

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055600.D
 Acq On : 17 May 2019 10:16
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:57 AM

Quant Time: May 17 23:34:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	75711	22.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.82%	
35) Dibromofluoromethane	7.59	113	66099	20.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.46%	
50) Toluene-d8	10.09	98	248162	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	
62) 4-Bromofluorobenzene	12.40	95	83444	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	47754	17.742	ug/l	97
3) Chloromethane	2.06	50	63325	18.828	ug/l	100
4) Vinyl Chloride	2.18	62	69576	19.111	ug/l	99
5) Bromomethane	2.57	94	45213	17.148	ug/l	98
6) Chloroethane	2.71	64	39232	16.857	ug/l	98
7) Trichlorofluoromethane	3.03	101	92104	17.895	ug/l	98
8) Diethyl Ether	3.41	74	37362	20.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	55981	17.906	ug/l	99
10) Methyl Iodide	3.96	142	79239	17.418	ug/l	99
11) Tert butyl alcohol	4.77	59	66714	224.627	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	58308	19.792	ug/l	99
13) Acrolein	3.61	56	32208	192.938	ug/l	97
14) Allyl chloride	4.33	41	96667	21.391	ug/l	99
15) Acrylonitrile	4.99	53	147459	134.799	ug/l	100
16) Acetone	3.81	43	146358	147.813	ug/l	98
17) Carbon Disulfide	4.06	76	160585	17.893	ug/l	99
18) Methyl Acetate	4.32	43	58747	25.627	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	195365	25.078	ug/l	99
20) Methylene Chloride	4.55	84	64341	19.280	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	62167	20.113	ug/l	98
22) Diisopropyl ether	5.95	45	185609	22.079	ug/l	95
23) Vinyl Acetate	5.90	43	806361	128.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	111365	19.797	ug/l	98
25) 2-Butanone	6.83	43	200633	154.476	ug/l	100
26) 2,2-Dichloropropane	6.82	77	97019	22.279	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	72360	20.814	ug/l	99
28) Bromochloromethane	7.20	49	50196	20.436	ug/l	100
29) Tetrahydrofuran	7.21	42	131167	156.745	ug/l	99
30) Chloroform	7.37	83	112561	19.919	ug/l	99
31) Cyclohexane	7.66	56	104807	17.918	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	99877	20.531	ug/l	99
36) 1,1-Dichloropropene	7.80	75	84988	19.150	ug/l	100
37) Ethyl Acetate	6.93	43	80574	29.696	ug/l	99
38) Carbon Tetrachloride	7.78	117	90521	18.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101568	19.966	ug/l	97
40) Benzene	8.04	78	257571	19.755	ug/l	99
41) Methacrylonitrile	7.17	41	28099m	20.260	ug/l	
42) 1,2-Dichloroethane	8.13	62	82665	20.804	ug/l	99
43) Isopropyl Acetate	8.16	43	132648	25.838	ug/l	99
44) Trichloroethene	8.84	130	71767	19.637	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68327	20.409	ug/l	97
46) Dibromomethane	9.21	93	44008	21.526	ug/l	99
47) Bromodichloromethane	9.40	83	90406	21.070	ug/l	99
48) Methyl methacrylate	9.20	41	61230	27.705	ug/l	98
49) 1,4-Dioxane	9.20	88	24662	688.411	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	394944	161.370	ug/l	100
52) Toluene	10.16	92	156361	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98451	23.257	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109854	22.500	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	64880	22.545	ug/l	99
56) Ethyl methacrylate	10.43	69	99674	28.966	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104913	22.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217051	143.234	ug/l	100
59) 2-Hexanone	10.75	43	275063	163.530	ug/l	99
60) Dibromochloromethane	10.90	129	74021	22.194	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65747	22.938	ug/l	100
64) Tetrachloroethene	10.63	164	65875	18.073	ug/l	96
65) Chlorobenzene	11.43	112	165614	19.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67834	21.303	ug/l	99
67) Ethyl Benzene	11.51	91	295927	20.987	ug/l	99
68) m/p-Xylenes	11.62	106	223114	41.134	ug/l	99
69) o-Xylene	11.95	106	111129	21.238	ug/l	97
70) Styrene	11.96	104	182826	22.057	ug/l	100
71) Bromoform	12.13	173	57556	24.476	ug/l #	100
73) Isopropylbenzene	12.25	105	292424	22.626	ug/l	100
74) N-amyl acetate	12.07	43	103325	31.316	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	88820	27.521	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72683m	25.930	ug/l	
77) Bromobenzene	12.53	156	74756	21.642	ug/l	99
78) n-propylbenzene	12.59	91	316779	22.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	190749	21.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	244061	22.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29141	32.120	ug/l	99
82) 4-Chlorotoluene	12.77	91	184871	21.379	ug/l	100
83) tert-Butylbenzene	12.99	119	213909	22.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241555	22.570	ug/l	99
85) sec-Butylbenzene	13.17	105	272071	21.210	ug/l	100
86) p-Isopropyltoluene	13.29	119	247617	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123036	20.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	118708	19.654	ug/l	99
89) n-Butylbenzene	13.61	91	200056	21.766	ug/l	100
90) Hexachloroethane	13.87	117	48305	22.130	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	123682	20.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17327	34.030	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:16:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65870	21.341	ug/l	100
94) Hexachlorobutadiene	15.01	225	43868	17.886	ug/l	99
95) Naphthalene	15.13	128	177436	28.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69599	23.129	ug/l	100

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

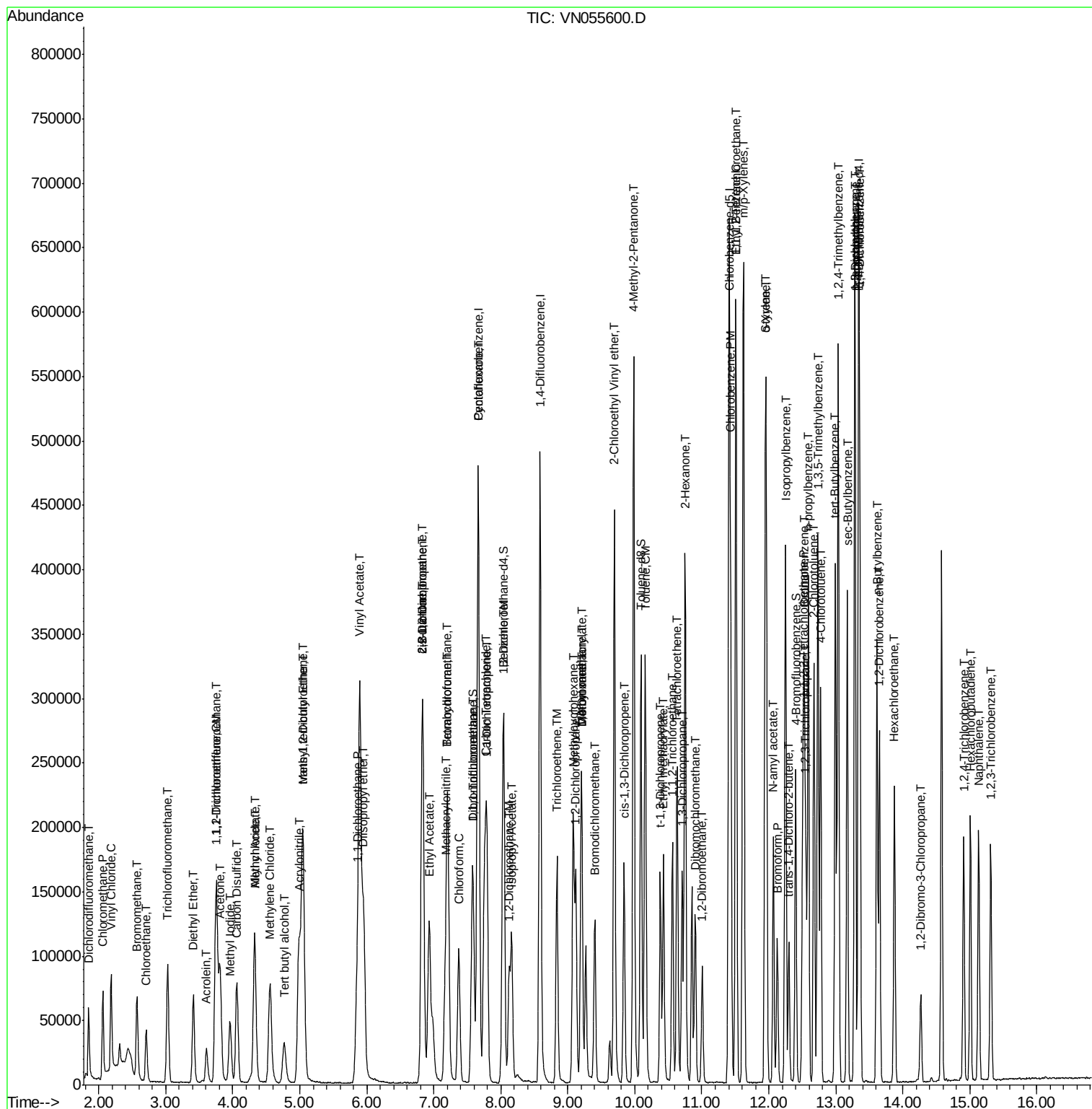
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Data File : VN055600.D
Acq On : 17 May 2019 10:16
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Sample : VSTDIC020
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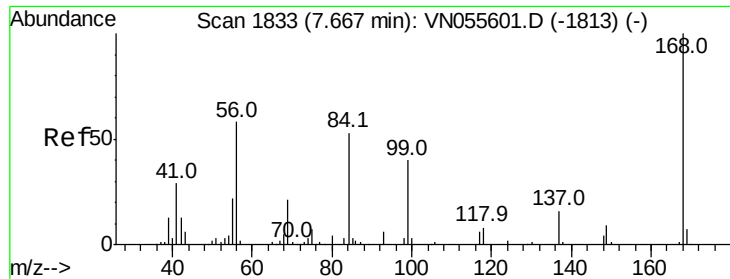
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 319049

Ion Ratio Lower Upper

168 100

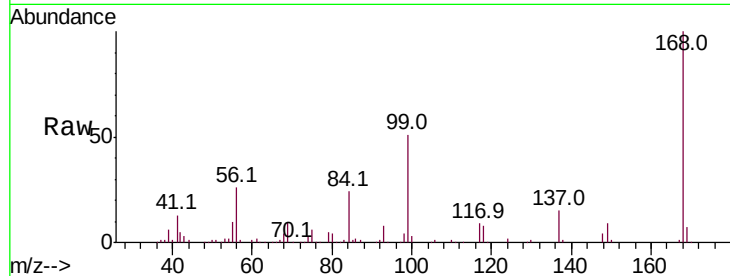
99 50.4 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

150000

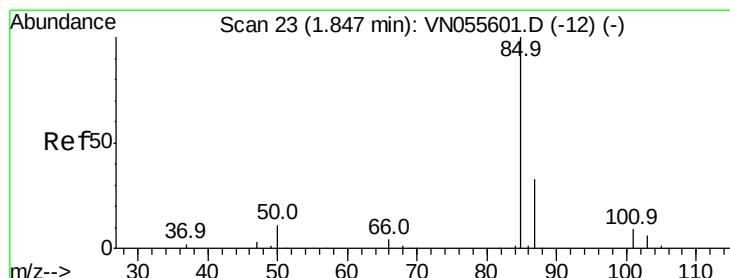
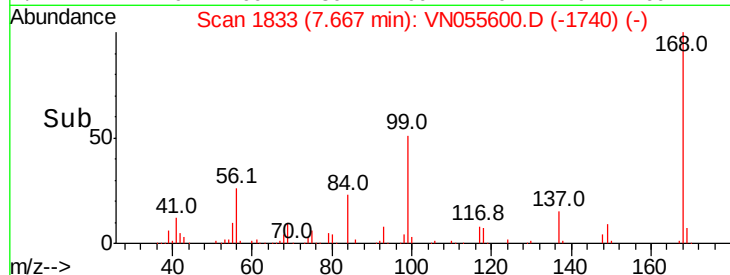
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.742 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055600.D

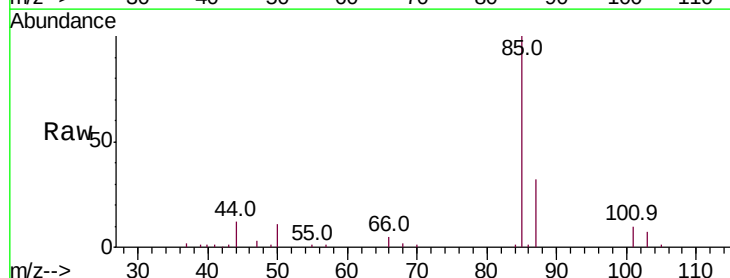
Acq: 17 May 2019 10:16

Tgt Ion: 85 Resp: 47754

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

30000

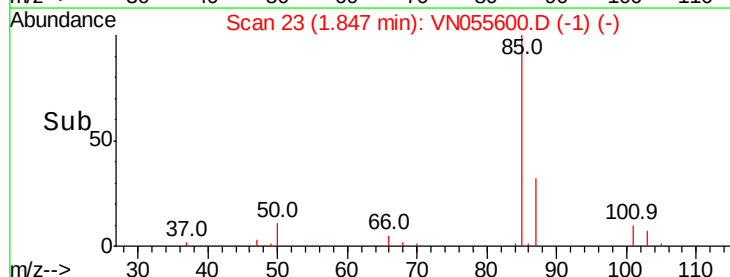
20000

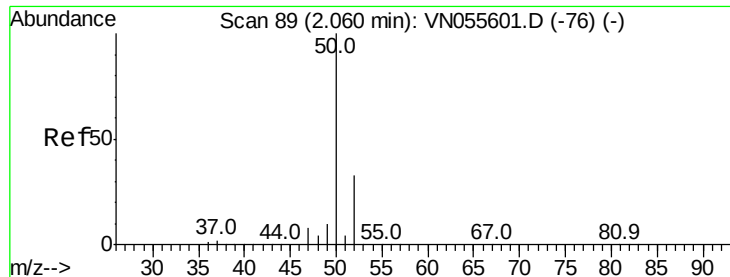
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.828 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 63325

Ion Ratio Lower Upper

50 100

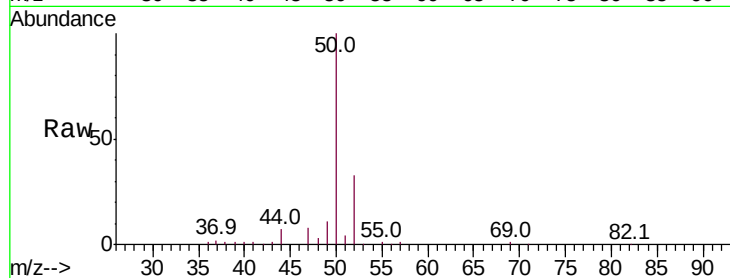
52 33.3 26.7 40.1

Manual Integrations

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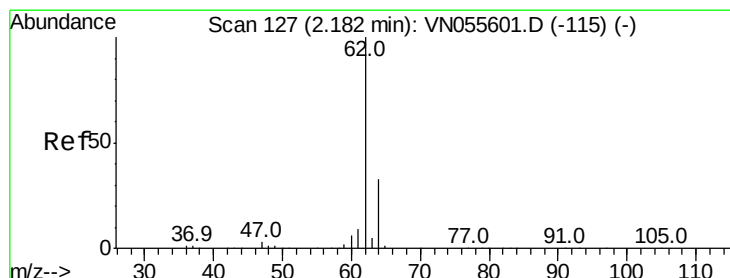
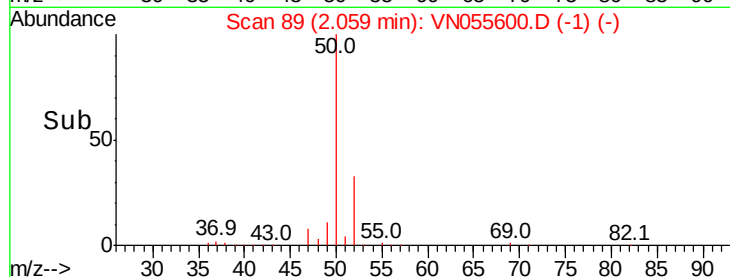
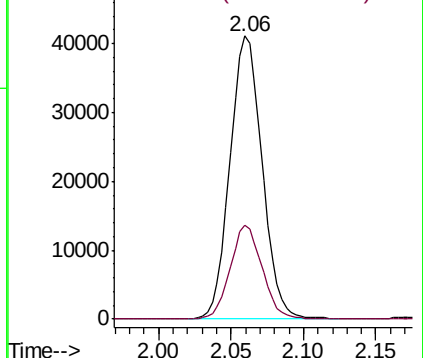
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.111 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055600.D

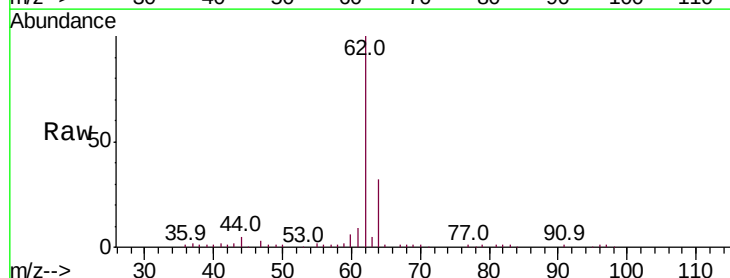
Acq: 17 May 2019 10:16

Tgt Ion: 62 Resp: 69576

Ion Ratio Lower Upper

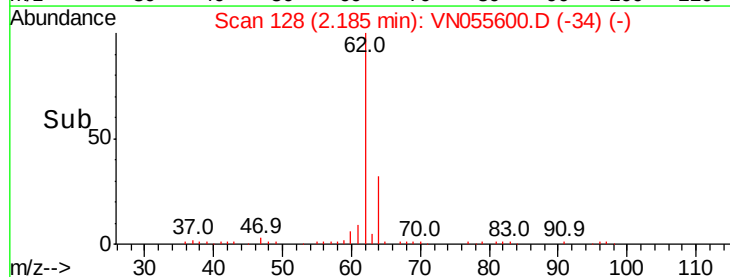
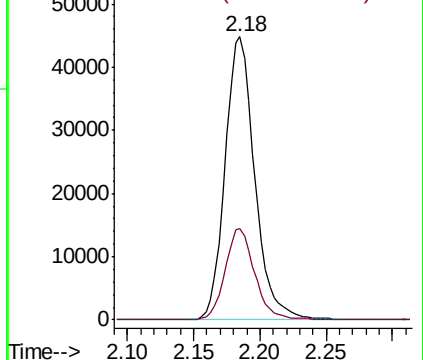
62 100

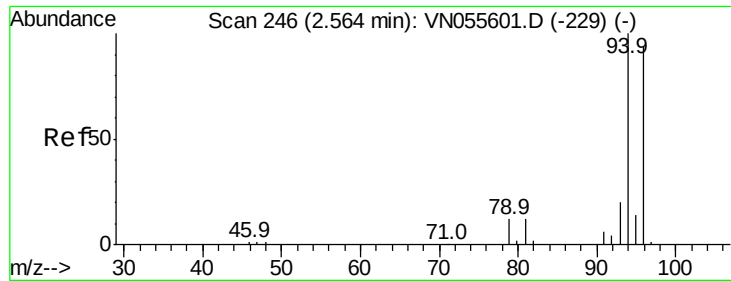
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.148 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 45213

Ion Ratio Lower Upper

94 100

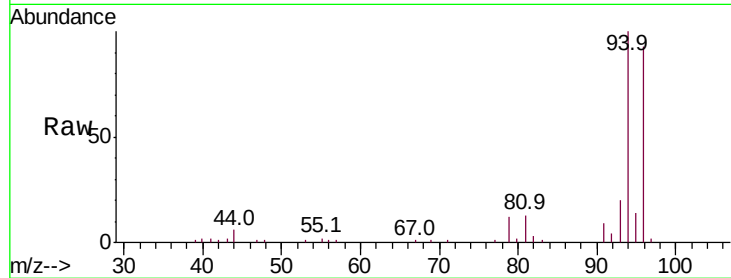
96 92.4 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

0

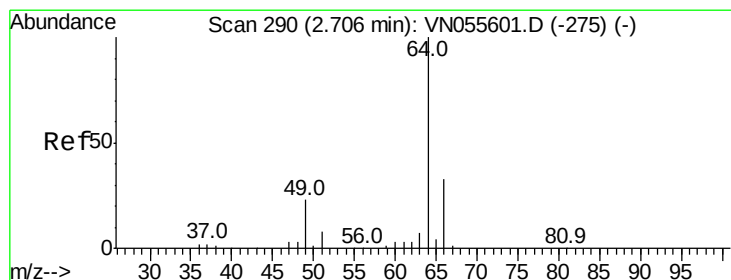
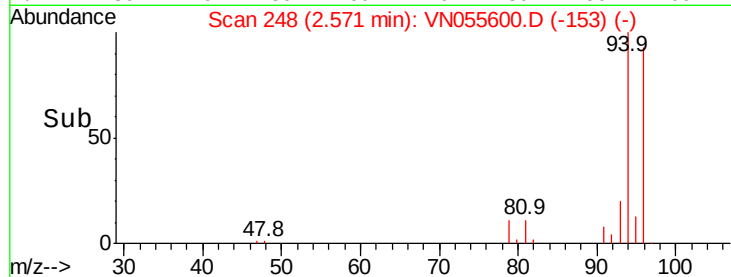
2.50

2.55

2.60

2.65

Time-->



#6

Chloroethane

Concen: 16.857 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN055600.D

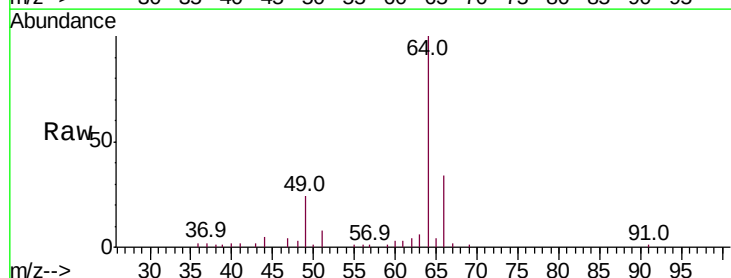
Acq: 17 May 2019 10:16

Tgt Ion: 64 Resp: 39232

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

5000

0

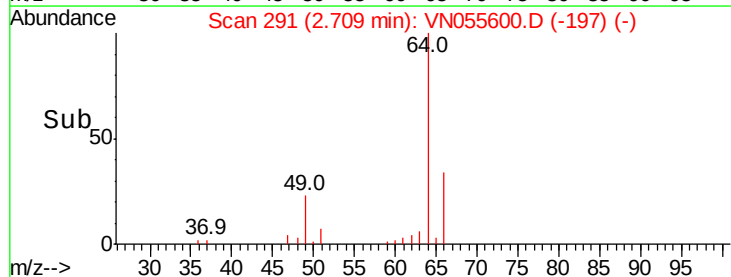
2.65

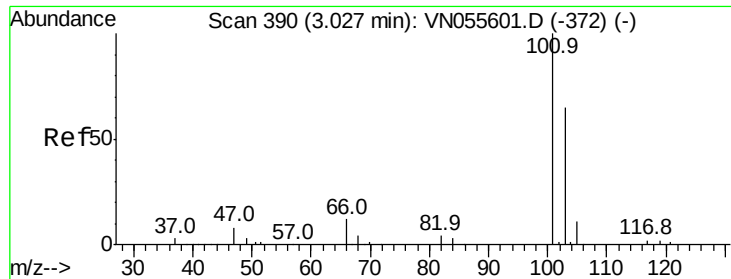
2.70

2.75

2.80

Time-->





#7

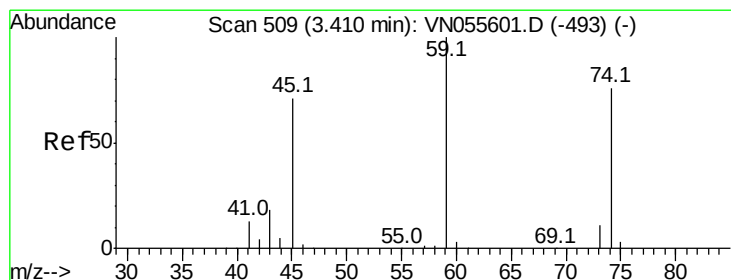
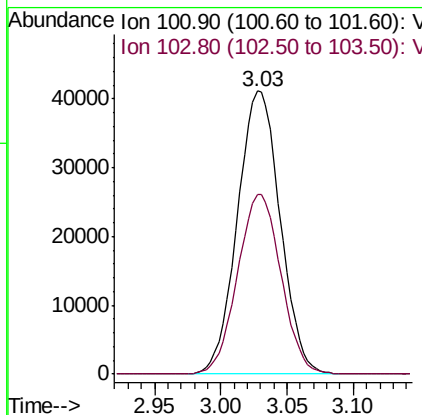
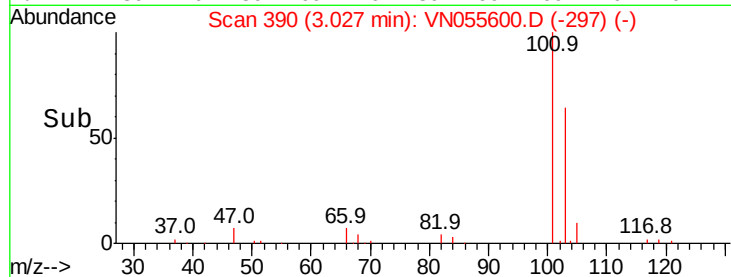
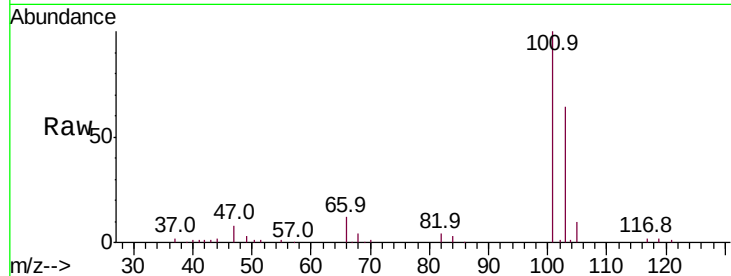
Trichlorofluoromethane
 Concen: 17.895 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.3	78.5

