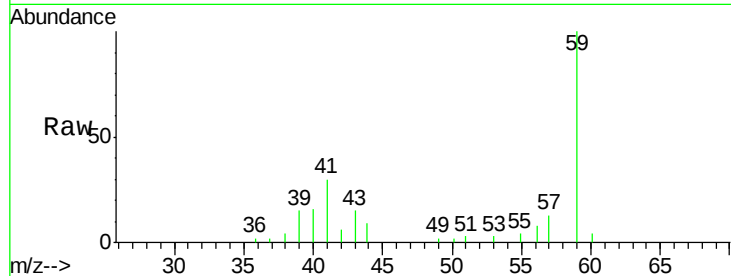
#11
Tert butyl alcohol
Concen: 106.625 ug/l
RT: 4.82 min Scan# 948
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	8.3	12.5#

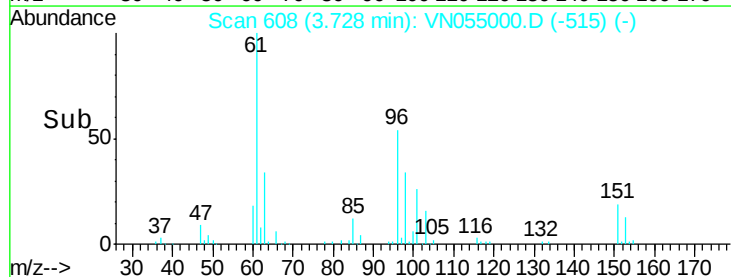
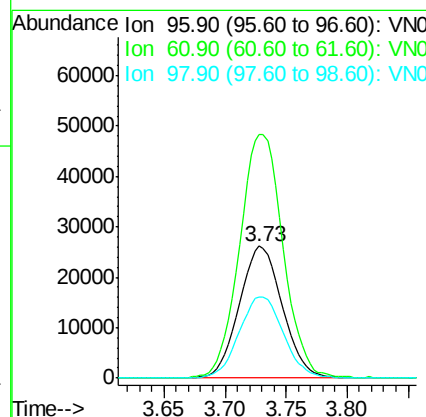
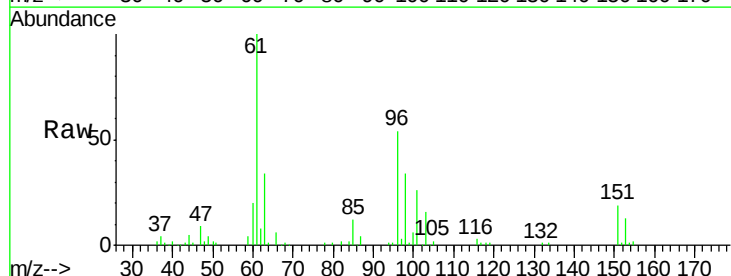
Manual Integrations
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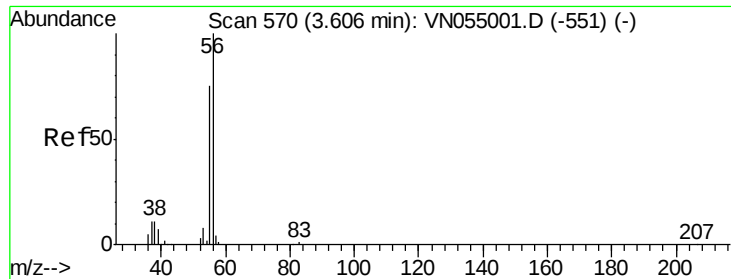
MMDadoda
4/16/2019 1:58:04 PM



#12
1,1-Dichloroethene
Concen: 17.757 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	154.2	231.4
98	61.8	52.9	79.3





#13

Acrolein

Concen: 98.899 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 37939

Ion Ratio Lower Upper

56 100

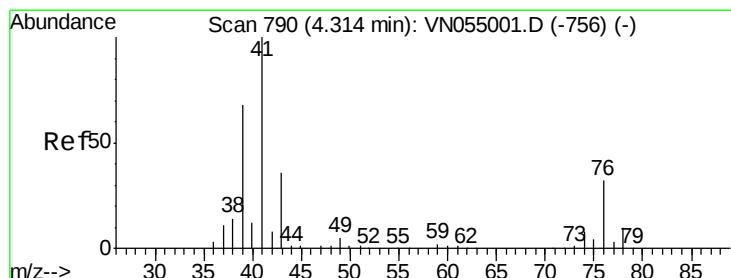
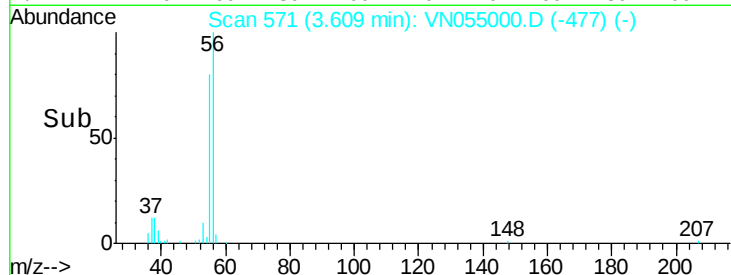
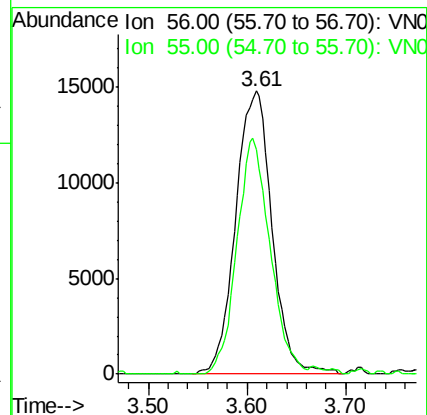
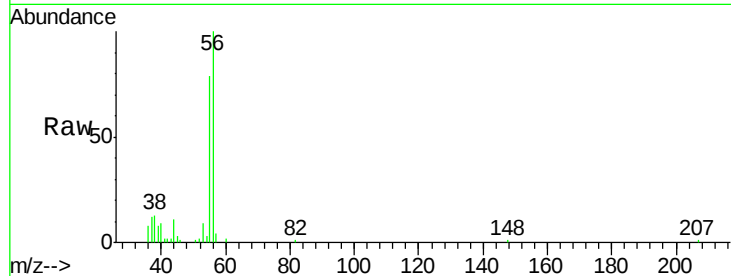
55 76.0 59.5 89.3

Manual Integrations

APPROVED

MMDadoda

4/16/2019 1:58:04 PM



#14

Allyl chloride

Concen: 19.647 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

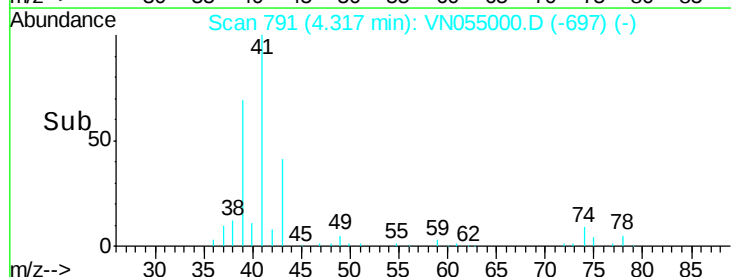
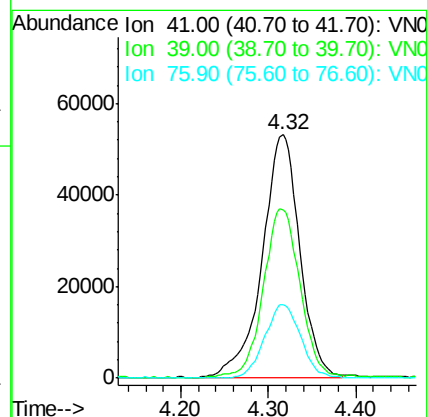
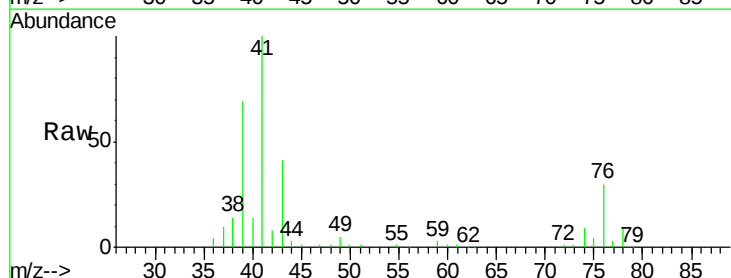
Tgt Ion: 41 Resp: 159284

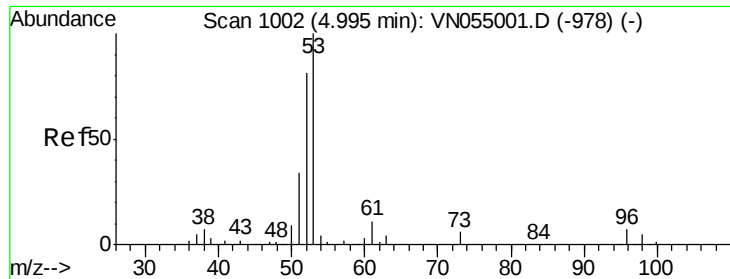
Ion Ratio Lower Upper

41 100

39 68.0 52.7 79.1

76 28.8 23.2 34.8





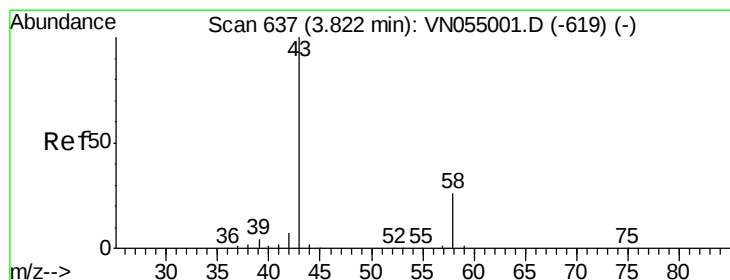
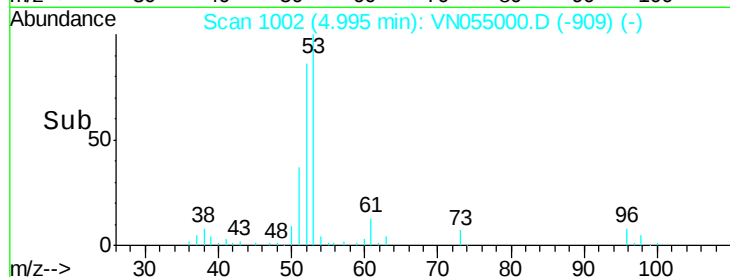
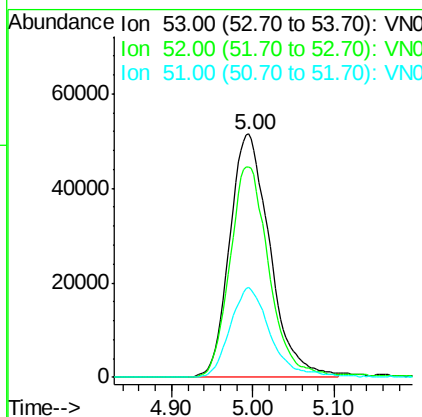
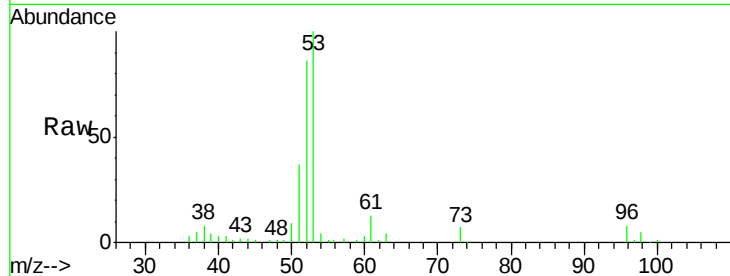
#15
 Acrylonitrile
 Concen: 102.188 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.9	98.9
51	36.8	29.7	44.5

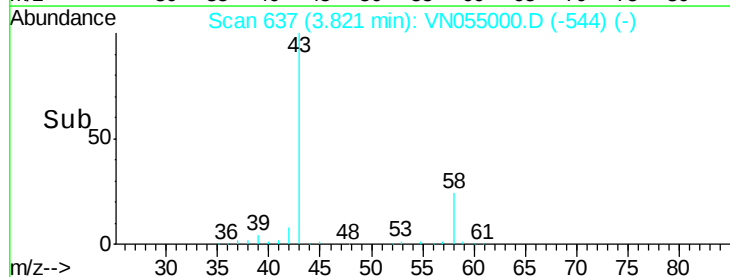
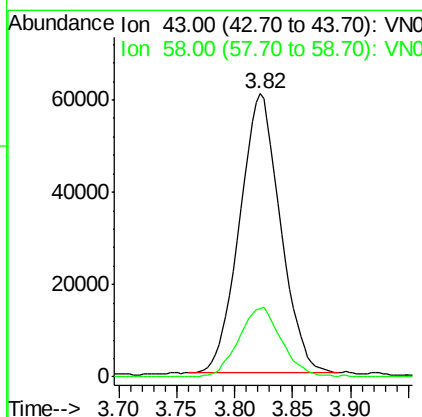
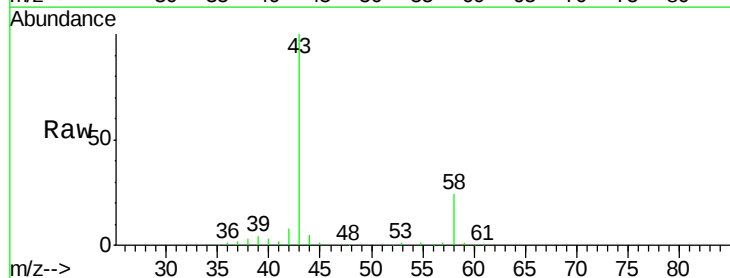
Manual Integrations
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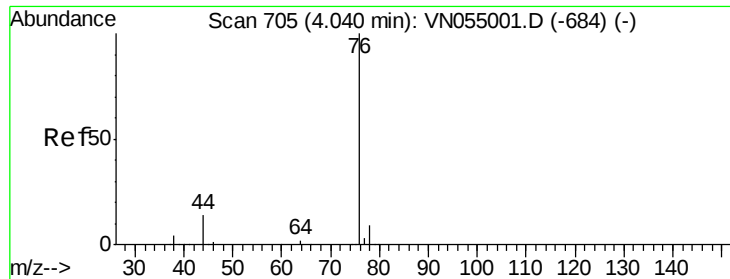
MMDadoda
 4/16/2019 1:58:04 PM



#16
 Acetone
 Concen: 95.439 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.9	31.3





#17

Carbon Disulfide

Concen: 17.527 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 201405

Ion Ratio Lower Upper

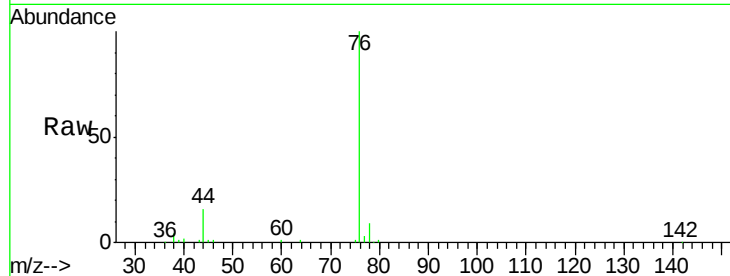
76 100

78 9.2 7.2 10.8

Manual Integrations
APPROVED

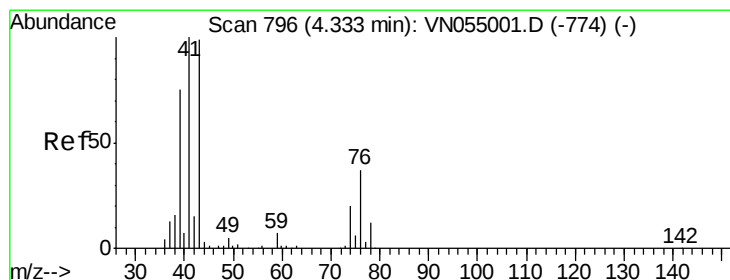
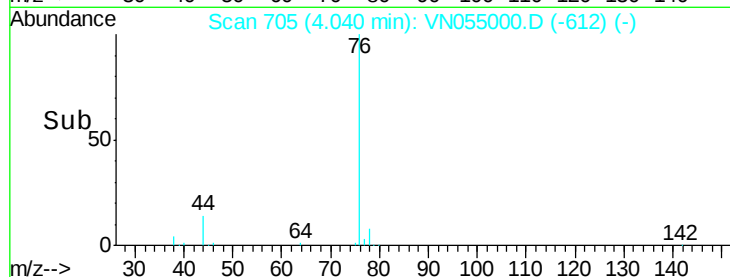
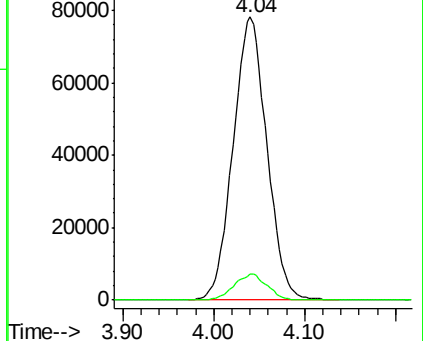
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.716 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.00 min

Lab File: VN055000.D

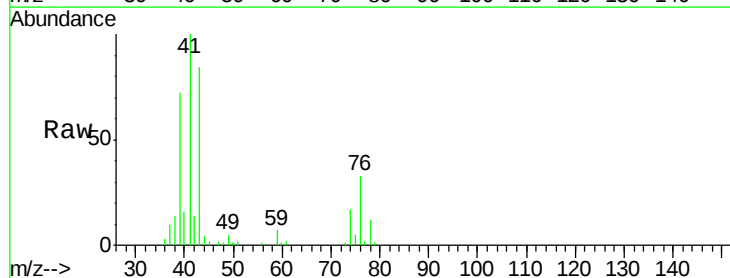
Acq: 12 Apr 2019 15:39

Tgt Ion: 43 Resp: 82802

Ion Ratio Lower Upper

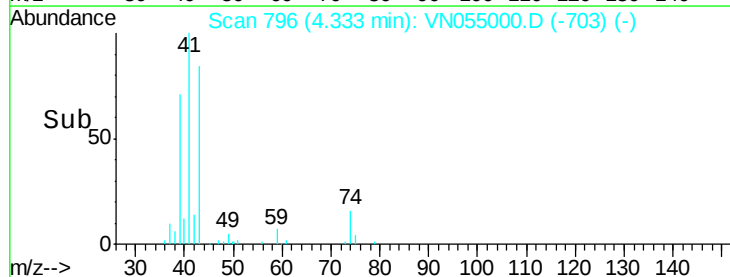
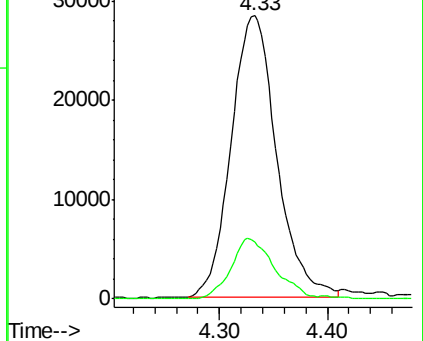
43 100

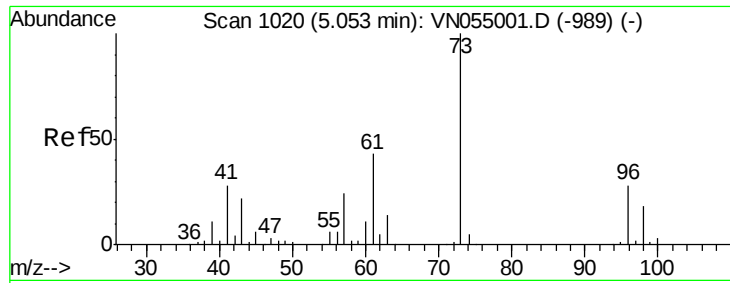
74 20.7 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





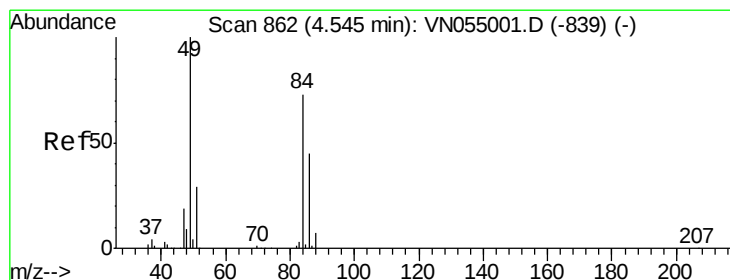
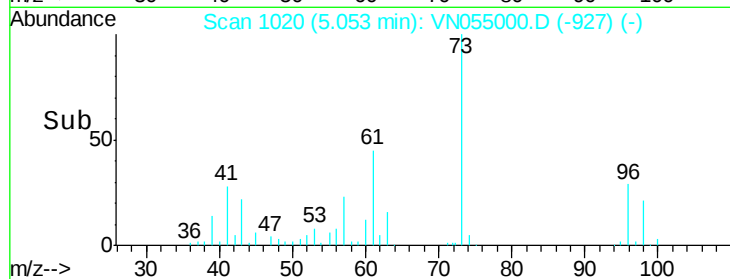
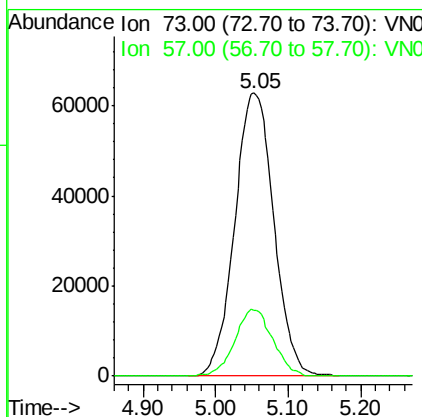
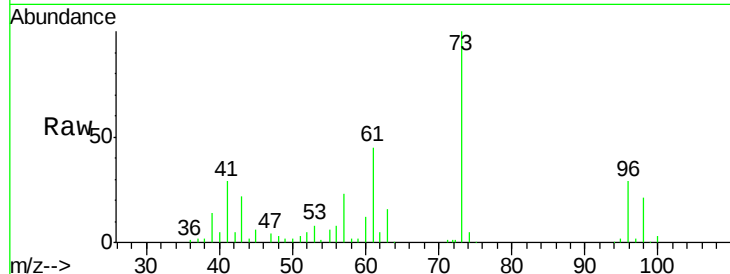
#19
Methvl tert-butvl Ether
Concen: 19.716 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 235566
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4

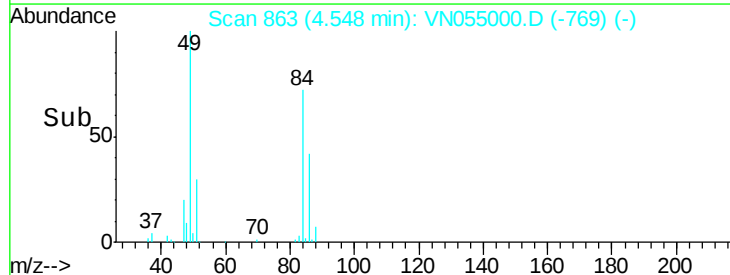
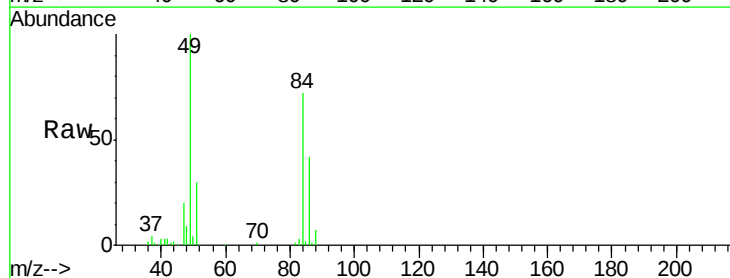
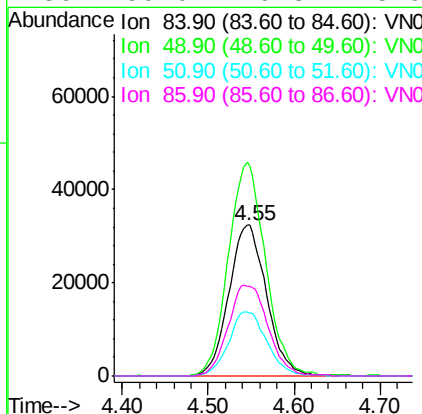
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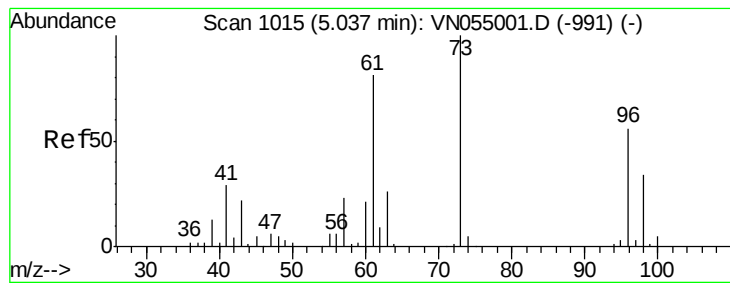
MMDadoda
4/16/2019 1:58:04 PM



#20
Methylene Chloride
Concen: 19.260 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 84 Resp: 98563
Ion Ratio Lower Upper
84 100
49 139.1 109.4 164.2
51 41.7 32.2 48.4
86 59.0 49.3 73.9





#21

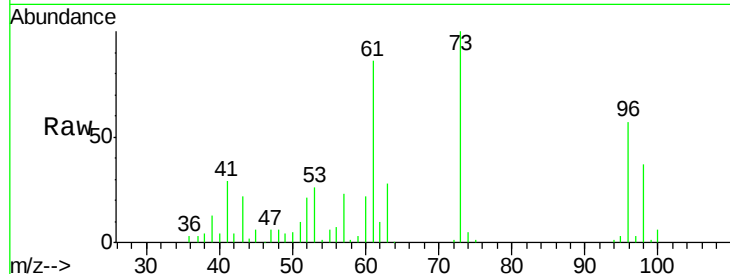
trans-1,2-Dichloroethene
Concen: 18.752 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	114.9	172.3
98	65.1	48.4	72.6

Manual Integrations
APPROVED

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4/16/2019 1:58:04 PM

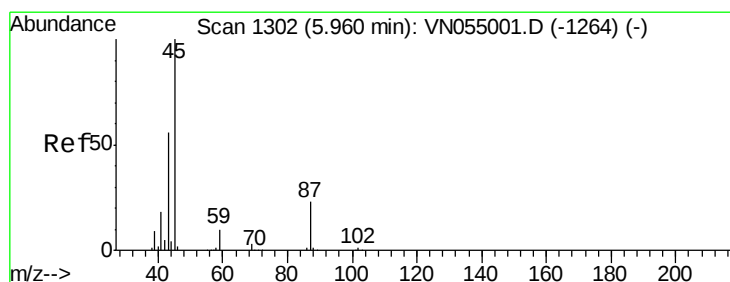
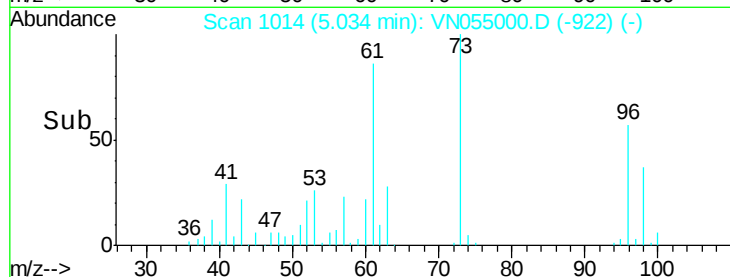
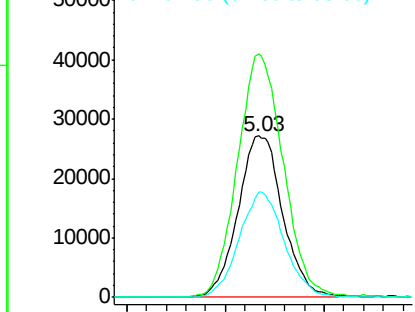