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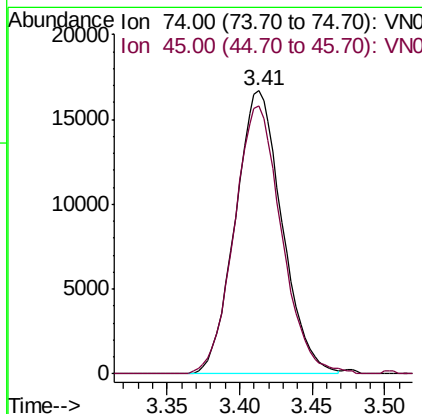
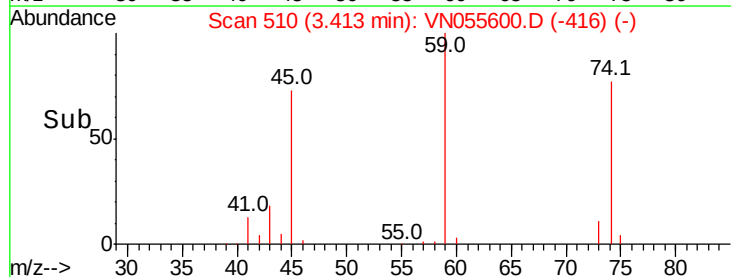
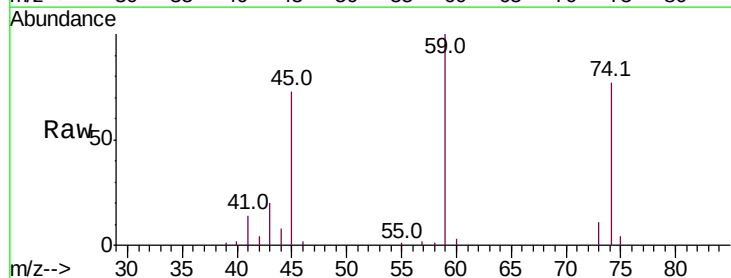
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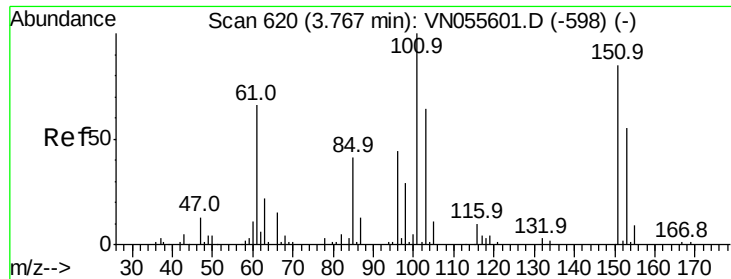


#8

Diethyl Ether
 Concen: 20.072 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.906 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

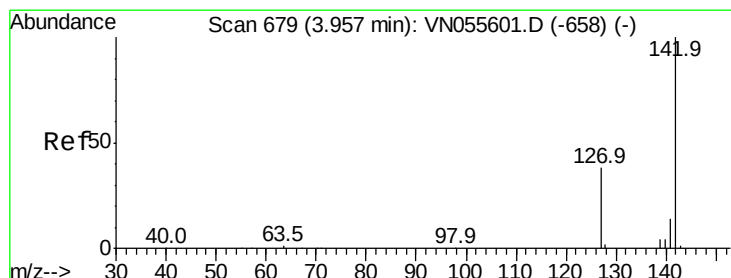
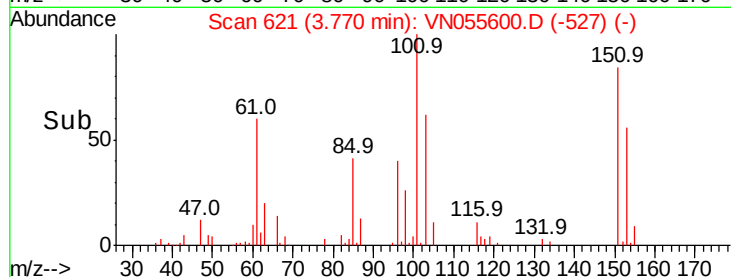
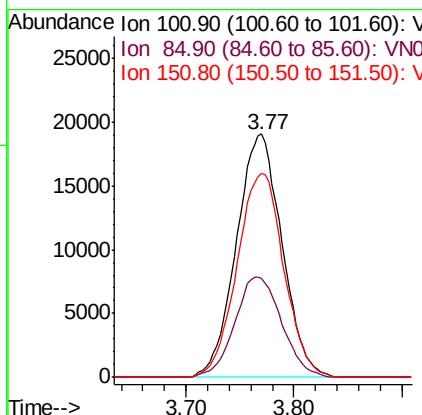
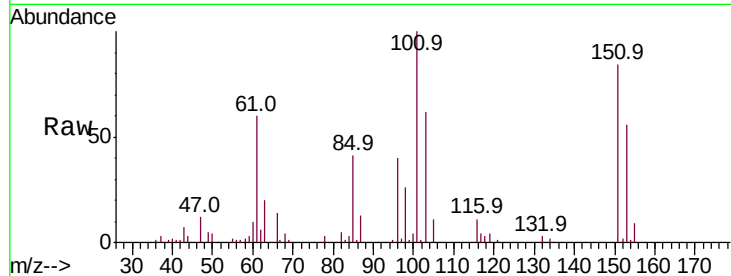
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	55981
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.0
151	86.0	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.418 ug/l

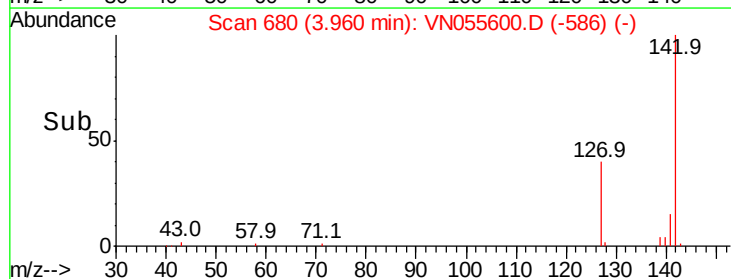
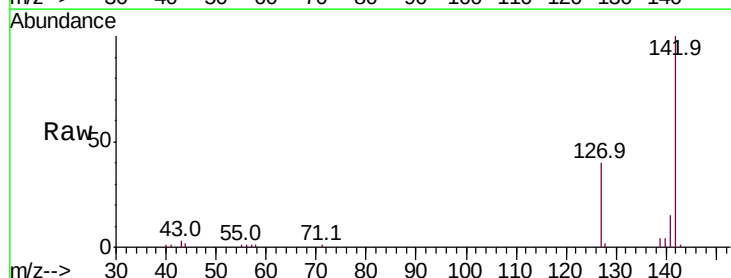
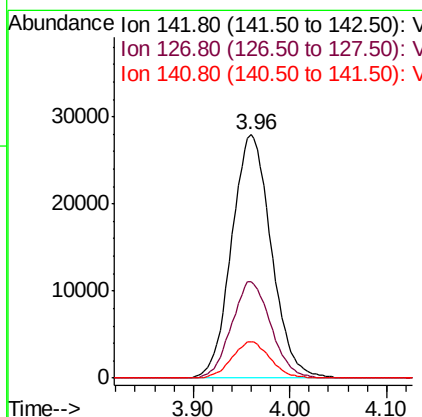
RT: 3.96 min Scan# 680

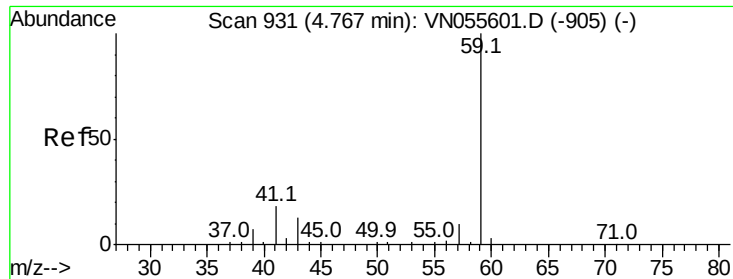
Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	142	Resp:	79239
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.0	46.4
141	14.4	11.5	17.3





#11

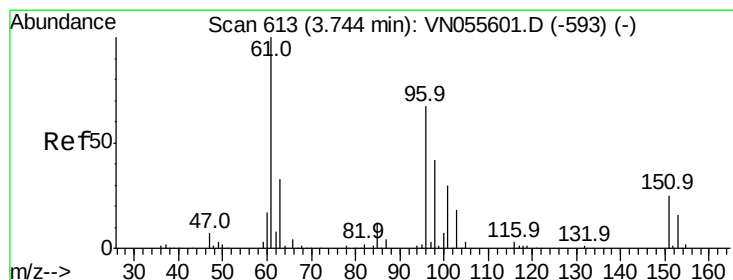
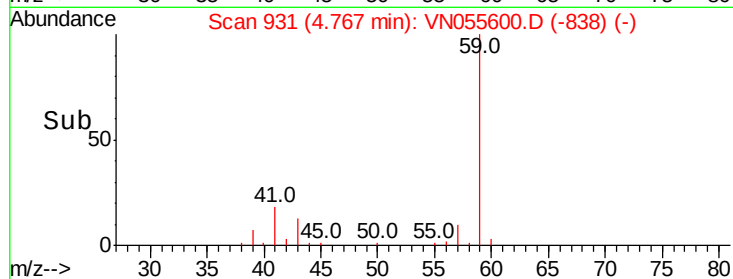
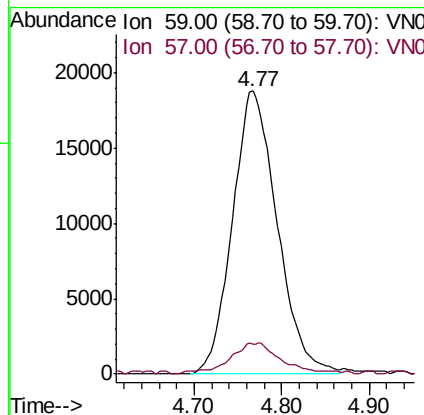
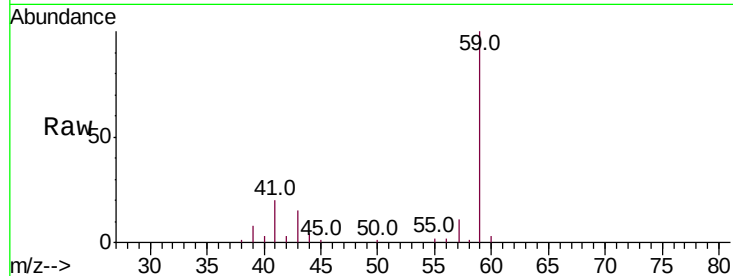
Tert butyl alcohol
 Concen: 224.627 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.8	11.6#

Manual Integrations
 APPROVED

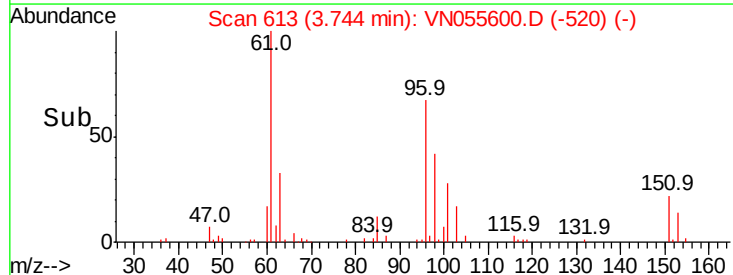
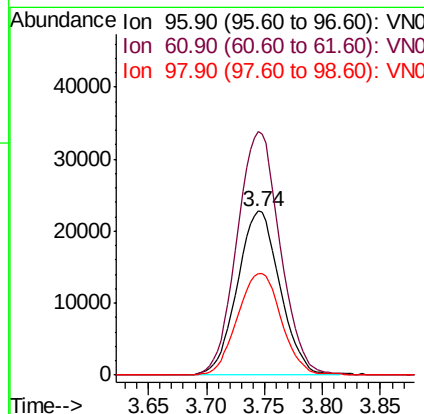
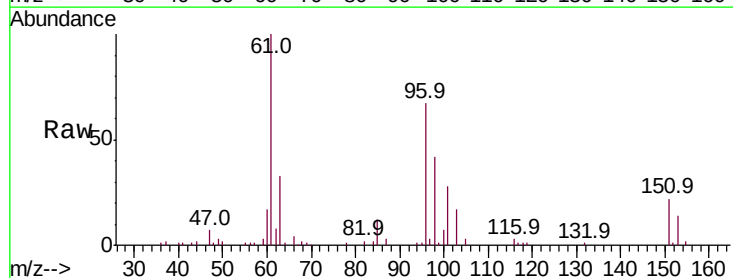
MMDadoda
 5/20/2019 9:09:57 AM

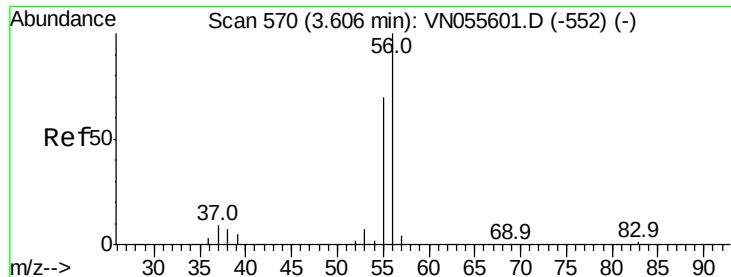


#12

1,1-Dichloroethene
 Concen: 19.792 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	120.2	180.2
98	62.0	50.6	75.8





#13

Acrolein

Concen: 192.938 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 32208

Ion Ratio Lower Upper

56 100

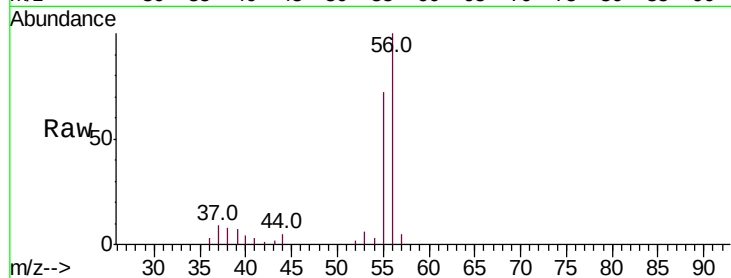
55 73.1 56.5 84.7

Manual Integrations

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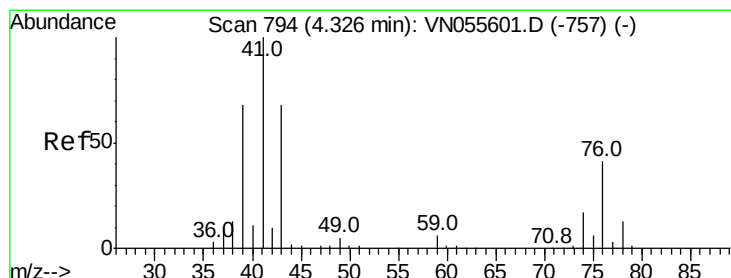
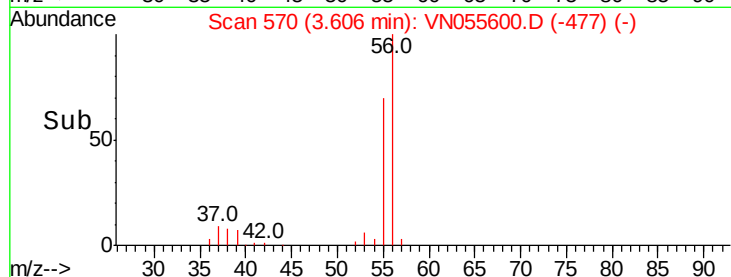
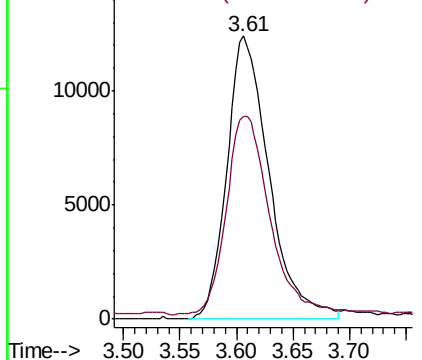
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 21.391 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

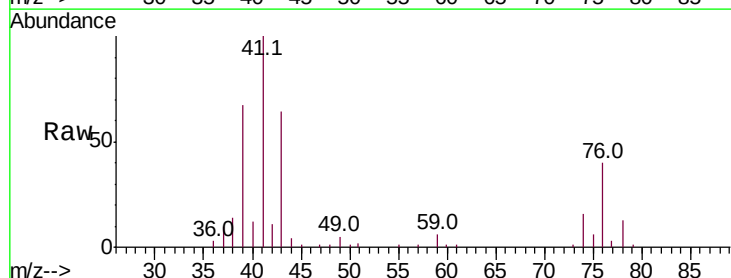
Tgt Ion: 41 Resp: 96667

Ion Ratio Lower Upper

41 100

39 62.2 50.5 75.7

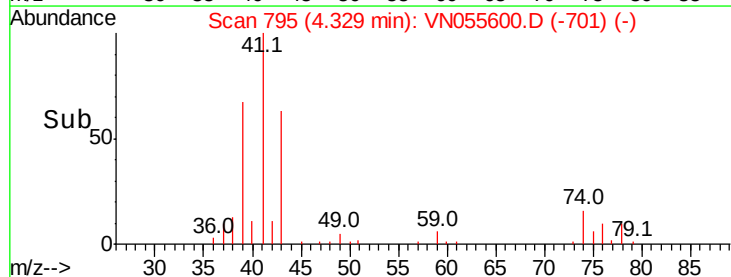
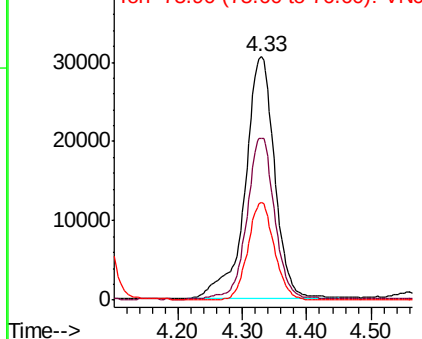
76 36.2 29.2 43.8

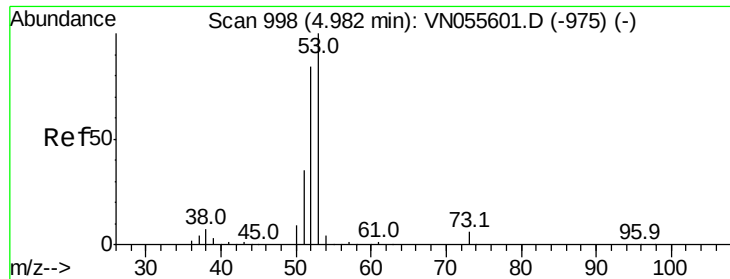


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 134.799 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

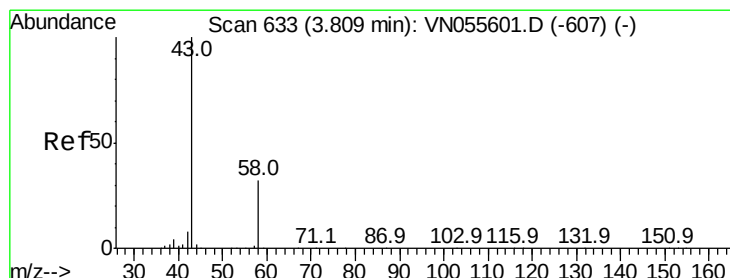
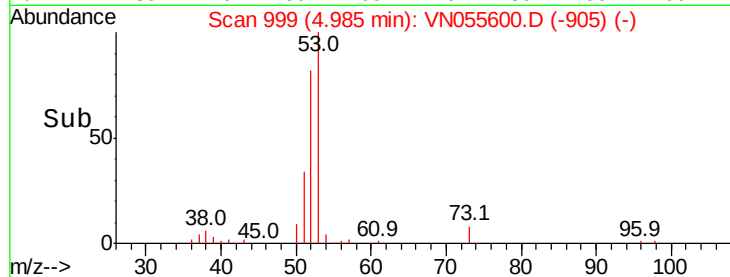
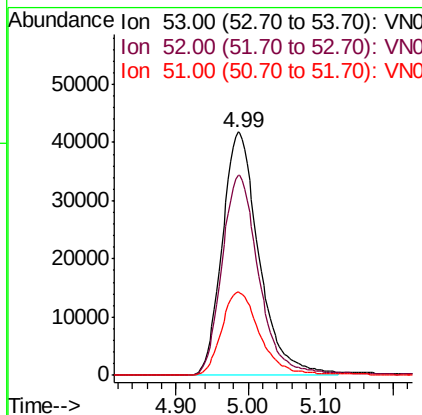
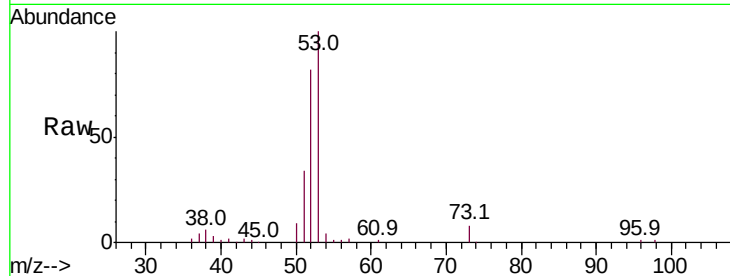
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	147459
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 147.813 ug/l

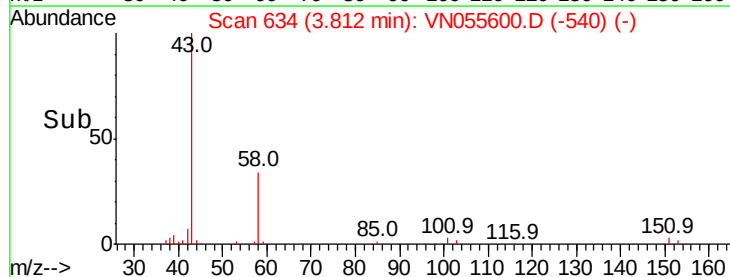
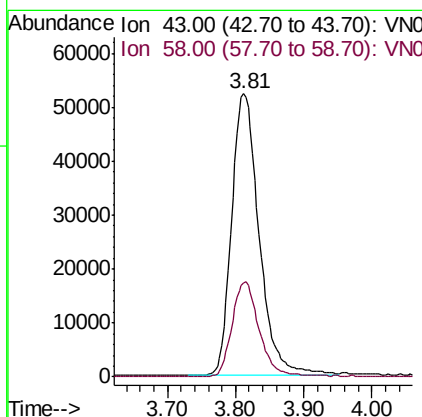
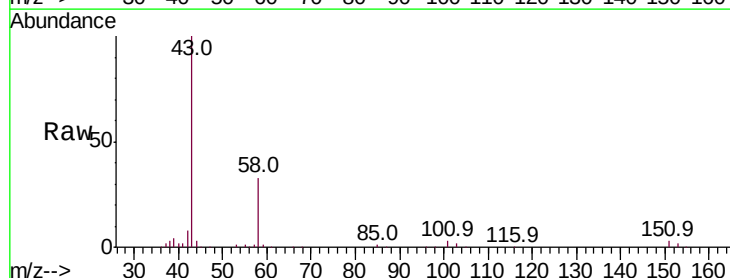
RT: 3.81 min Scan# 634

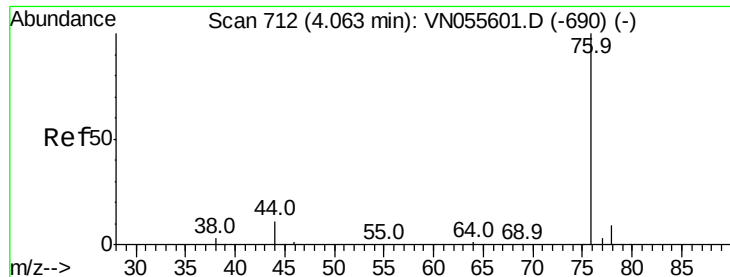
Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	43	Resp:	146358
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.0	39.0





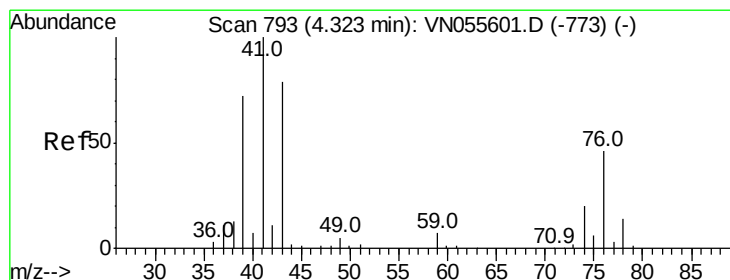
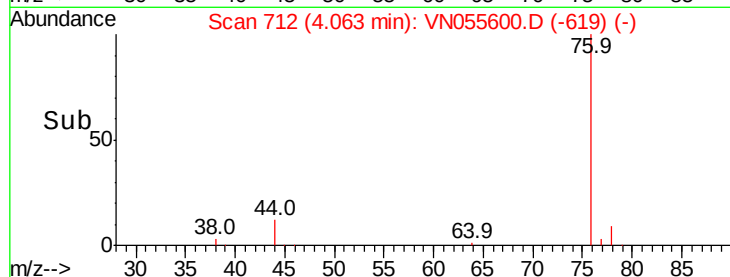
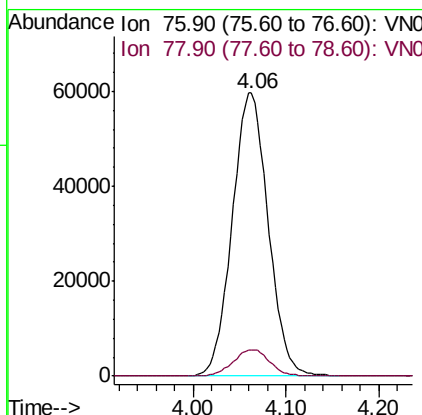
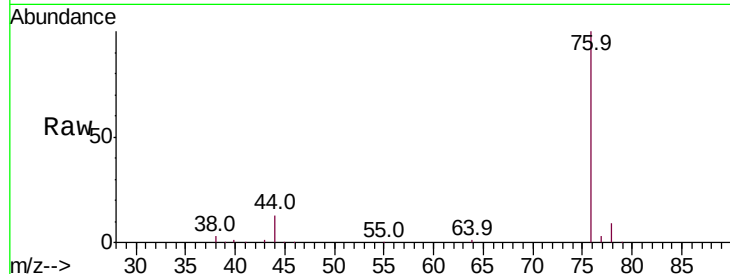
#17
Carbon Disulfide
Concen: 17.893 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
76	100	160585		
78	9.3		7.3	10.9

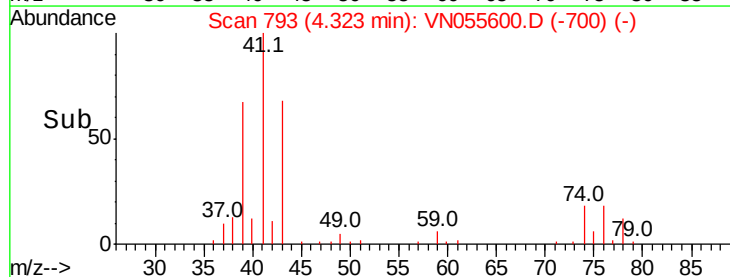
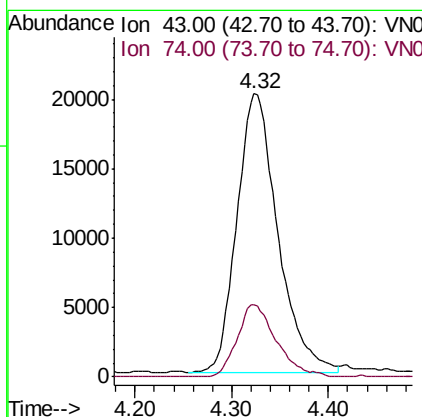
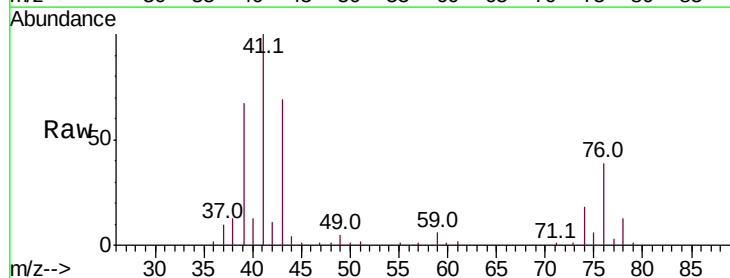
Manual Integrations
APPROVED

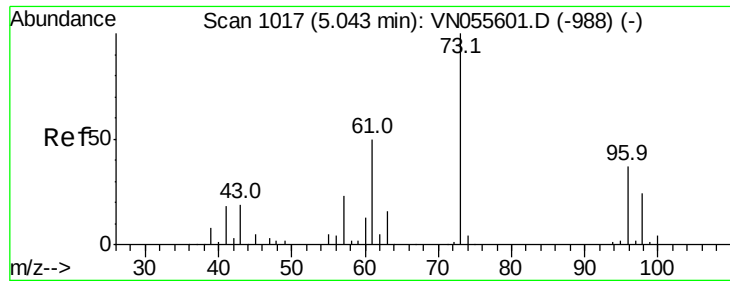
MMDadoda
5/20/2019 9:09:57 AM



#18
Methyl Acetate
Concen: 25.627 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	58747		
74	24.8		19.9	29.9





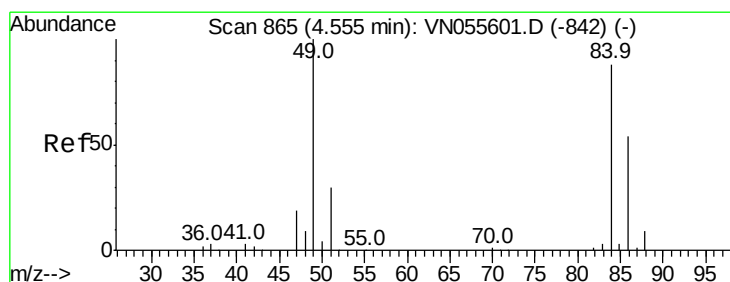
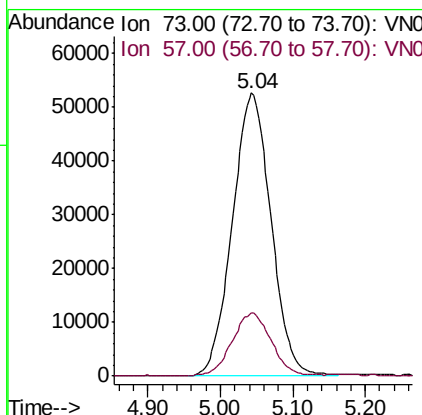
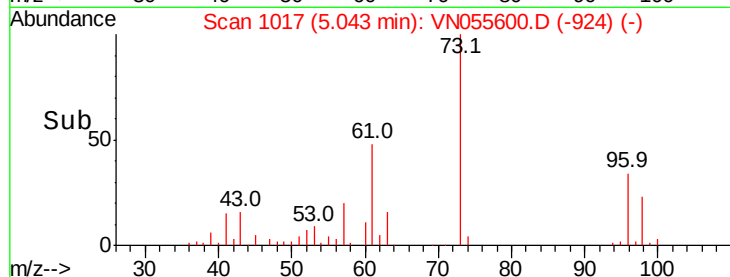
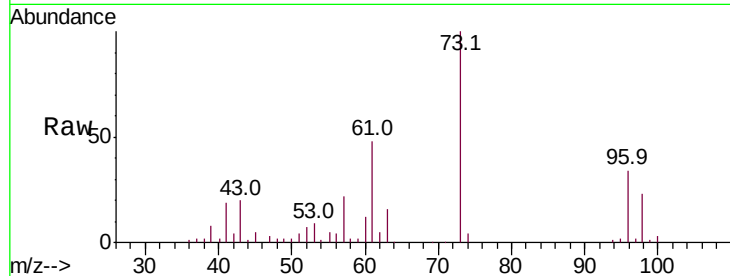
#19
Methyl tert-butyl Ether
Concen: 25.078 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.2

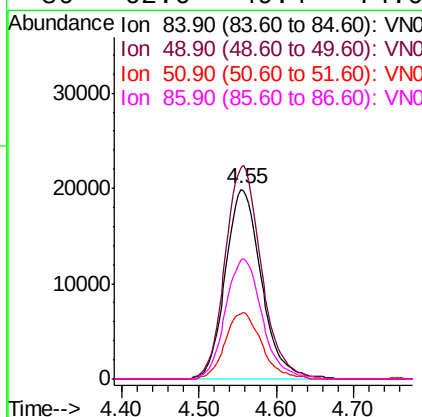
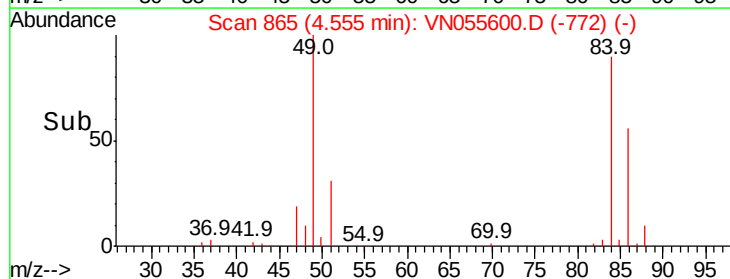
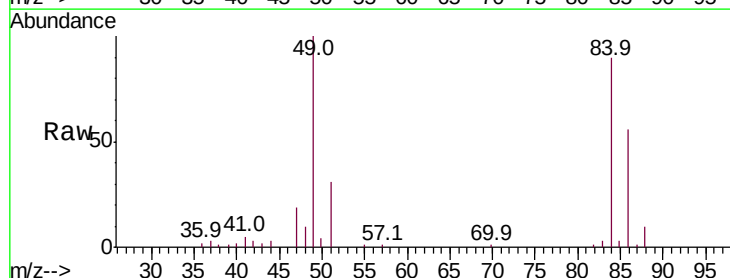
Manual Integrations
APPROVED

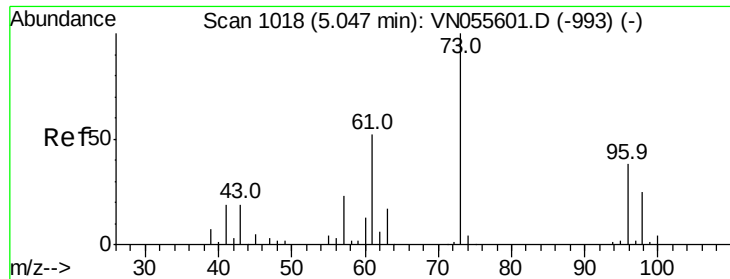
MMDadoda
5/20/2019 9:09:57 AM



#20
Methylene Chloride
Concen: 19.280 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.0	91.0	136.4
51	34.4	27.5	41.3
86	62.6	49.4	74.0





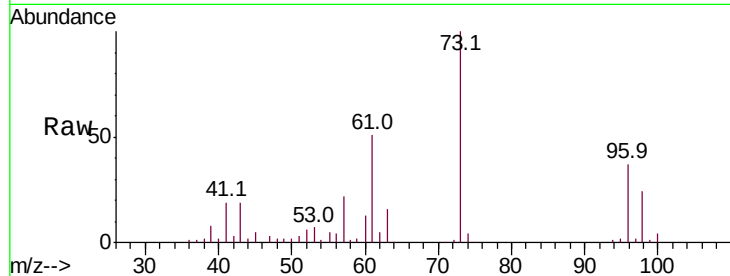
#21
trans-1,2-Dichloroethene
Concen: 20.113 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	108.6	162.8
98	65.1	51.4	77.0

Manual Integrations
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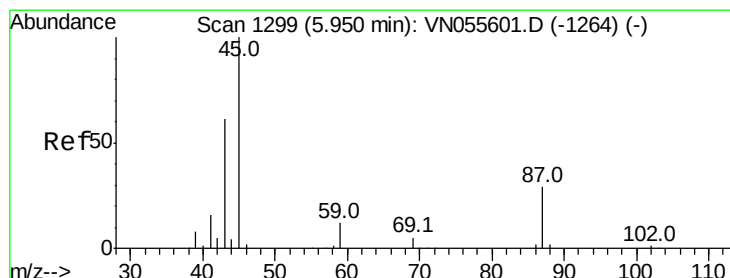
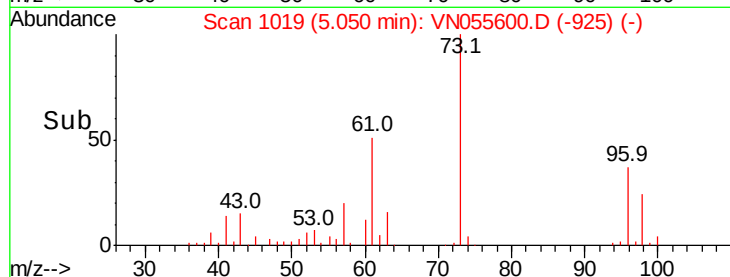
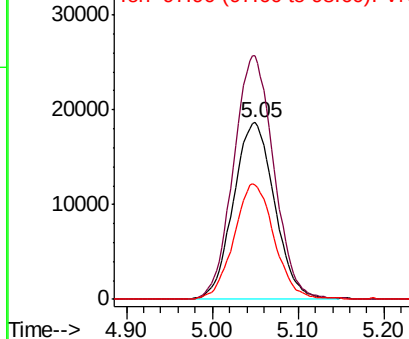


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 22.079 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	50.4	75.6
87	29.2	23.8	35.6
59	11.6	9.5	14.3

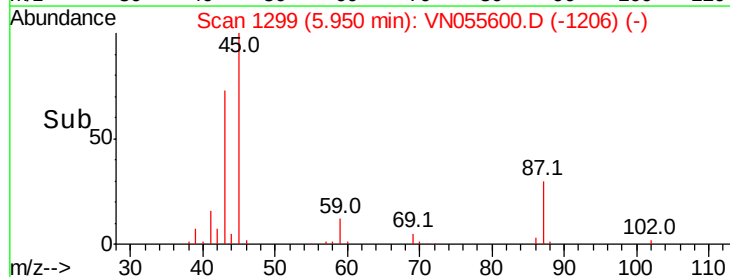
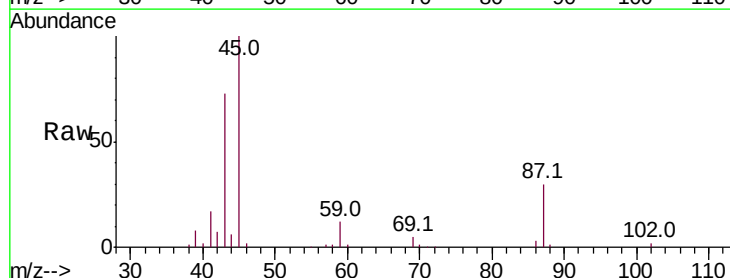
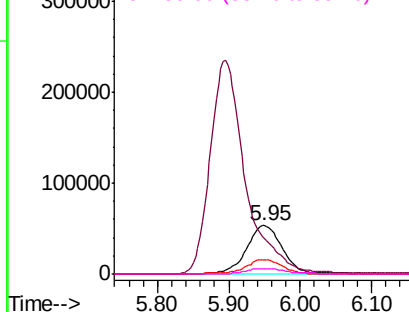
Abundance

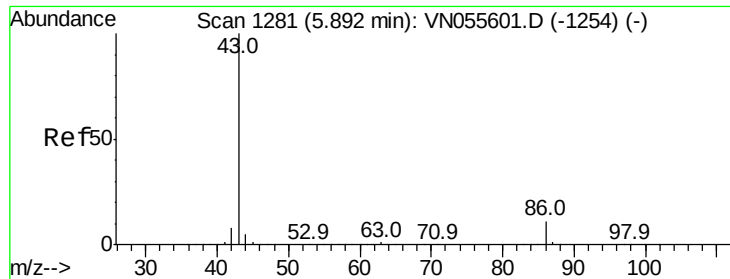
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 128.700 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 806361

Ion Ratio Lower Upper

43 100

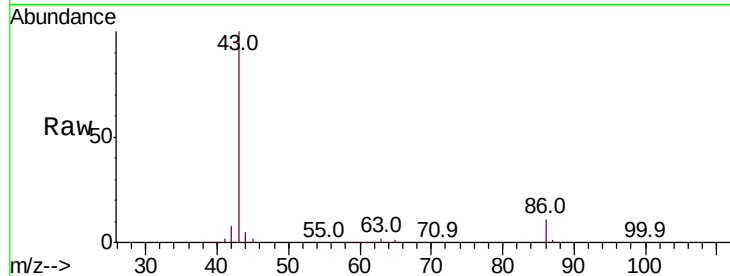
86 11.1 8.7 13.1

Manual Integrations

APPROVED

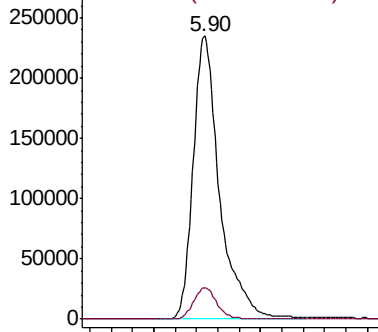
MMDadoda

5/20/2019 9:09:57 AM

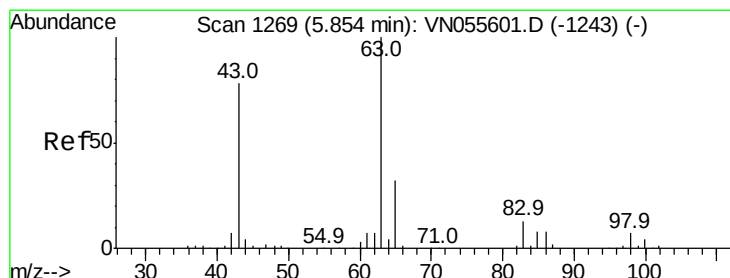
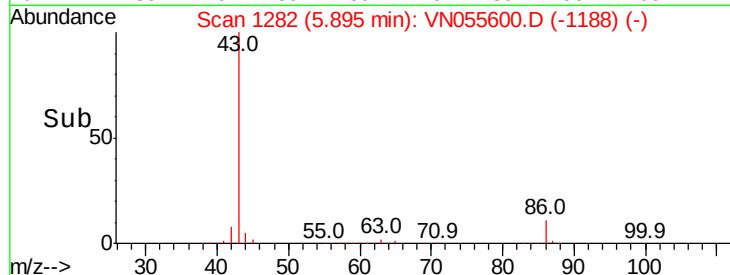


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.797 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

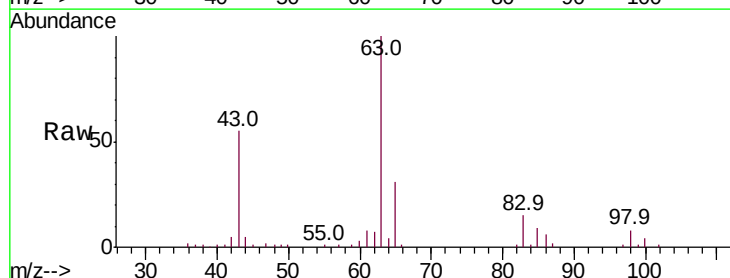
Tgt Ion: 63 Resp: 111365

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

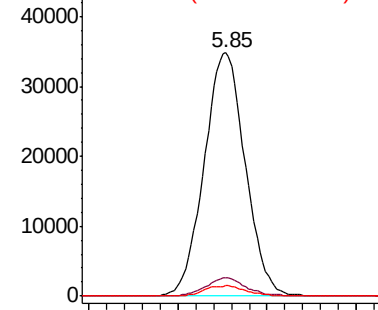
100 4.1 2.2 6.6



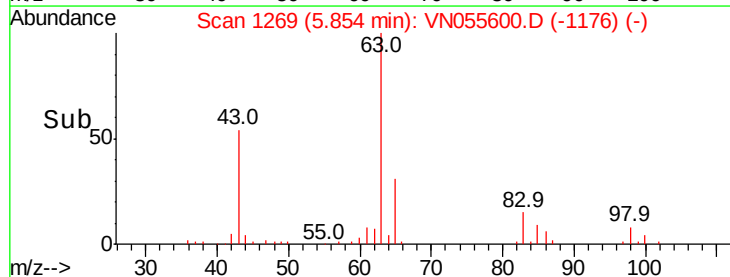
Abundance Ion 62.90 (62.60 to 63.60): VN0

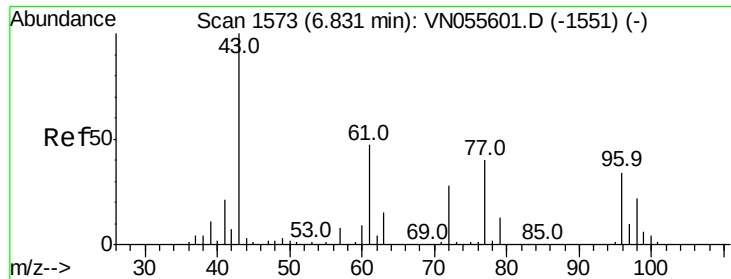
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





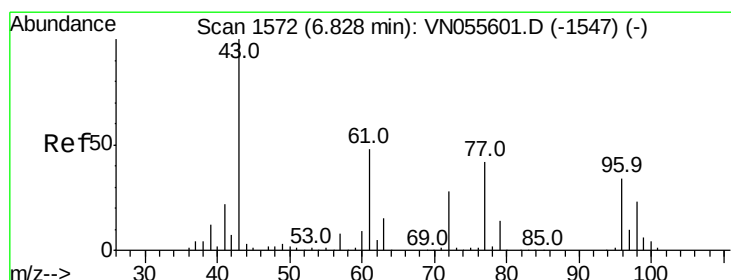
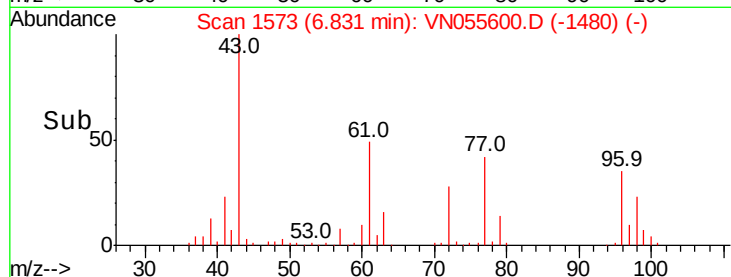
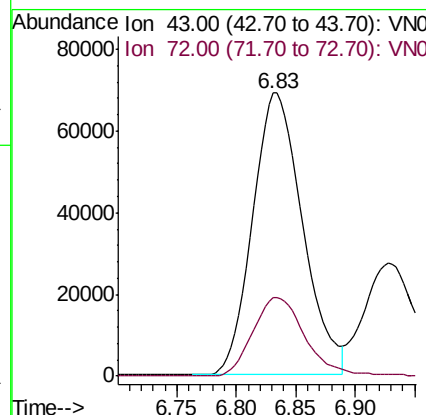
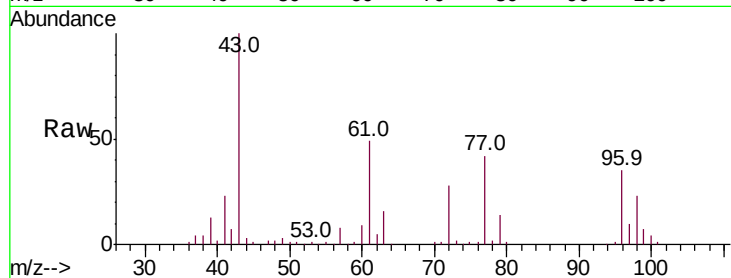
#25
2-Butanone
Concen: 154.476 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 200633
Ion Ratio Lower Upper
43 100
72 27.7 22.3 33.5

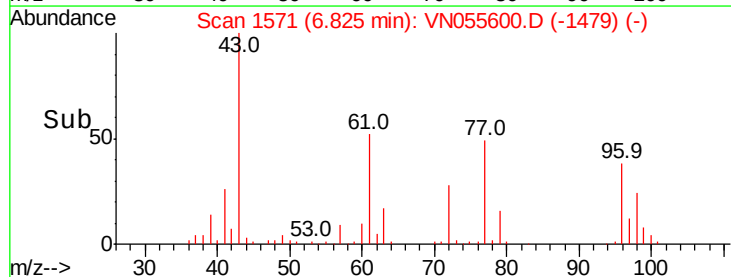
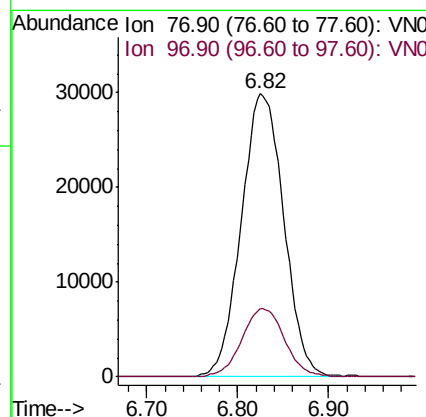
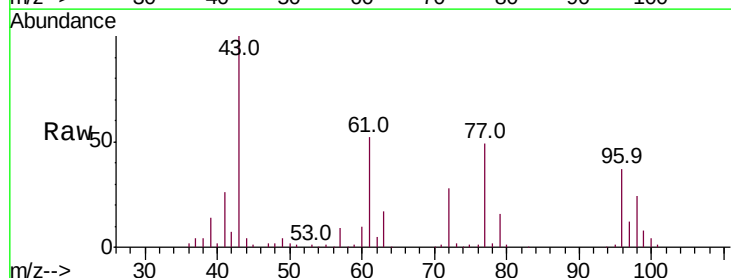
Manual Integrations
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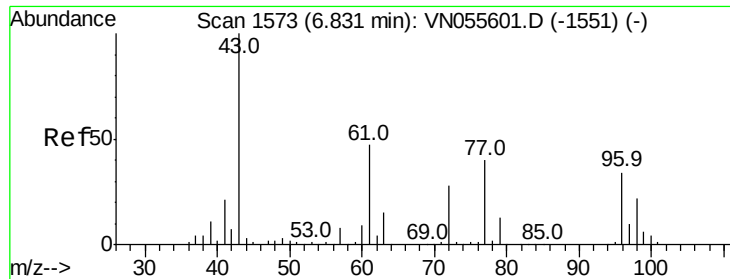
MMDadoda
5/20/2019 9:09:57 AM



#26
2,2-Dichloropropane
Concen: 22.279 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 77 Resp: 97019
Ion Ratio Lower Upper
77 100
97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.814 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

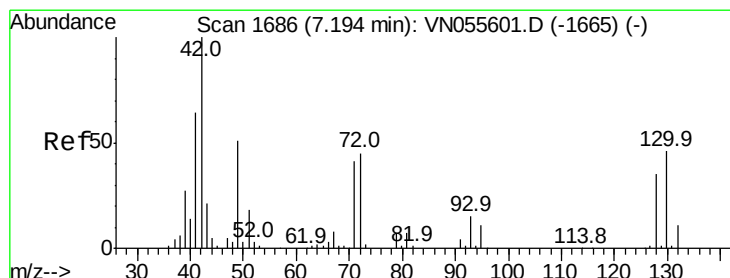
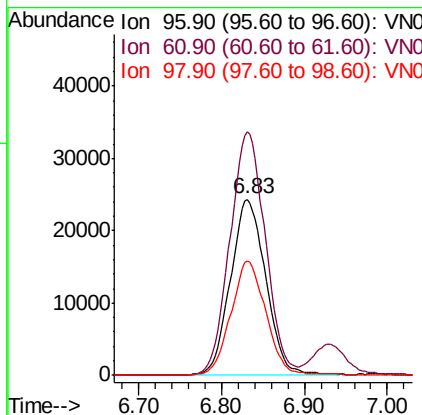
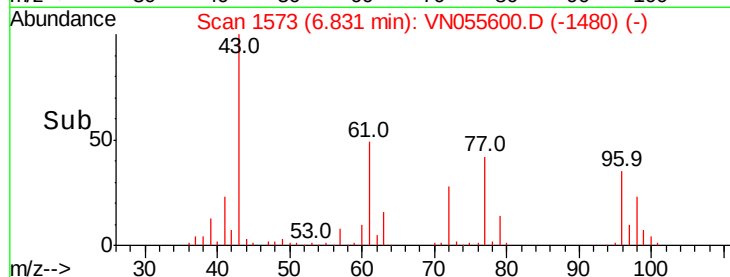
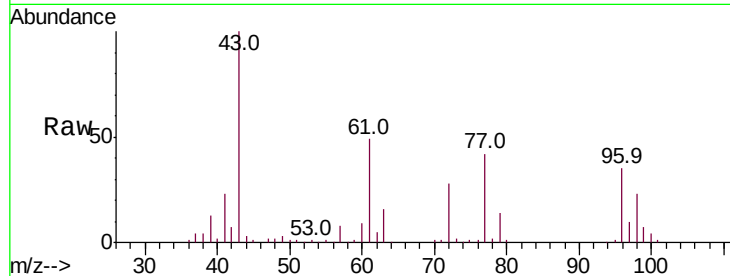
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	72360
Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	279.0
98	63.8	0.0	131.6

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#28

Bromochloromethane

Concen: 20.436 ug/l

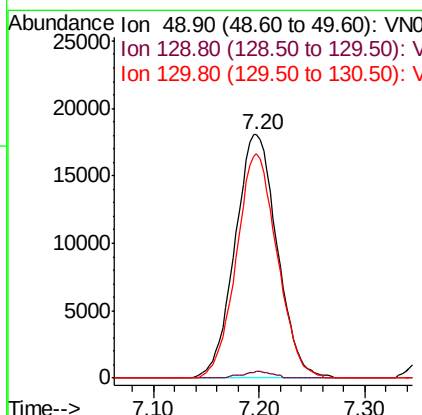
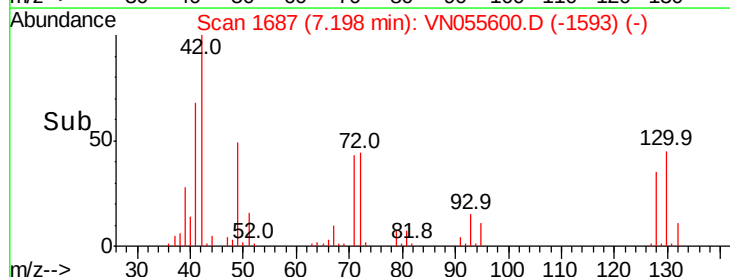
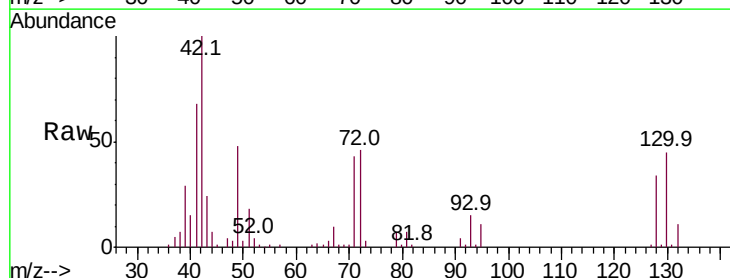
RT: 7.20 min Scan# 1687