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 19.845 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	44.8	67.2
87	23.1	18.9	28.3
59	10.7	7.9	11.9

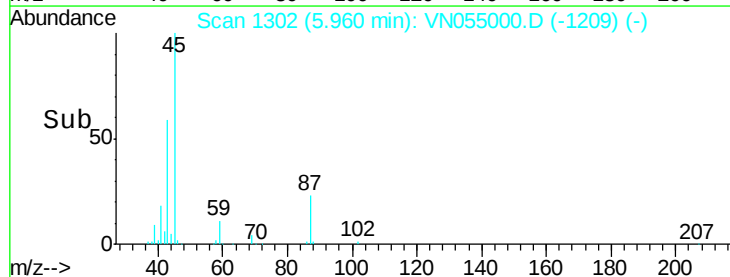
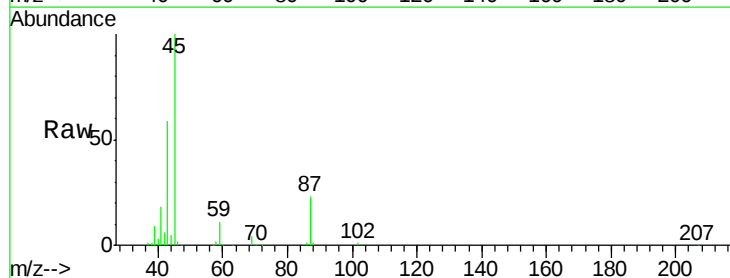
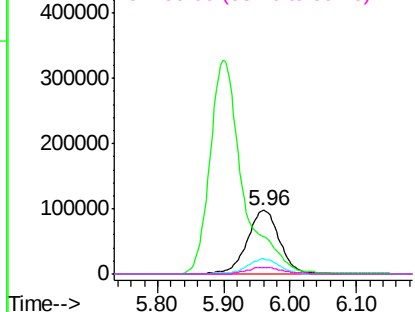
Abundance

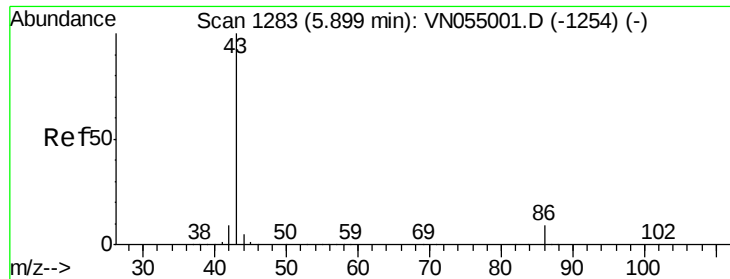
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.907 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1128251

Ion Ratio Lower Upper

43 100

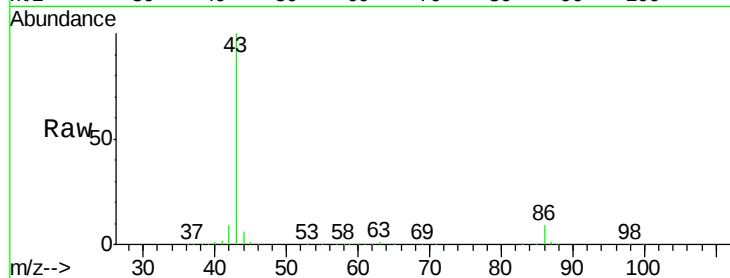
86 8.6 7.0 10.4

Manual Integrations

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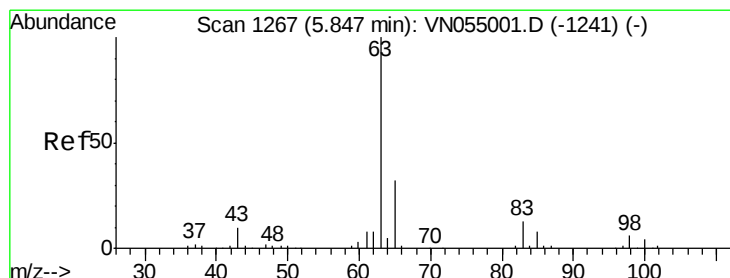
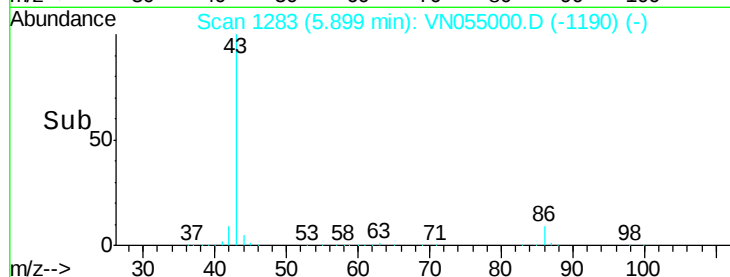
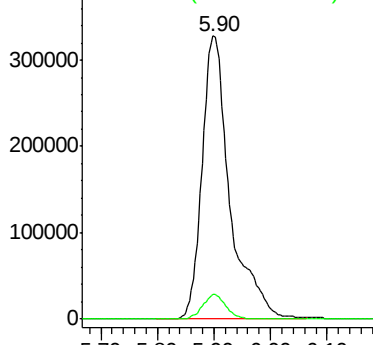
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.218 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

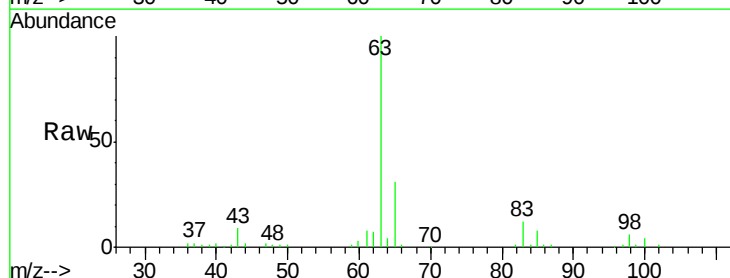
Tgt Ion: 63 Resp: 174583

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

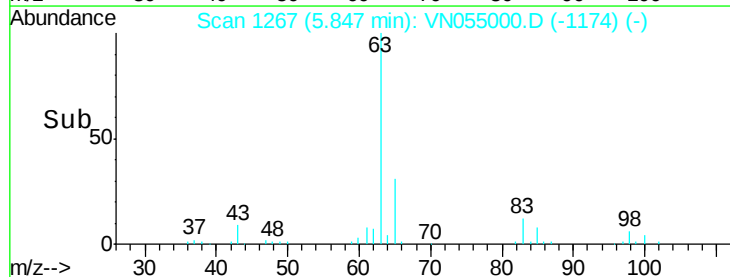
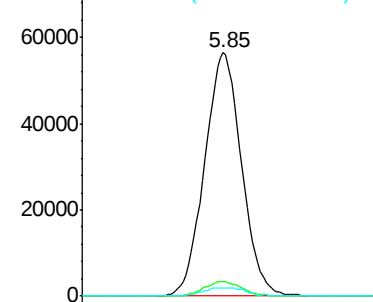
100 3.5 2.0 5.8

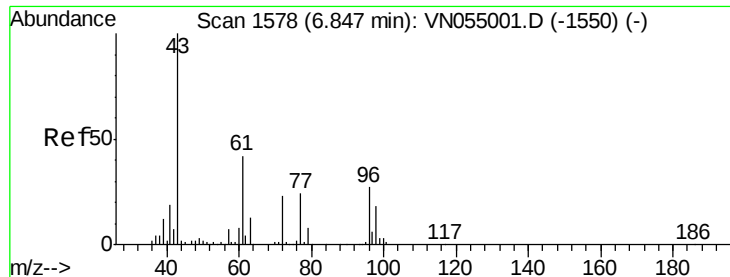


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 108.456 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 226984

Ion Ratio Lower Upper

43 100

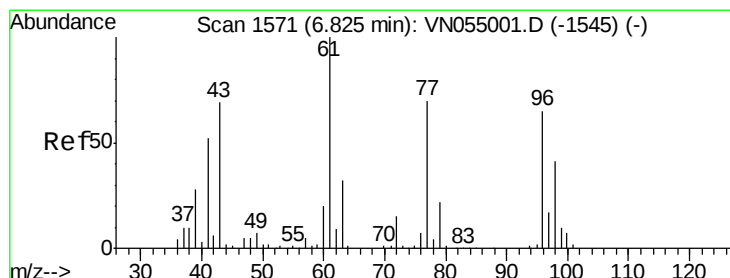
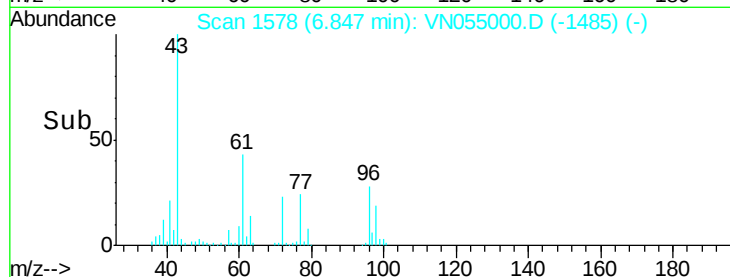
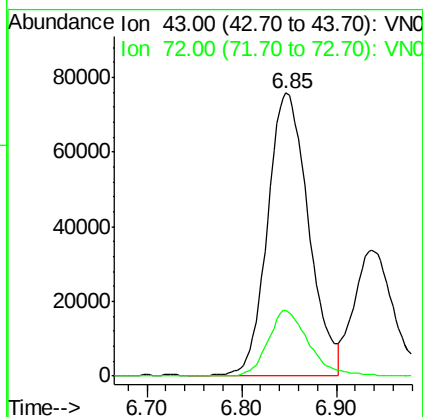
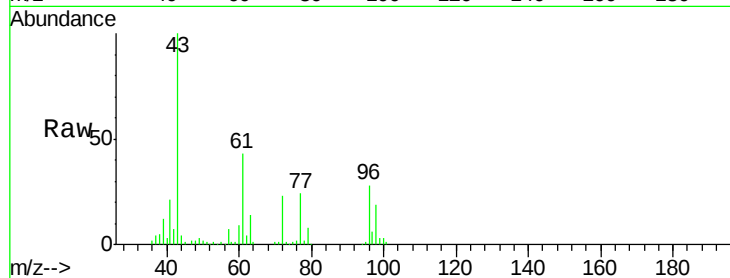
72 23.2 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 17.606 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055000.D

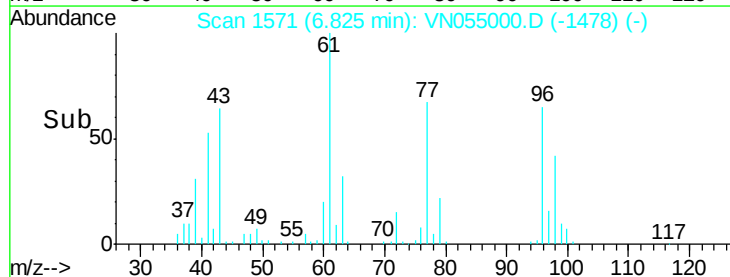
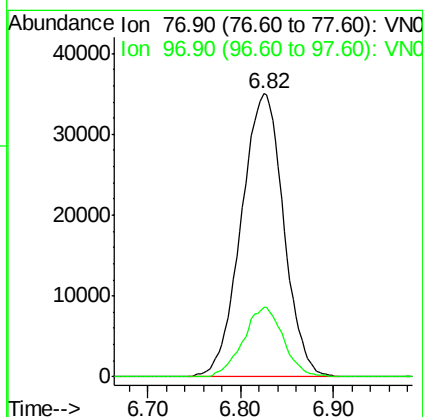
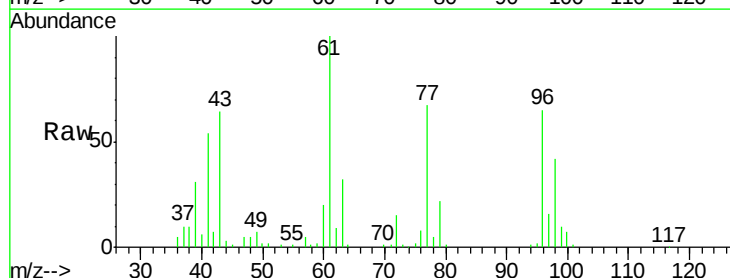
Acq: 12 Apr 2019 15:39

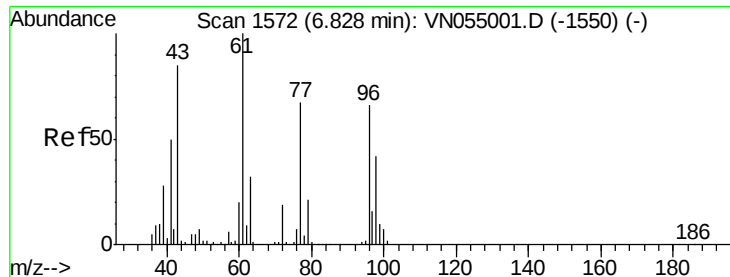
Tgt Ion: 77 Resp: 111393

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 19.310 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

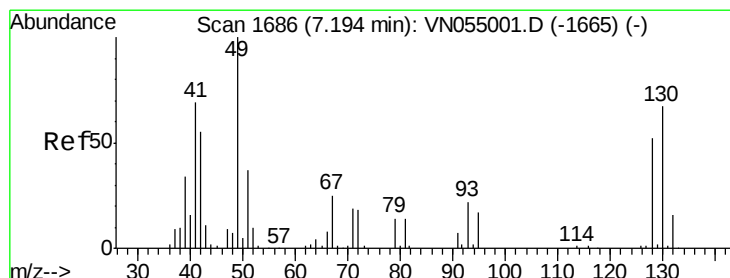
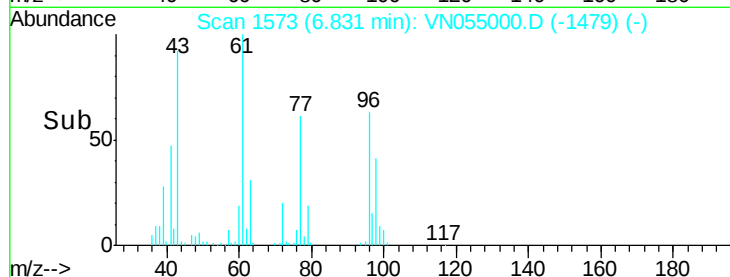
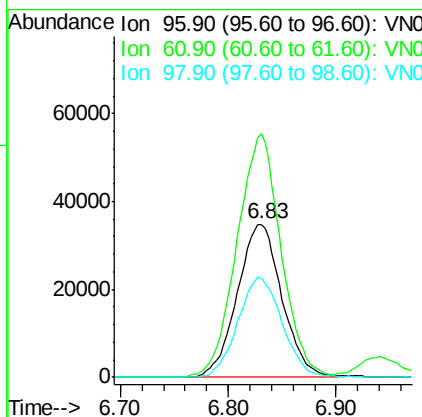
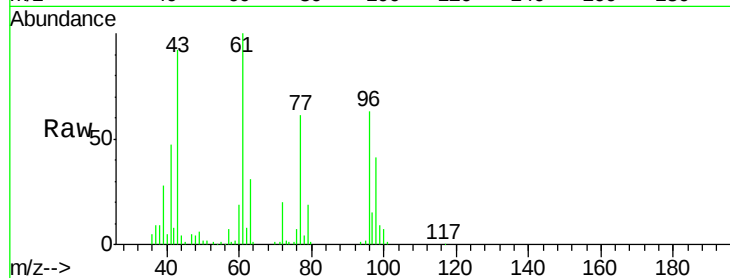
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	100213
Ion Ratio	Lower	Upper	
96	100		
61	156.5	0.0	311.0
98	64.9	0.0	127.4

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#28

Bromochloromethane

Concen: 20.089 ug/l

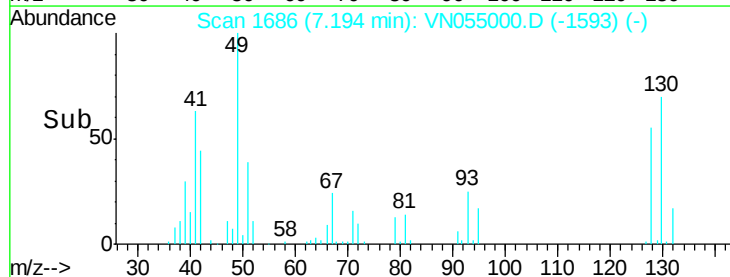
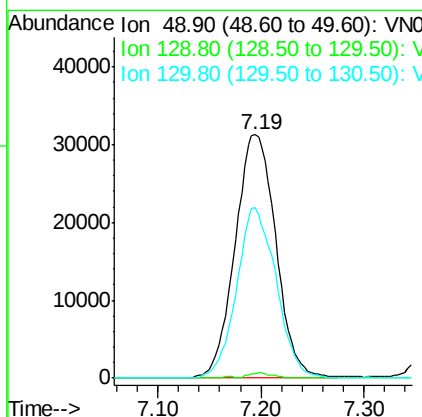
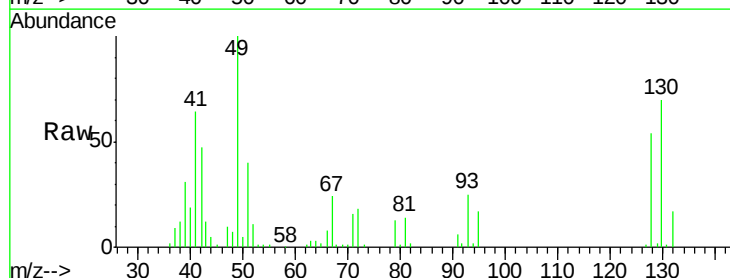
RT: 7.19 min Scan# 1686

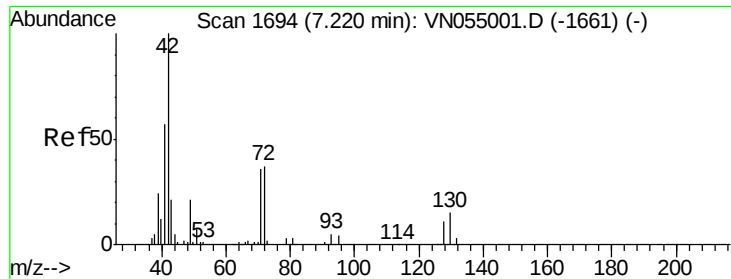
Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	49	Resp:	86176
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	2.0
130	67.7	53.4	80.2





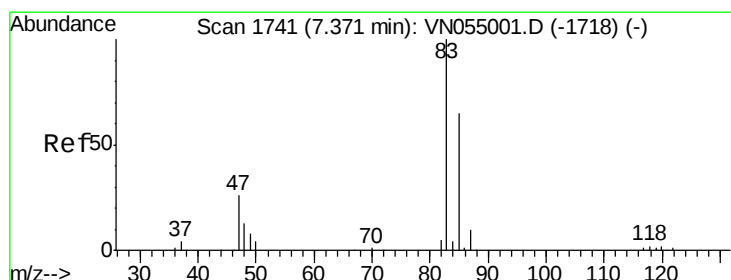
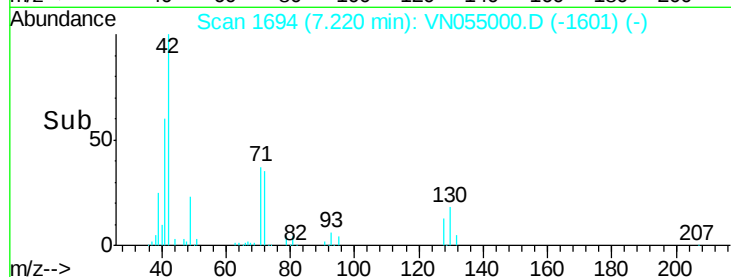
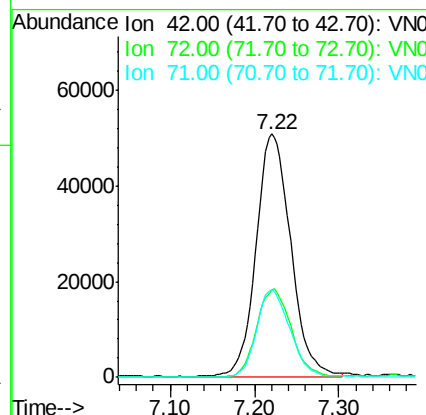
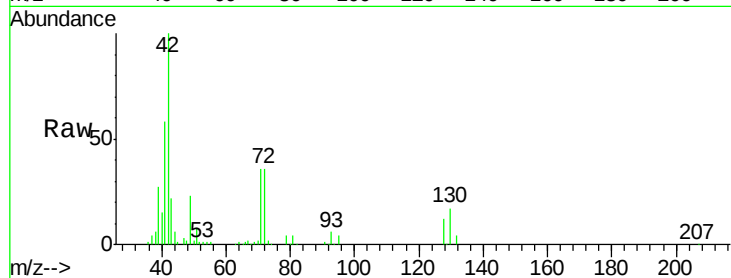
#29
Tetrahydrofuran
Concen: 104.618 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	35.2	27.8	41.6

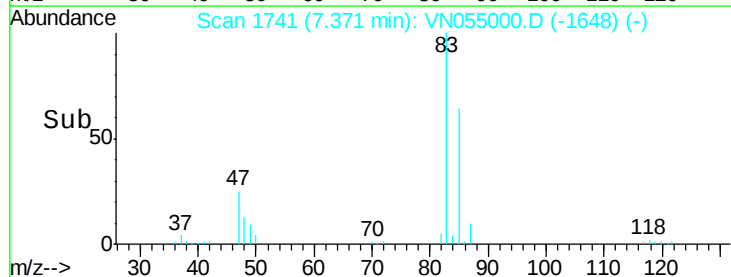
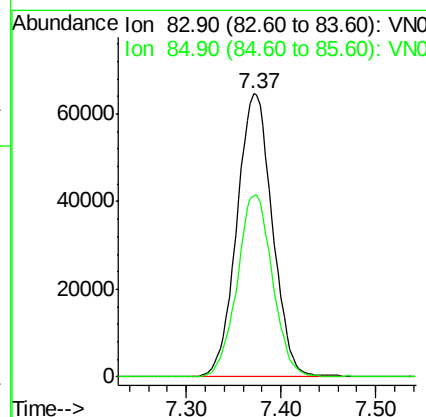
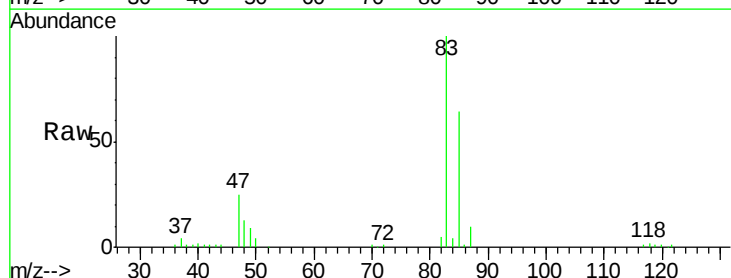
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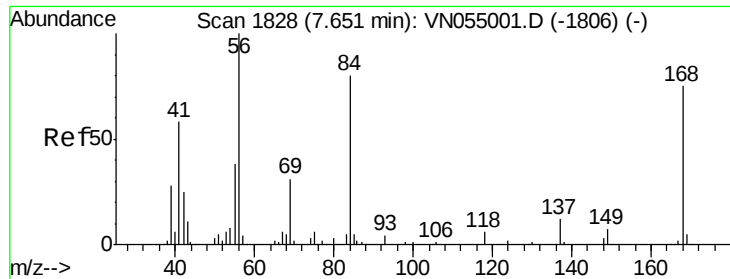
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#30
Chloroform
Concen: 19.576 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6





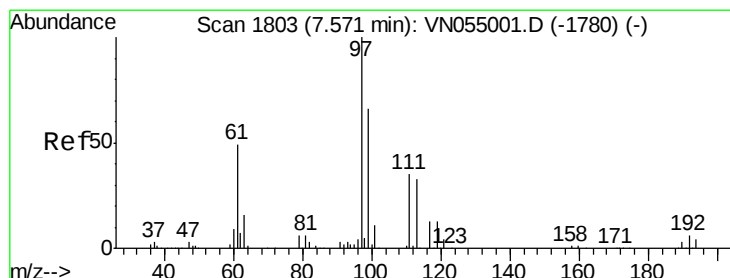
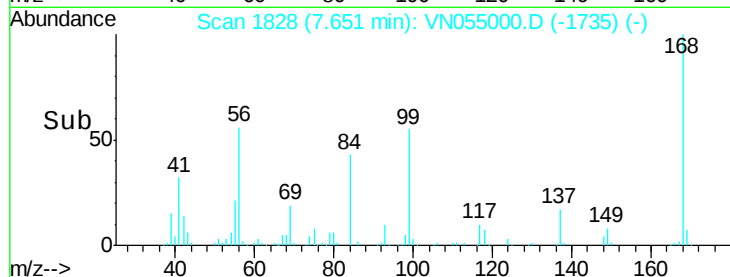
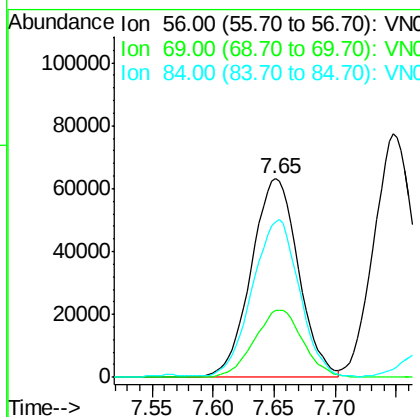
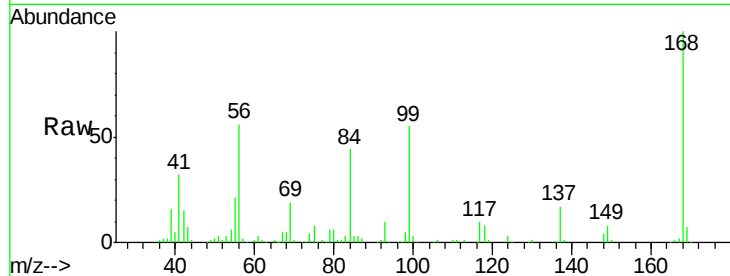
#31
Cyclohexane
Concen: 16.327 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.5	36.7
84	77.6	62.9	94.3

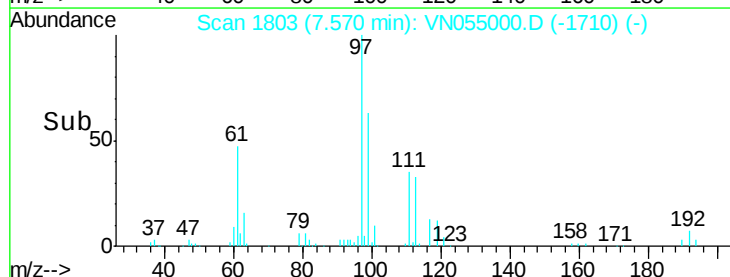
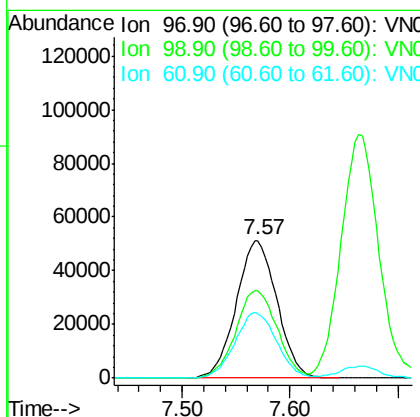
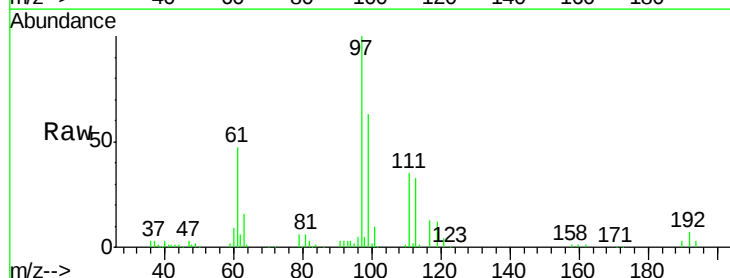
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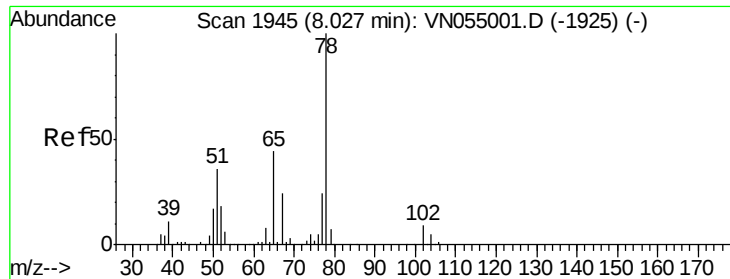
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#32
1,1,1-Trichloroethane
Concen: 18.526 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	49.0	38.3	57.5