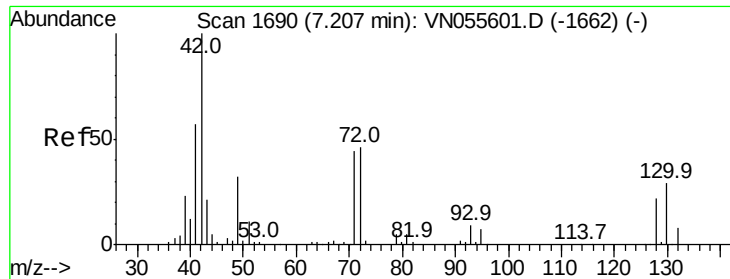
Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	49	Resp:	50196
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	89.1	71.0	106.6





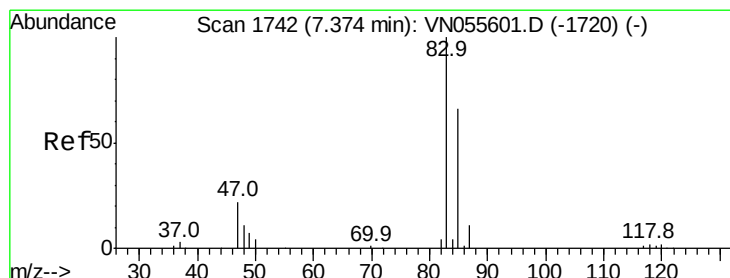
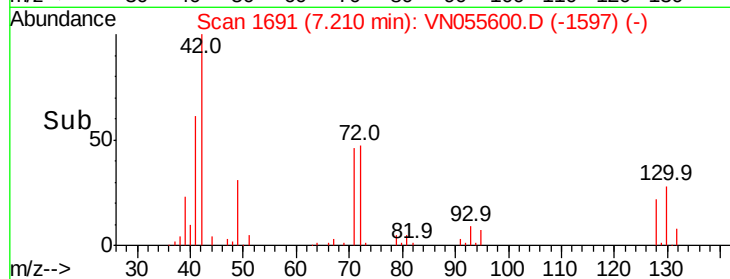
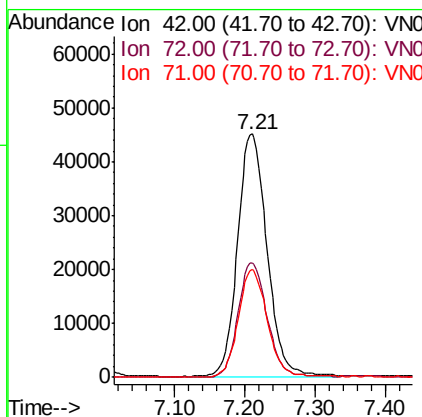
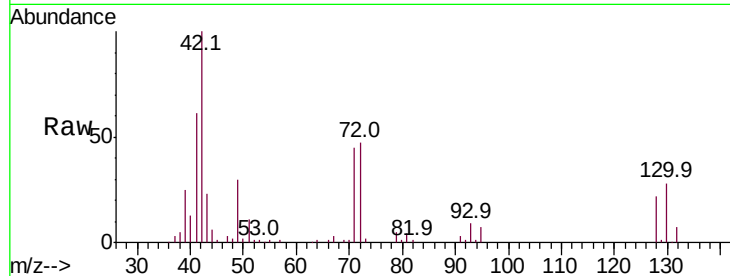
#29
Tetrahydrofuran
Concen: 156.745 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.5	54.7
71	43.9	34.9	52.3

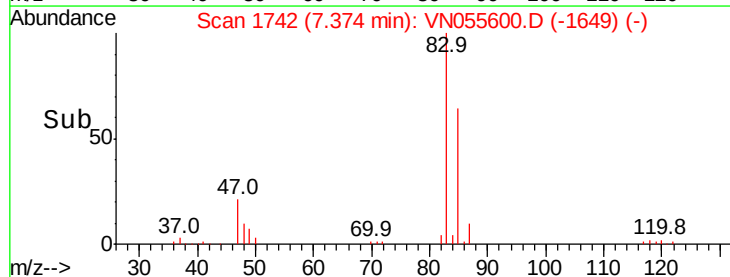
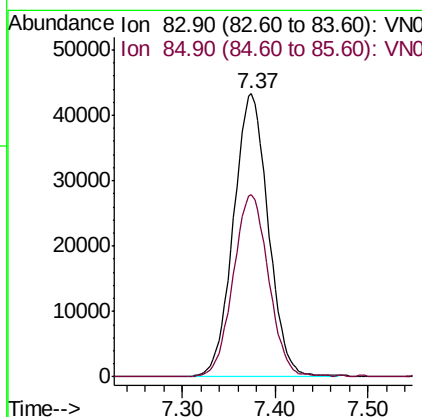
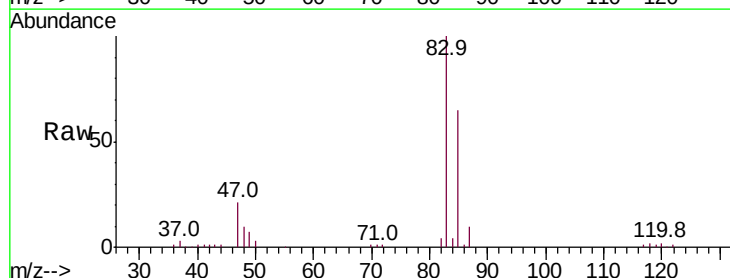
Manual Integrations
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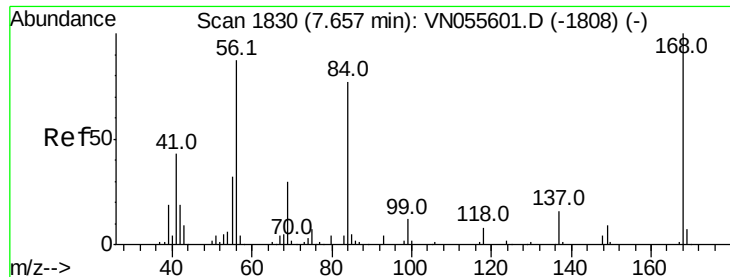
MMDadoda
5/20/2019 9:09:57 AM



#30
Chloroform
Concen: 19.919 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





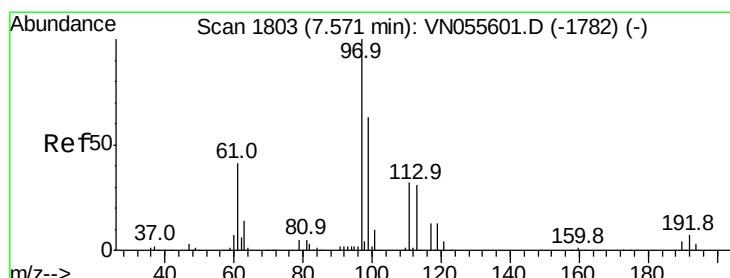
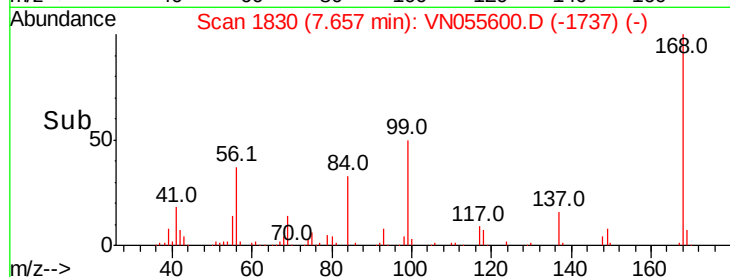
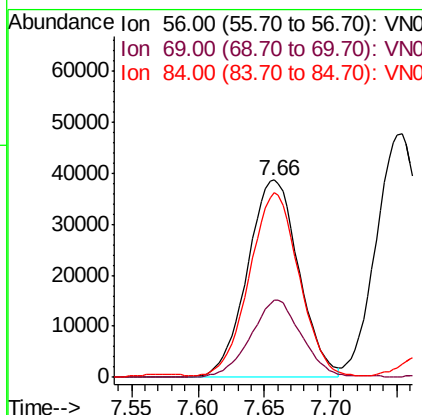
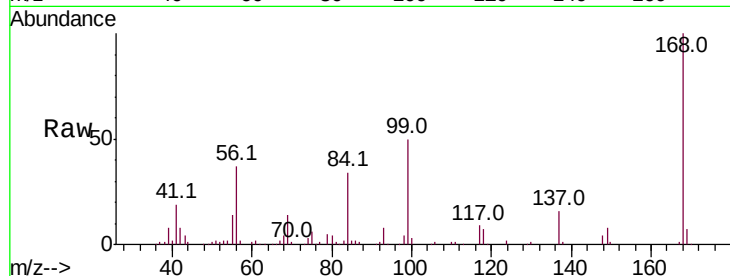
#31
Cyclohexane
Concen: 17.918 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.2	40.8
84	92.7	71.3	106.9

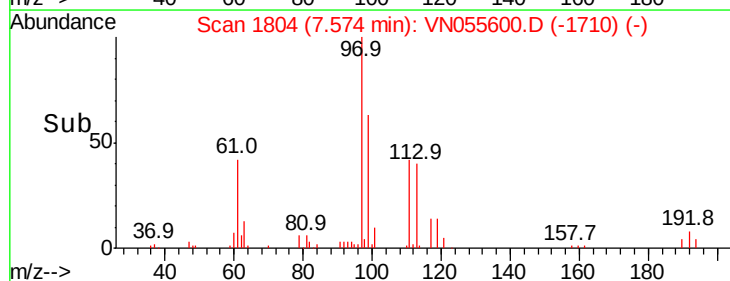
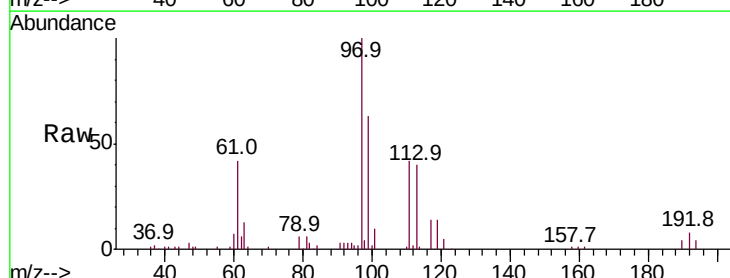
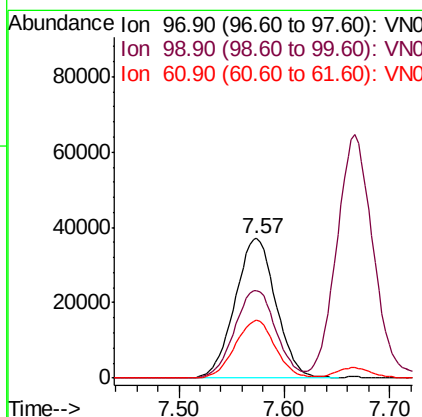
Manual Integrations
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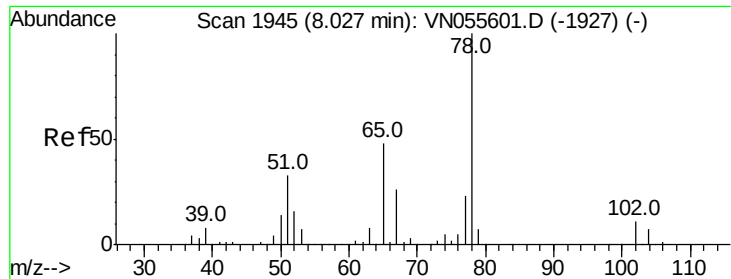
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#32
1,1,1-Trichloroethane
Concen: 20.531 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	40.8	32.9	49.3





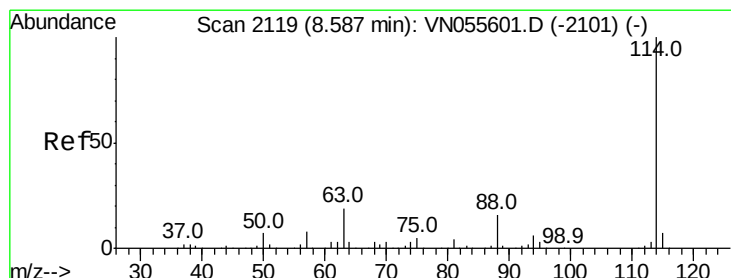
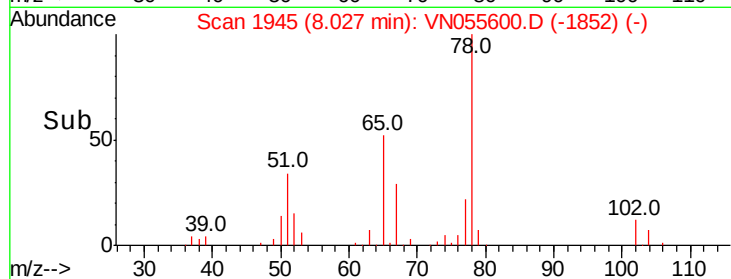
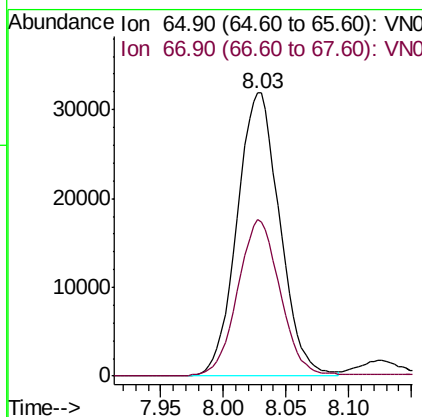
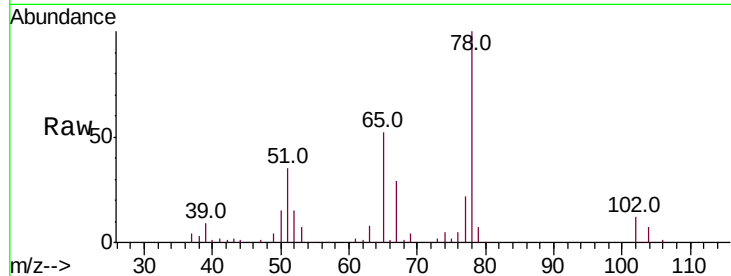
#33
 1,2-Dichloroethane-d4
 Concen: 22.909 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	75711		
67	55.2	0.0	108.6	

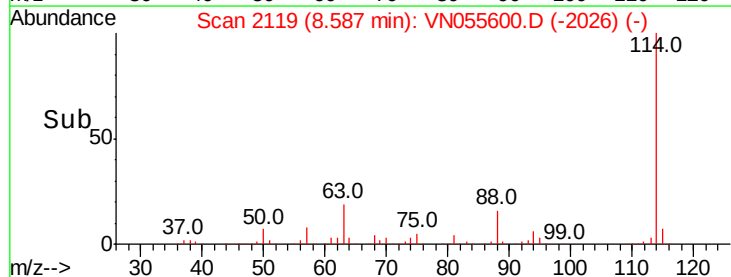
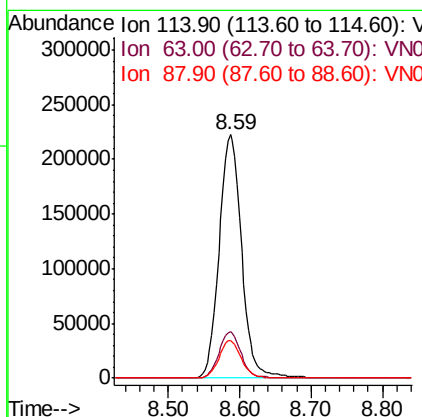
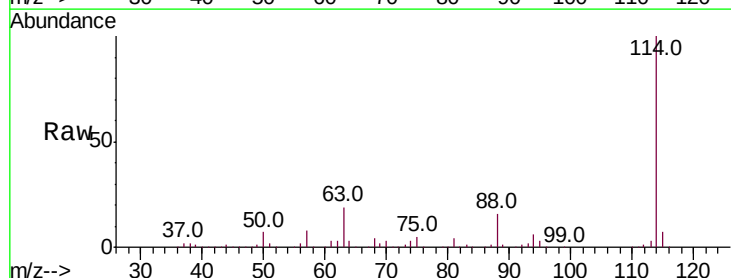
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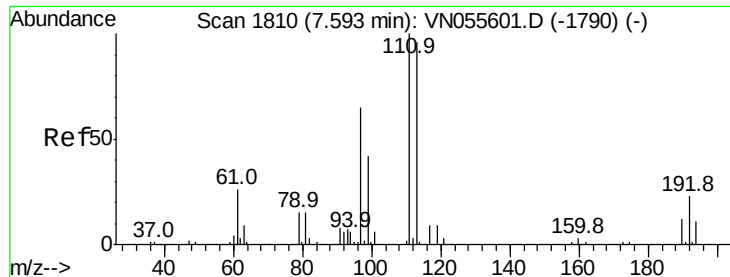
MMDadoda
 5/20/2019 9:09:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	485563		
63	19.0	0.0	38.2	
88	15.5	0.0	31.0	





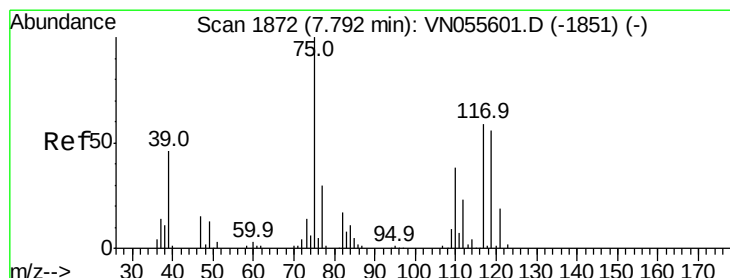
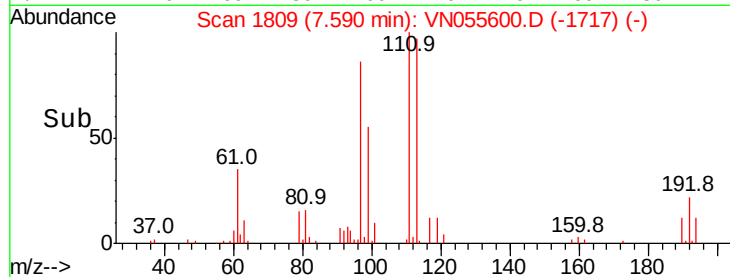
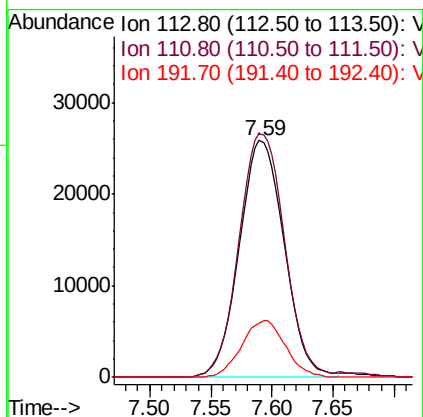
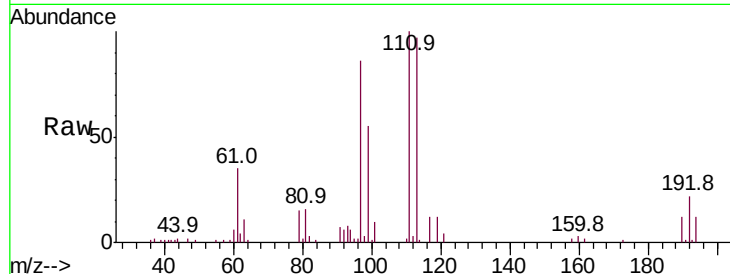
#35
 Dibromofluoromethane
 Concen: 20.732 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.5	123.7
192	23.5	18.7	28.1

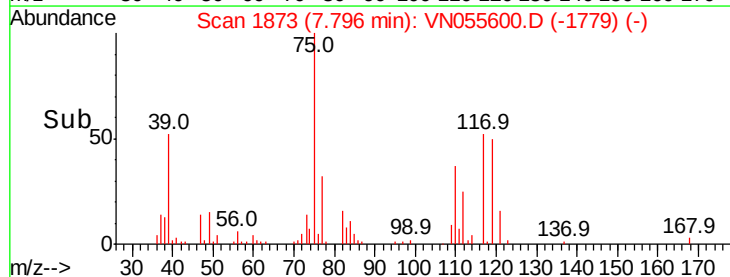
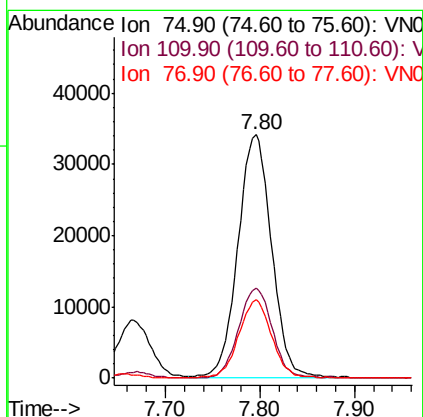
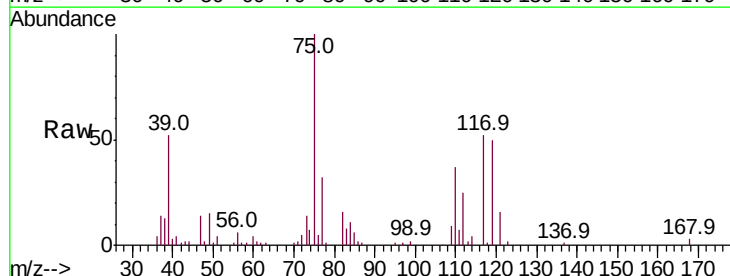
Manual Integrations
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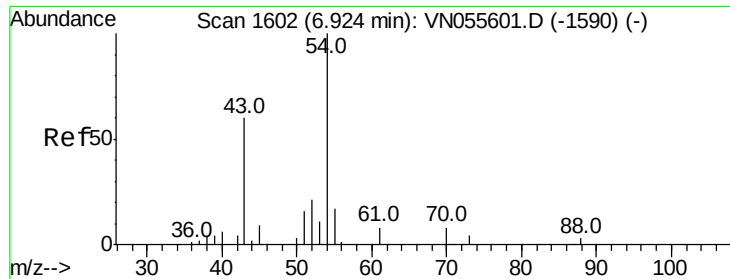
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 5/20/2019 9:09:57 AM



#36
 1,1-Dichloropropene
 Concen: 19.150 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	55.6
77	31.2	24.9	37.3





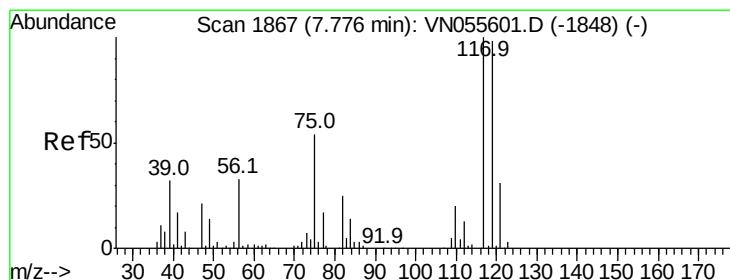
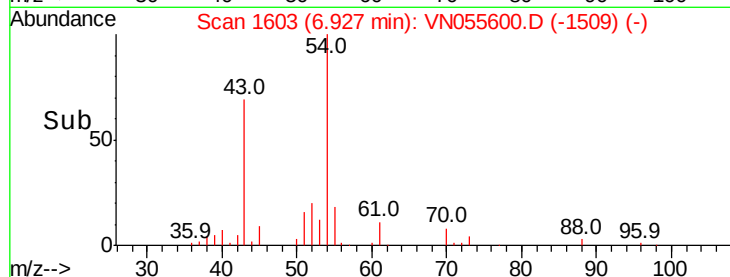
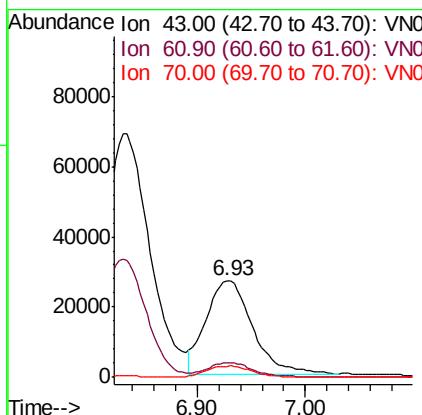
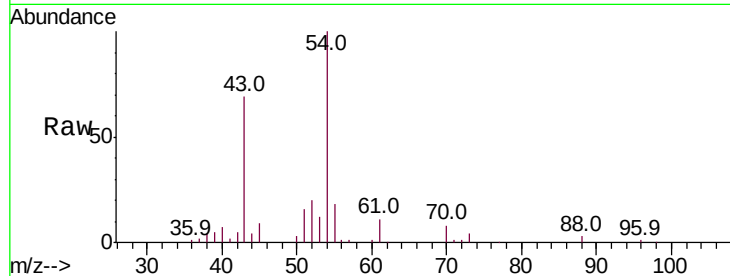
#37
Ethyl Acetate
Concen: 29.696 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.4	17.0
70	11.7	9.2	13.8

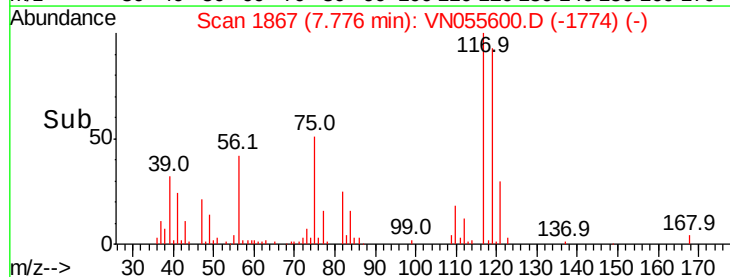
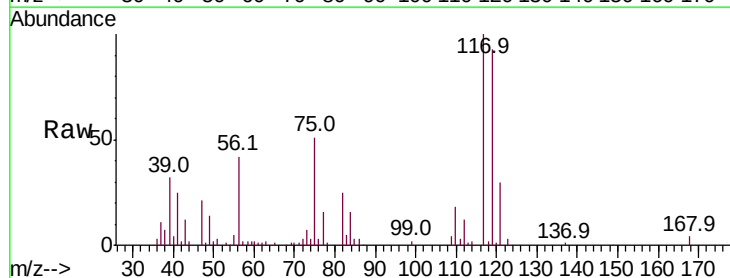
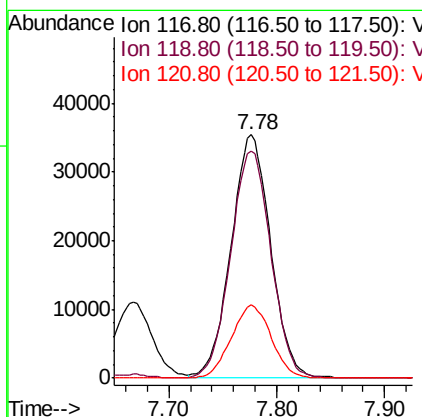
Manual Integrations
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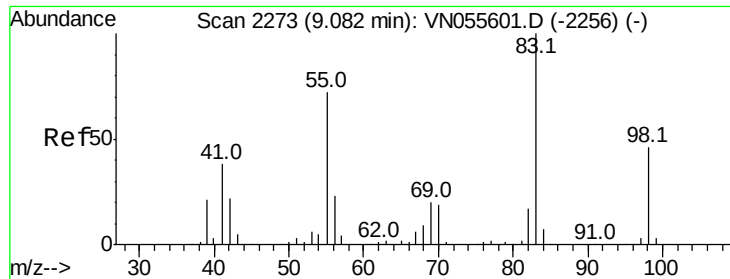
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.992 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.8
121	29.9	24.6	37.0





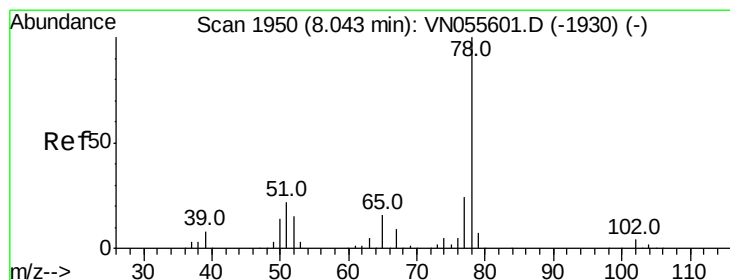
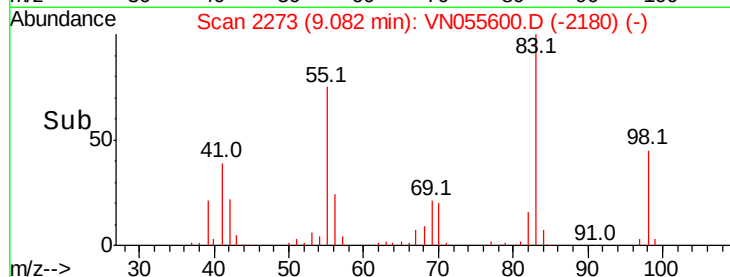
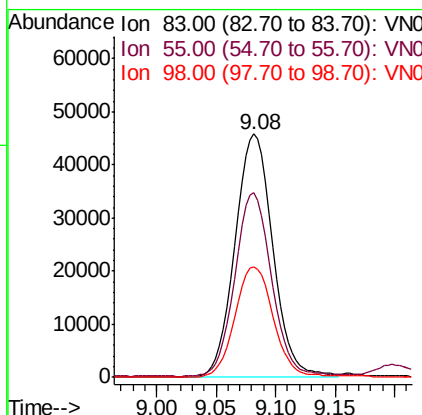
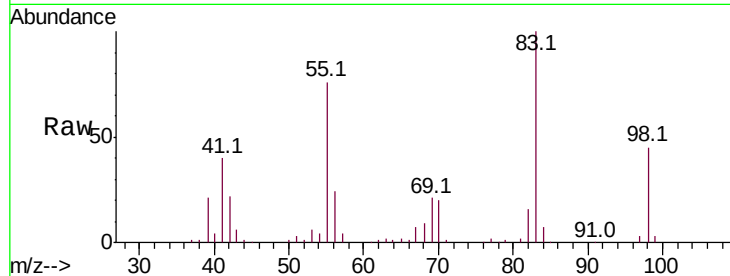
#39
Methvlcvclohexane
Concen: 19.966 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	101568
Ion Ratio	100	Lower	Upper
83	100		
55	75.3	57.8	86.6
98	45.2	36.7	55.1

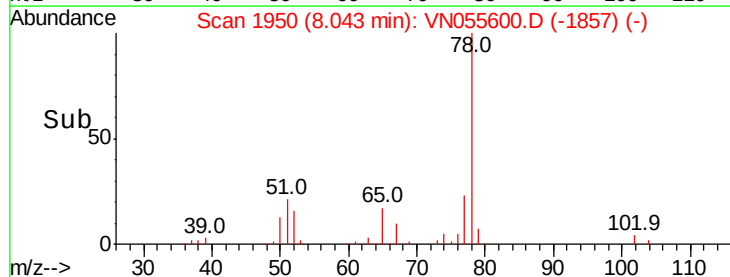
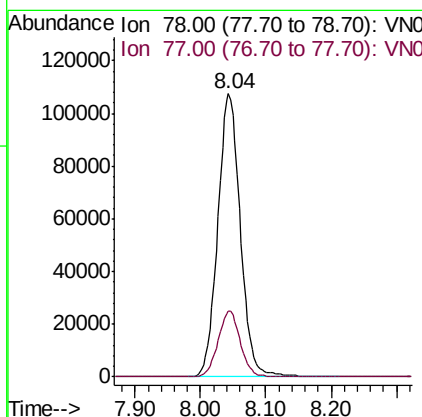
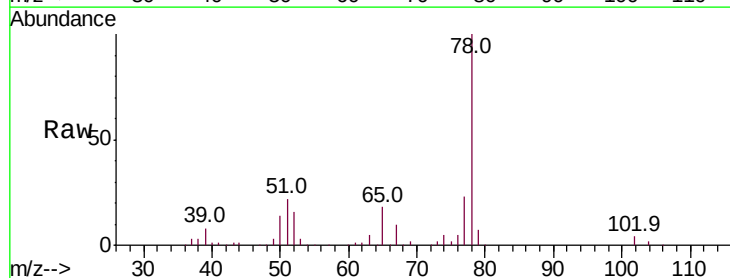
Manual Integrations
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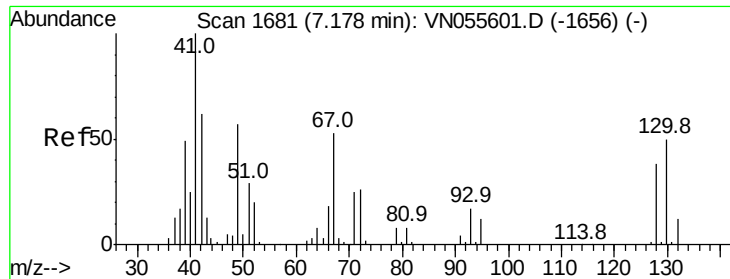
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#40
Benzene
Concen: 19.755 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	78	Resp	257571
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.9	28.3





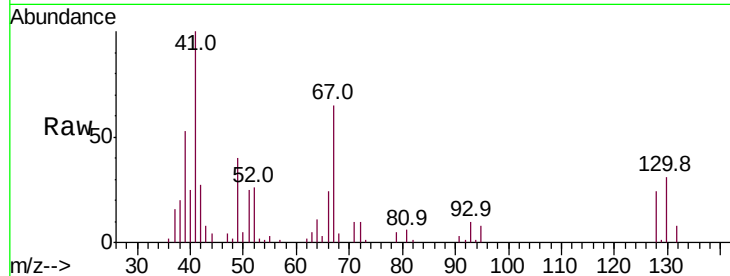
#41
Methacrylonitrile
Concen: 20.260 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

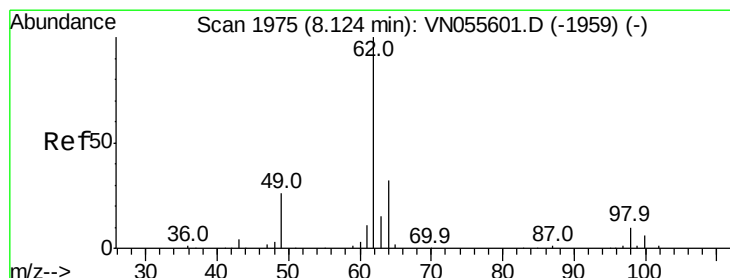
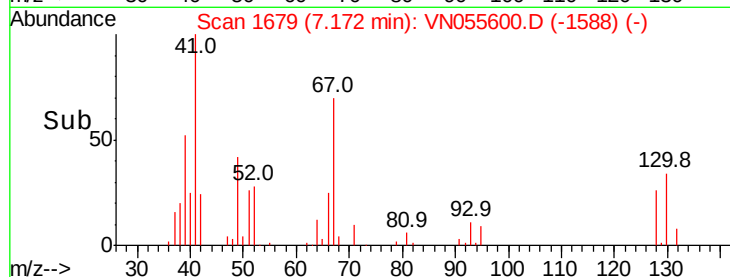
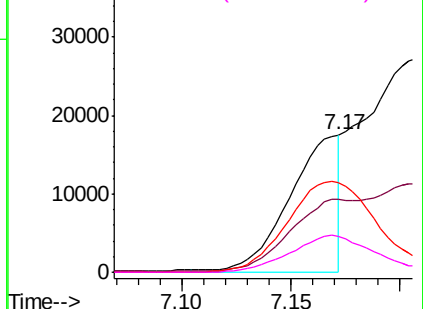
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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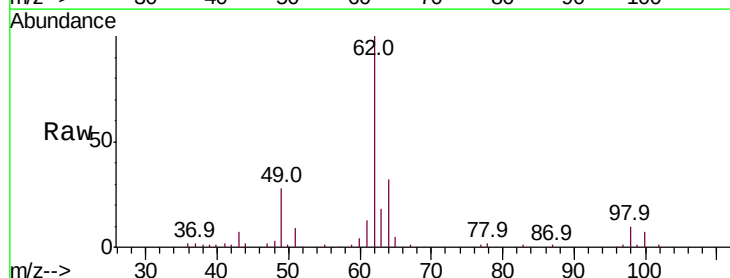


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

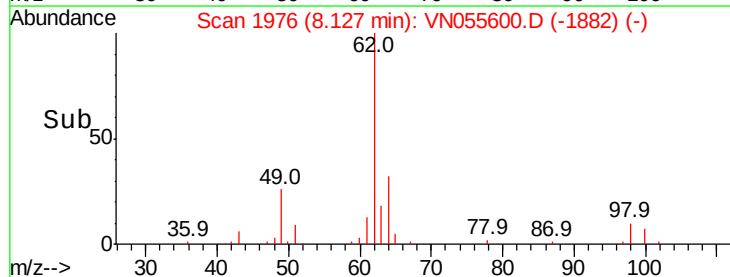
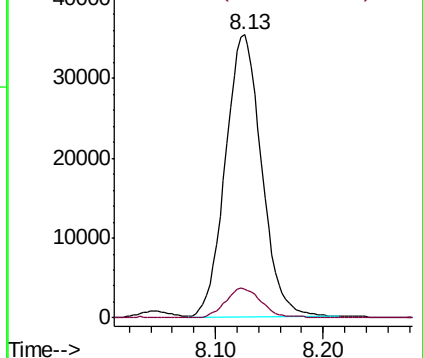


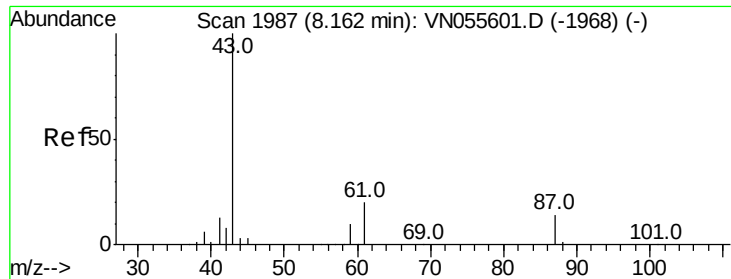
#42
1,2-Dichloroethane
Concen: 20.804 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 25.838 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

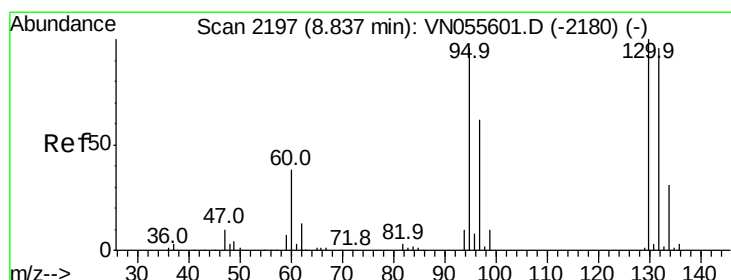
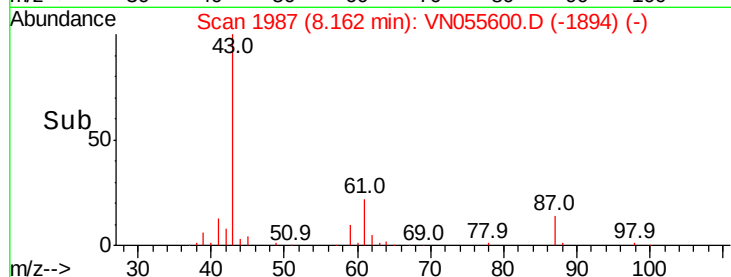
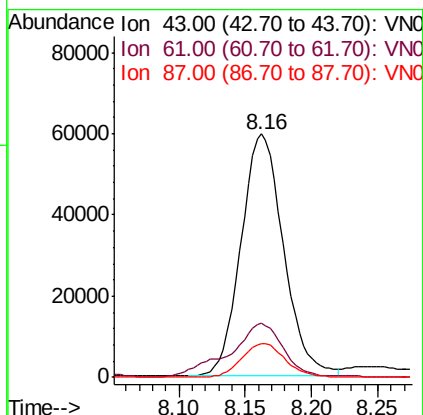
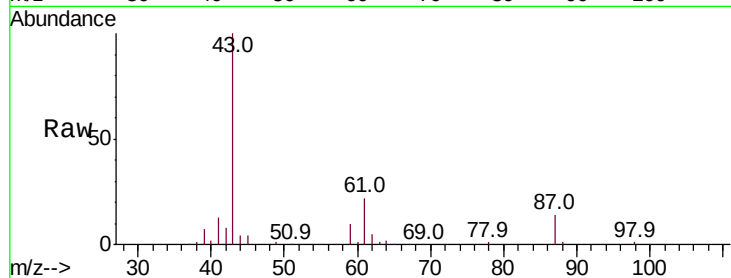
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	132648
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.1	33.1
87	14.5	11.8	17.6

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#44

Trichloroethene

Concen: 19.637 ug/l

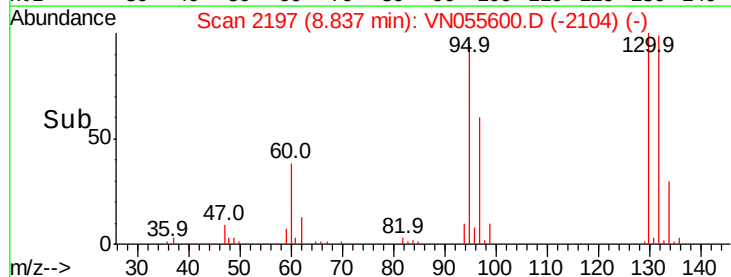
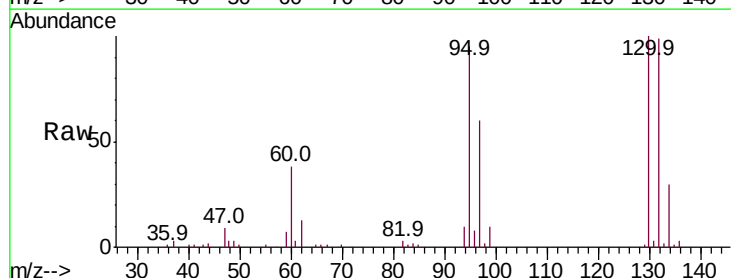
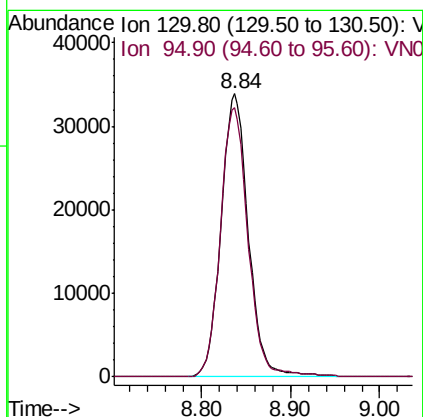
RT: 8.84 min Scan# 2197

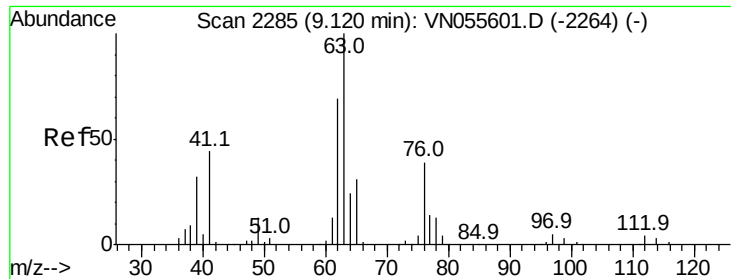
Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	130	Resp:	71767
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	191.0





#45

1,2-Dichloropropane

Concen: 20.409 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 68327

Ion Ratio Lower Upper

63 100

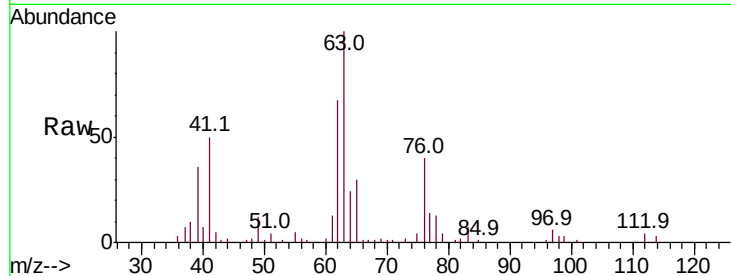
65 29.9 25.2 37.8

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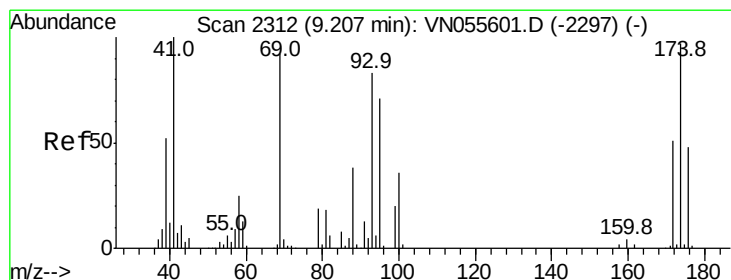
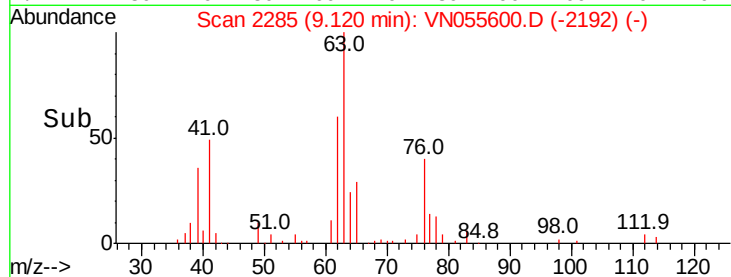
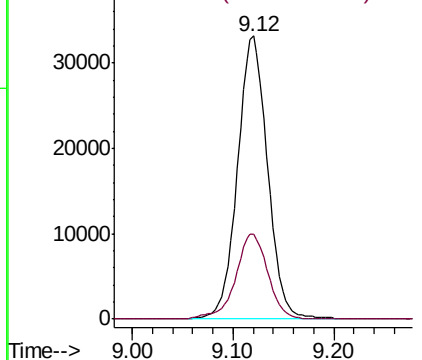
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.526 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

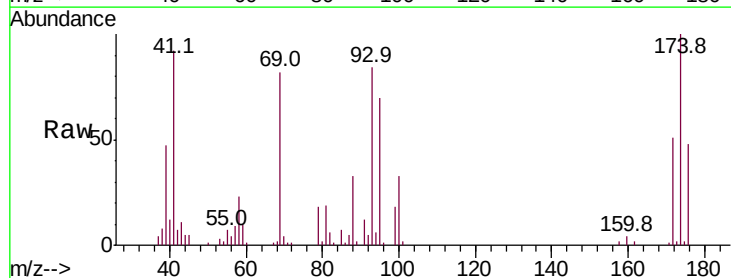
Tgt Ion: 93 Resp: 44008

Ion Ratio Lower Upper

93 100

95 84.4 67.9 101.9

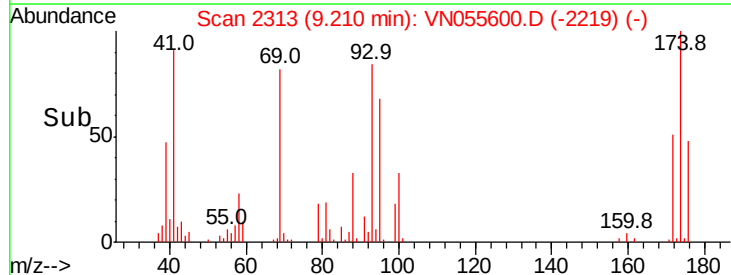
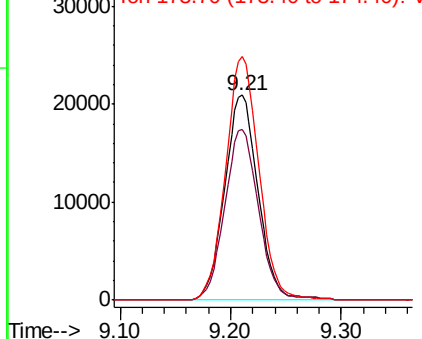
174 117.9 93.8 140.6

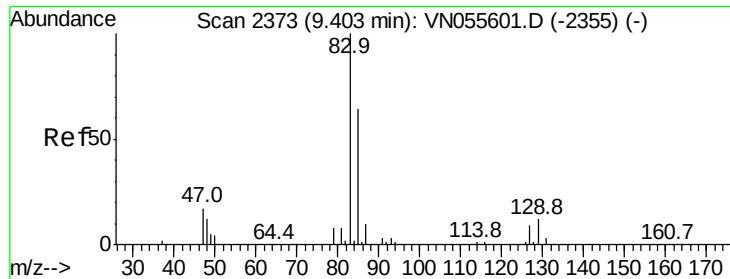


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.070 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

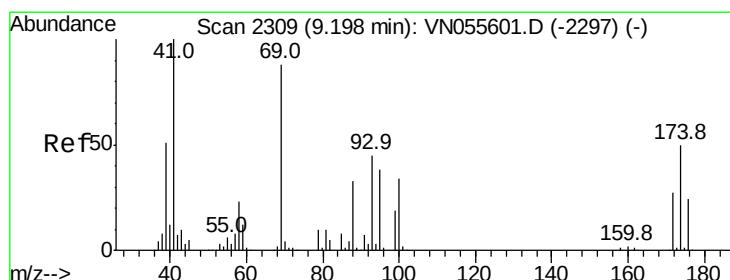
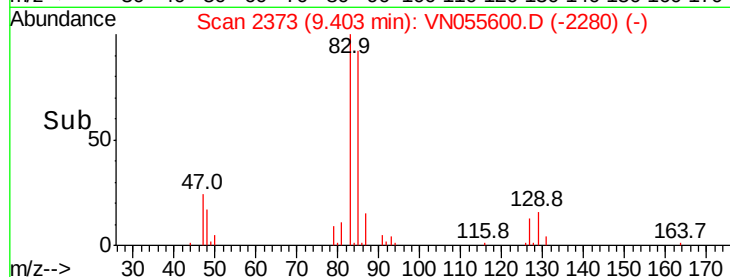
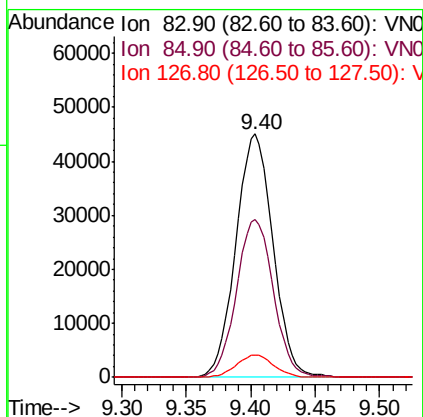
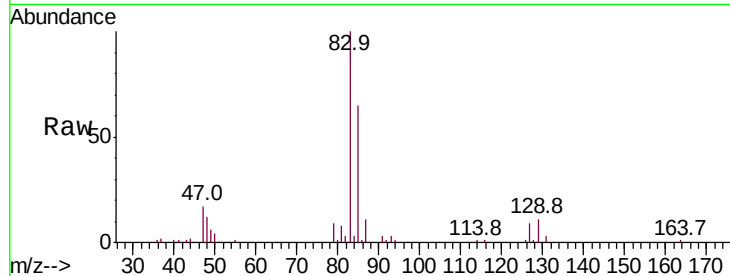
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	90406
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.4	77.0
127	9.2	7.1	10.7

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#48

Methyl methacrylate

Concen: 27.705 ug/l

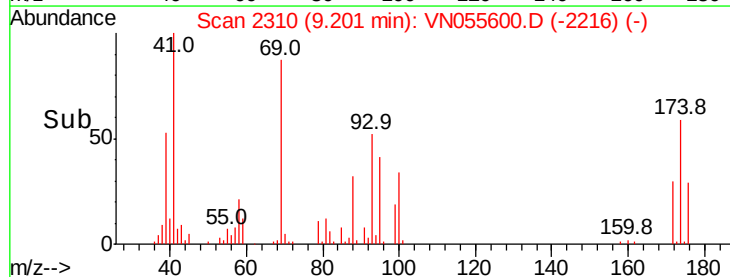
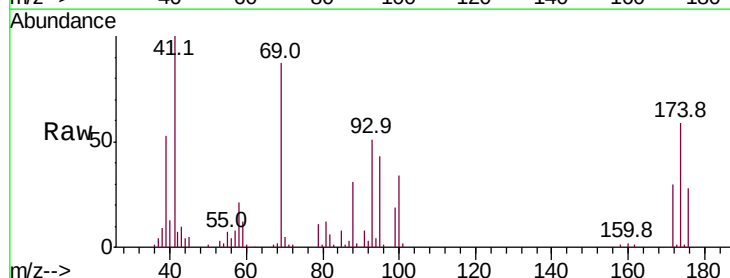
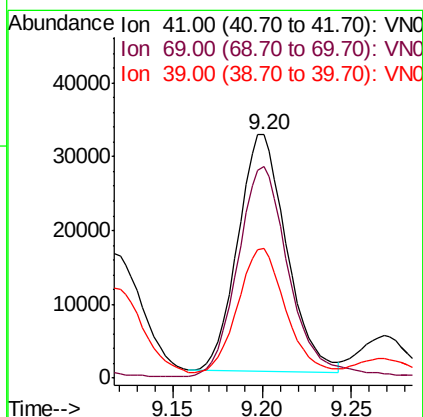
RT: 9.20 min Scan# 2310

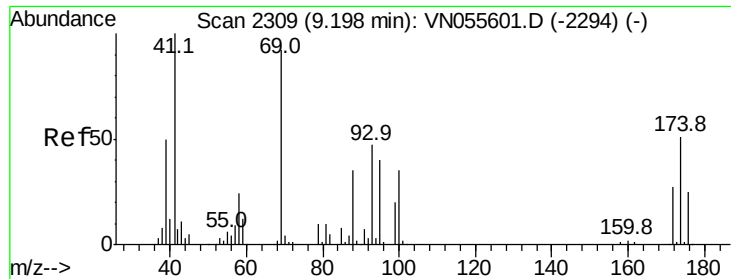
Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	41	Resp:	61230
Ion Ratio	Lower	Upper	
41	100		
69	94.1	74.2	111.2
39	55.9	43.8	65.8





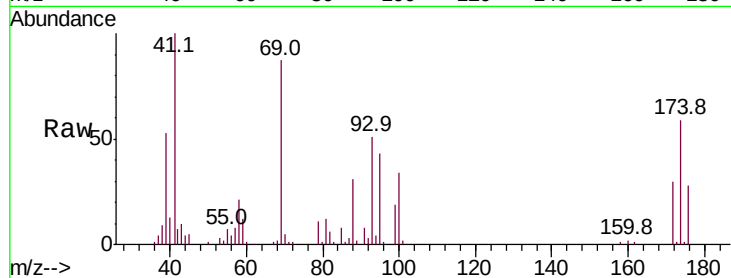
#49
1,4-Dioxane
Concen: 688.411 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