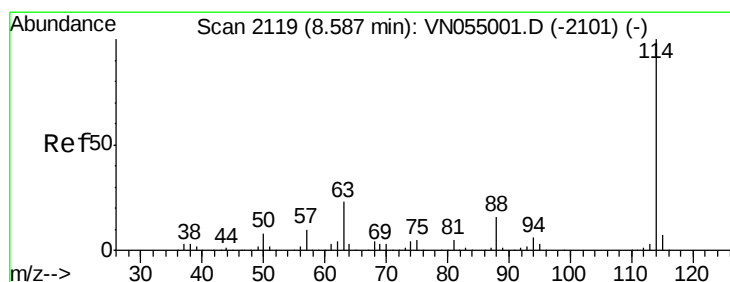
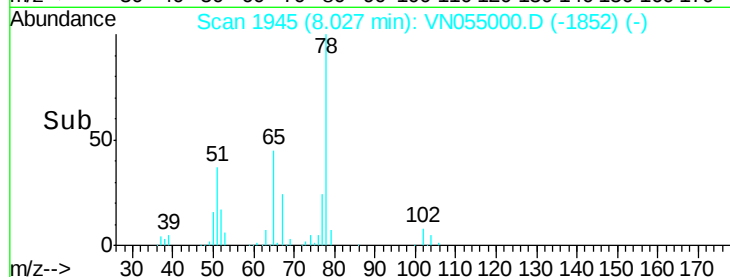
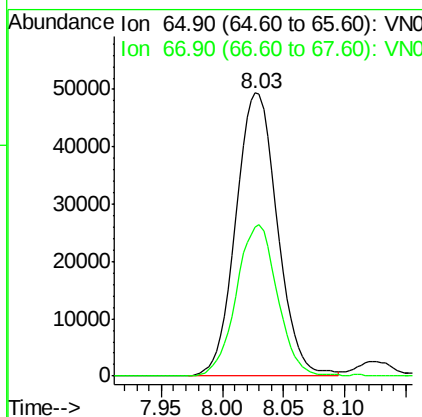
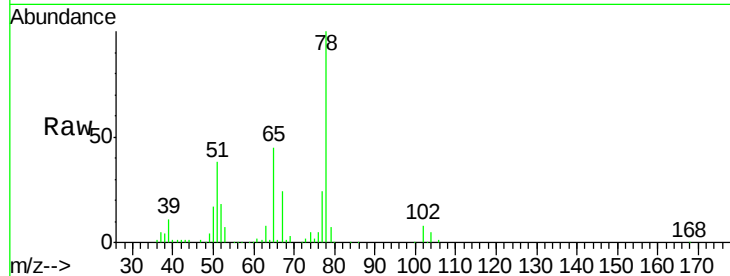
#33
 1,2-Dichloroethane-d4
 Concen: 21.101 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	106.4	

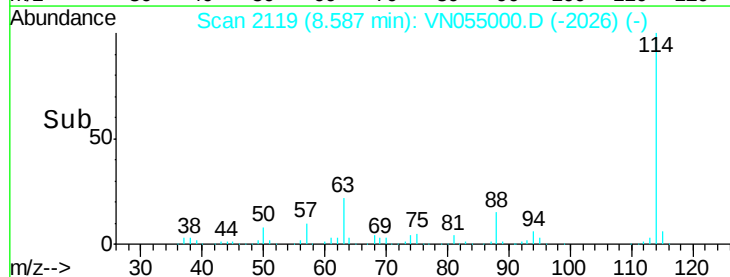
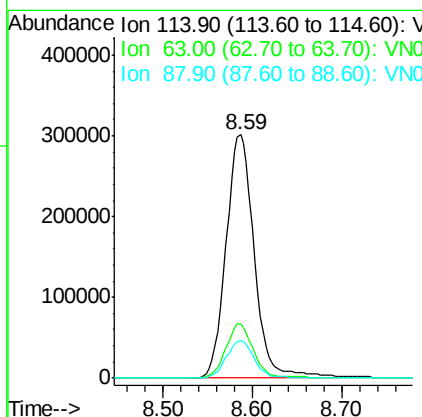
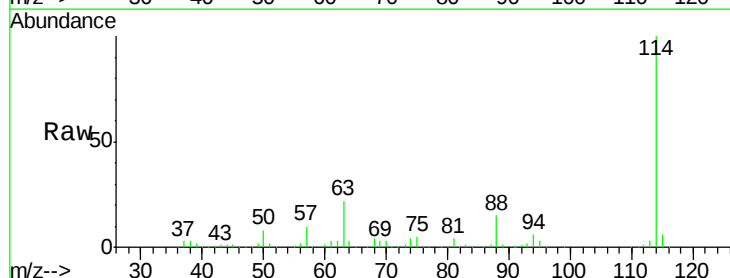
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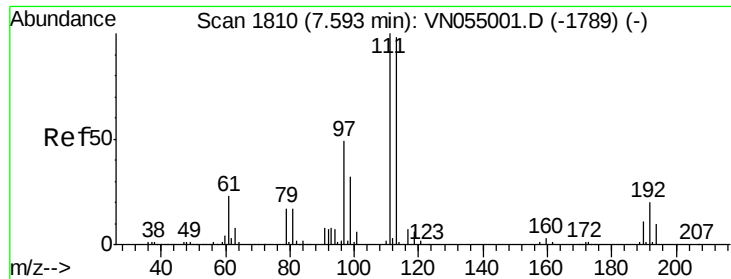
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	45.2	
88	15.3	0.0	31.8	





#35

Dibromofluoromethane

Concen: 21.433 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

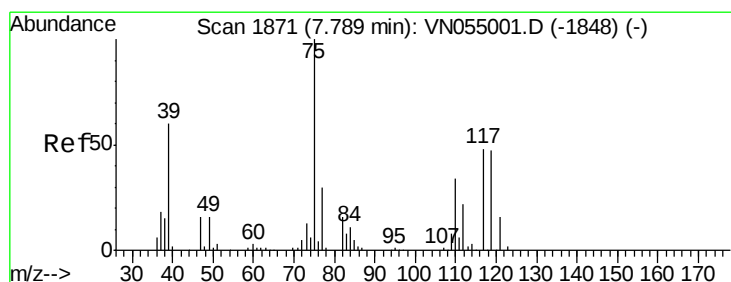
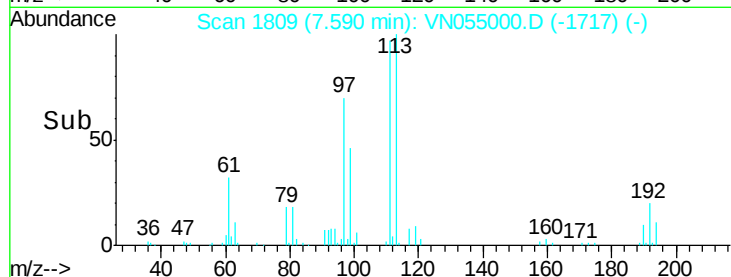
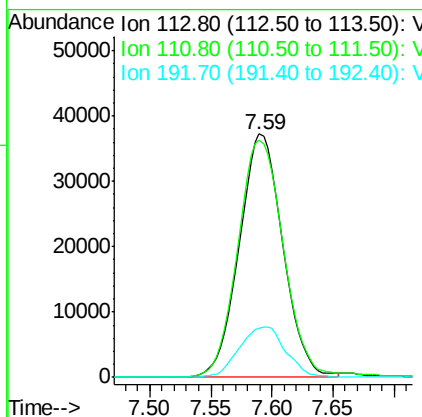
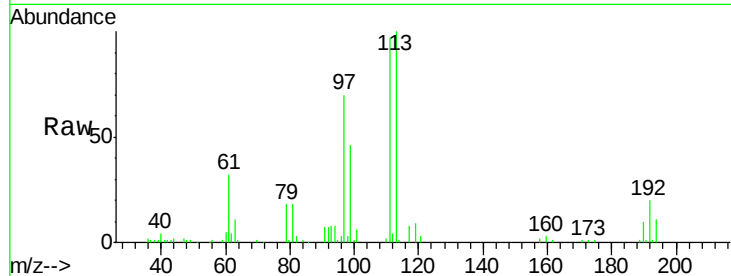
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	92248
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.1	123.1
192	22.0	16.5	24.7

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#36

1,1-Dichloropropene

Concen: 18.685 ug/l

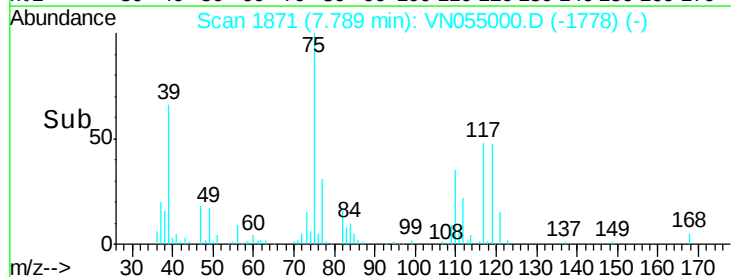
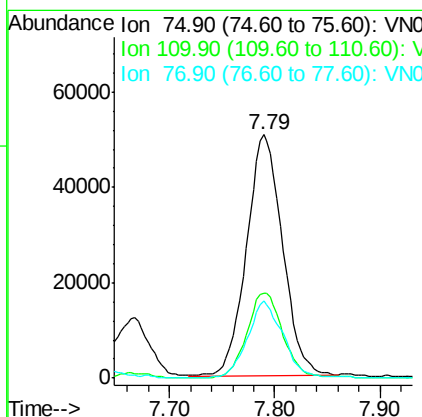
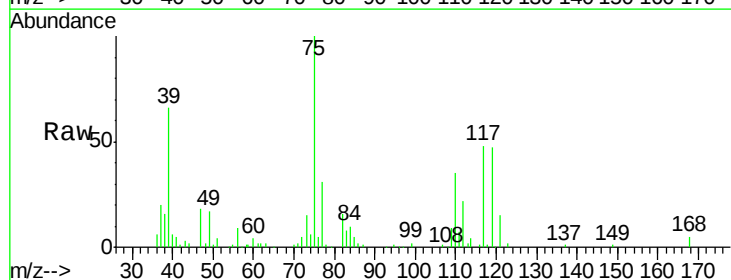
RT: 7.79 min Scan# 1871

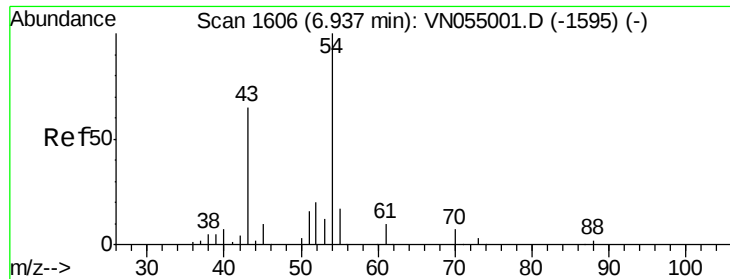
Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	75	Resp:	120687
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.5	52.5
77	31.4	24.9	37.3





#37

Ethyl Acetate

Concen: 21.322 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

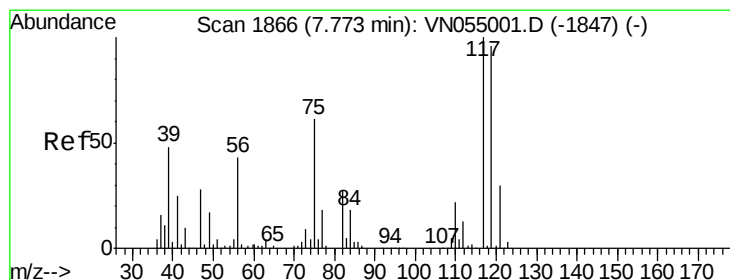
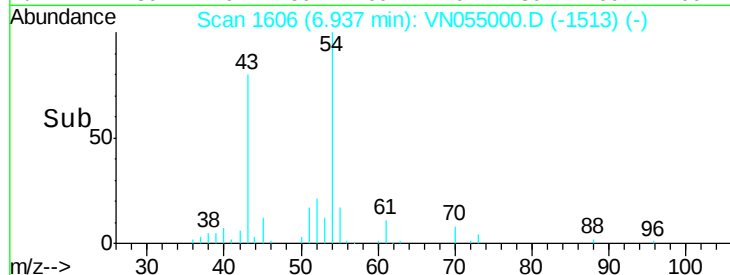
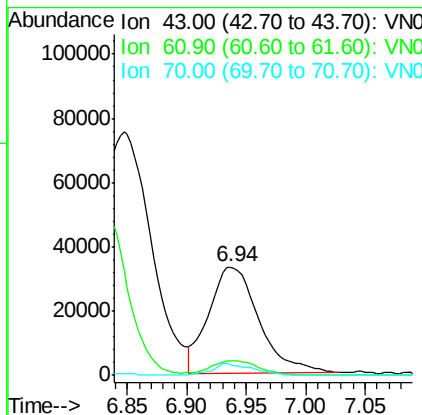
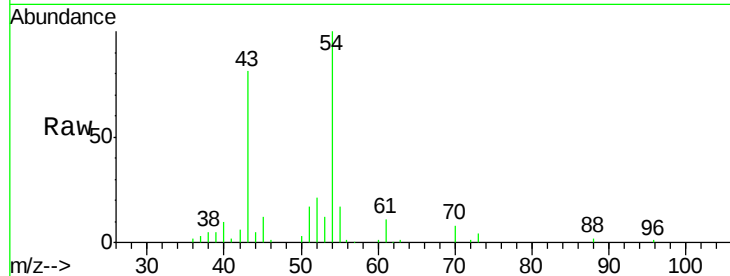
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	96793
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	8.8	7.1	10.7

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#38

Carbon Tetrachloride

Concen: 17.867 ug/l

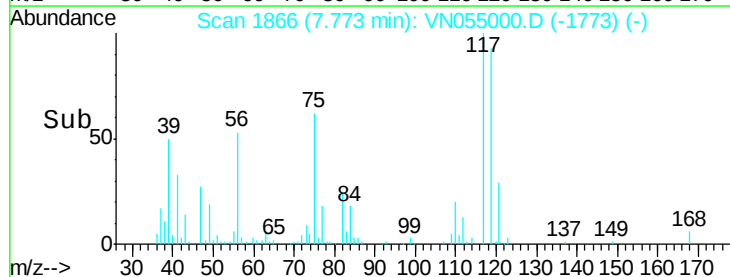
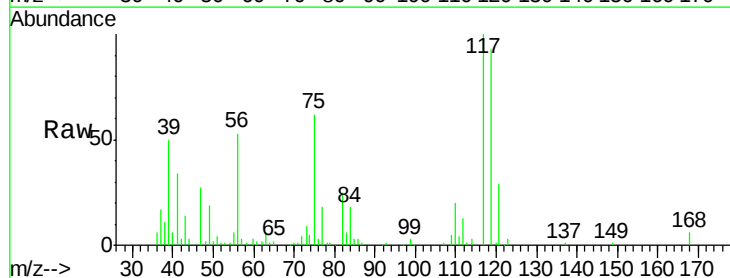
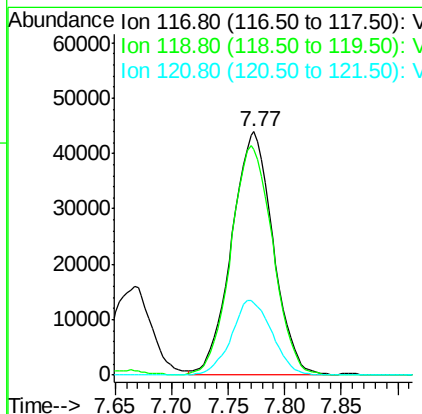
RT: 7.77 min Scan# 1866

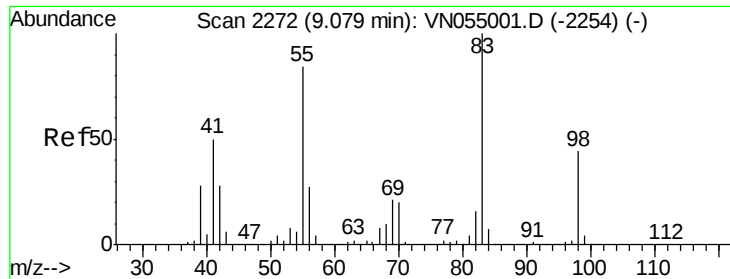
Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	117	Resp:	111074
Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.3	114.5
121	29.6	23.9	35.9





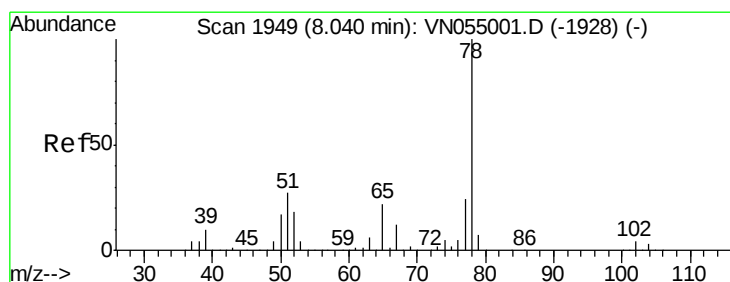
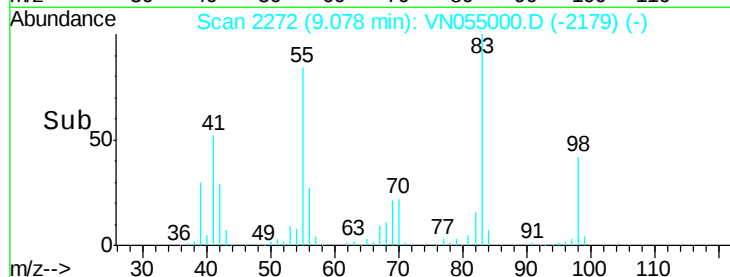
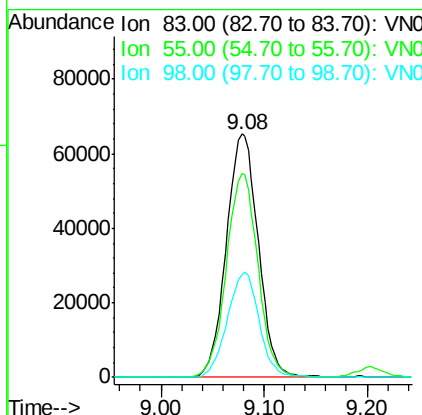
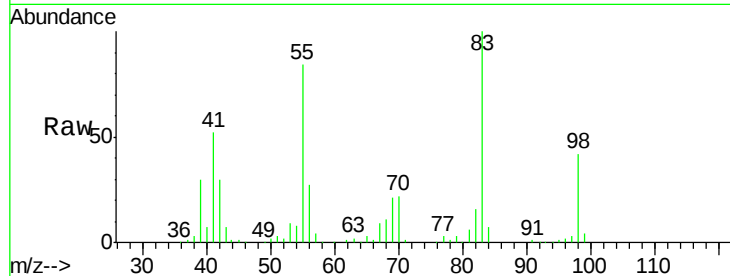
#39
Methvlcvclohexane
Concen: 19.795 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	140879
Ion Ratio	Lower	Upper	
83	100		
55	84.0	67.0	100.4
98	42.4	35.6	53.4

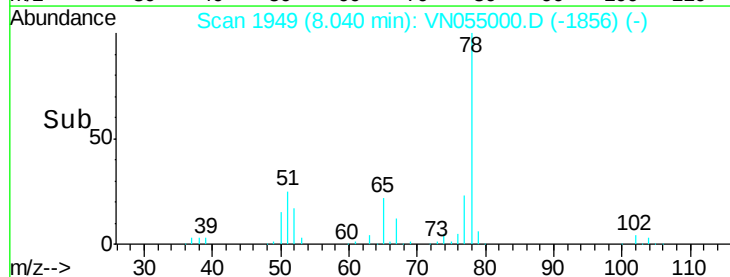
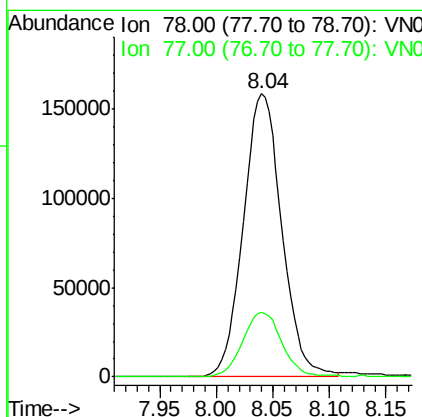
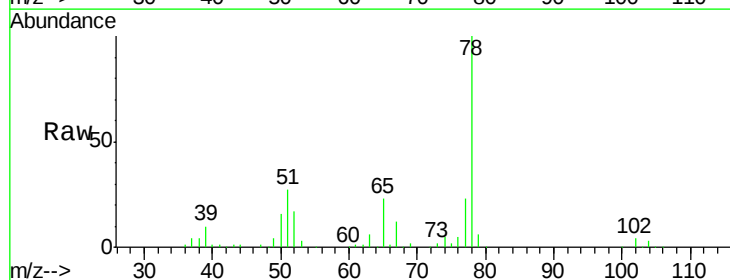
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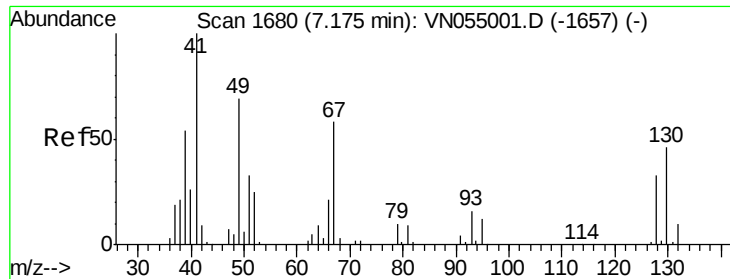
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#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	78	Resp	375499
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.8	28.2





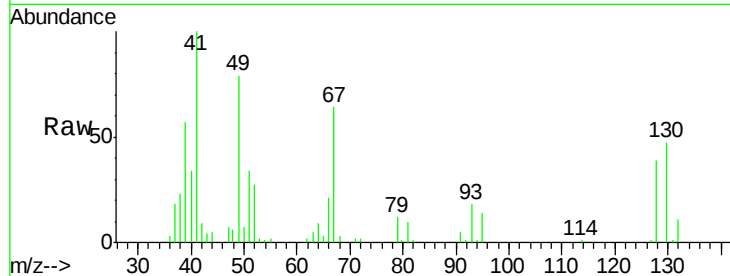
#41
Methacrylonitrile
Concen: 20.086 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

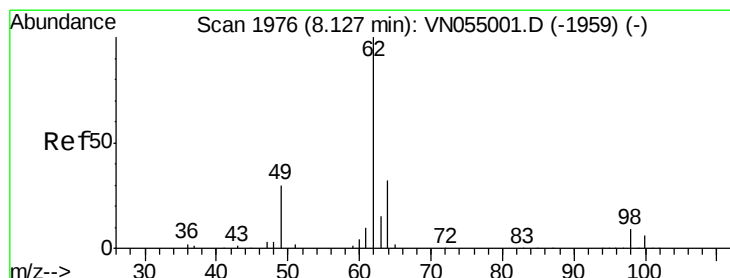
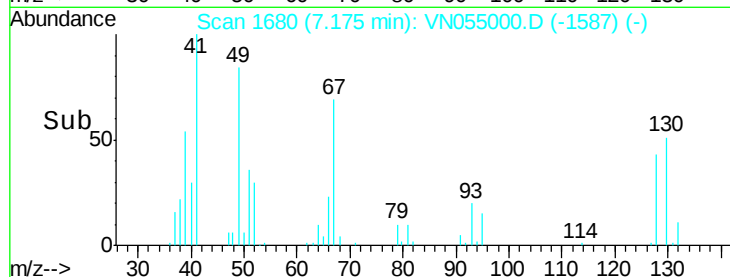
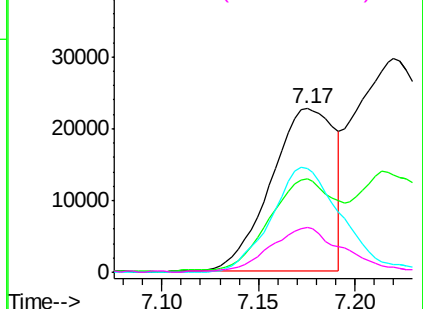
Tot Ion:	41	Resp:	51980
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.6	68.4
67	72.5	57.0	85.6
52	32.0	23.6	35.4

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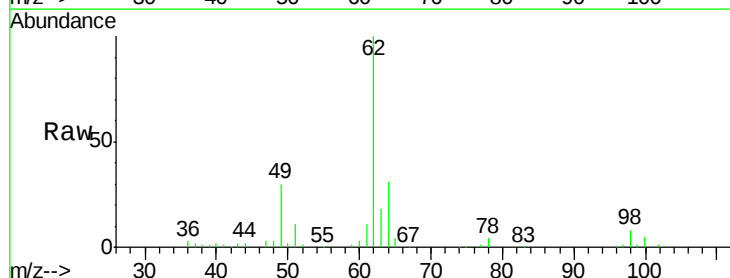


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

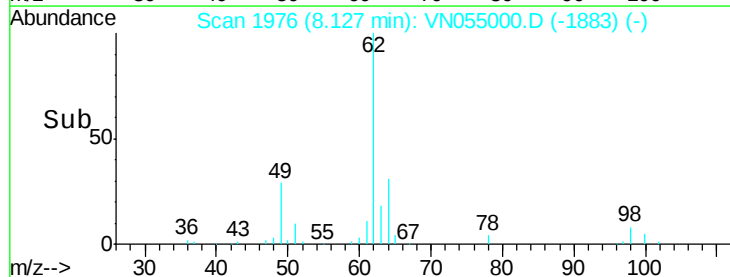
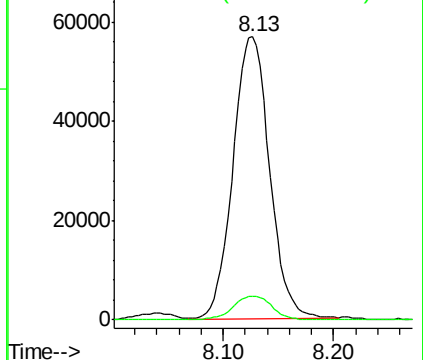


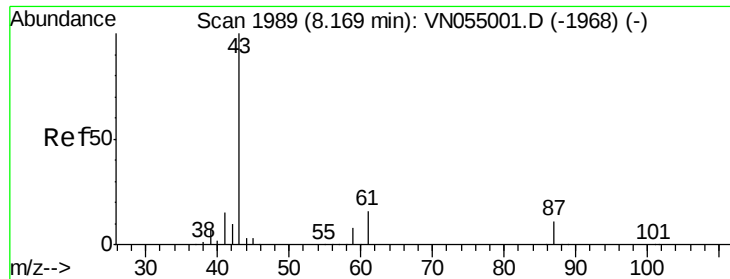
#42
1,2-Dichloroethane
Concen: 19.877 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:	62	Resp:	130838
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.259 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

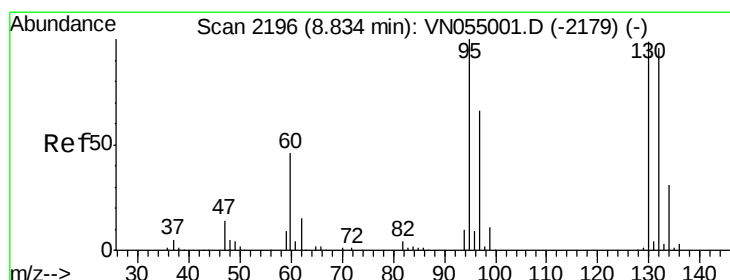
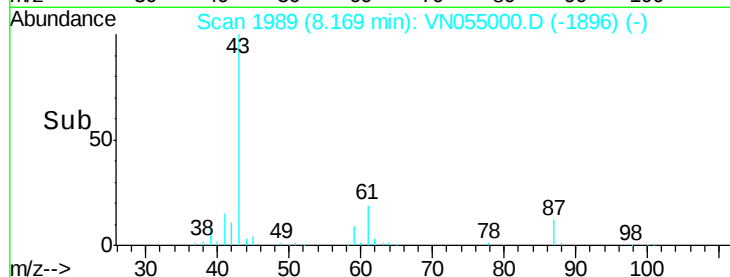
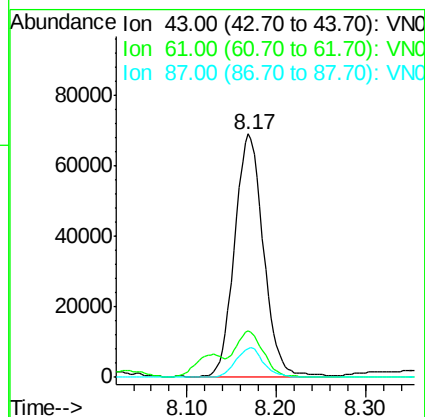
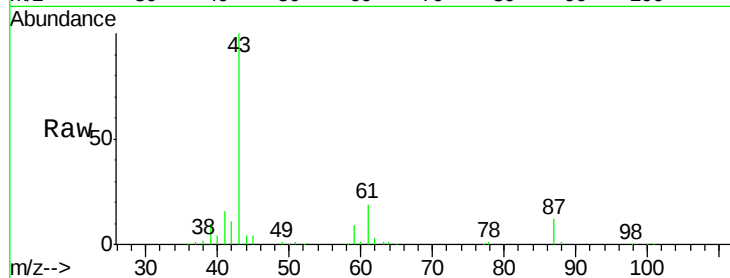
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	154746
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.3	21.5
87	11.6	8.6	13.0

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#44

Trichloroethene

Concen: 19.629 ug/l

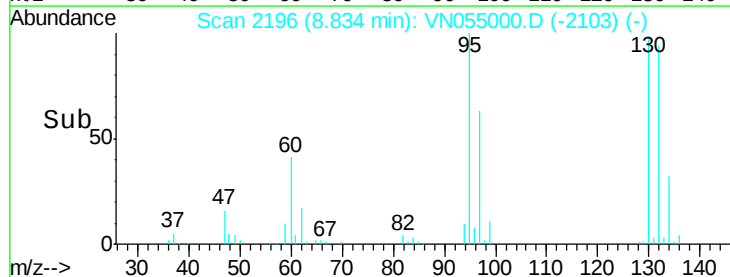
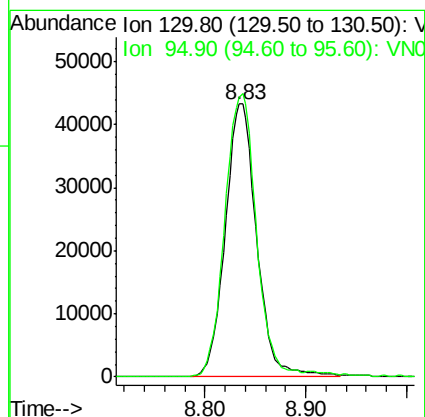
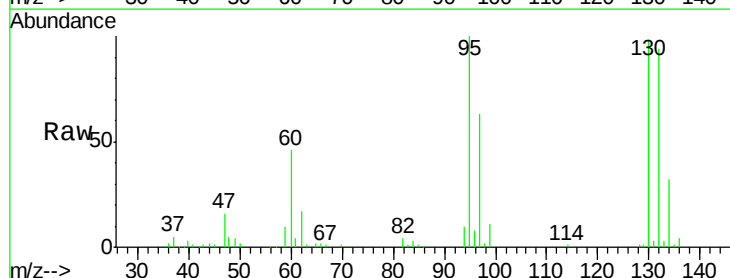
RT: 8.83 min Scan# 2196

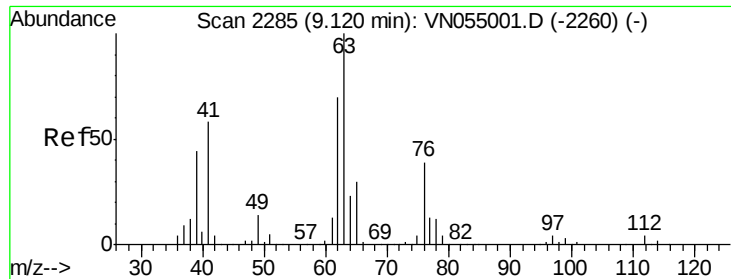
Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	130	Resp:	93907
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	201.6





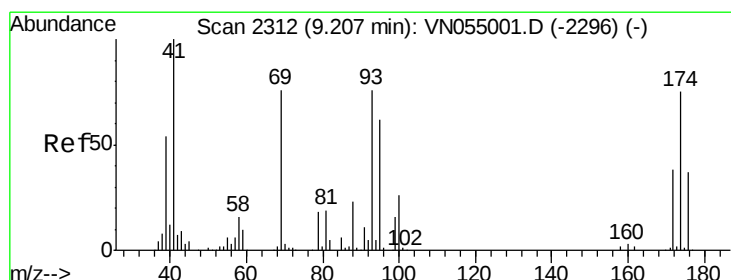
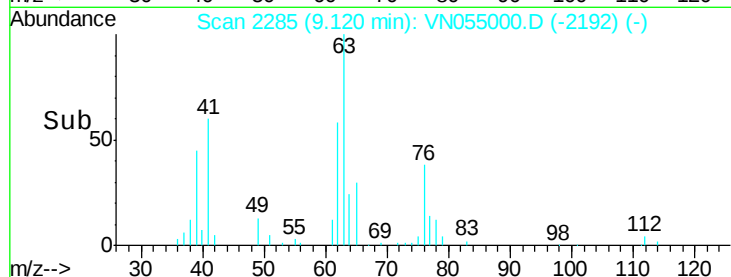
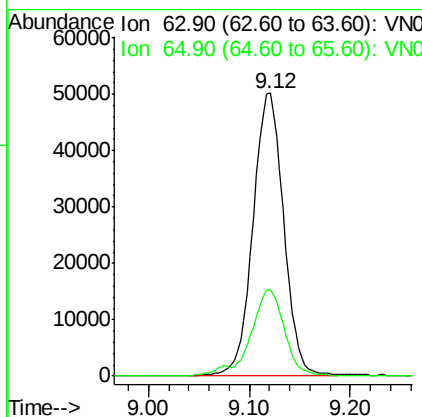
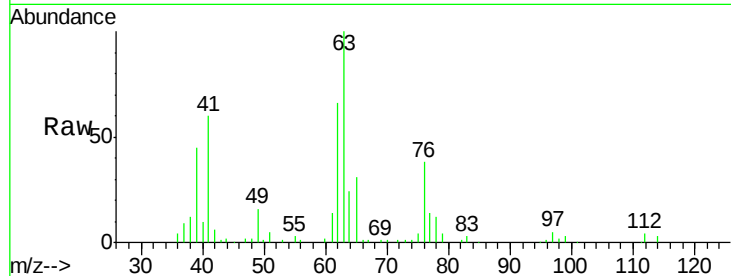
#45
 1,2-Dichloropropane
 Concen: 20.389 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 106219
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.4 36.6

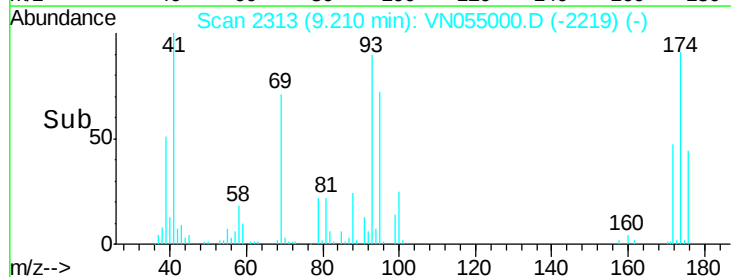
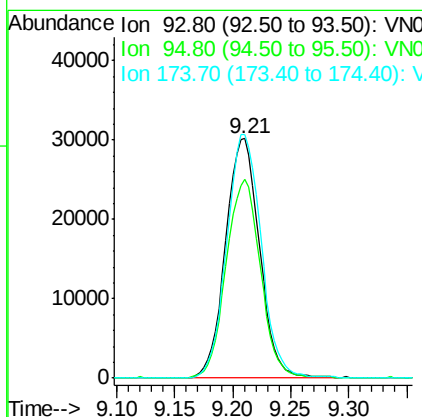
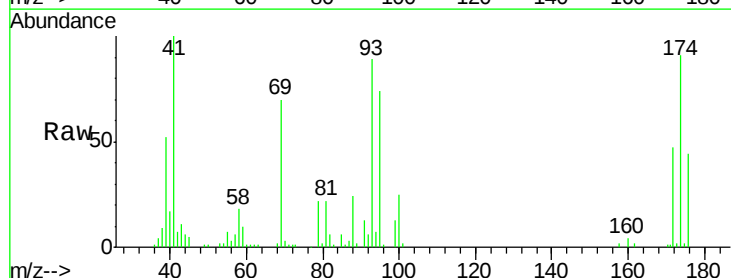
Manual Integrations
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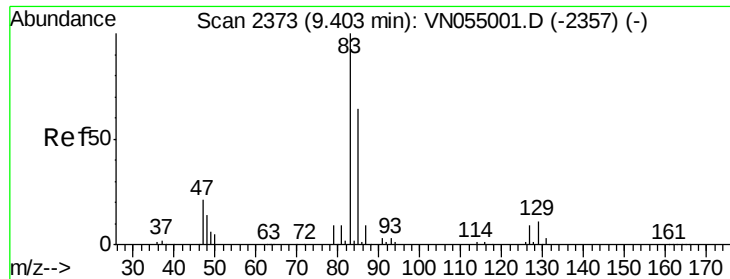
MMDadoda
 4/16/2019 1:58:04 PM



#46
 Dibromomethane
 Concen: 20.535 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion: 93 Resp: 61170
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.0 97.6
 174 103.2 81.0 121.6





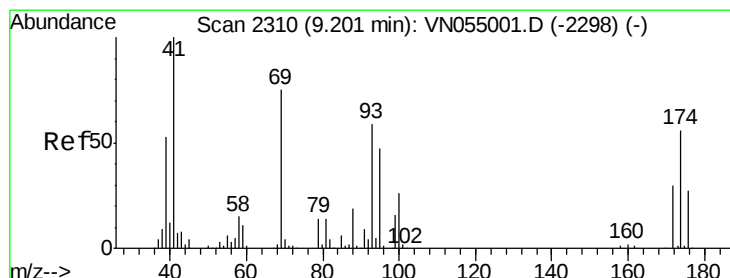
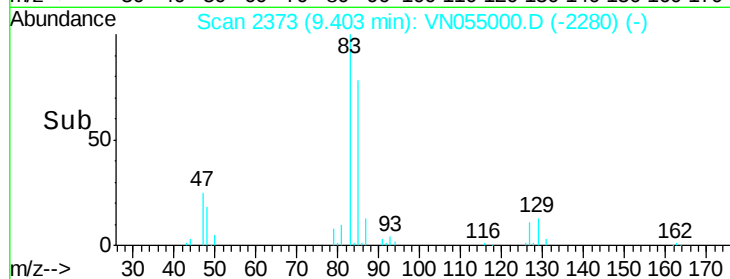
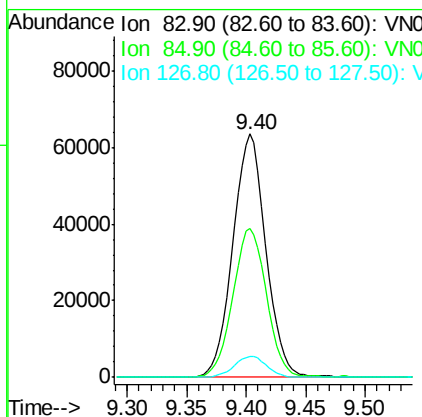
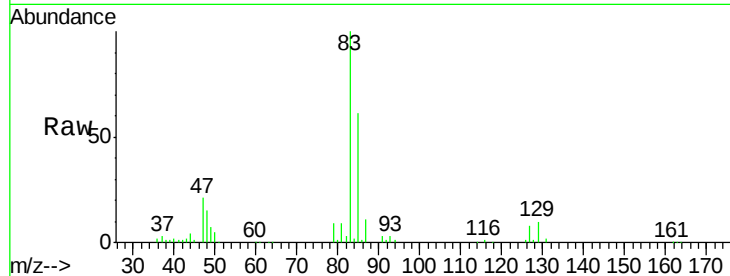
#47
Bromodichloromethane
Concen: 19.690 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	122257
Ion Ratio	Lower	Upper	
83	100		
85	61.4	51.2	76.8
127	8.4	6.8	10.2

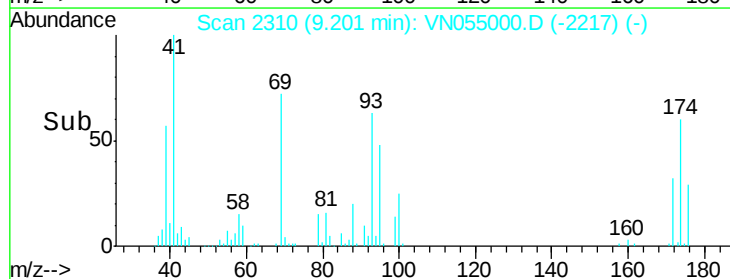
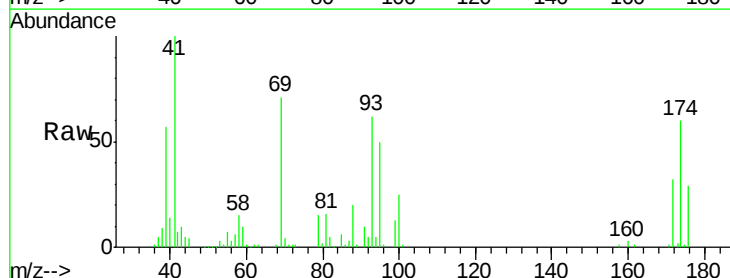
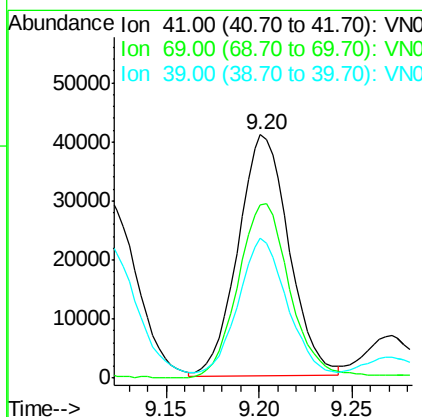
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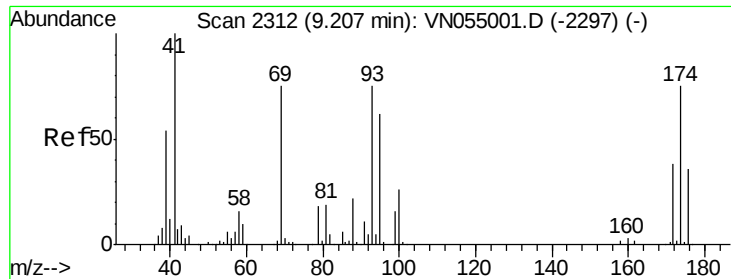
MMDadoda
4/16/2019 1:58:04 PM



#48
Methyl methacrylate
Concen: 20.416 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:	41	Resp:	78403
Ion Ratio	Lower	Upper	
41	100		
69	73.9	60.5	90.7
39	55.4	43.9	65.9





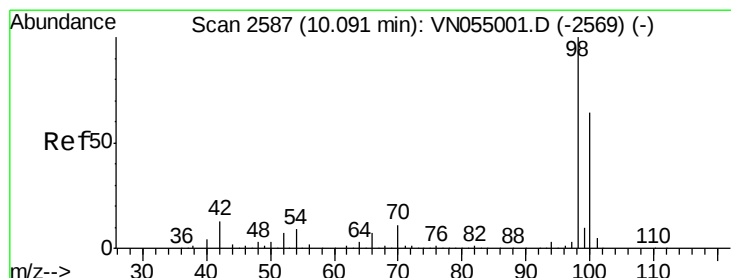
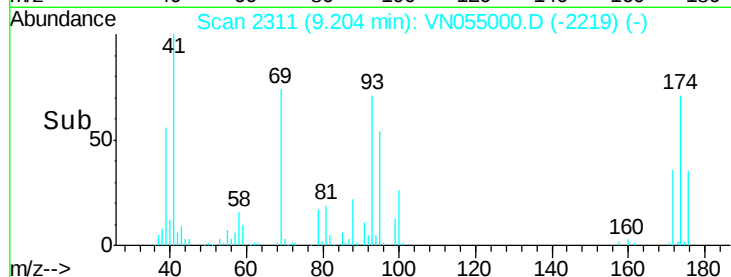
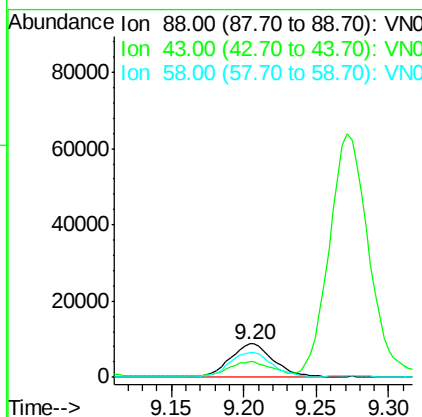
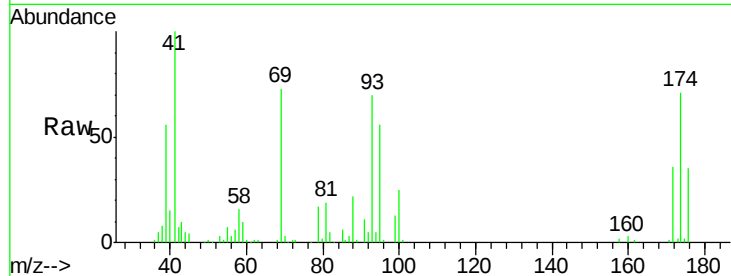
#49
1,4-Dioxane
Concen: 467.147 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	18466
Ion	Ratio	Lower	Upper
88	100		
43	41.0	31.8	47.8
58	72.8	61.6	92.4

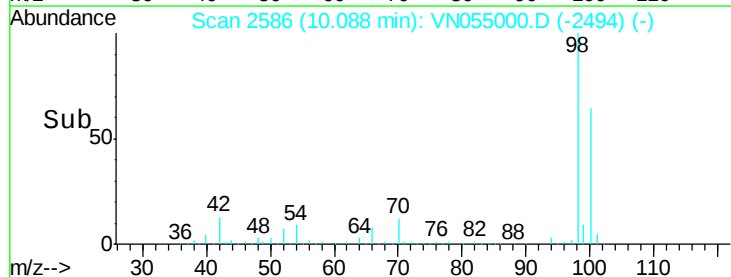
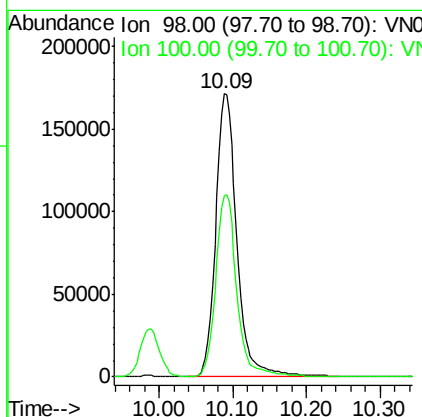
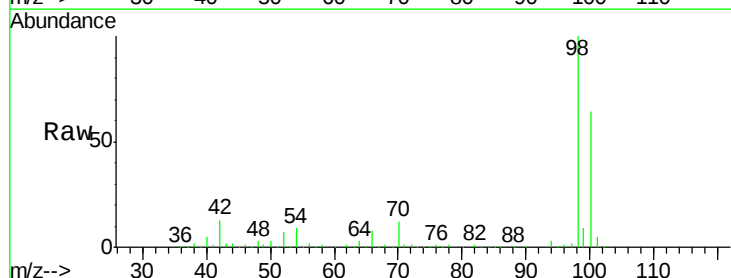
Manual Integrations
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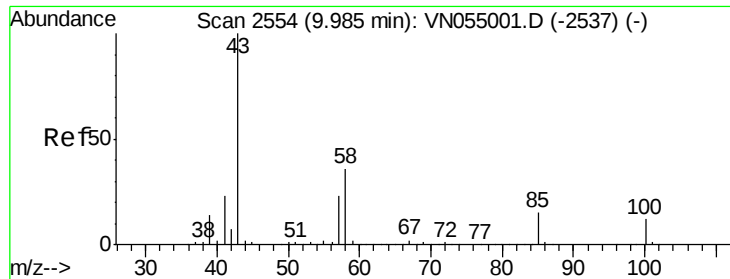
MMDadoda
4/16/2019 1:58:04 PM



#50
Toluene-d8
Concen: 20.996 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	98	Resp	341473
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 106.705 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 457202

Ion Ratio Lower Upper

43 100

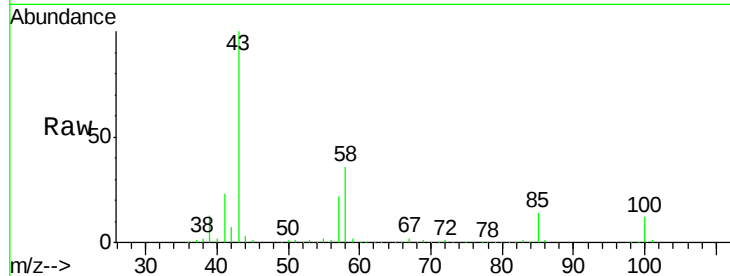
58 35.6 29.0 43.4

Manual Integrations

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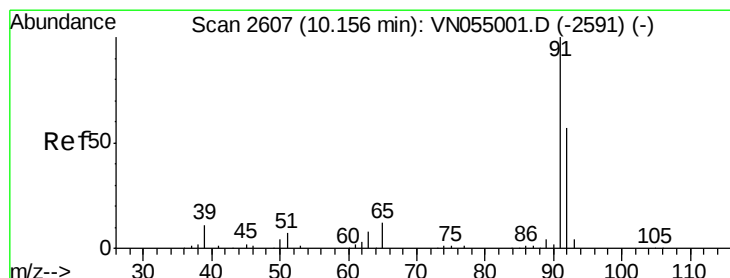
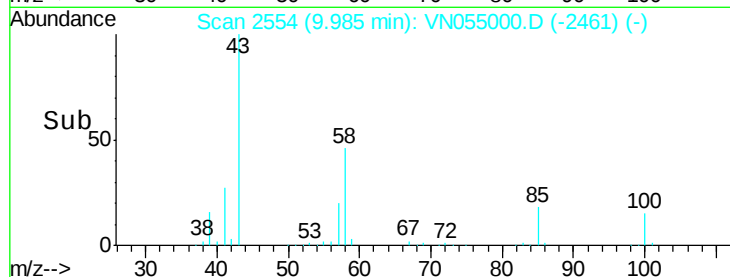
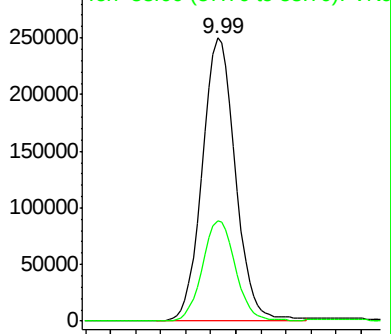
MMDadoda

4/16/2019 1:58:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.432 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055000.D

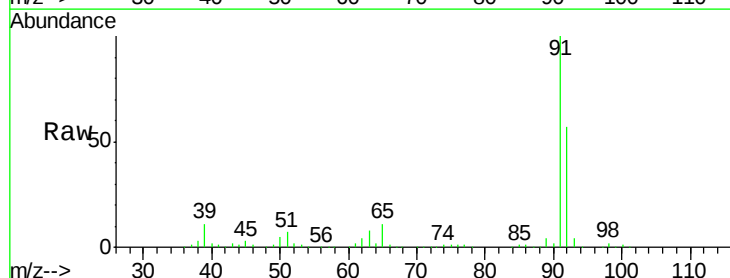
Acq: 12 Apr 2019 15:39

Tgt Ion: 92 Resp: 224751

Ion Ratio Lower Upper

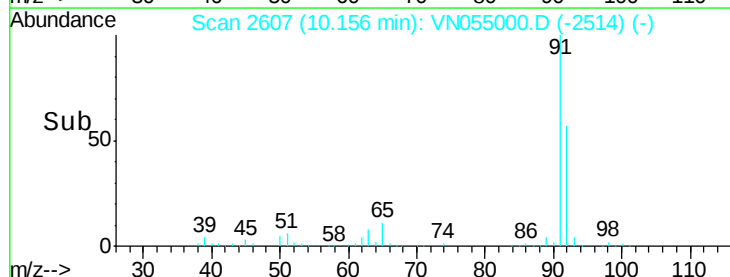
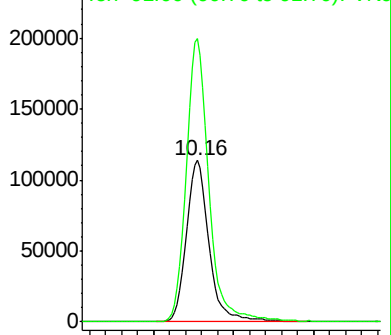
92 100

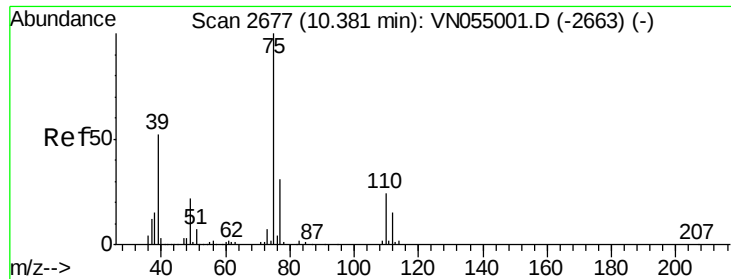
91 174.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





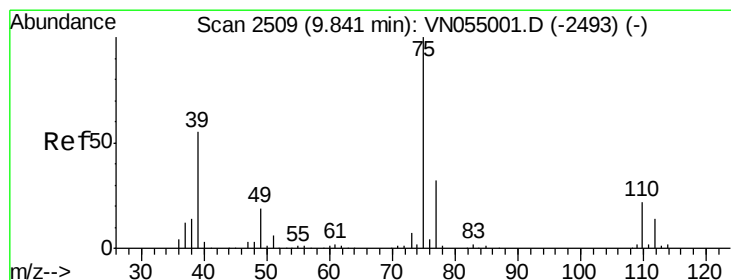
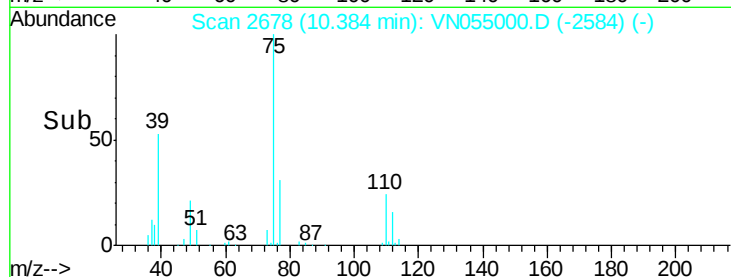
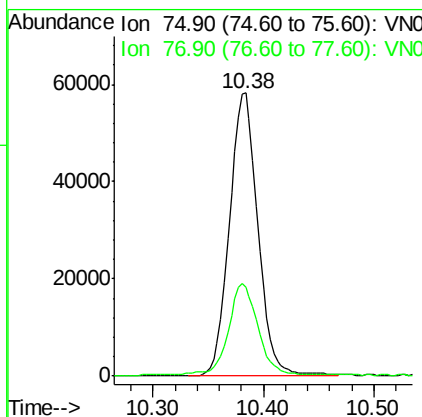
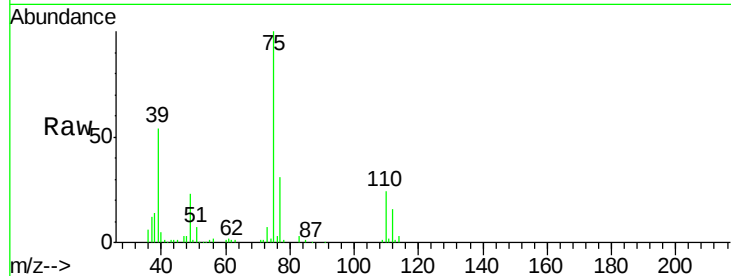
#53
t-1,3-Dichloropropene
Concen: 18.371 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 104668
Ion Ratio Lower Upper
75 100
77 30.7 24.6 37.0