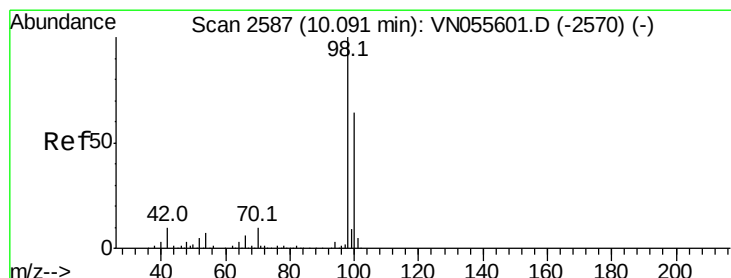
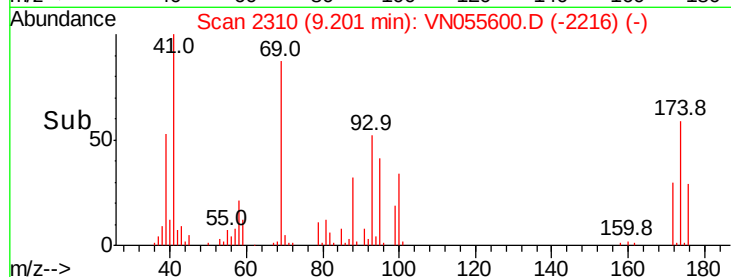
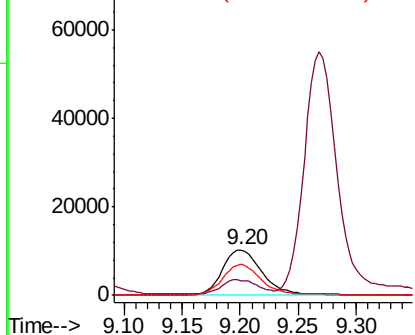
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	22.4	33.6
58	65.9	53.4	80.2

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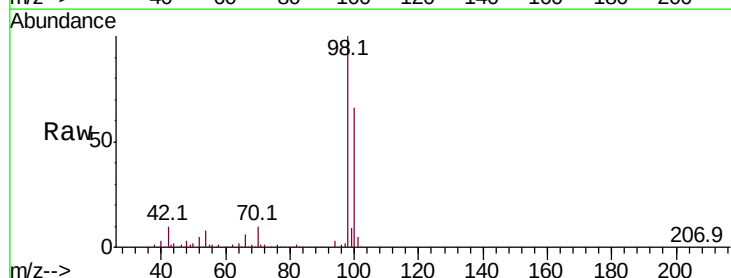


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

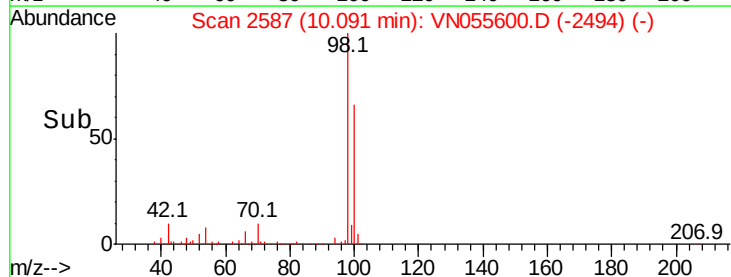
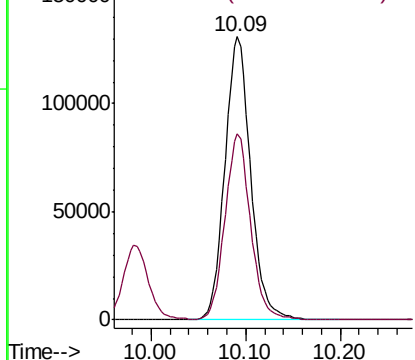


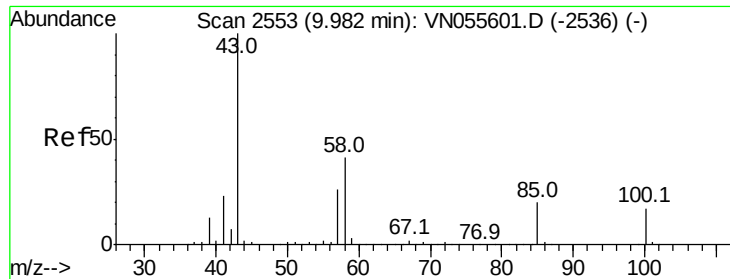
#50
Toluene-d8
Concen: 21.721 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 161.370 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 394944

Ion Ratio Lower Upper

43 100

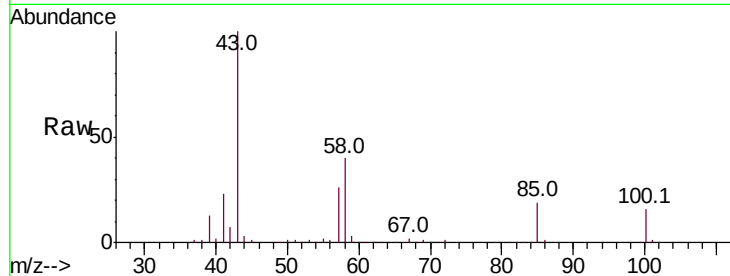
58 40.7 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

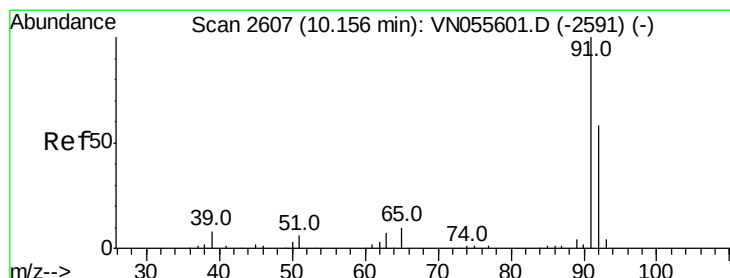
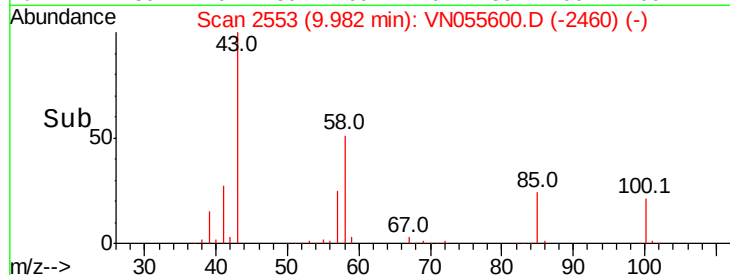
100000

50000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 20.288 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055600.D

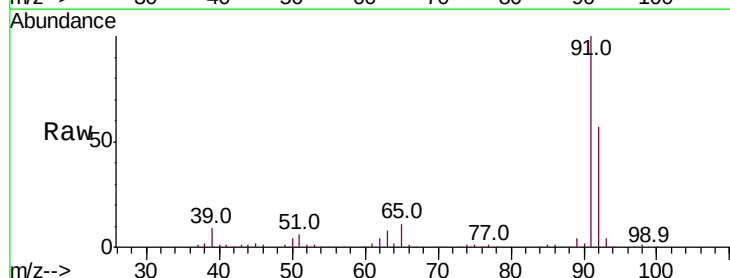
Acq: 17 May 2019 10:16

Tgt Ion: 92 Resp: 156361

Ion Ratio Lower Upper

92 100

91 175.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

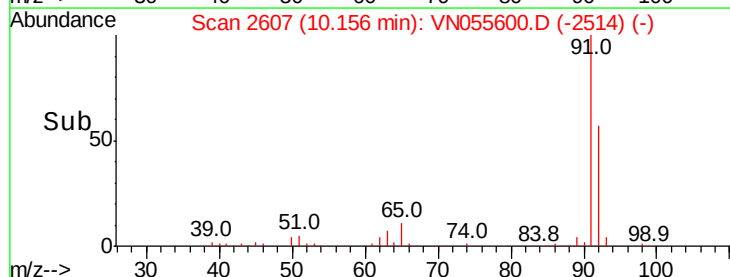
100000

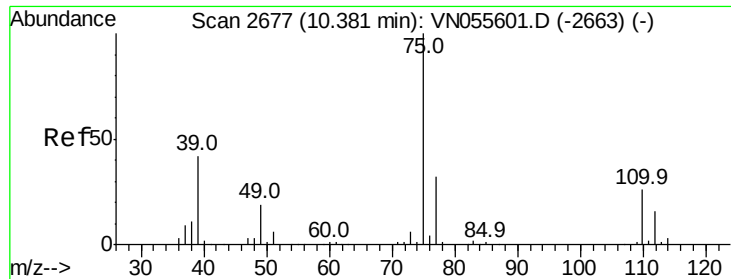
50000

0

10.10 10.16 10.20

Time-->





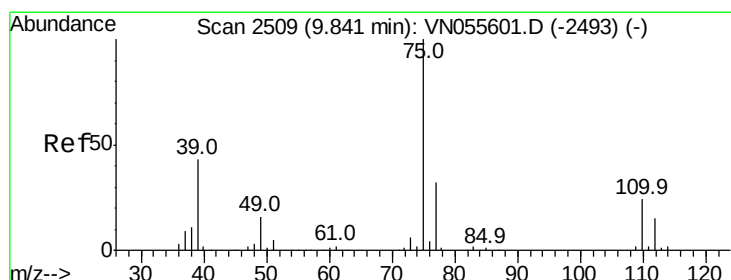
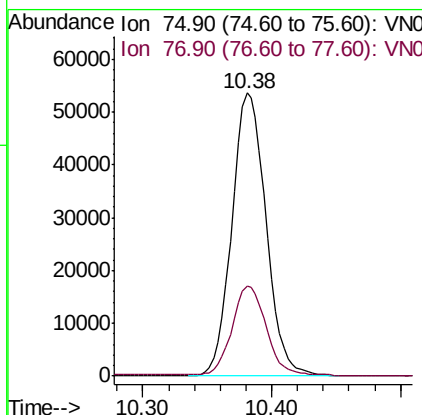
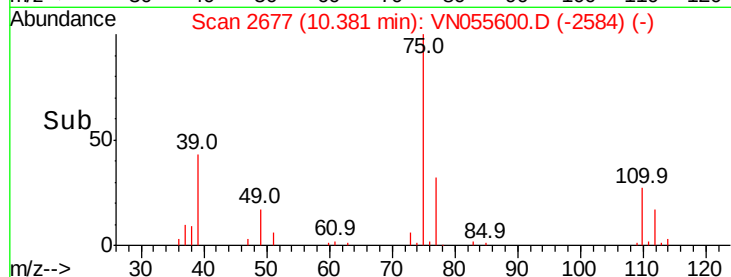
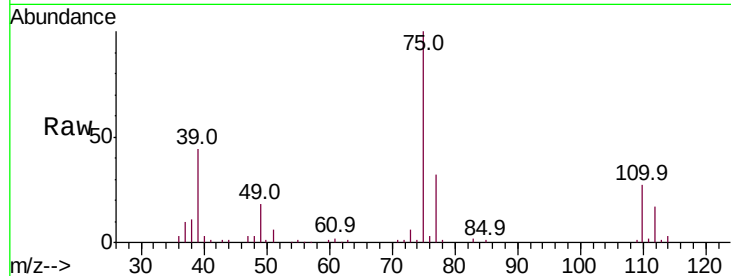
#53
t-1,3-Dichloropropene
Concen: 23.257 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

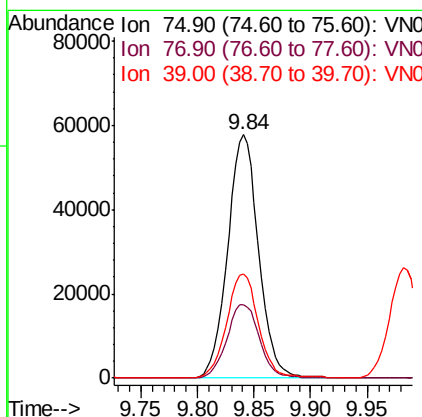
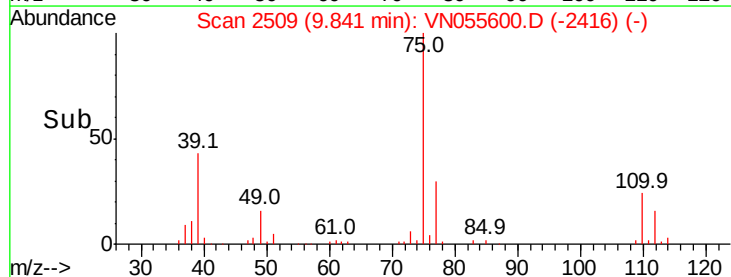
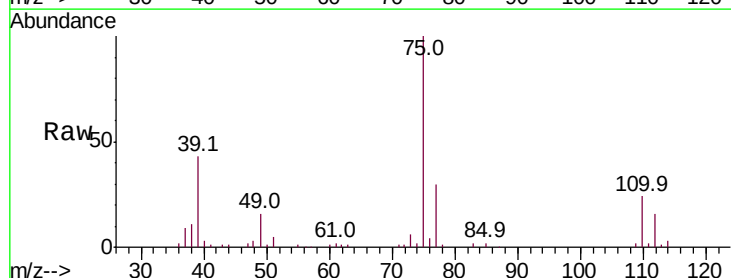
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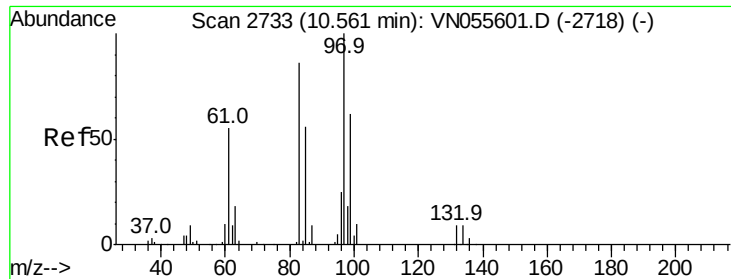
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#54
cis-1,3-Dichloropropene
Concen: 22.500 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	43.0	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 22.545 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 64880

Ion Ratio Lower Upper

97 100

83 85.6 68.4 102.6

85 54.4 44.8 67.2

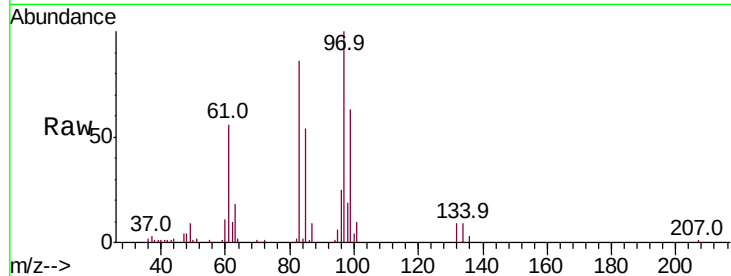
99 62.5 49.9 74.9

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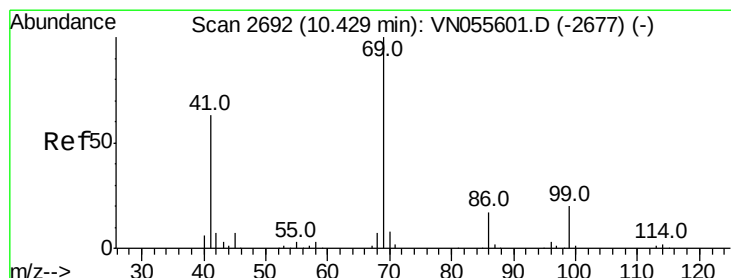
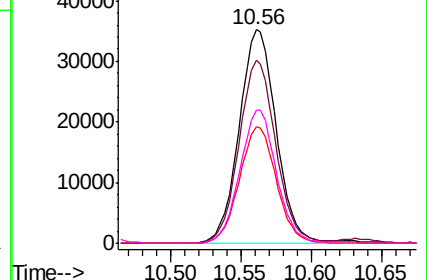
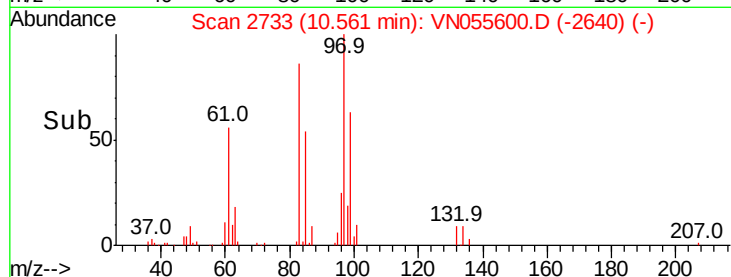


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 28.966 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

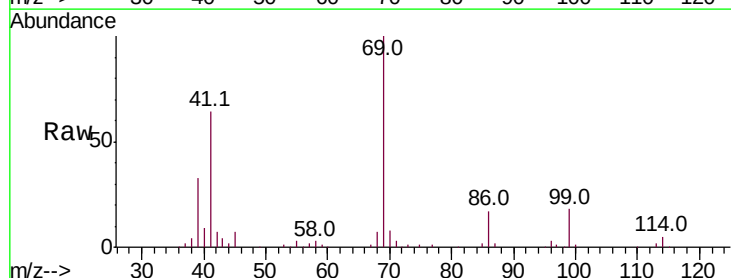
Tgt Ion: 69 Resp: 99674

Ion Ratio Lower Upper

69 100

41 62.5 50.3 75.5

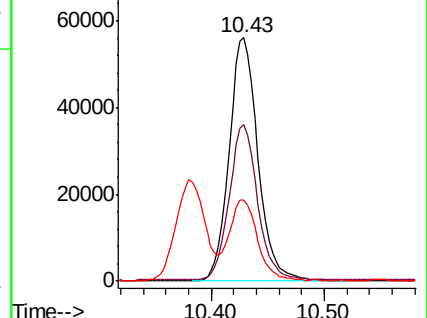
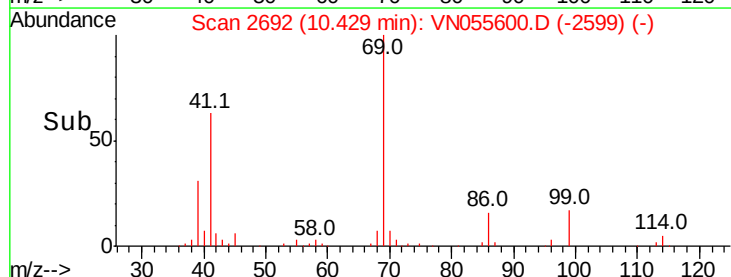
39 32.4 25.4 38.2

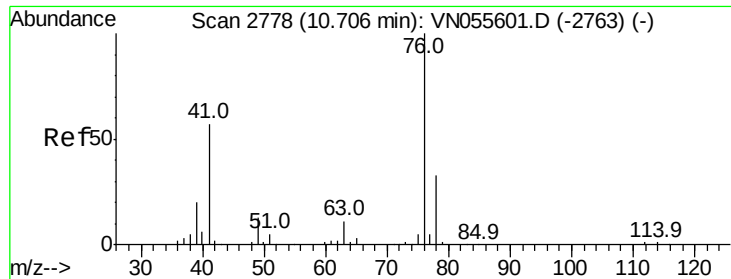


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.010 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 104913

Ion Ratio Lower Upper

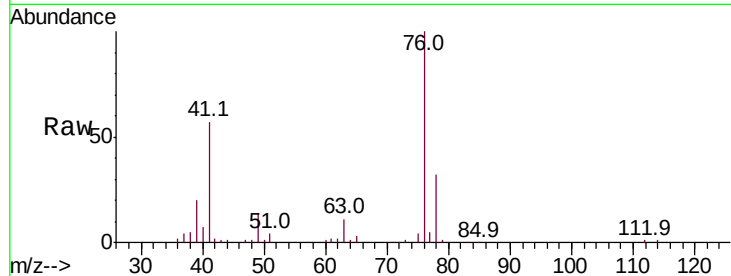
76 100

78 32.6 26.5 39.7

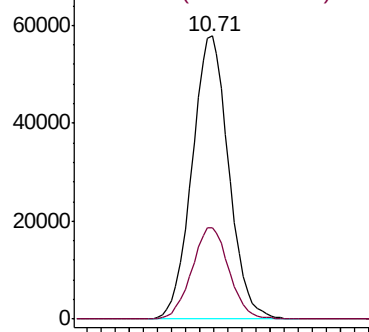
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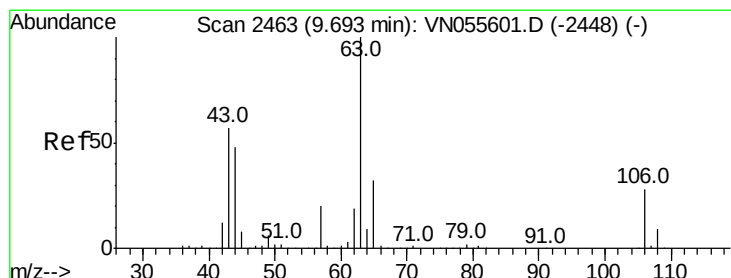
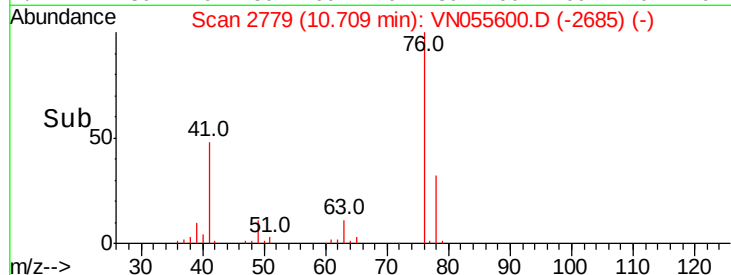
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 143.234 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055600.D

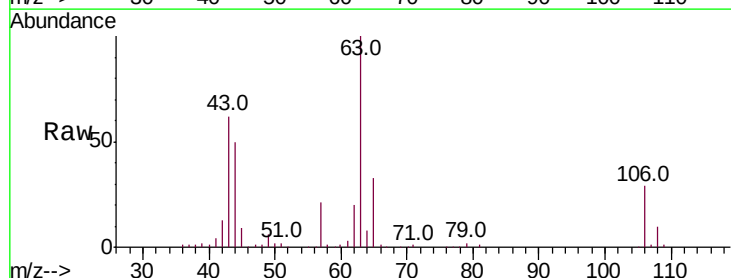
Acq: 17 May 2019 10:16

Tgt Ion: 63 Resp: 217051

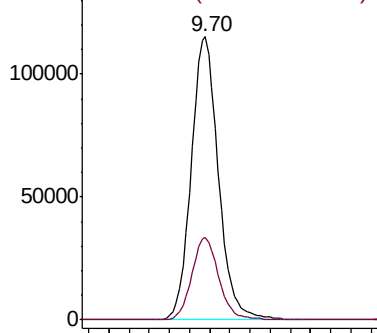
Ion Ratio Lower Upper

63 100

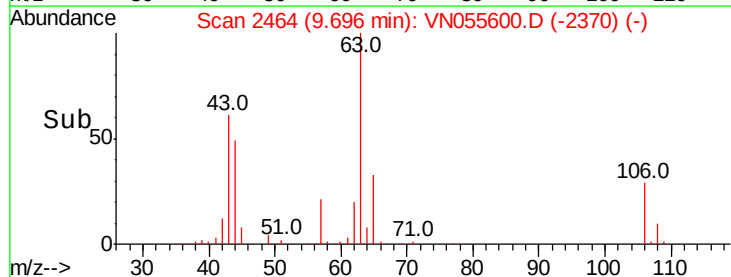
106 28.9 23.0 34.6

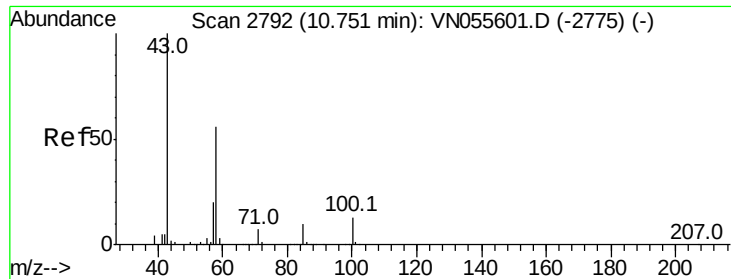


Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 105.90 (105.60 to 106.60): V



Time-->





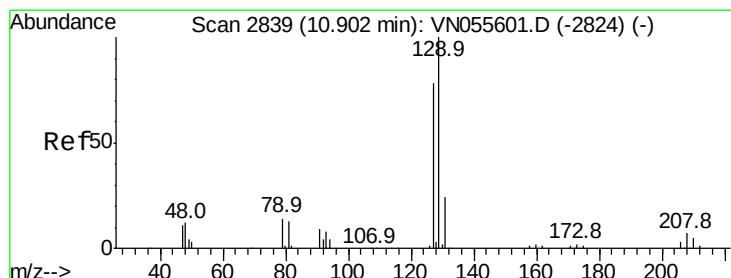
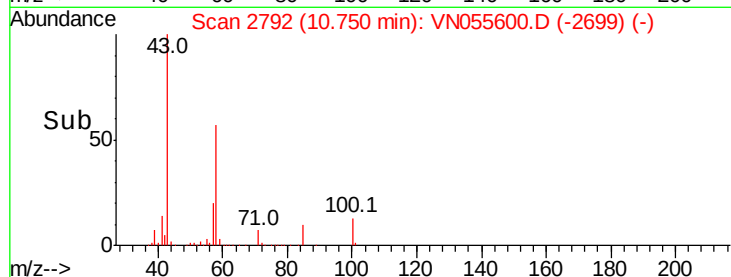
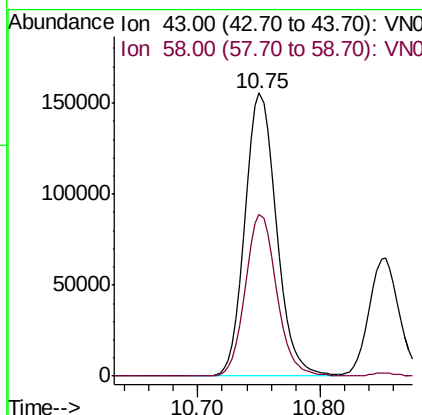
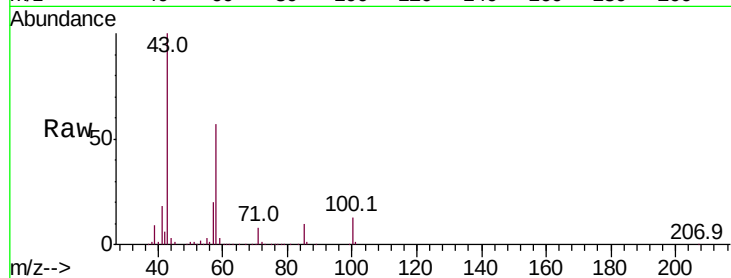
#59
2-Hexanone
Concen: 163.530 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 275063
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.4