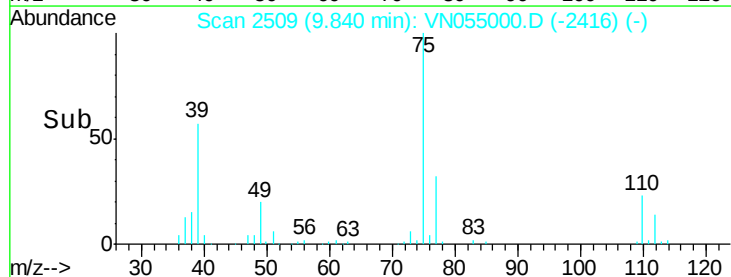
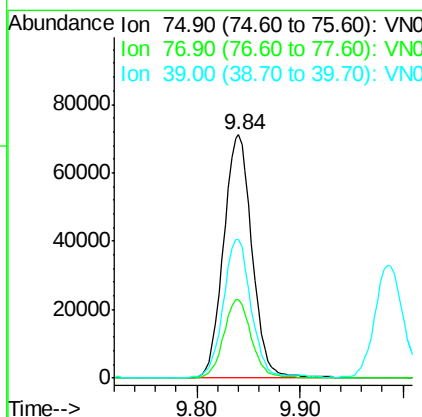
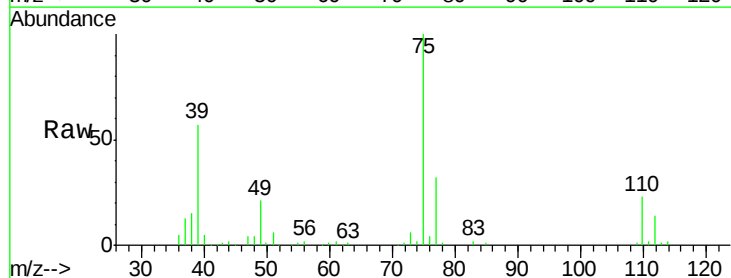
Manual Integrations
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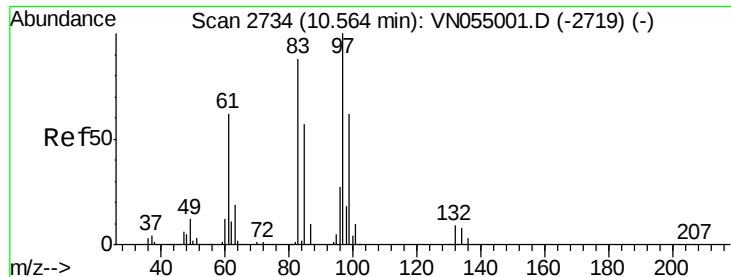
MMDadoda
4/16/2019 1:58:04 PM



#54
cis-1,3-Dichloropropene
Concen: 19.673 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 75 Resp: 137156
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
39 56.7 43.8 65.8





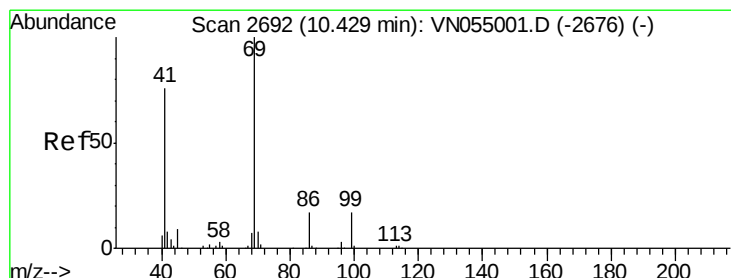
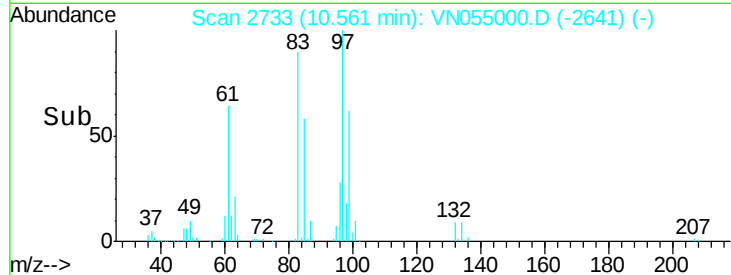
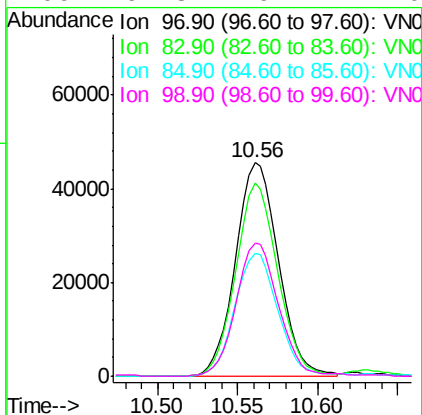
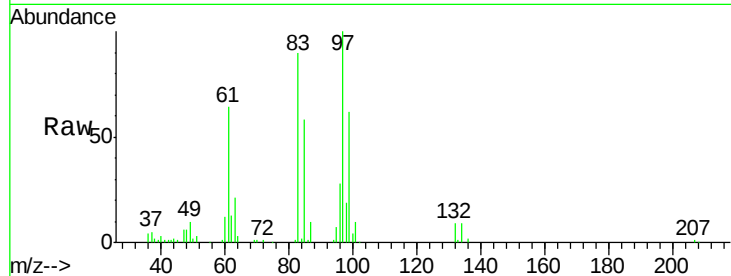
#55
 1,1,2-Trichloroethane
 Concen: 20.720 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.5	105.7
85	57.8	45.5	68.3
99	62.3	49.4	74.0

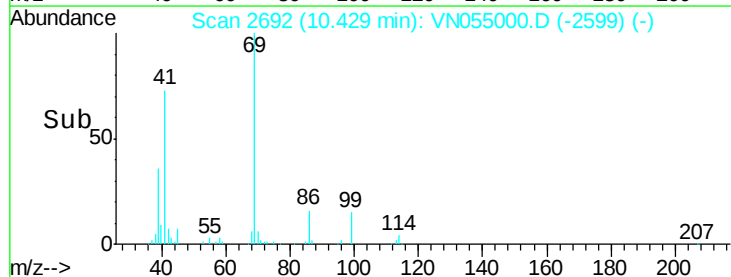
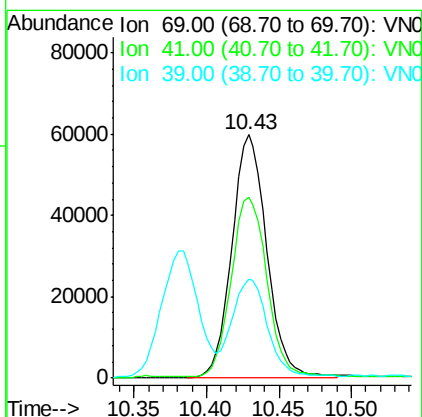
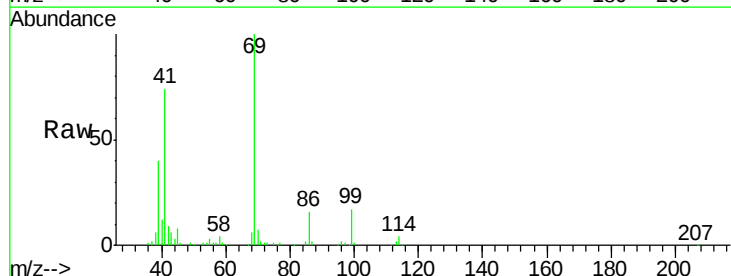
Manual Integrations
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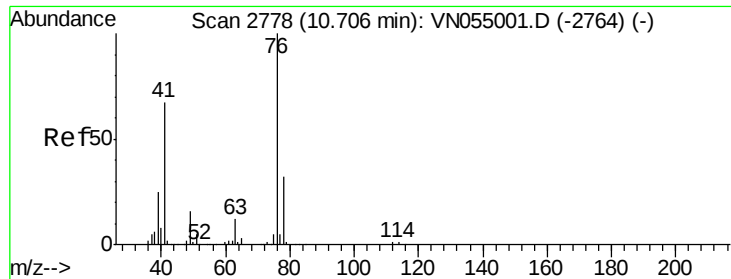
MMDadoda
 4/16/2019 1:58:04 PM



#56
 Ethyl methacrylate
 Concen: 19.197 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.6	61.4	92.0
39	39.8	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.910 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 146945

Ion Ratio Lower Upper

76 100

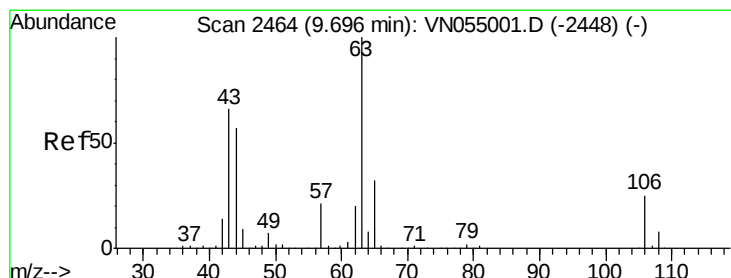
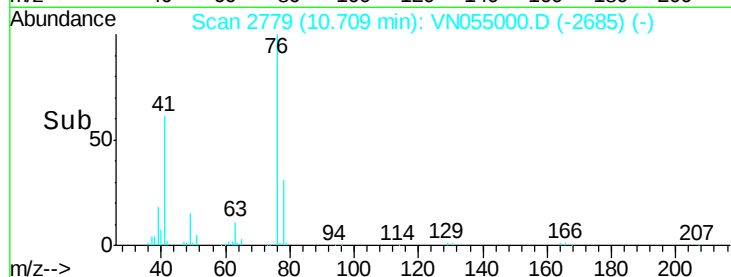
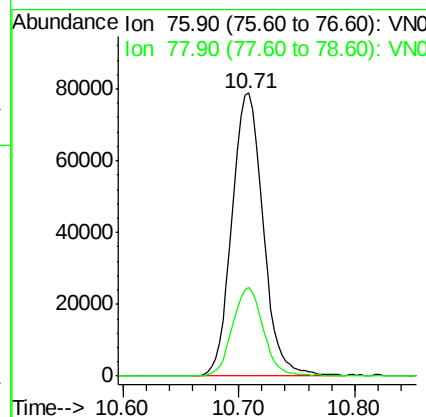
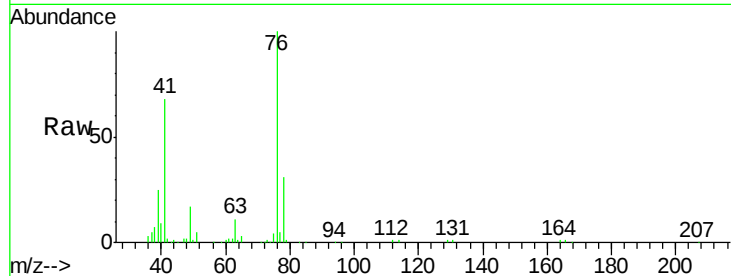
78 30.9 25.6 38.4

Manual Integrations

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MMDadoda

4/16/2019 1:58:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.128 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055000.D

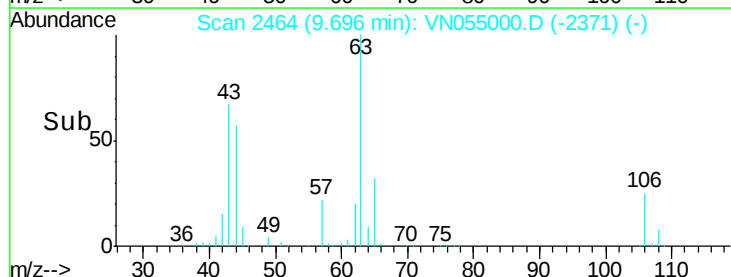
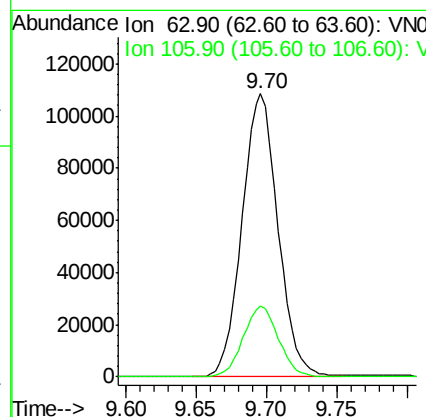
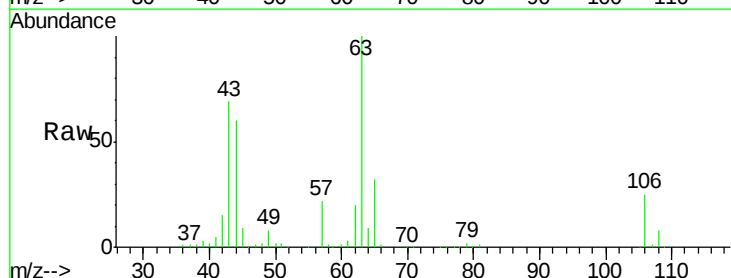
Acq: 12 Apr 2019 15:39

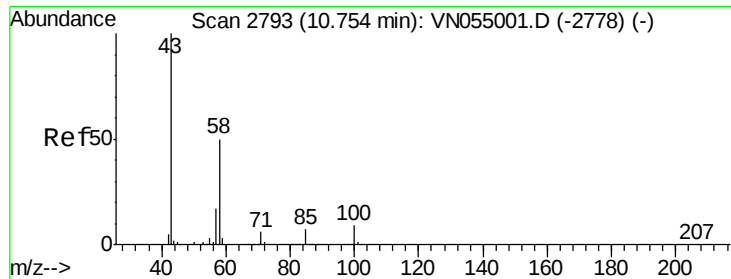
Tgt Ion: 63 Resp: 194013

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0





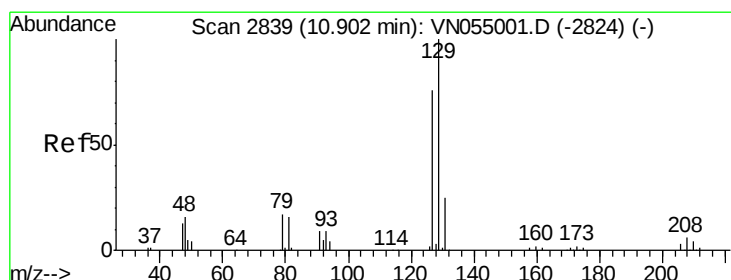
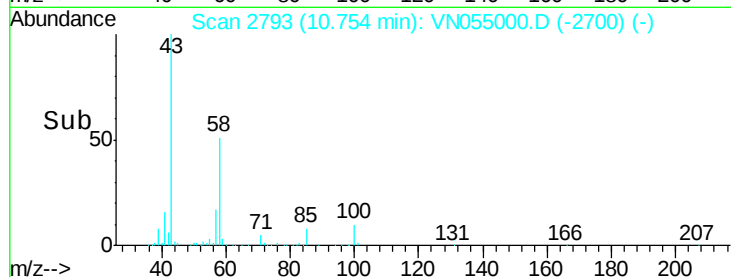
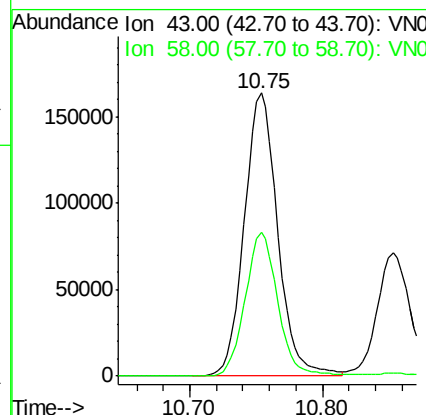
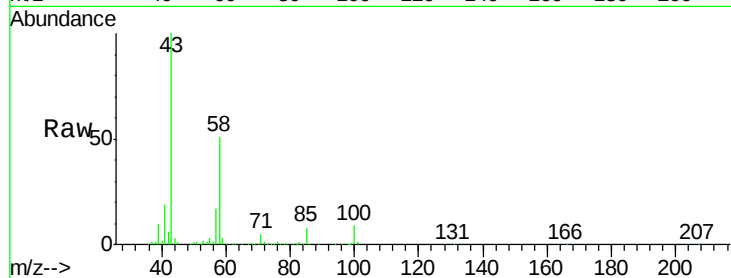
#59
2-Hexanone
Concen: 107.123 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 285470
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2

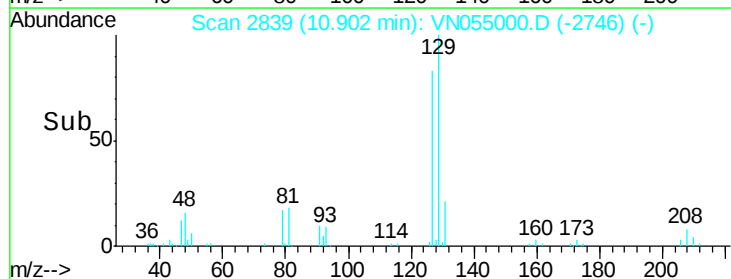
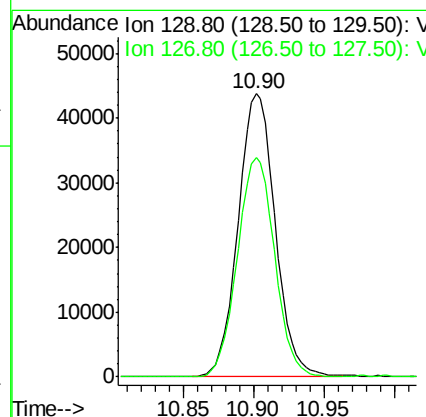
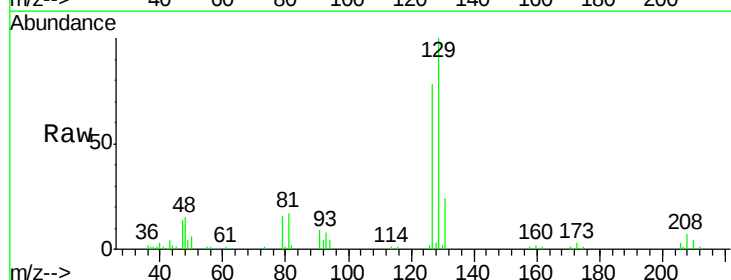
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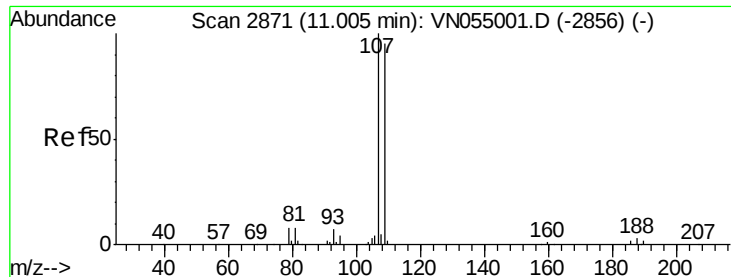
MMDadoda
4/16/2019 1:58:04 PM



#60
Dibromochloromethane
Concen: 19.269 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion: 129 Resp: 80726
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.317 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 76713

Ion Ratio Lower Upper

107 100

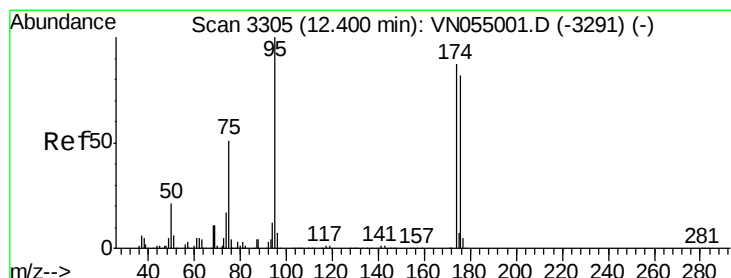
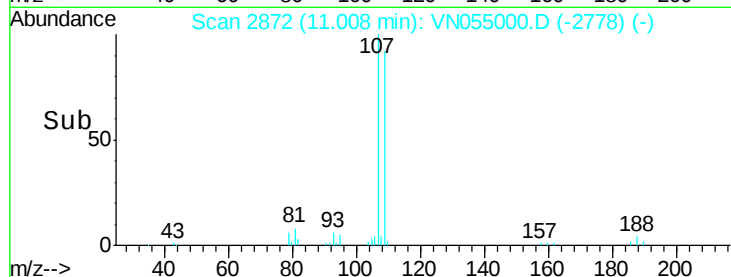
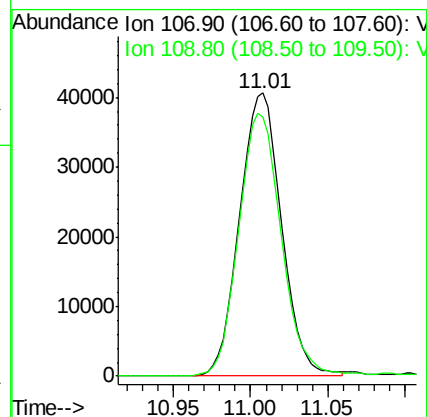
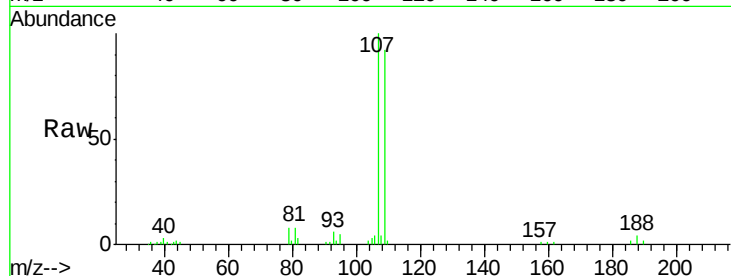
109 94.4 76.5 114.7

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 20.259 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

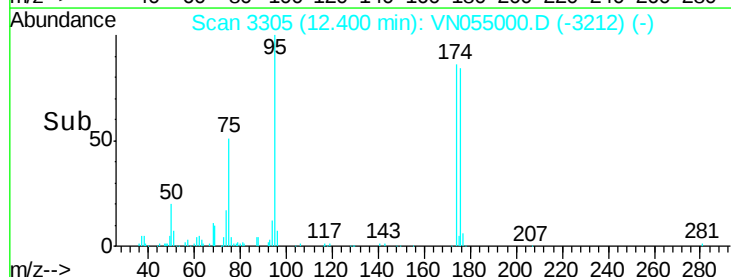
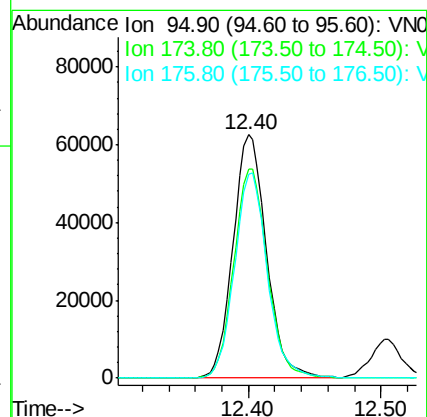
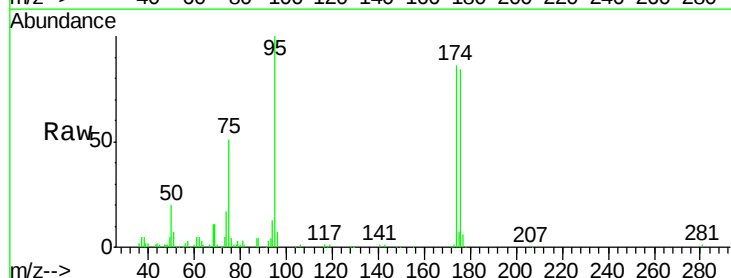
Tgt Ion: 95 Resp: 109655

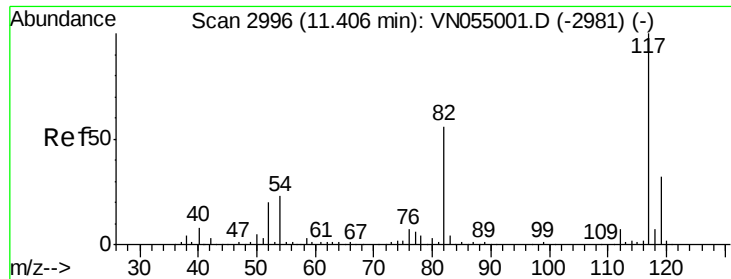
Ion Ratio Lower Upper

95 100

174 86.2 0.0 174.4

176 83.0 0.0 166.8





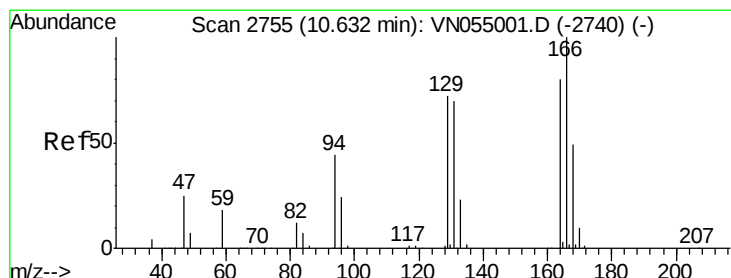
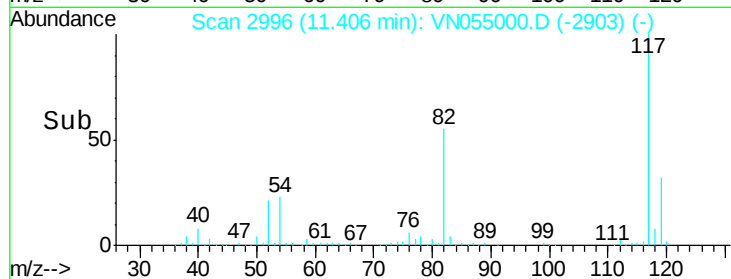
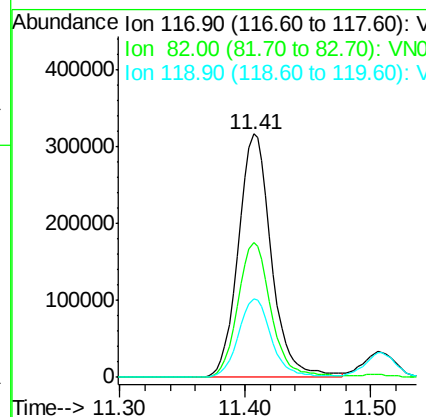
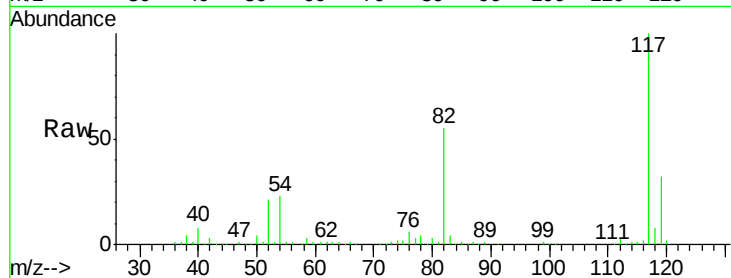
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.6	66.8
119	32.0	25.5	38.3