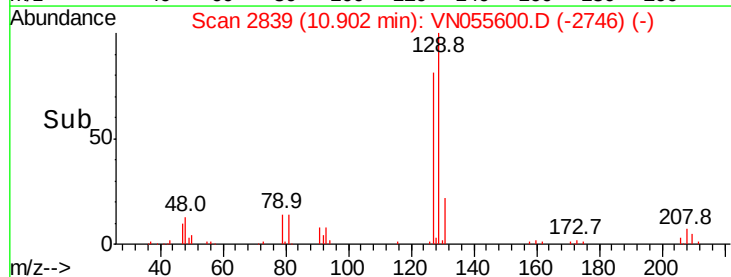
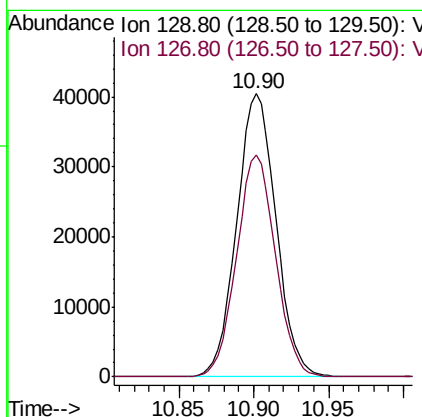
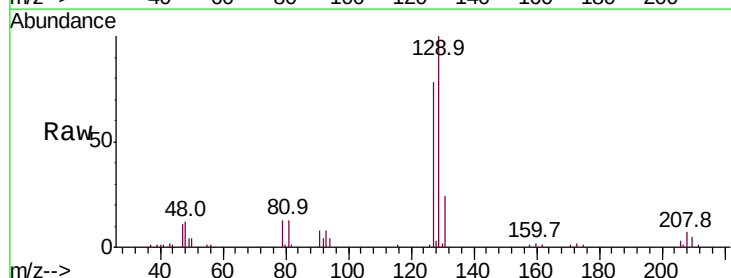
Manual Integrations
APPROVED

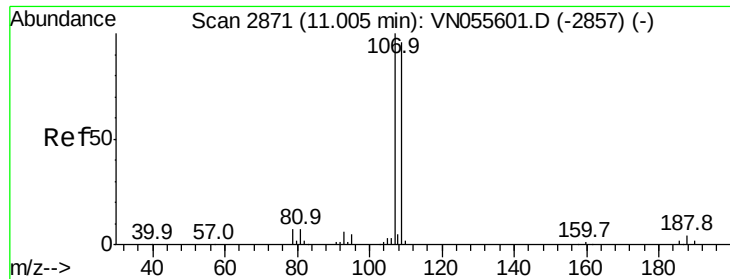
MMDadoda
5/20/2019 9:09:57 AM



#60
Dibromochloromethane
Concen: 22.194 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 129 Resp: 74021
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.938 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 65747

Ion Ratio Lower Upper

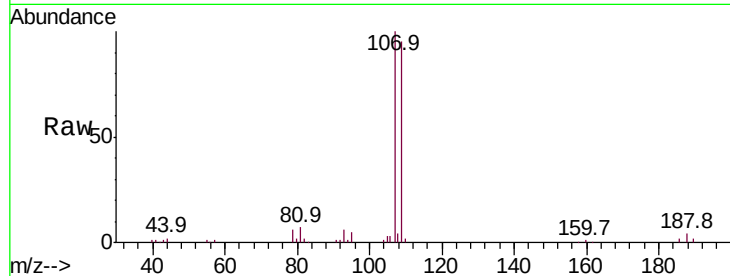
107 100

109 94.9 75.6 113.4

Manual Integrations
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5/20/2019 9:09:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

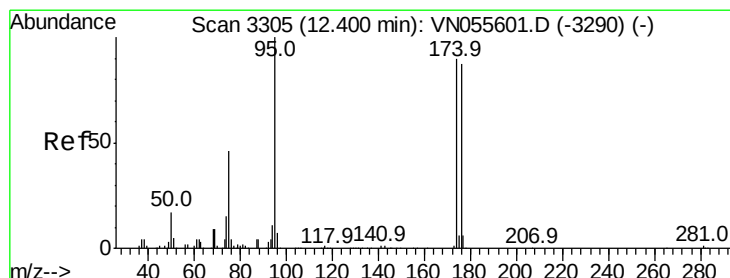
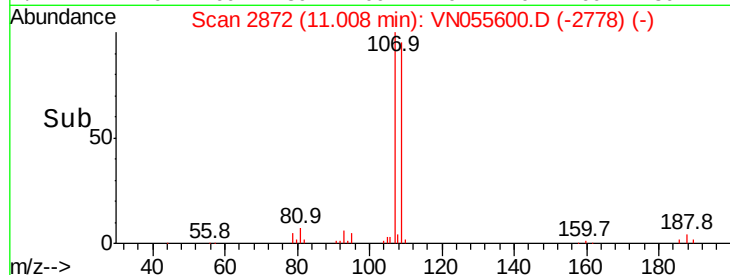
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.065 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

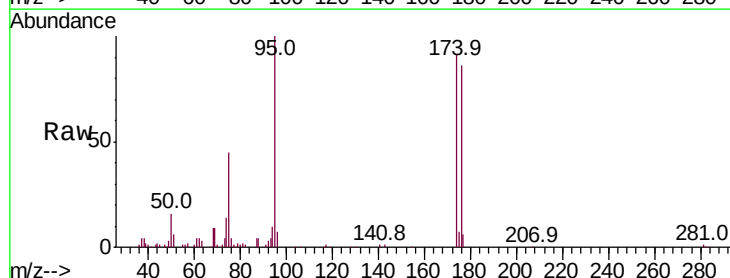
Tgt Ion: 95 Resp: 83444

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.6

176 87.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

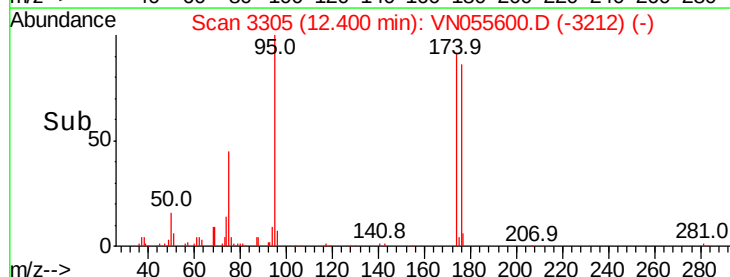
60000

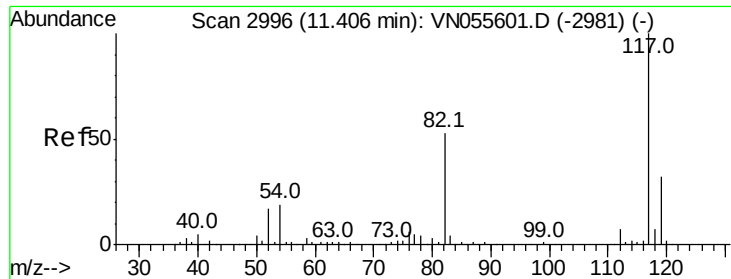
40000

20000

0

Time-->





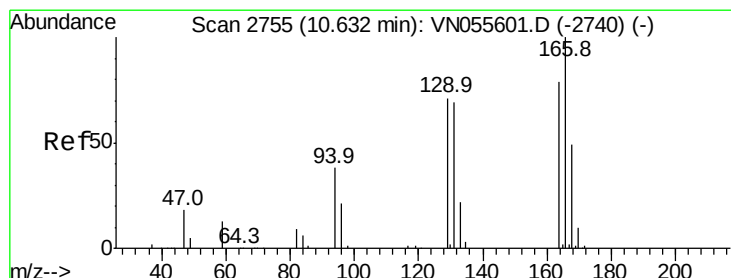
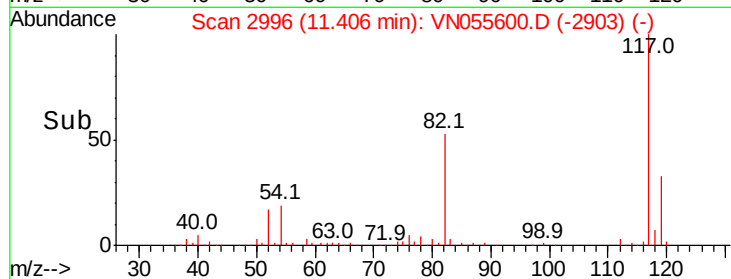
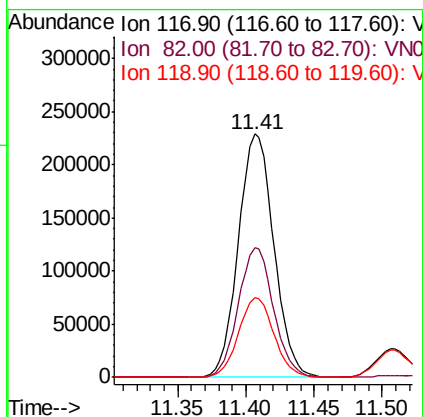
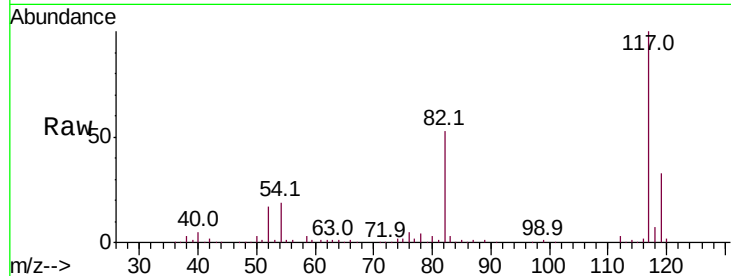
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.3	63.5
119	32.8	25.4	38.2

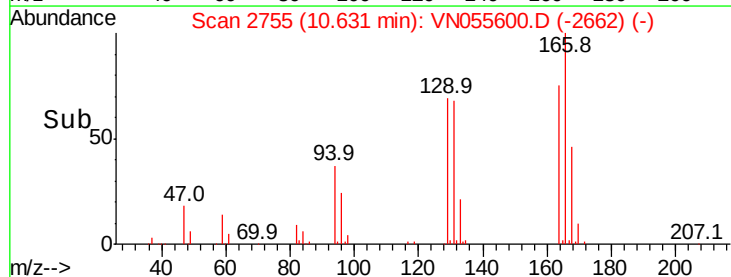
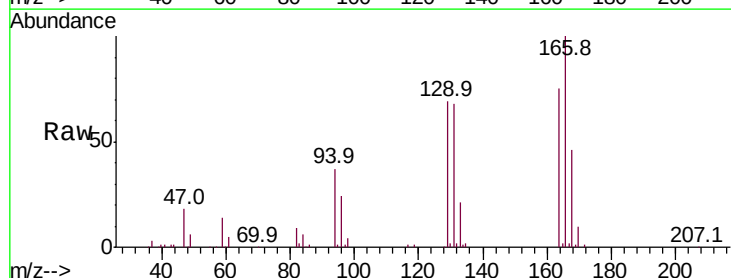
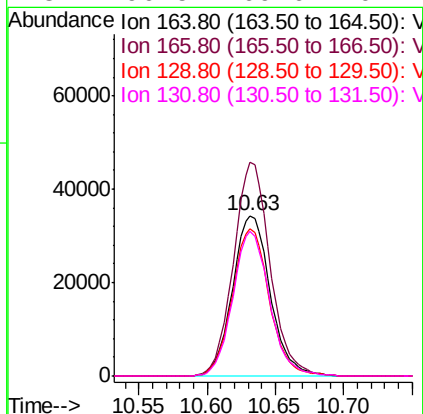
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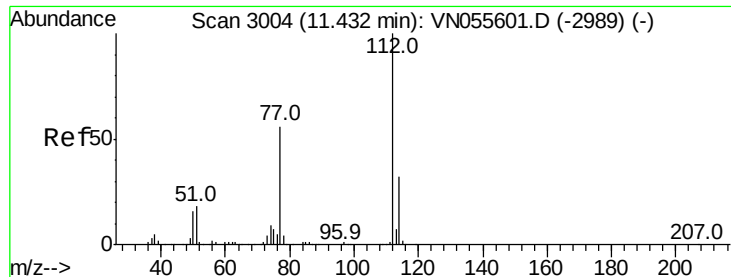
MMDadoda
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#64
Tetrachloroethene
Concen: 18.073 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	101.0	151.6
129	91.9	71.7	107.5
131	90.5	69.6	104.4





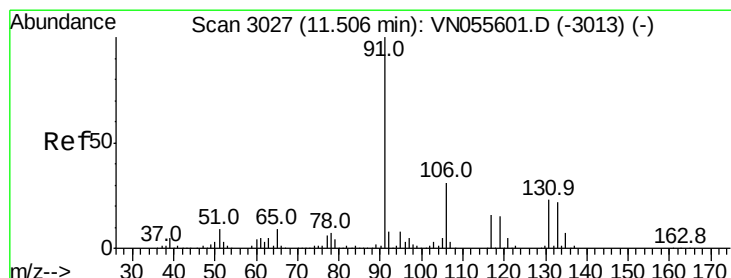
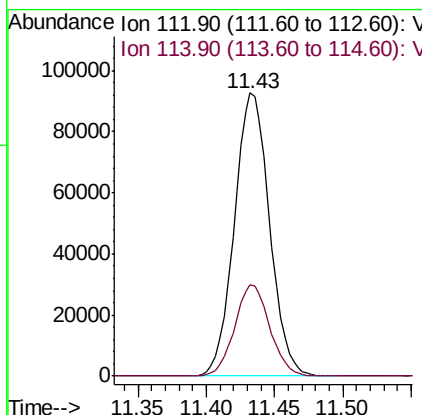
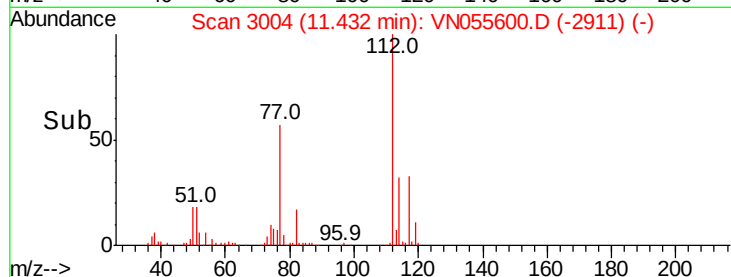
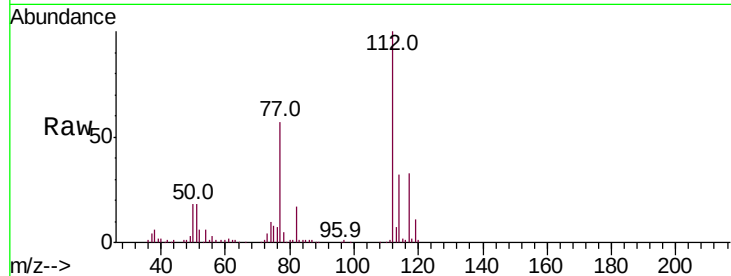
#65
Chlorobenzene
Concen: 19.153 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

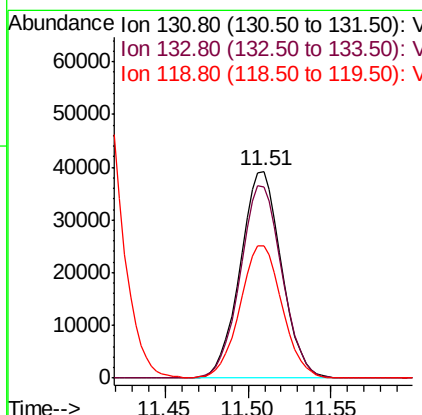
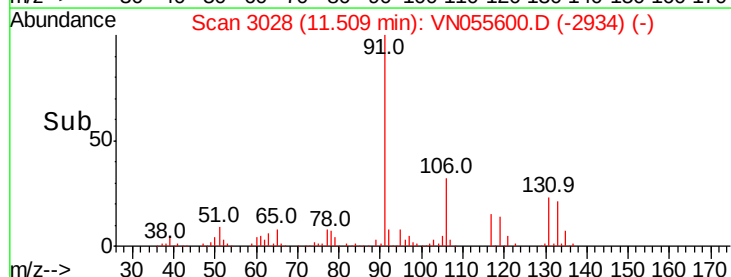
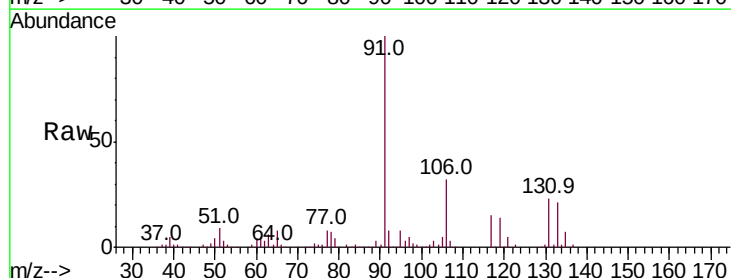
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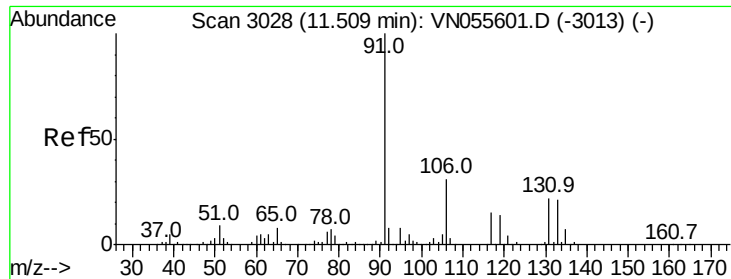
MMDadoda
5/20/2019 9:09:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.303 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.8	143.4
119	65.7	33.3	99.8





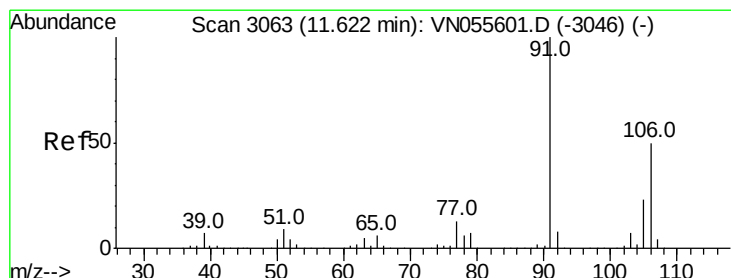
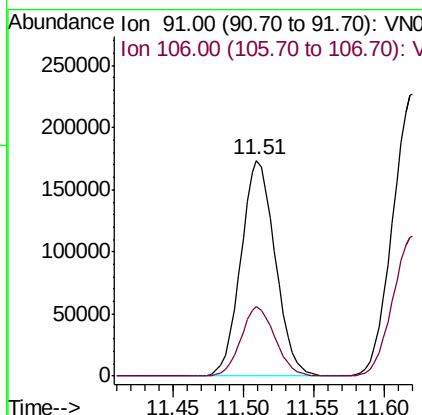
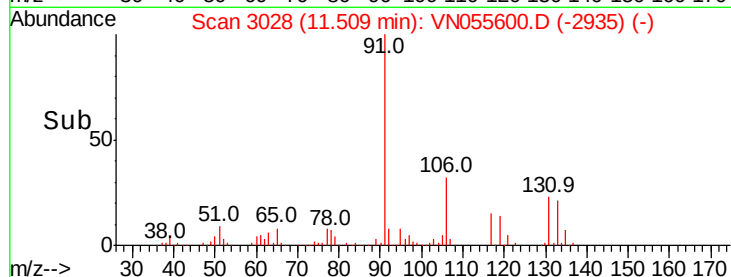
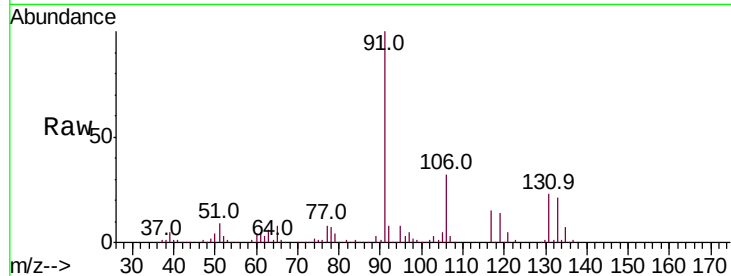
#67
Ethyl Benzene
Concen: 20.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 295927
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8

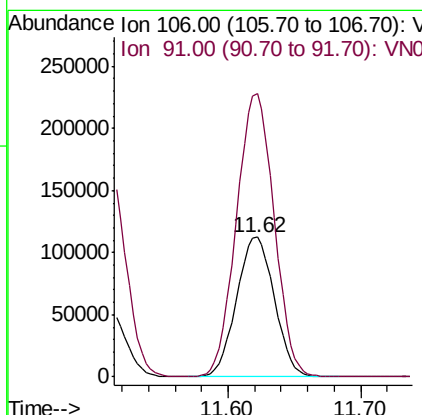
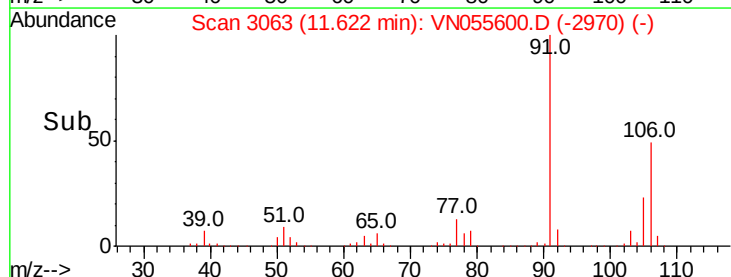
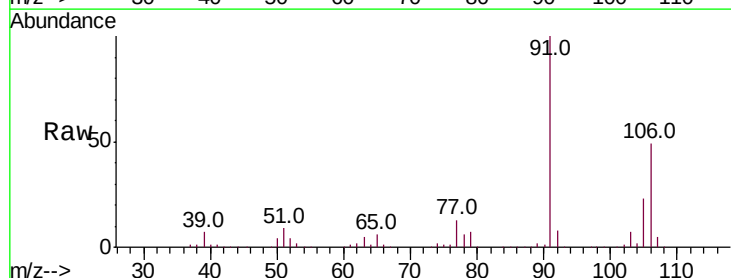
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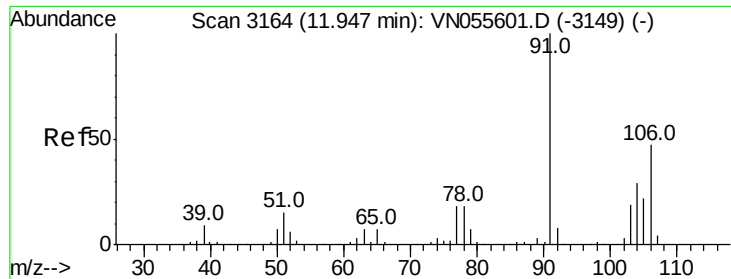
MMDadoda
5/20/2019 9:09:57 AM



#68
m/p-Xylenes
Concen: 41.134 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 106 Resp: 223114
Ion Ratio Lower Upper
106 100
91 202.1 160.5 240.7





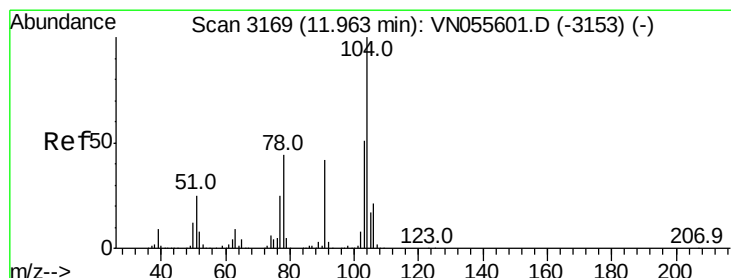
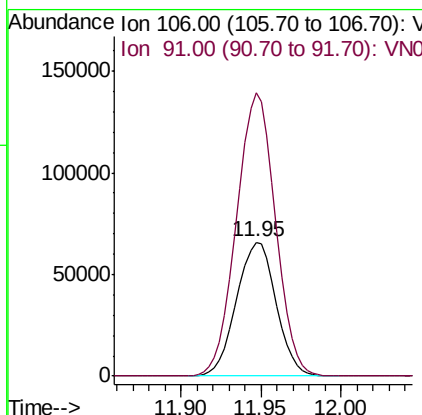
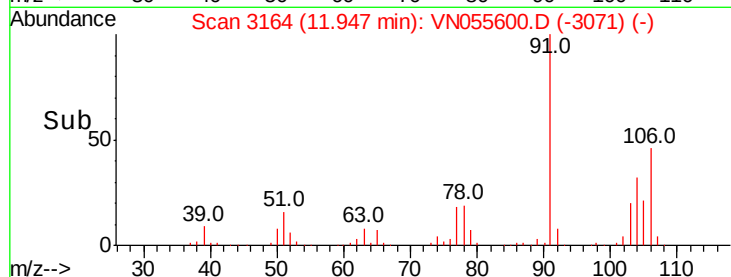
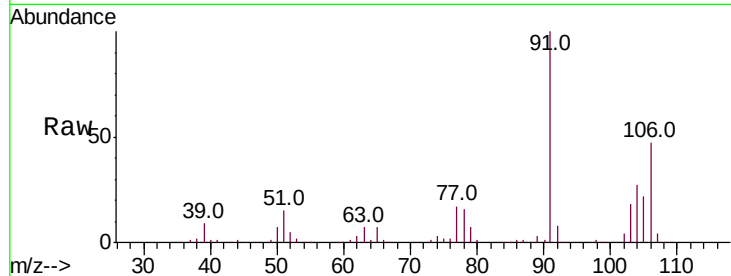
#69
o-Xylene
Concen: 21.238 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 111129
Ion Ratio Lower Upper
106 100
91 208.2 106.7 320.2

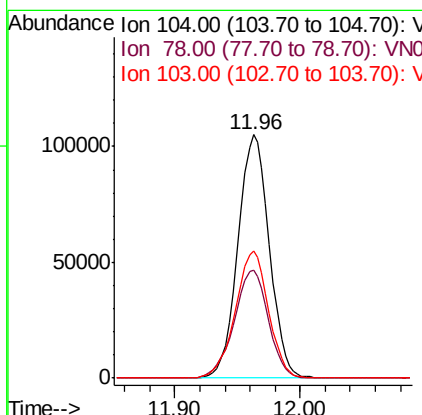
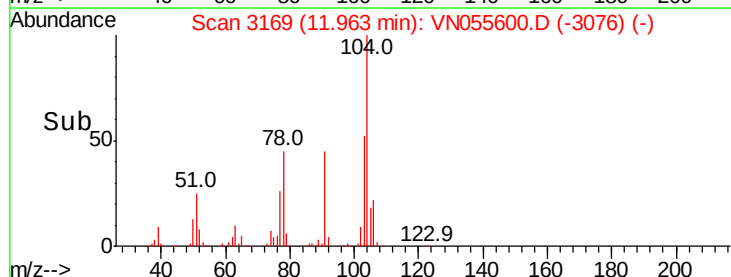
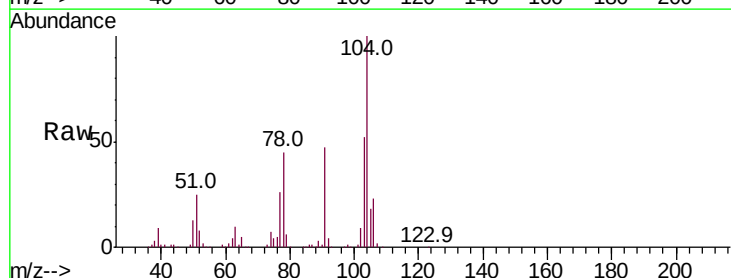
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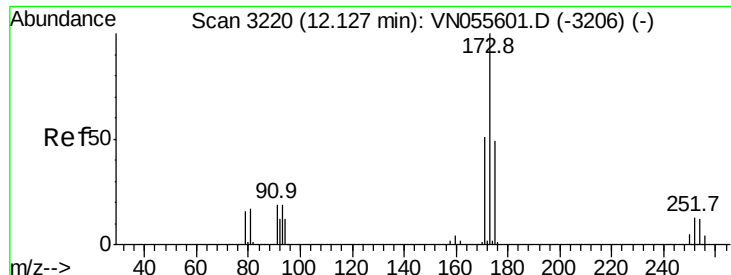
MMDadoda
5/20/2019 9:09:57 AM