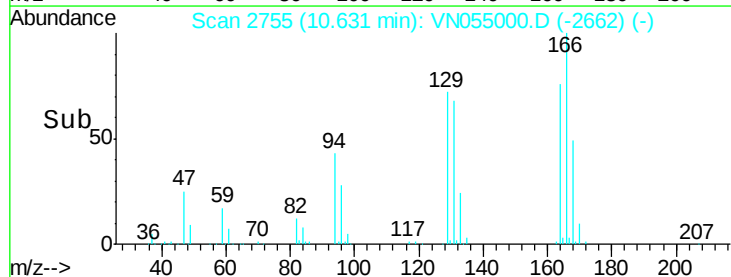
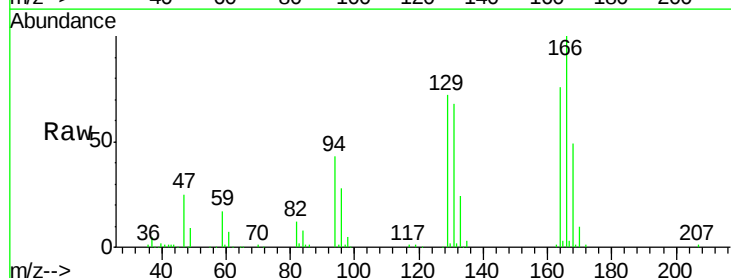
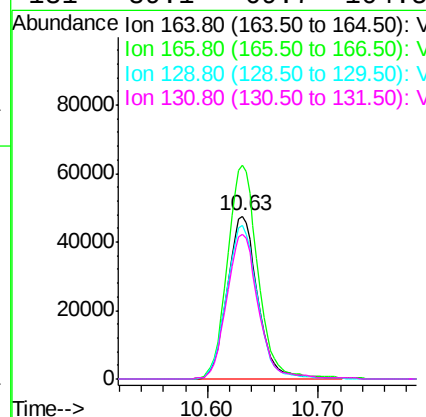
Manual Integrations
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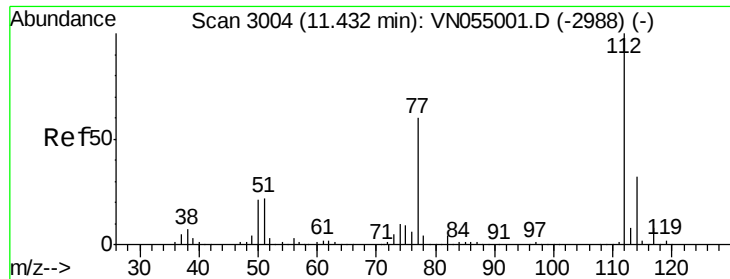
MMDadoda
4/16/2019 1:58:04 PM



#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	100.0	150.0
129	94.2	72.0	108.0
131	89.1	69.7	104.5





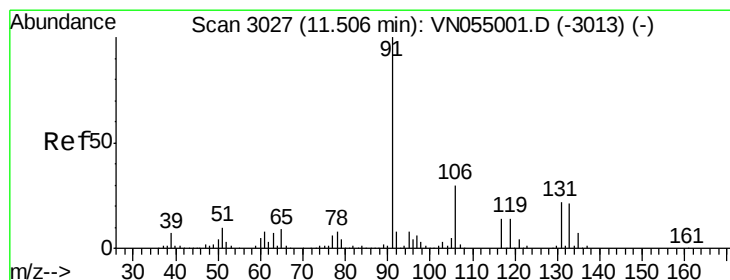
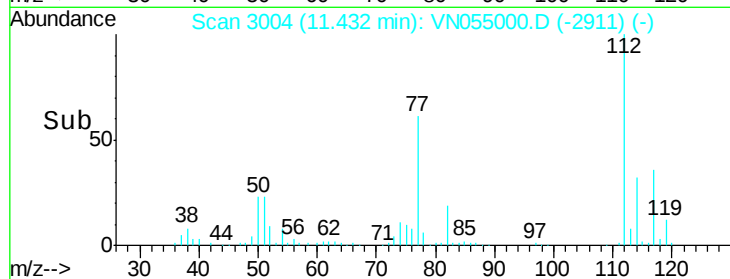
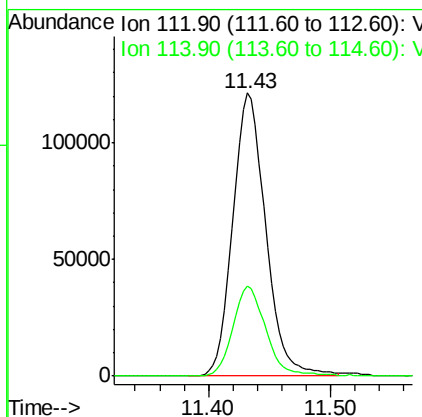
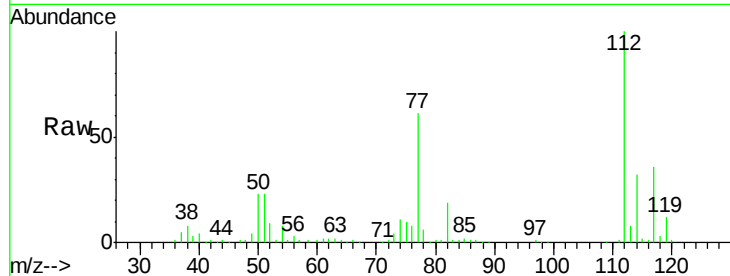
#65
Chlorobenzene
Concen: 19.444 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 227557
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

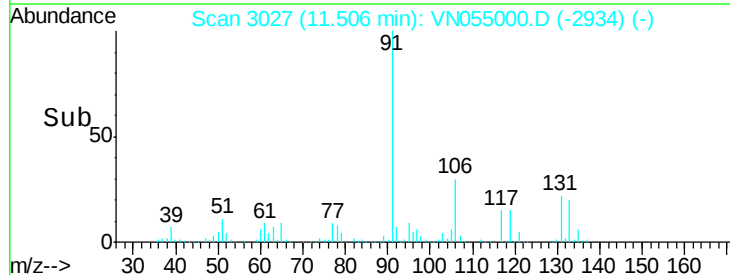
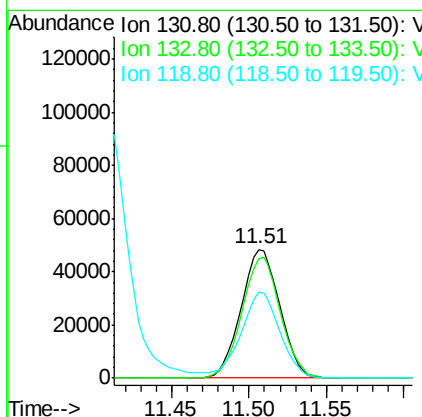
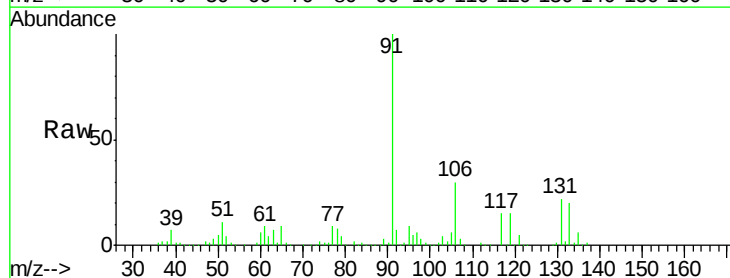
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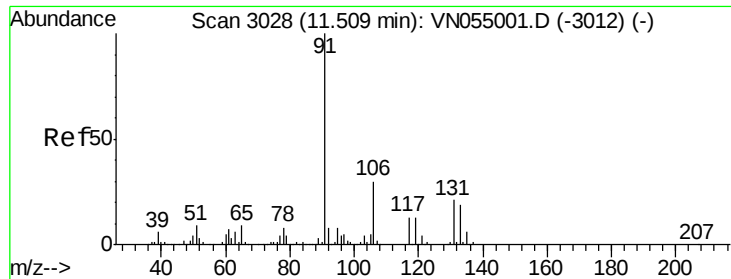
MMDadoda
4/16/2019 1:58:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.658 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion:131 Resp: 84246
Ion Ratio Lower Upper
131 100
133 93.4 47.8 143.3
119 67.5 33.6 100.6





#67

Ethyl Benzene

Concen: 19.798 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 417520

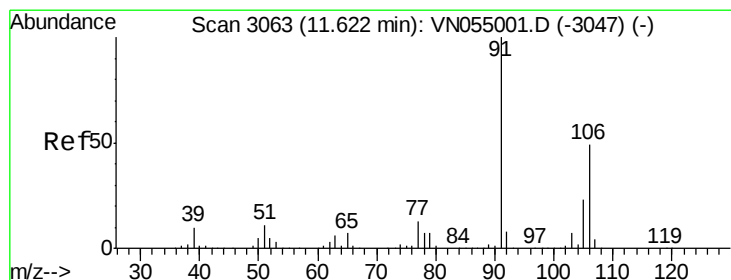
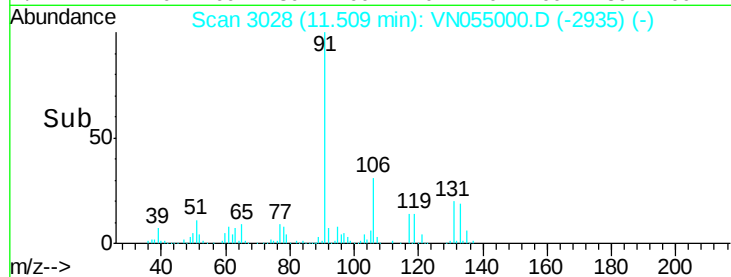
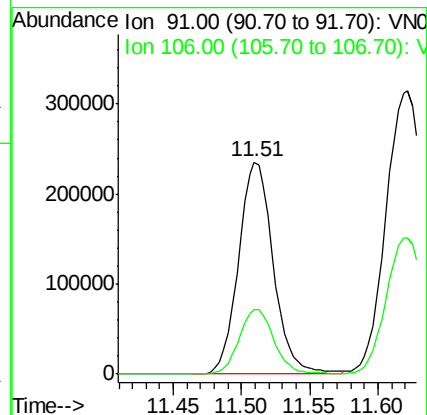
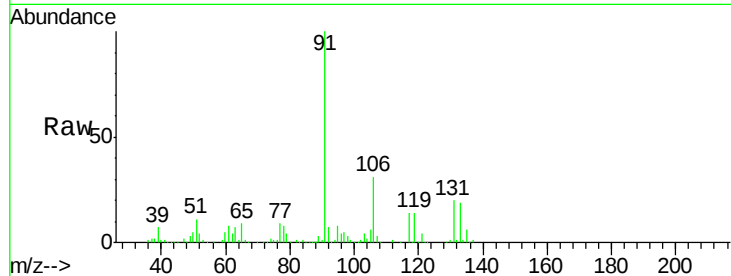
Ion Ratio Lower Upper

91 100

106 30.7 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.007 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055000.D

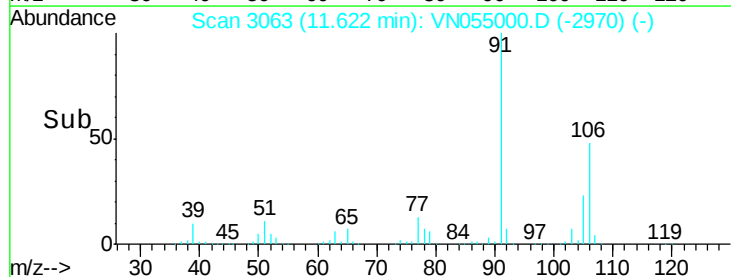
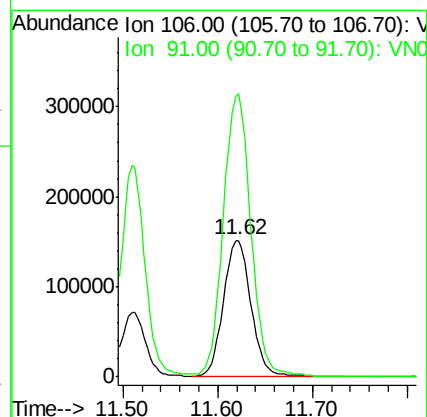
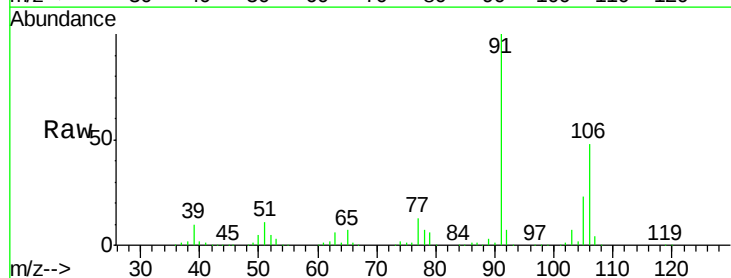
Acq: 12 Apr 2019 15:39

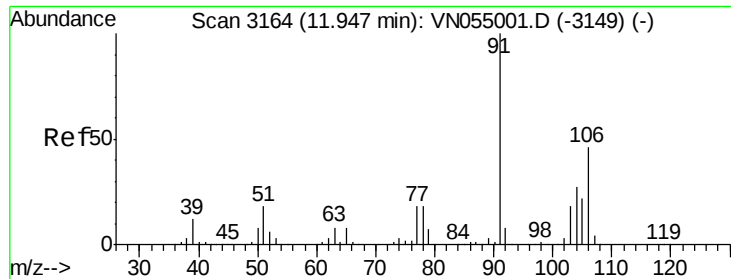
Tgt Ion: 106 Resp: 308730

Ion Ratio Lower Upper

106 100

91 207.7 165.9 248.9





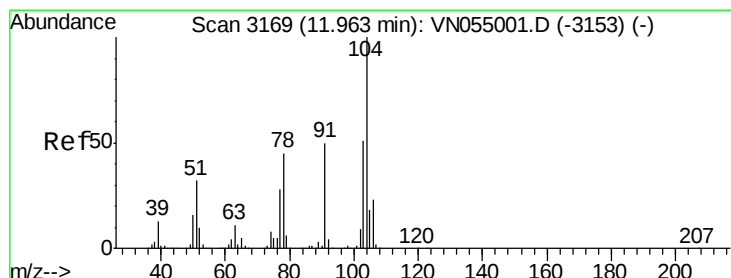
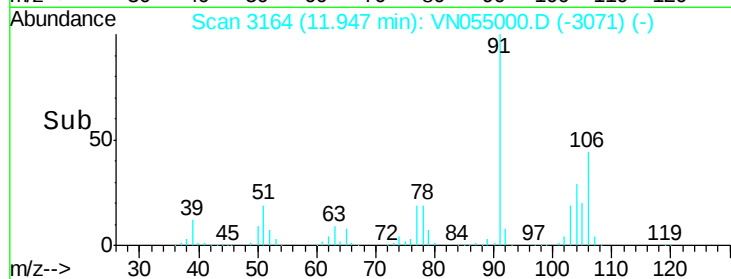
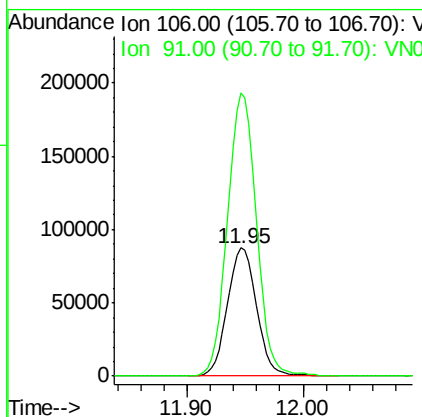
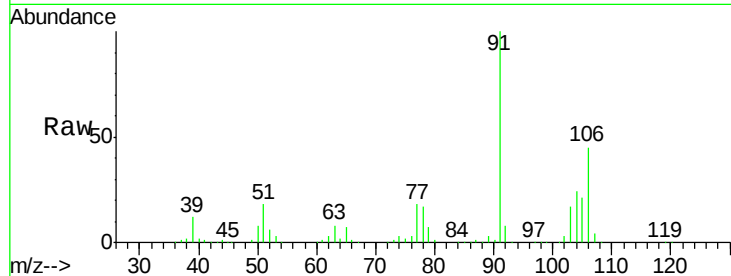
#69
o-Xylene
Concen: 20.271 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.5	109.9	329.8	

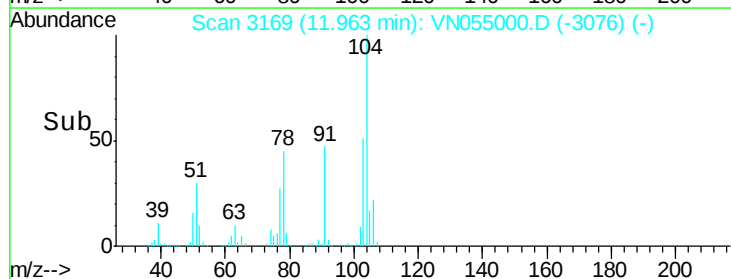
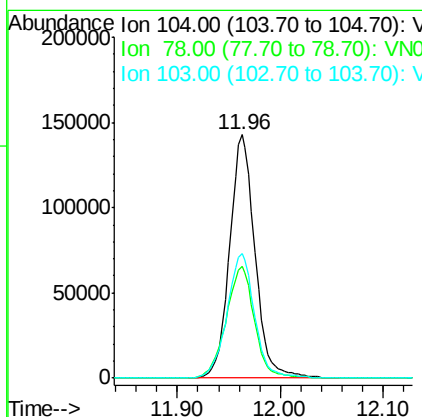
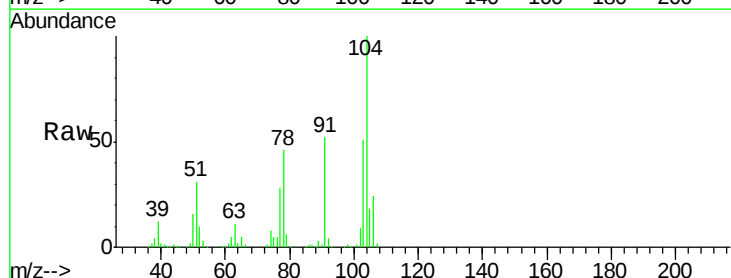
Manual Integrations
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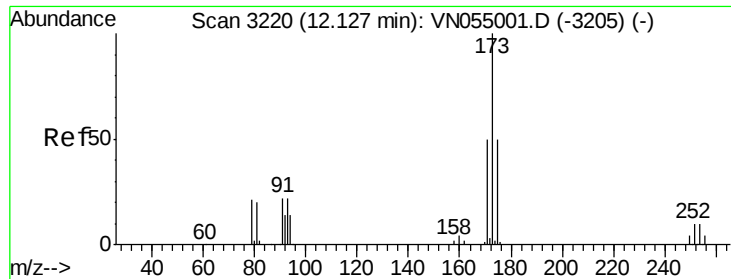
MMDadoda
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#70
Styrene
Concen: 20.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	40.3	60.5	
103	55.5	44.3	66.5	





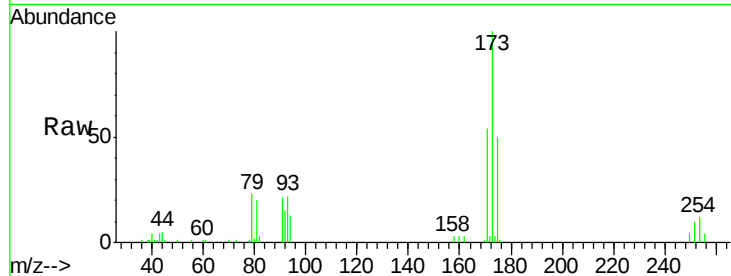
#71
Bromoform
Concen: 18.427 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

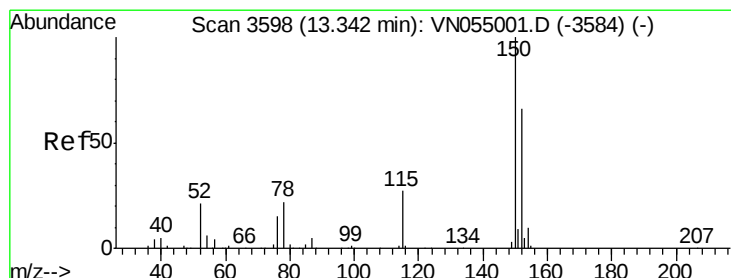
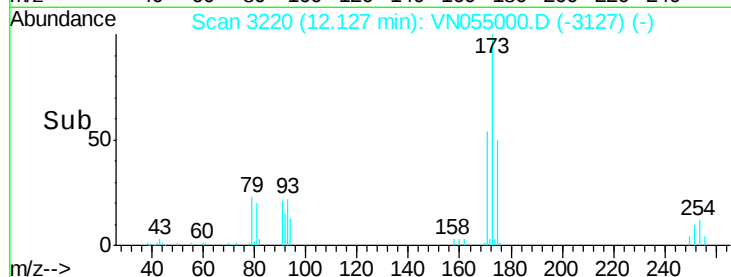
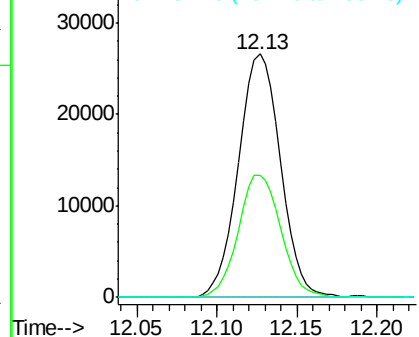
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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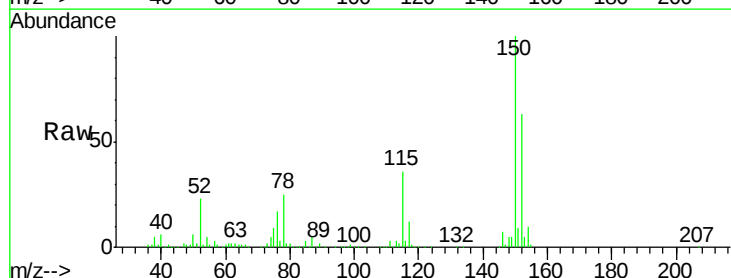


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

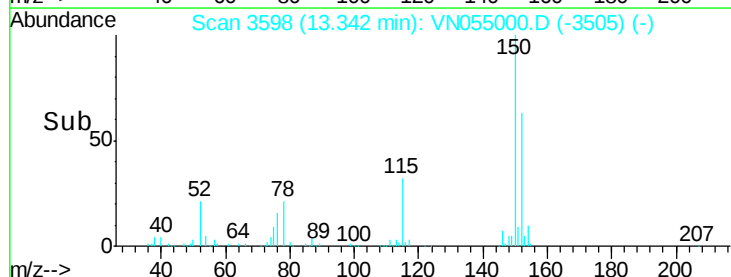
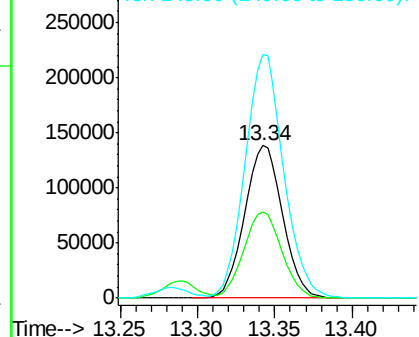


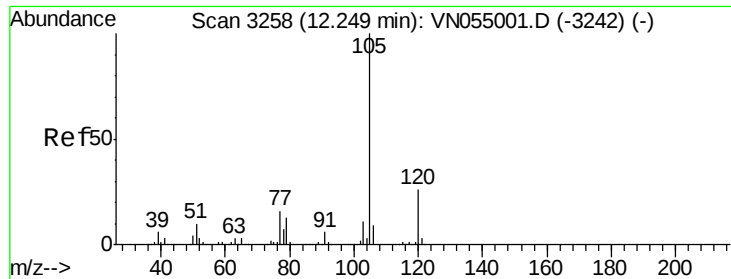
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.5	85.6
150	162.8	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.310 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 402317

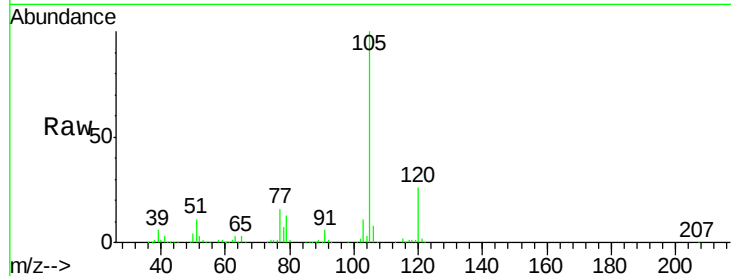
Ion Ratio Lower Upper

105 100

120 25.7 13.3 39.9

Manual Integrations
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MMDadoda
4/16/2019 1:58:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

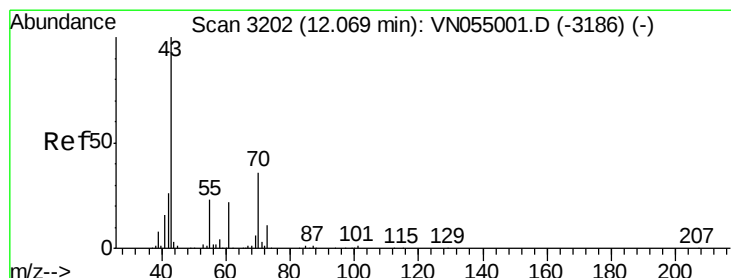
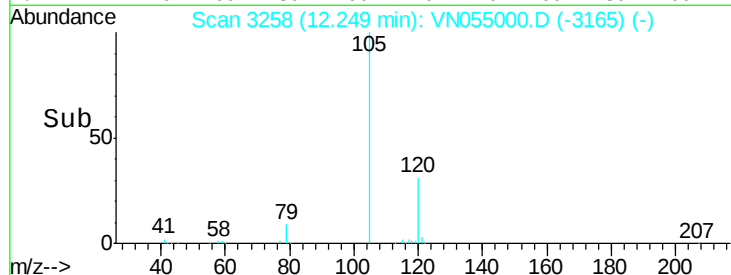
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.537 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion: 43 Resp: 113921

Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.0

55 24.4 19.0 28.4

61 21.1 17.7 26.5

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

100000

80000

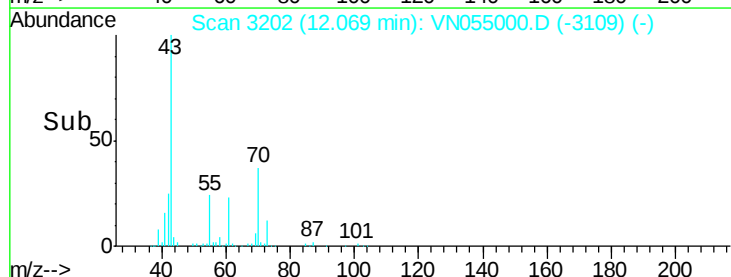
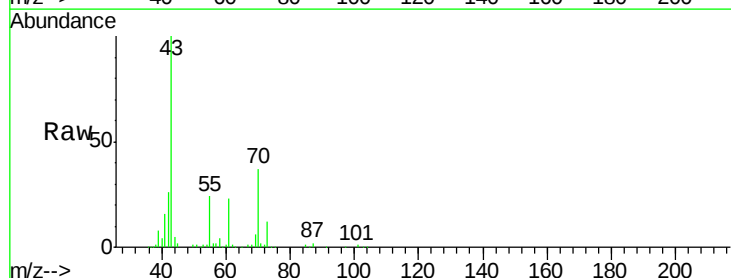
60000

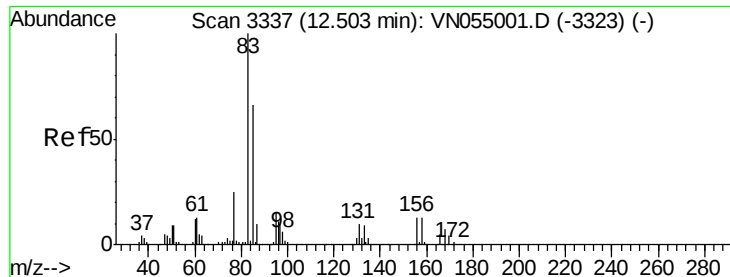
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.846 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

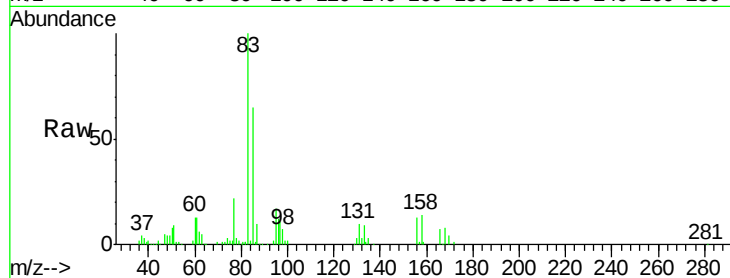
ClientSampleId :

VSTDIC020

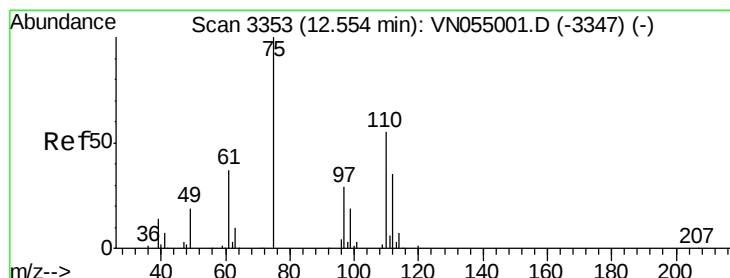
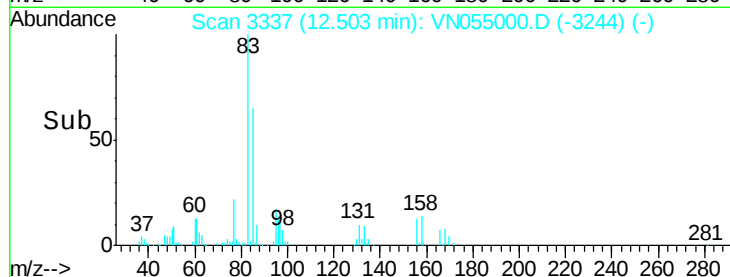
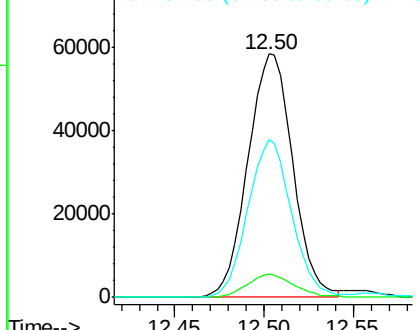
Tot Ion:	83	Resp:	102937
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.0	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055000.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 19.736 ug/l m

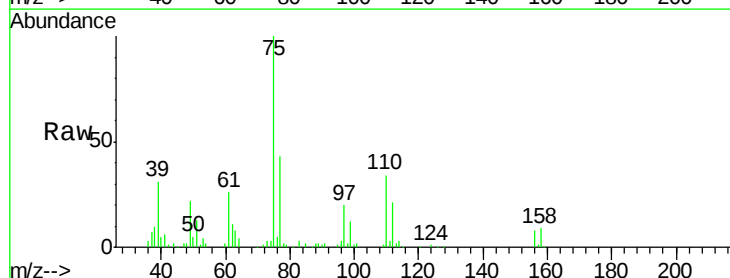
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

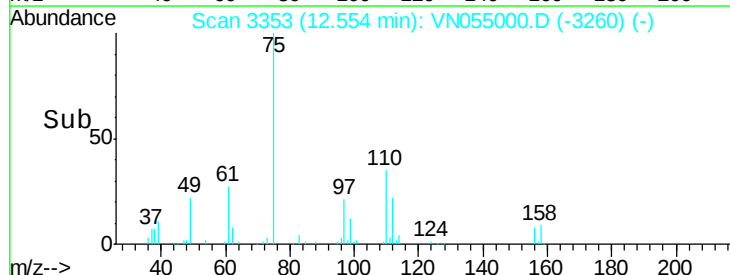
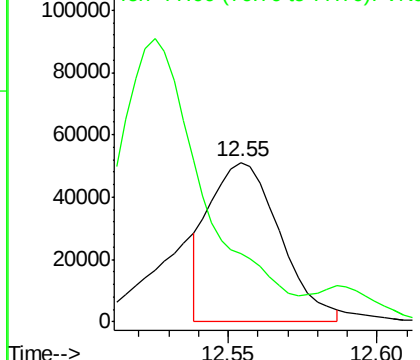
Lab File: VN055000.D

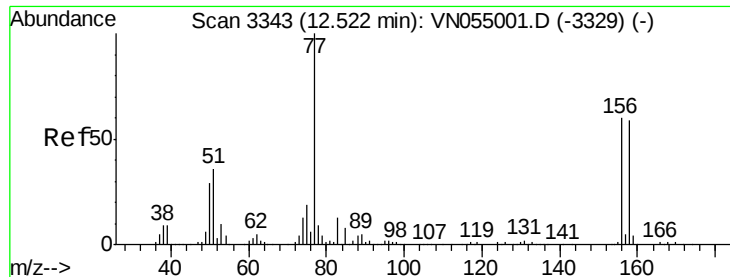
Acq: 12 Apr 2019 15:39

Tgt Ion:	75	Resp:	84154
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055000.D (-3353) (-)





#77

Bromobenzene

Concen: 19.718 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

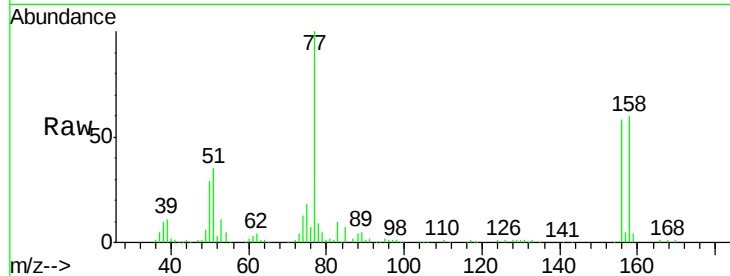
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	195.9	97.2	291.5	
158	101.4	48.6	145.9	

Manual Integrations
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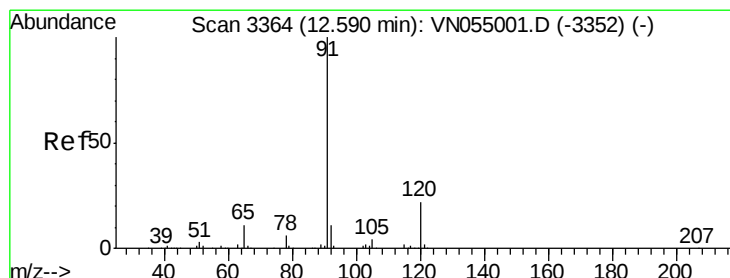
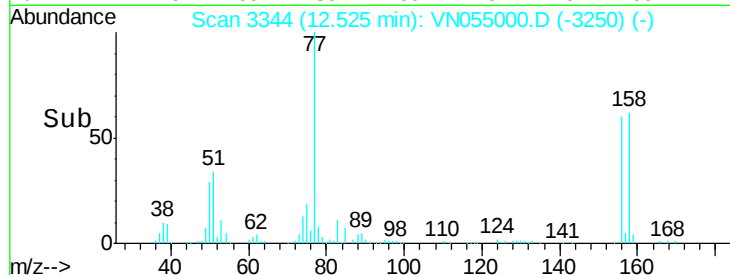
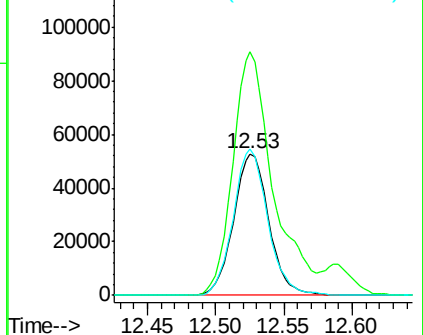


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.220 ug/l

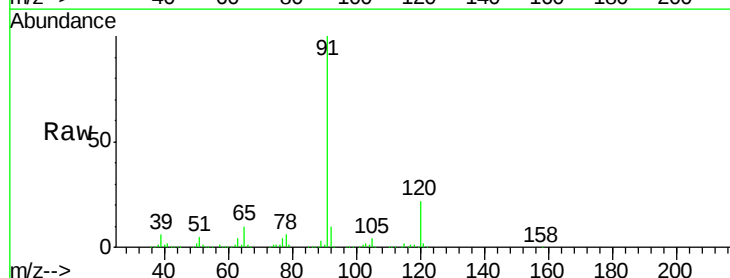
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

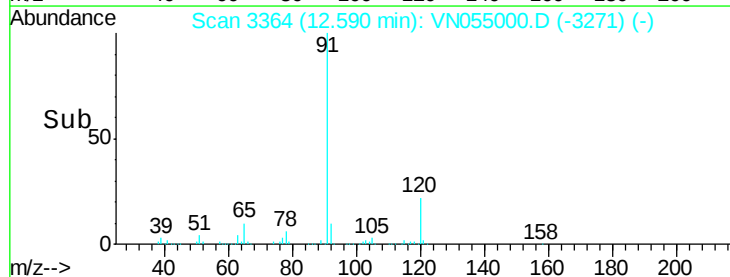
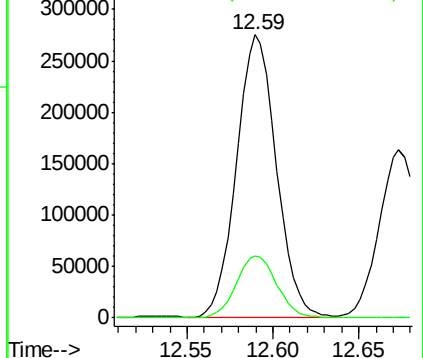
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.2	33.5	

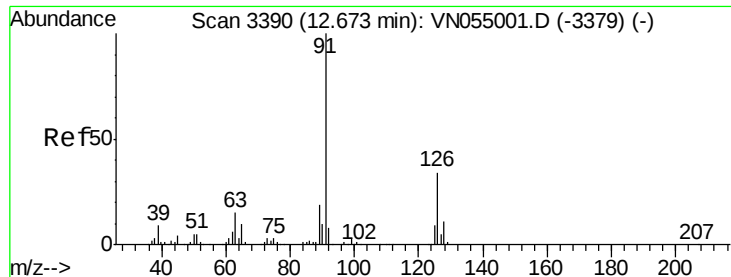


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.895 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 269177

Ion Ratio Lower Upper

91 100

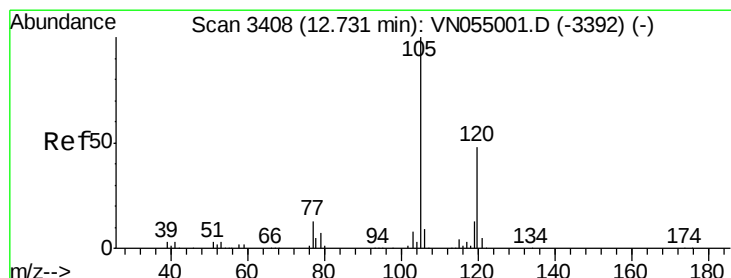
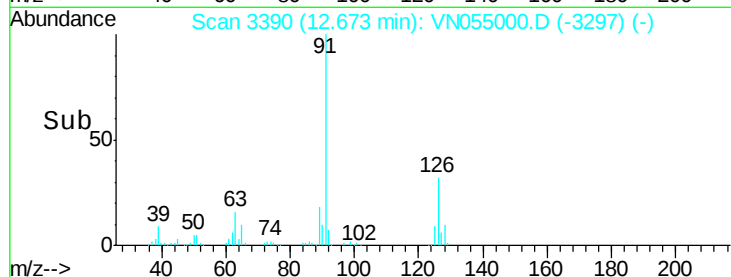
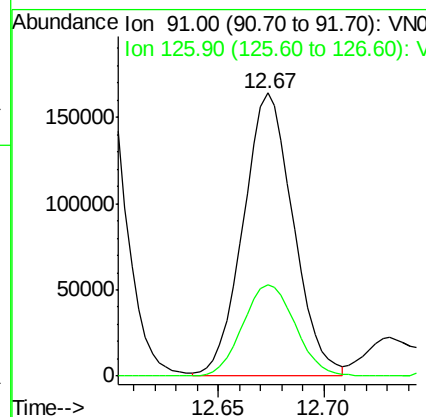
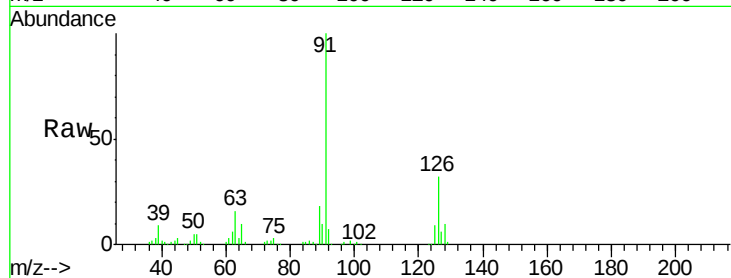
126 34.3 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.465 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055000.D

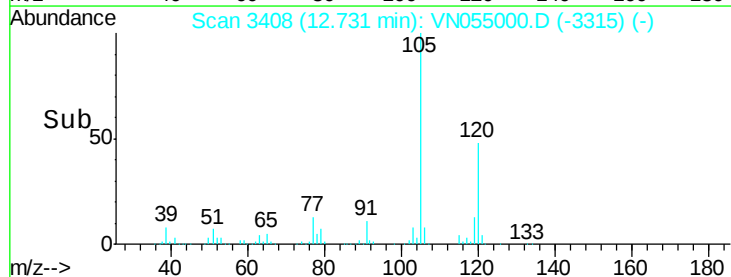
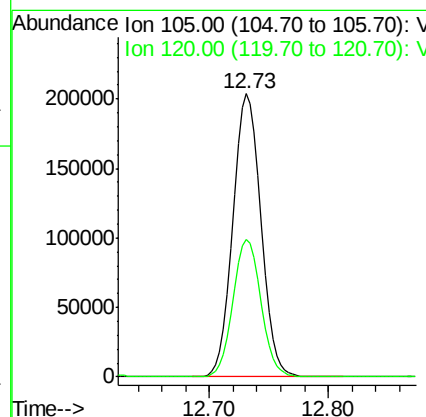
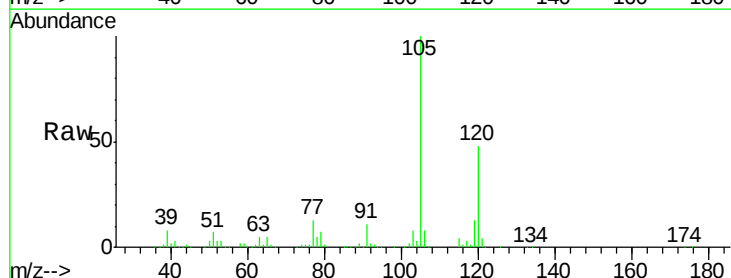
Acq: 12 Apr 2019 15:39

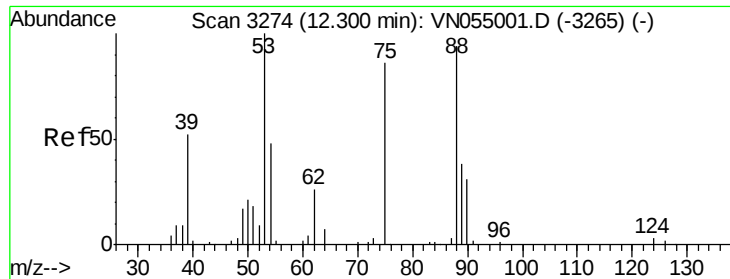
Tgt Ion: 105 Resp: 332694

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





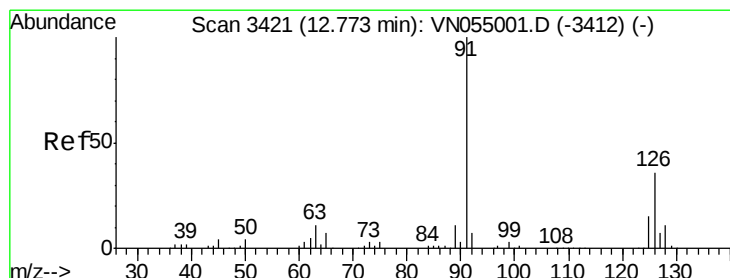
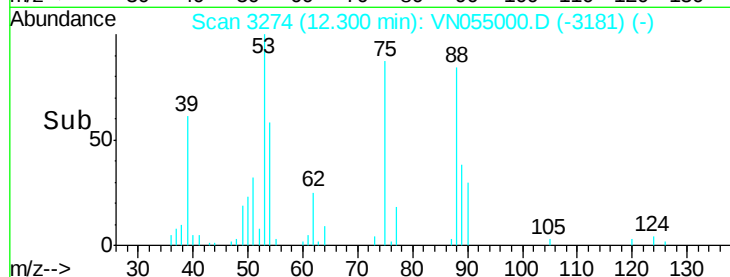
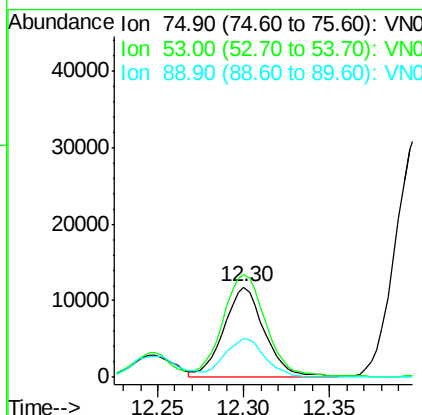
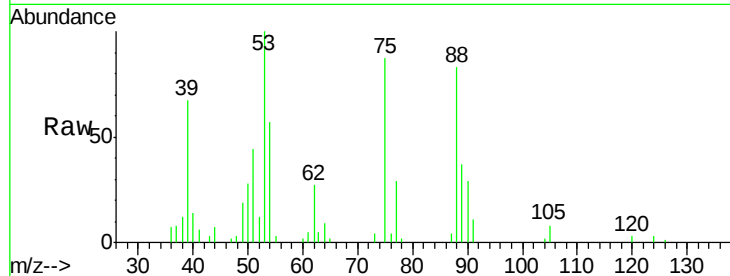
#81
trans-1,4-Dichloro-2-butene
Concen: 19.245 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.4	96.3	144.5
89	43.0	38.6	57.8

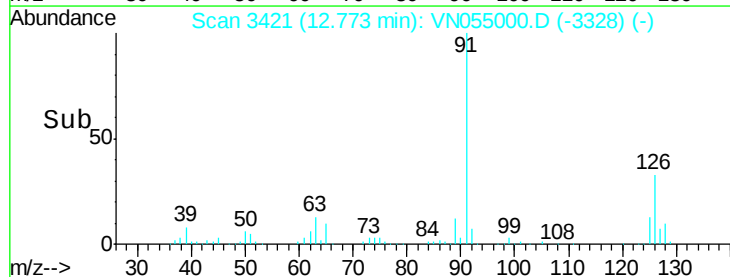
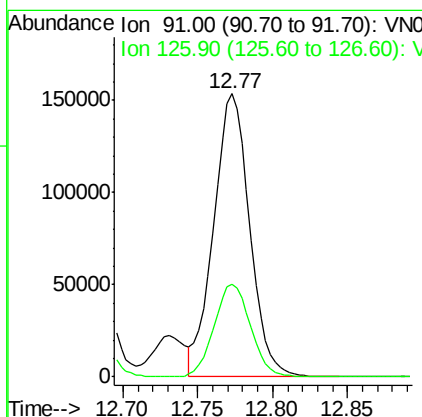
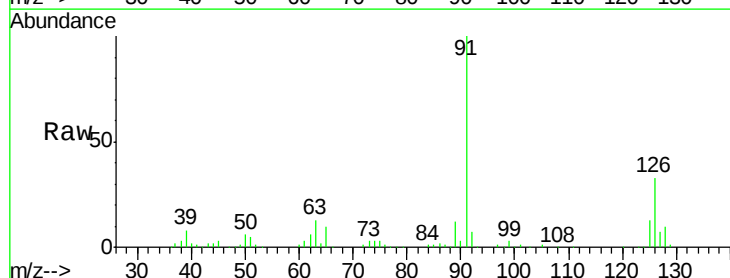
Manual Integrations
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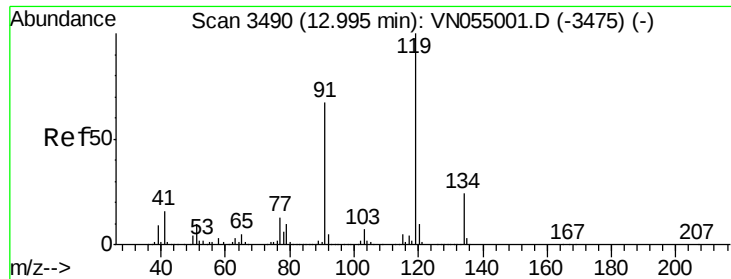
MMDadoda
4/16/2019 1:58:04 PM



#82
4-Chlorotoluene
Concen: 20.157 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





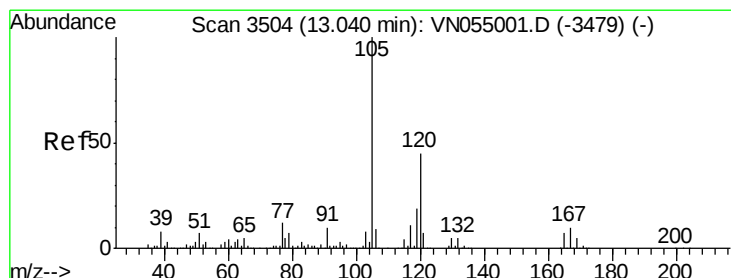
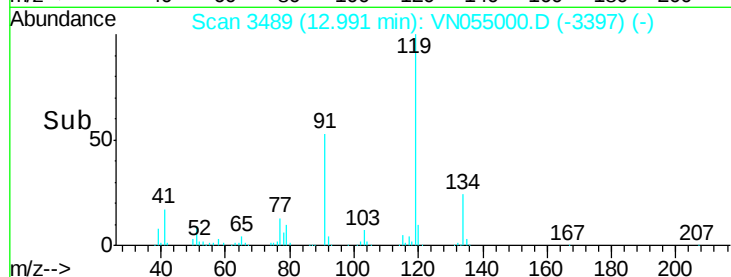
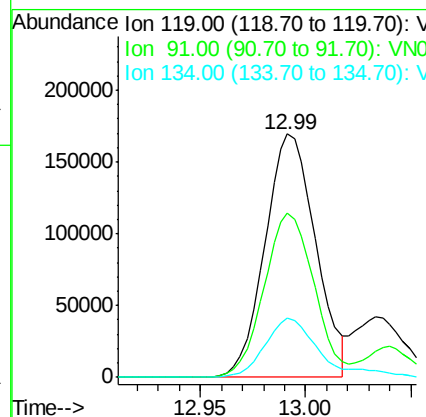
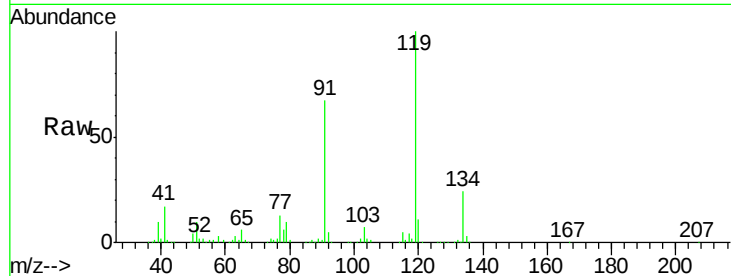
#83
 tert-Butylbenzene
 Concen: 20.427 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.3	99.8
134	26.4	12.3	36.9

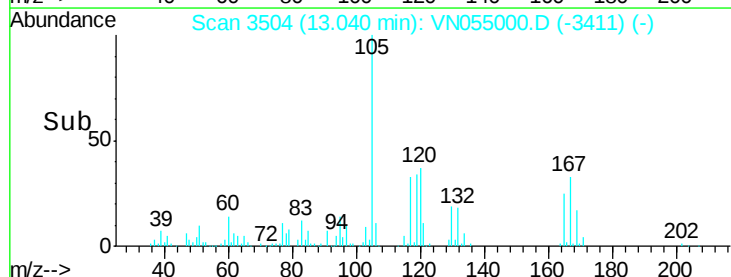
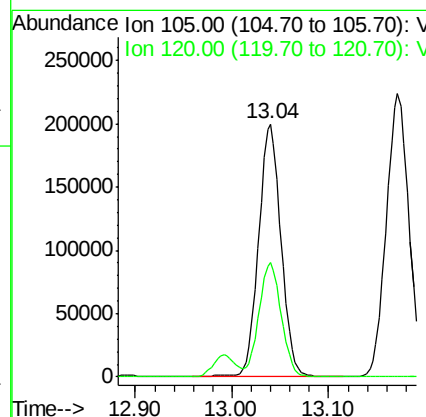
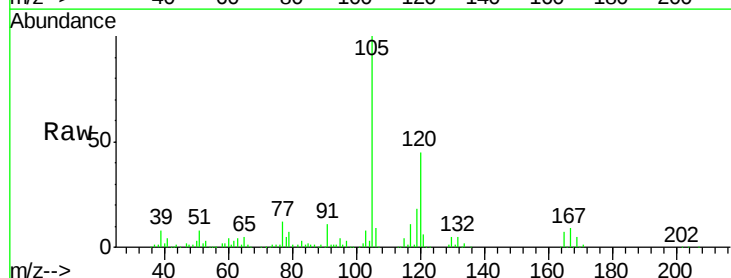
Manual Integrations
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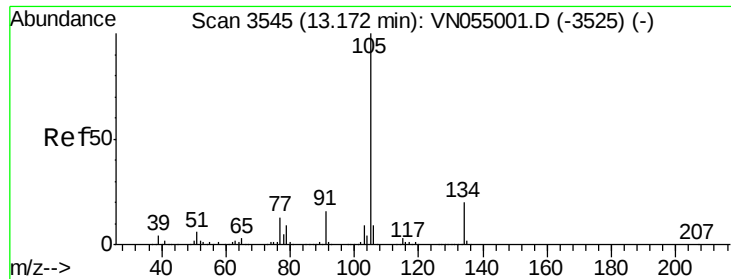
MMDadoda
 4/16/2019 1:58:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.508 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.184 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 362019

Ion Ratio Lower Upper

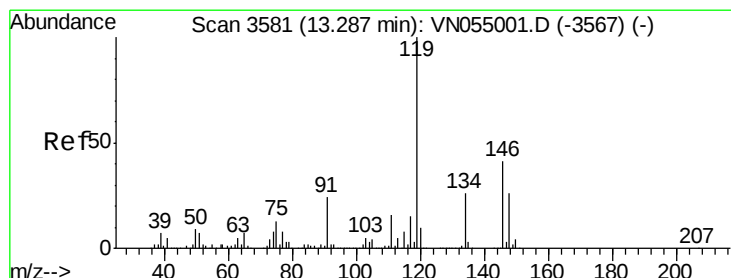
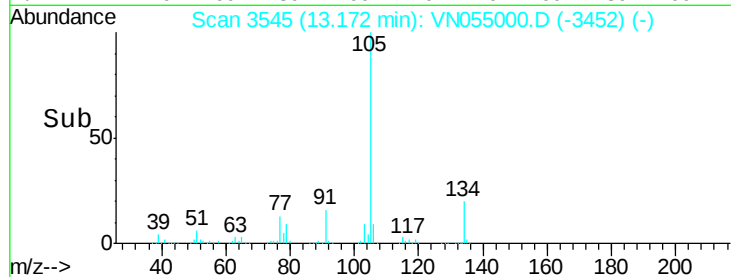
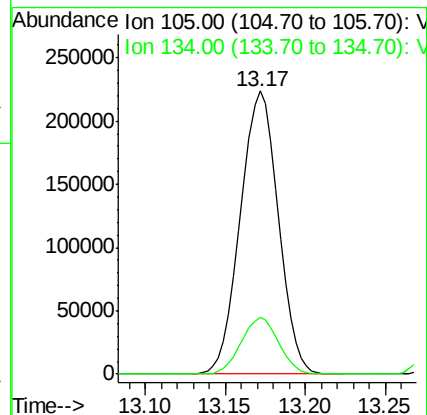
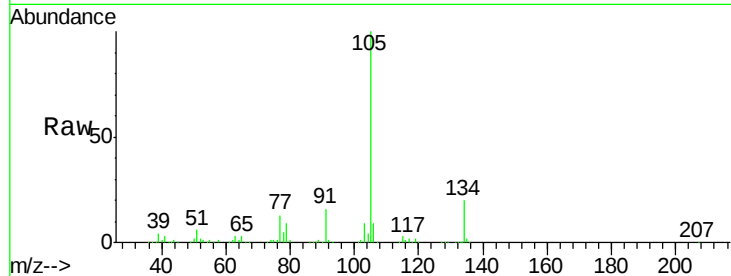
105 100

134 19.7 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.737 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

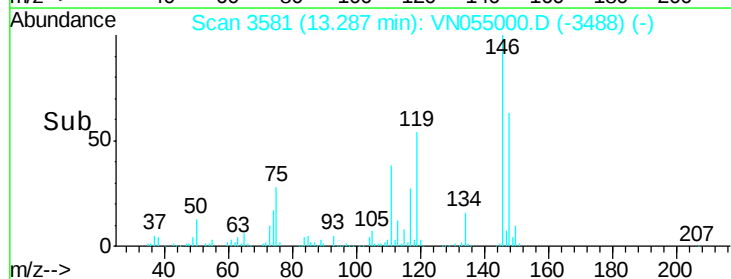
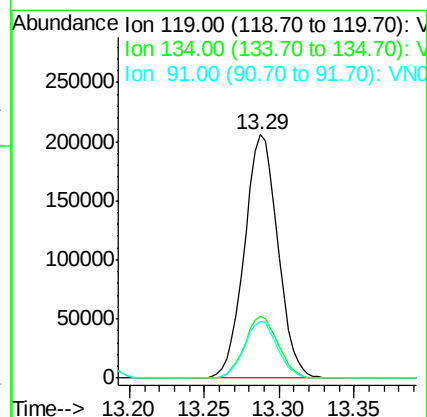
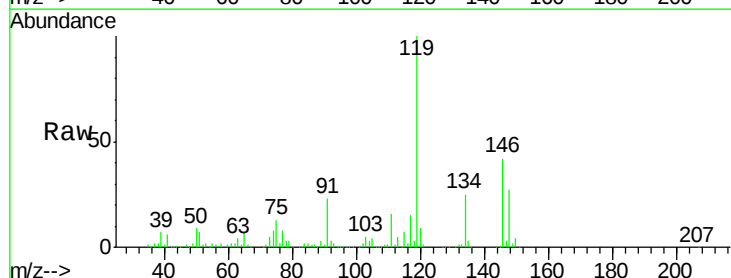
Tgt Ion:119 Resp: 320152

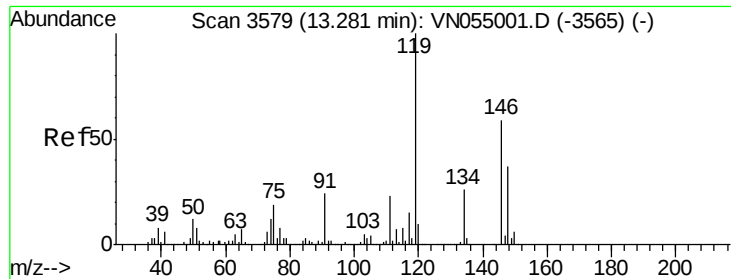
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 23.4 11.7 35.1





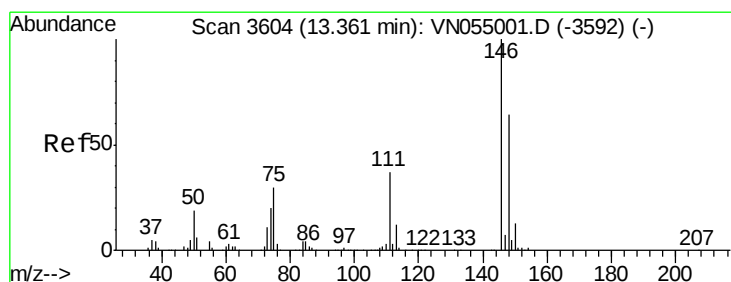
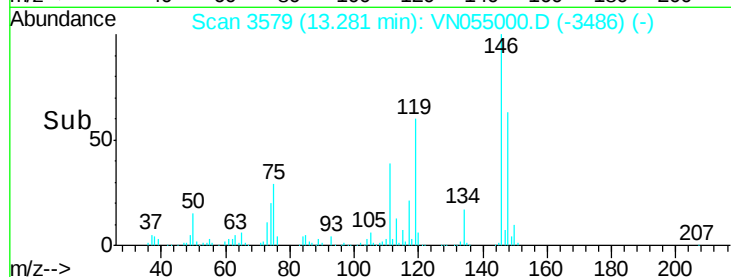
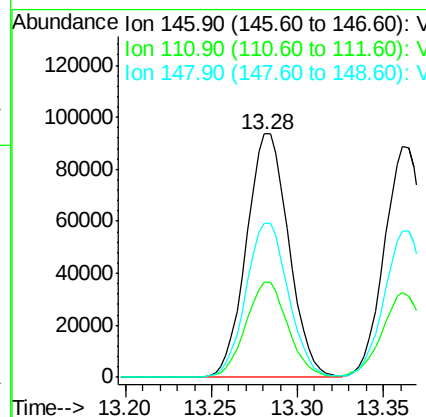
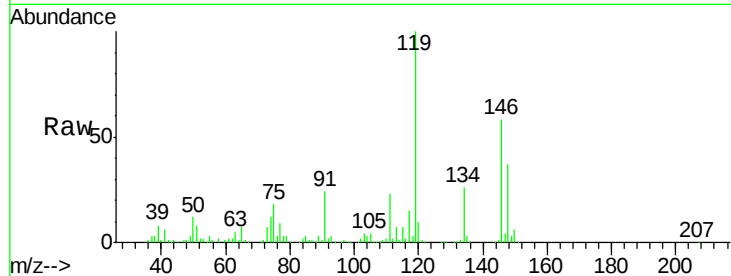
#87
 1,3-Dichlorobenzene
 Concen: 20.067 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	31.6	94.7

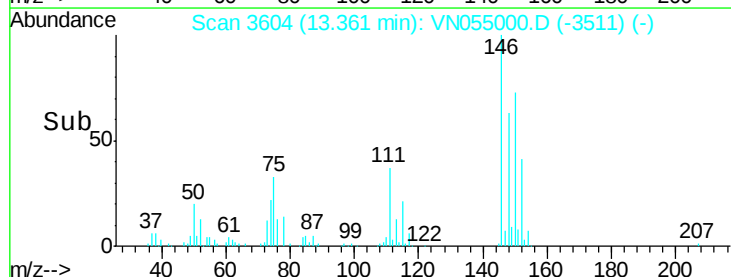
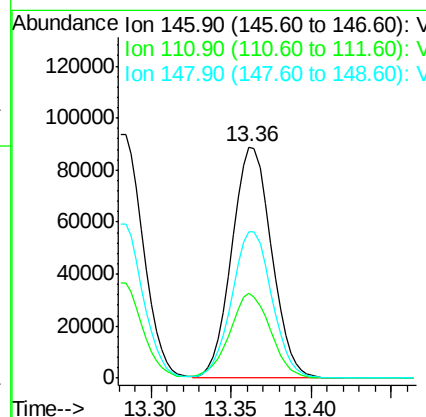
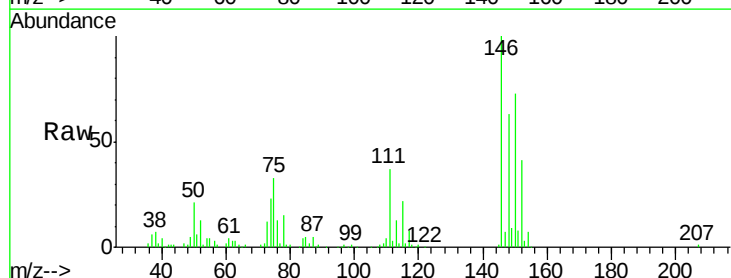
Manual Integrations
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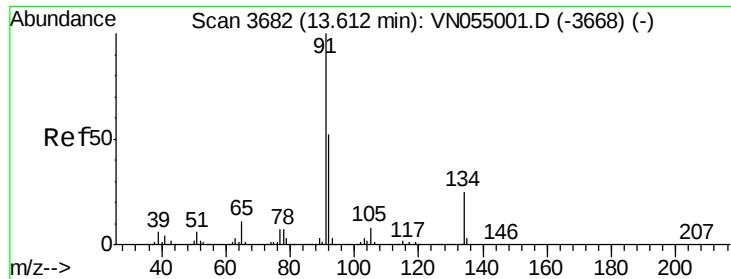
MMDadoda
 4/16/2019 1:58:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.2	32.4	97.2





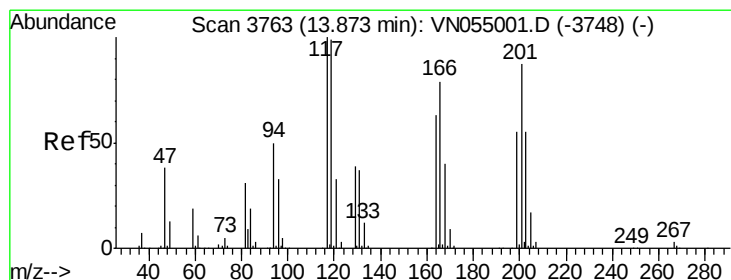
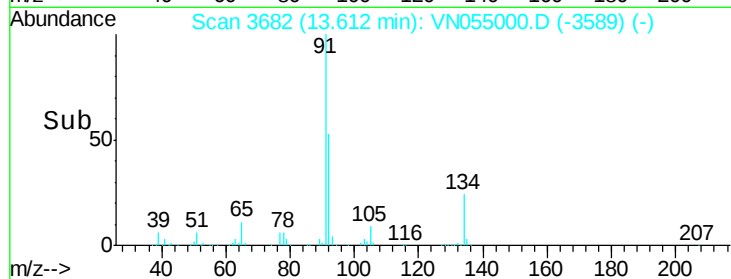
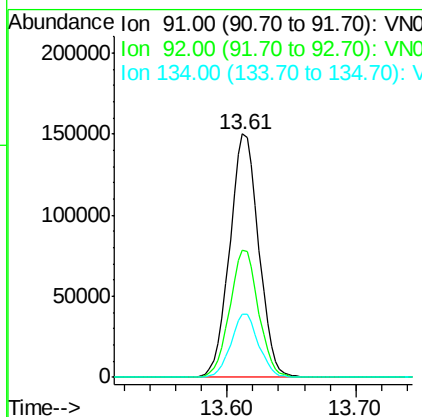
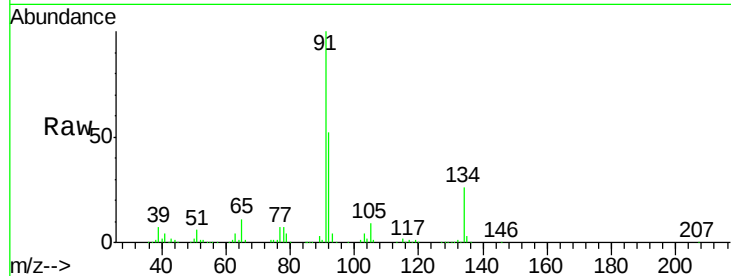
#89
n-Butylbenzene
Concen: 19.053 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	25.0	12.8	38.3

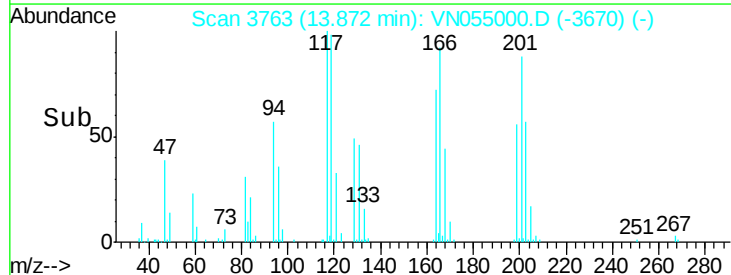
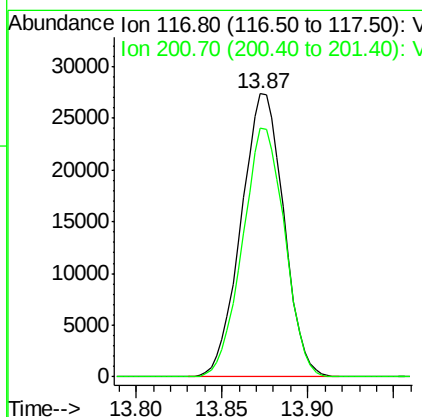
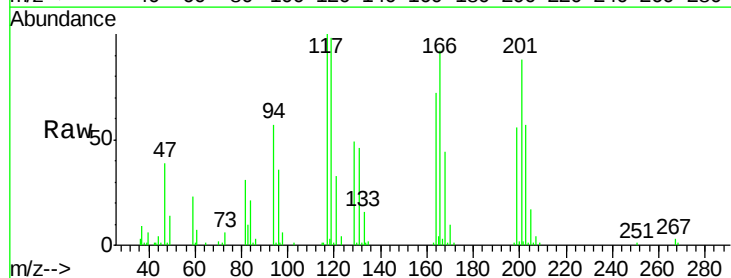
Manual Integrations
APPROVED

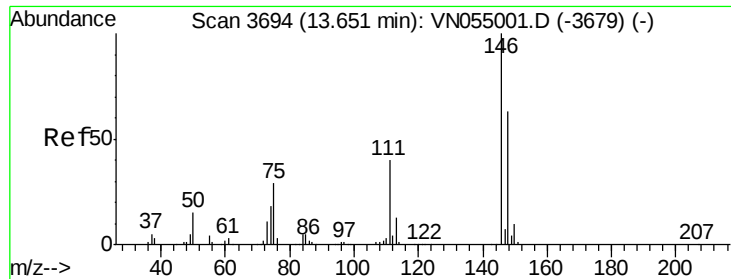
MMDadoda
4/16/2019 1:58:04 PM



#90
Hexachloroethane
Concen: 18.350 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055000.D
Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	43.4	130.2





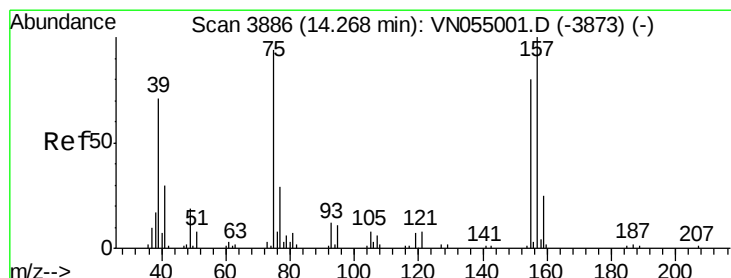
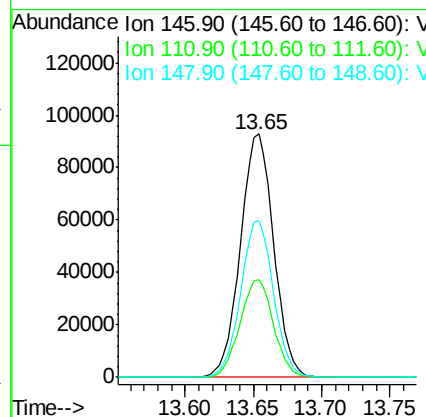
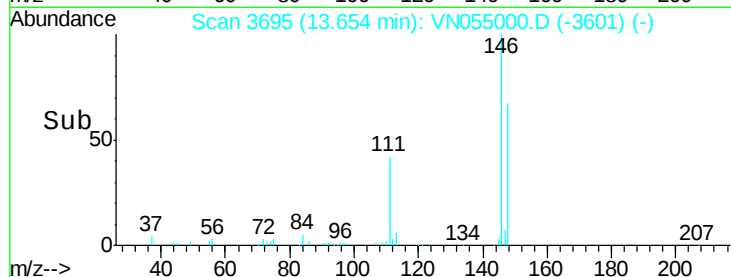
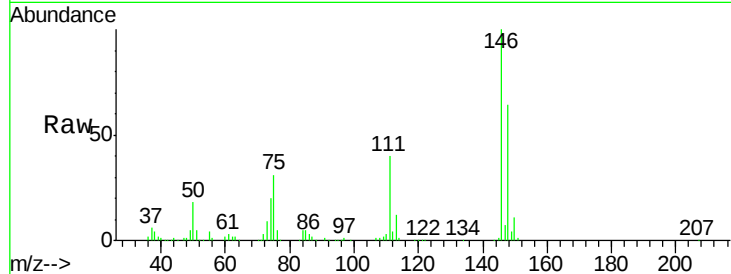
#91
 1,2-Dichlorobenzene
 Concen: 20.075 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.9
148	63.2	32.2	96.6

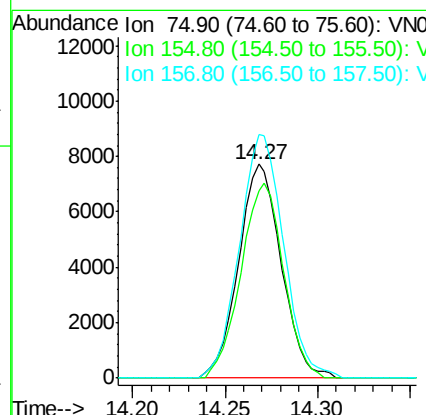
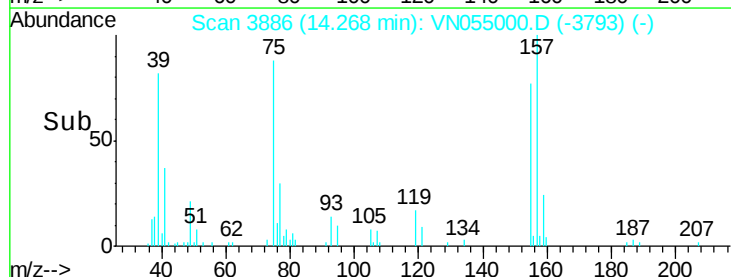
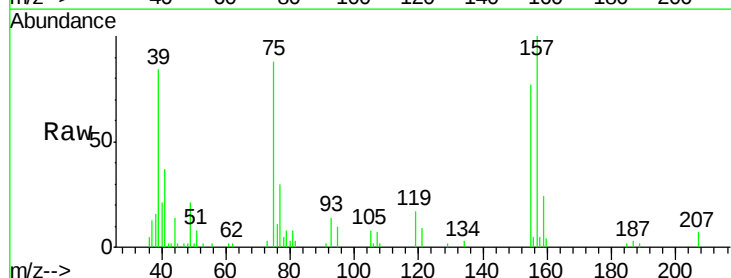
Manual Integrations
 APPROVED

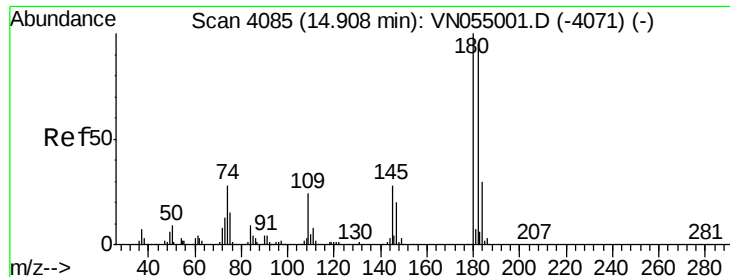
MMDadoda
 4/16/2019 1:58:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.045 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	42.0	126.0
157	117.7	52.1	156.4





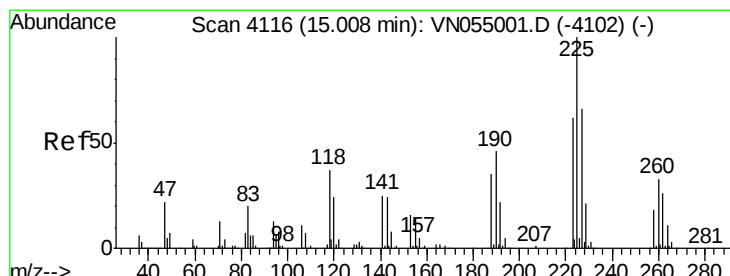
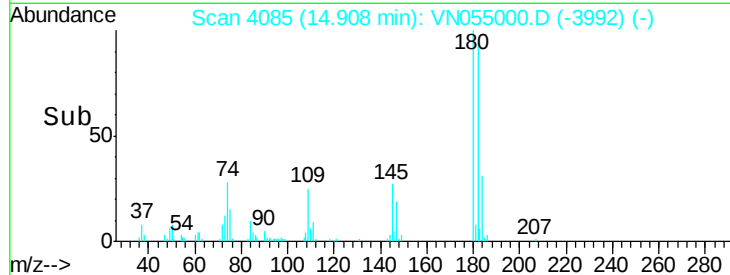
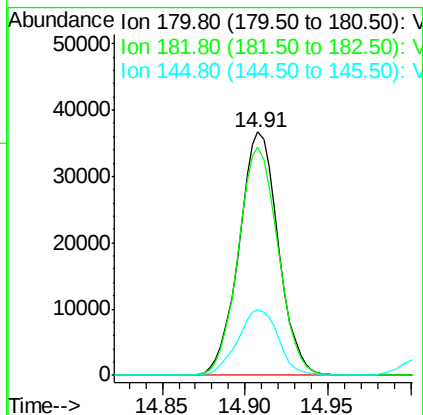
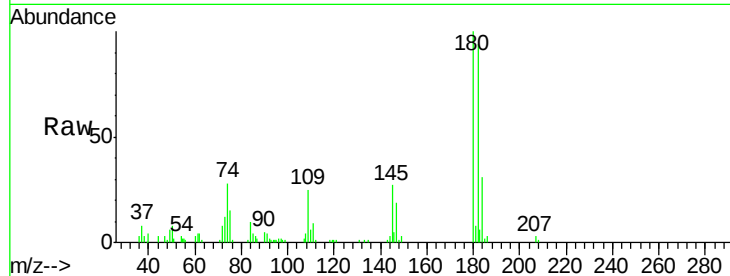
#93
 1,2,4-Trichlorobenzene
 Concen: 17.477 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60261		
182	95.0		47.5	142.6
145	28.0		14.2	42.8

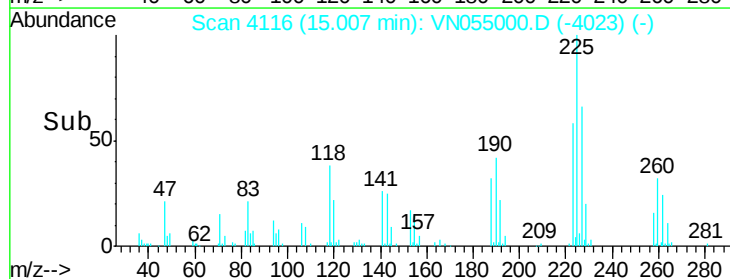
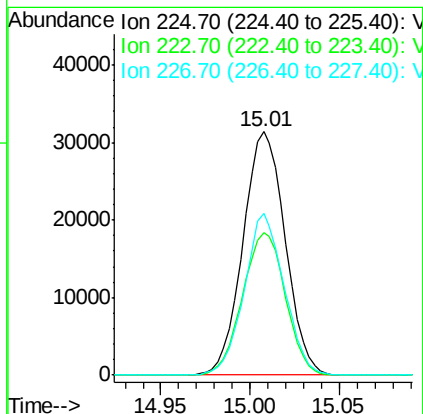
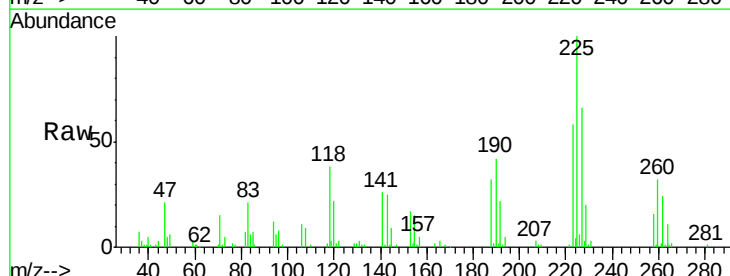
Manual Integrations
 APPROVED

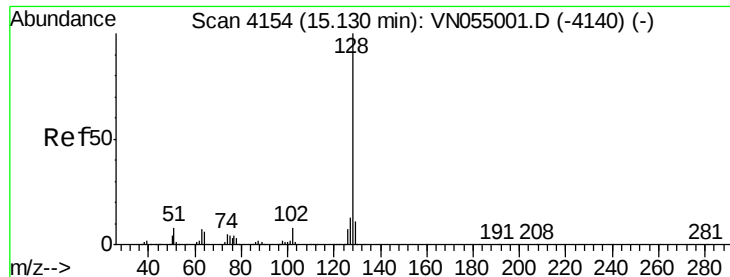
MMDadoda
 4/16/2019 1:58:04 PM



#94
 Hexachlorobutadiene
 Concen: 19.738 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055000.D
 Acq: 12 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51864		
223	59.3		31.4	94.0
227	62.6		32.6	97.7





#95

Naphthalene

Concen: 17.150 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Instrument :

MSVOA_N

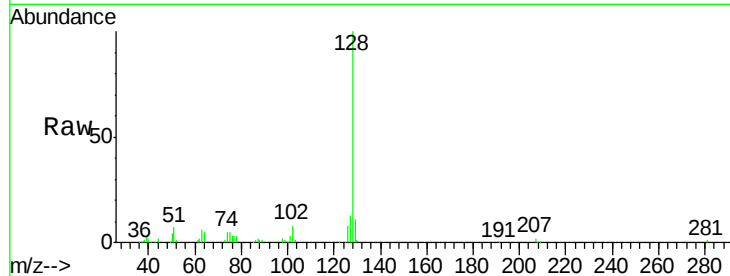
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	130595
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

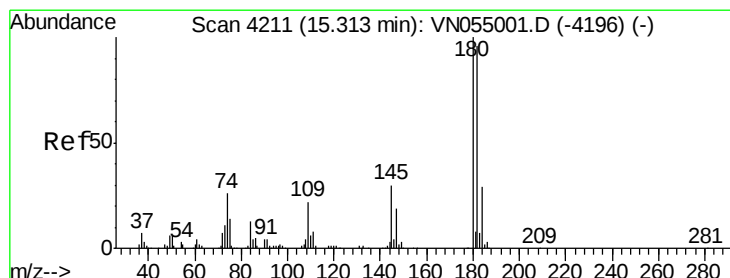
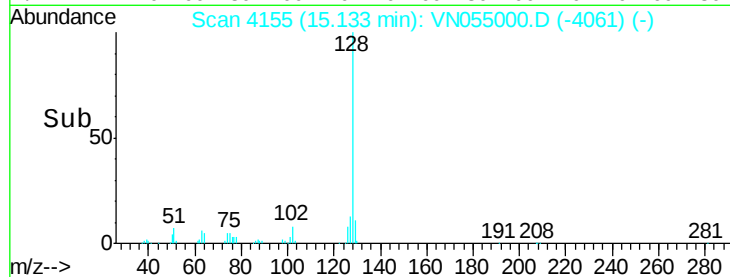
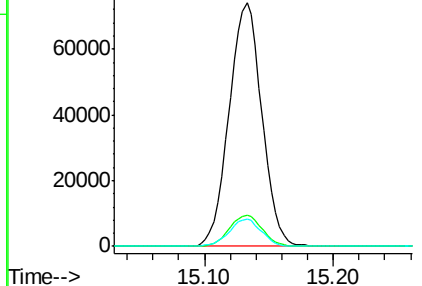
MMDadoda
4/16/2019 1:58:04 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.908 ug/l

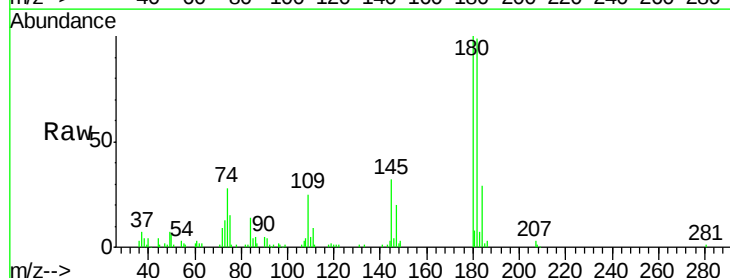
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055000.D

Acq: 12 Apr 2019 15:39

Tgt Ion:	180	Resp:	64153
Ion Ratio	Lower	Upper	
180	100		
182	98.0	48.0	144.0
145	32.3	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