#70
Styrene
Concen: 22.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion:104 Resp: 182826
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 55.0 44.4 66.6





#71

Bromoform

Concen: 24.476 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 57556

Ion Ratio Lower Upper

173 100

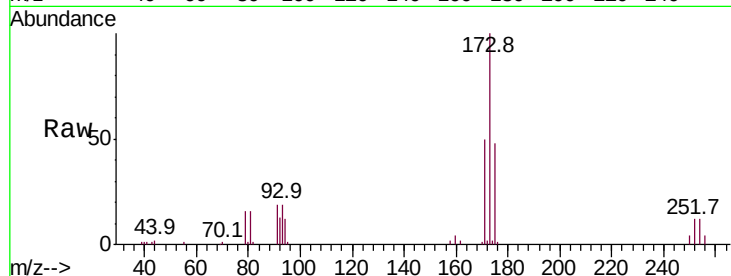
175 48.4 24.3 72.9

254 0.0 0.1 0.1#

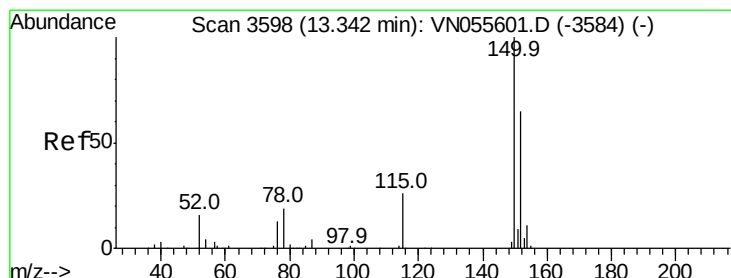
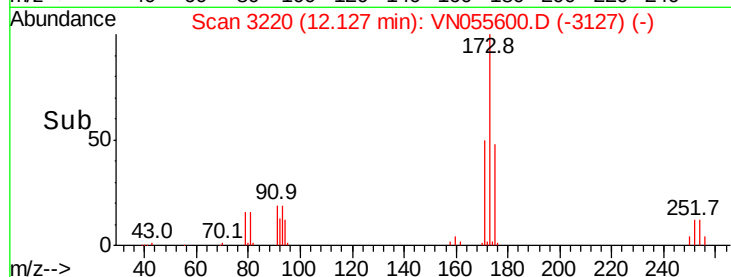
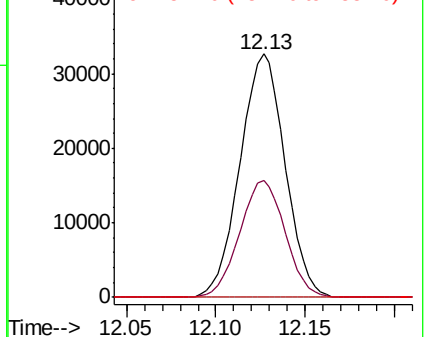
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

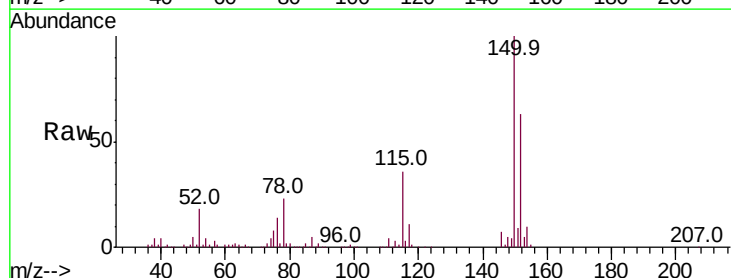
Tgt Ion:152 Resp: 182440

Ion Ratio Lower Upper

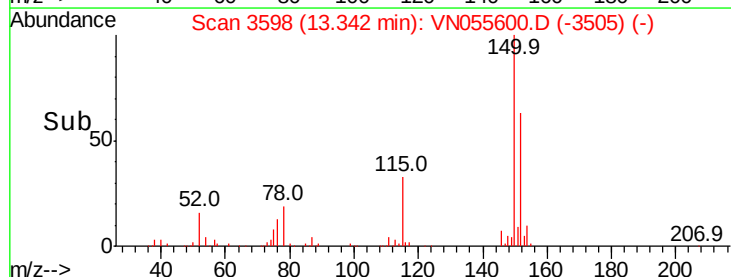
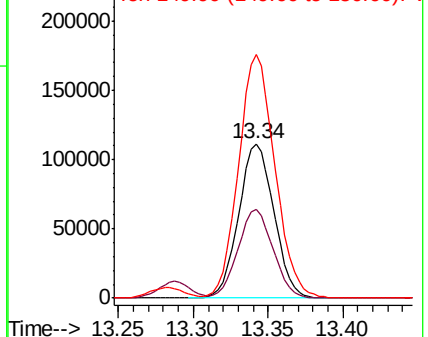
152 100

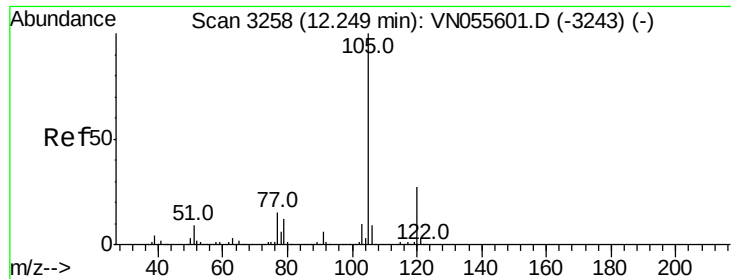
115 57.0 28.1 84.2

150 163.1 0.0 348.0



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: 22.626 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 292424

Ion Ratio Lower Upper

105 100

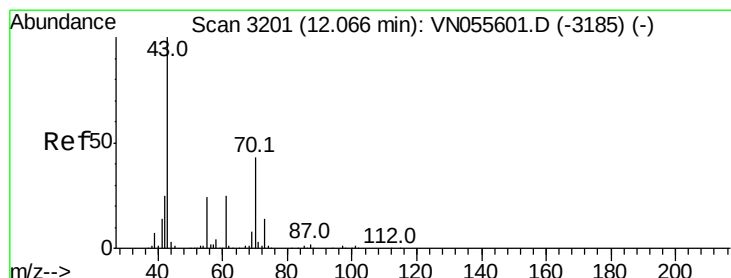
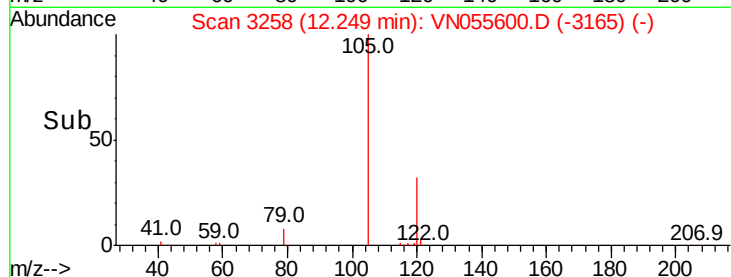
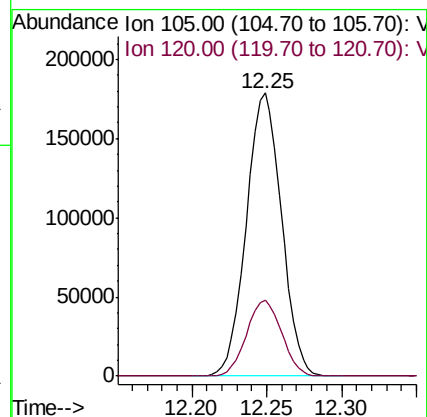
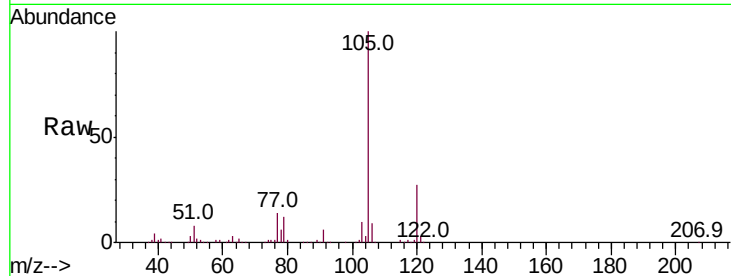
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 31.316 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion: 43 Resp: 103325

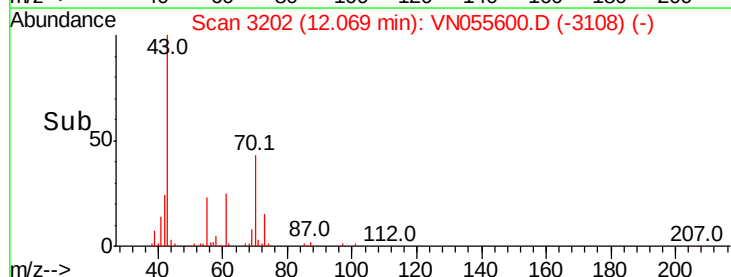
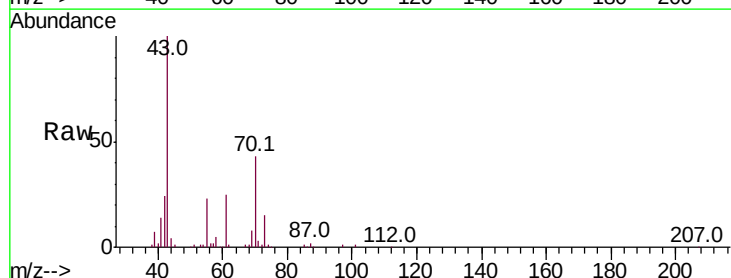
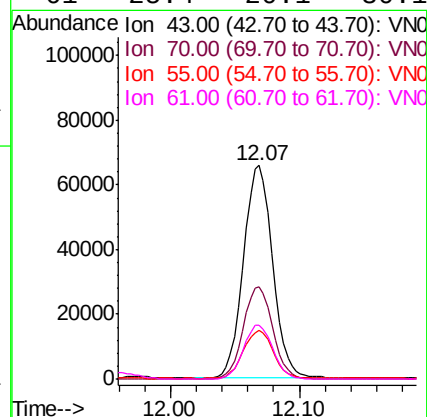
Ion Ratio Lower Upper

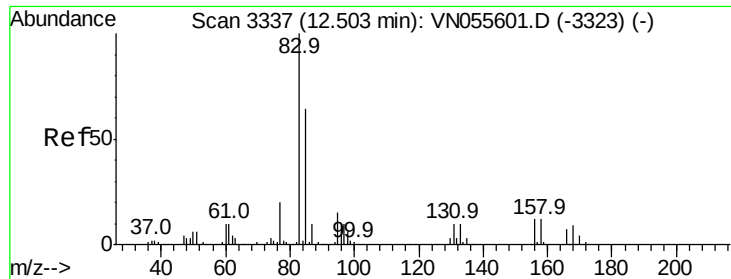
43 100

70 43.9 35.0 52.6

55 23.1 18.9 28.3

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 27.521 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

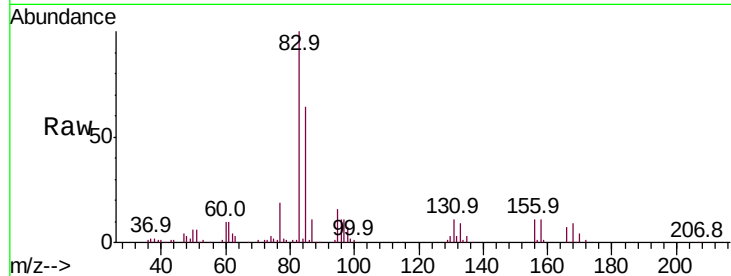
ClientSampled :

VSTDIC020

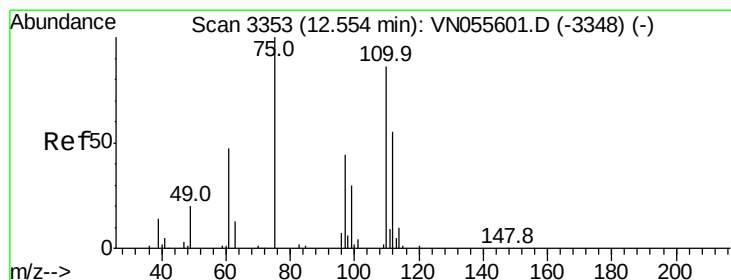
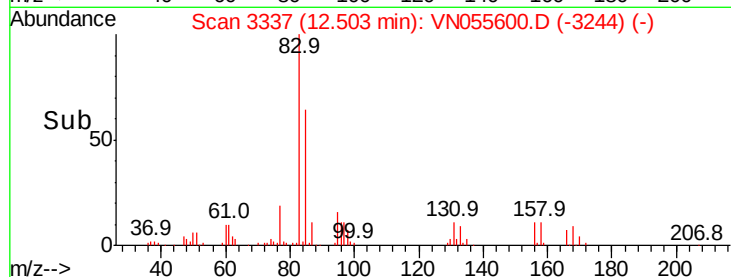
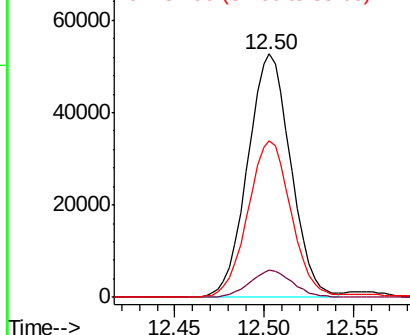
Tot Ion:	83	Resp:	88820
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	64.7	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.930 ug/l m

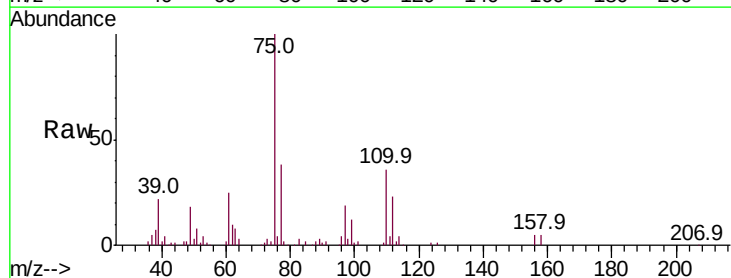
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

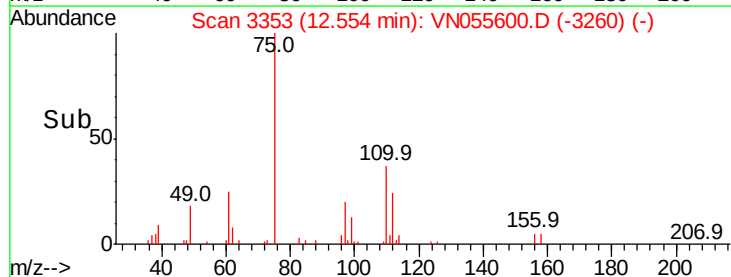
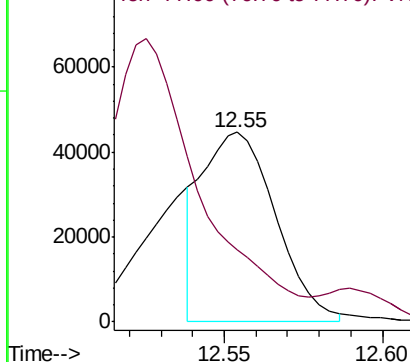
Lab File: VN055600.D

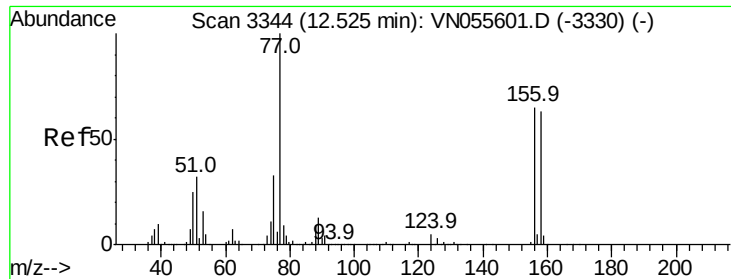
Acq: 17 May 2019 10:16

Tgt Ion:	75	Resp:	72683
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.642 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 74756

Ion Ratio Lower Upper

156 100

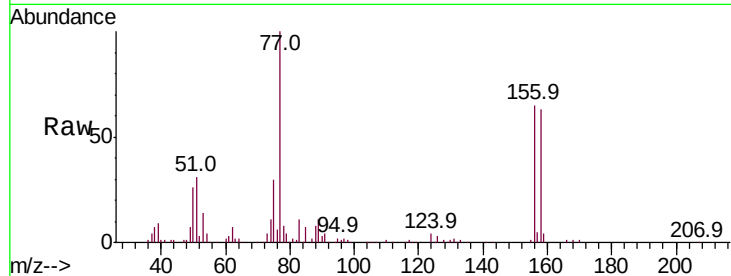
77 186.3 94.5 283.5

158 97.6 49.0 147.2

Manual Integrations
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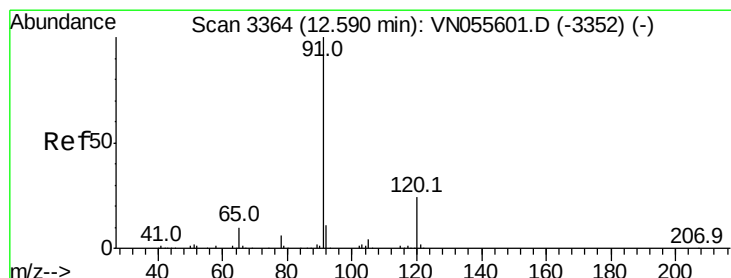
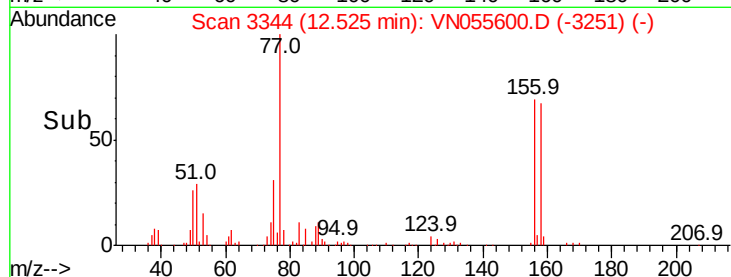
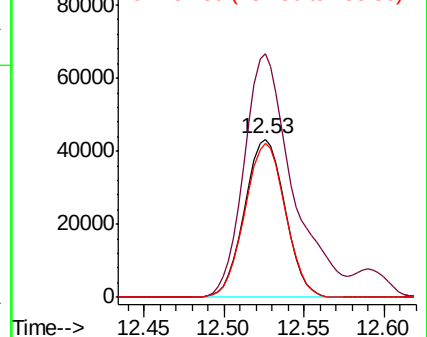
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.028 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055600.D

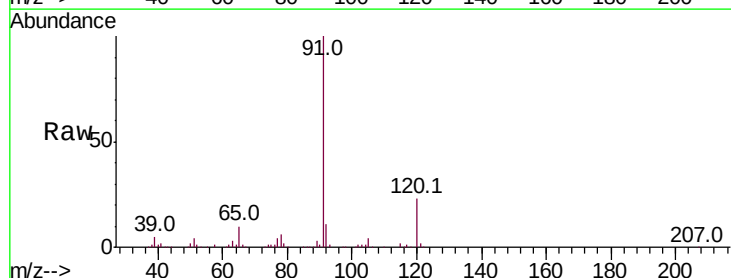
Acq: 17 May 2019 10:16

Tgt Ion: 91 Resp: 316779

Ion Ratio Lower Upper

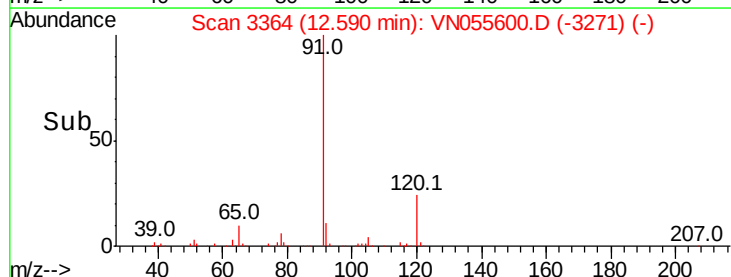
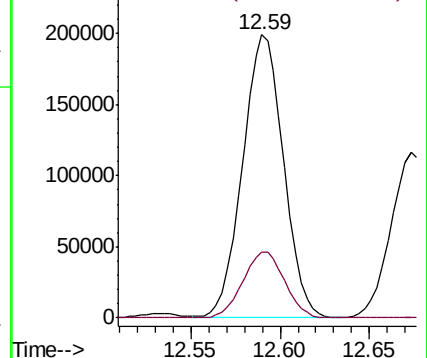
91 100

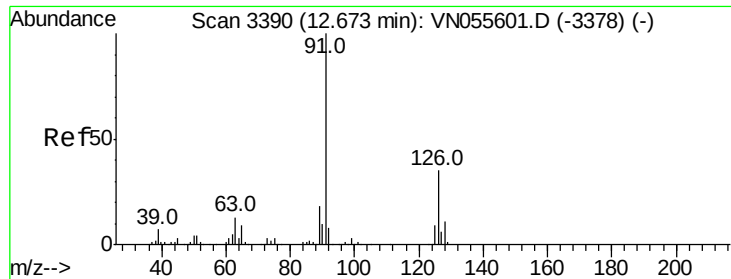
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.943 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 190749

Ion Ratio Lower Upper

91 100

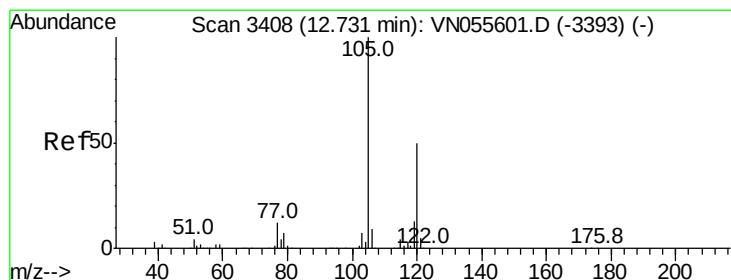
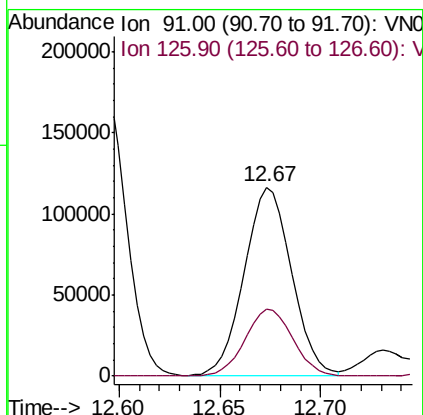
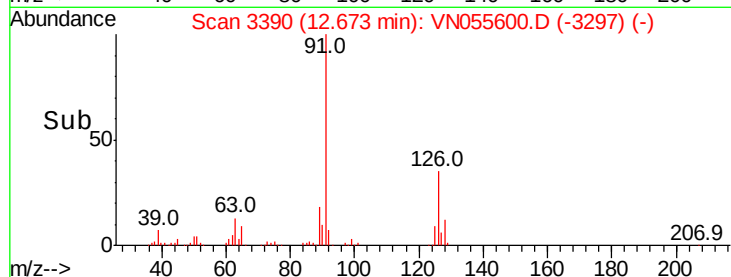
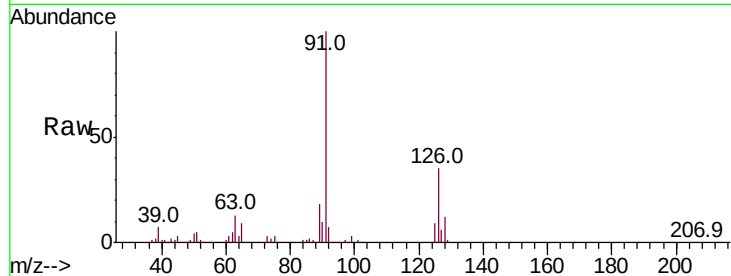
126 36.0 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055600.D

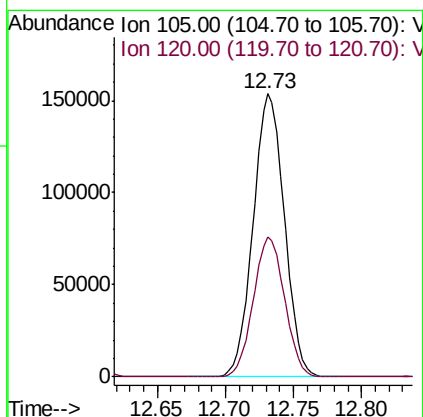
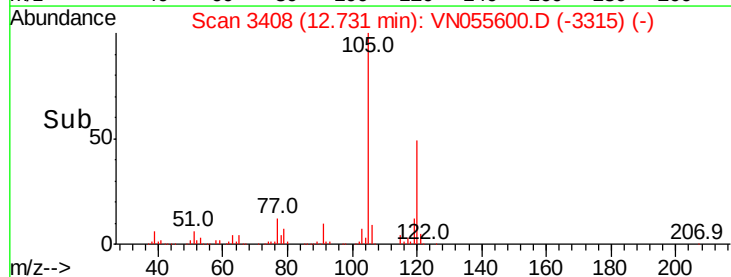
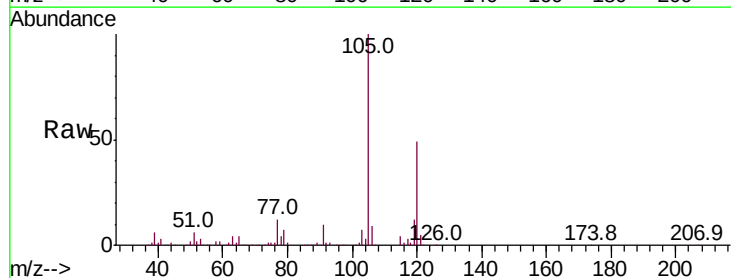
Acq: 17 May 2019 10:16

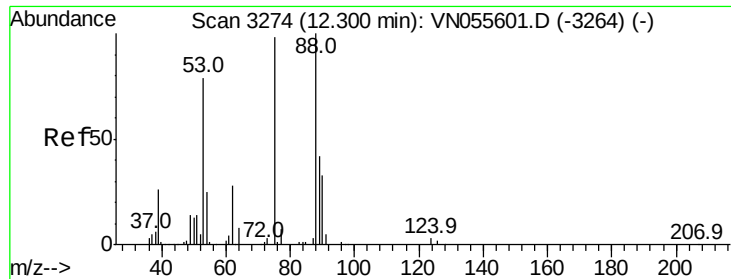
Tgt Ion: 105 Resp: 244061

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 32.120 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

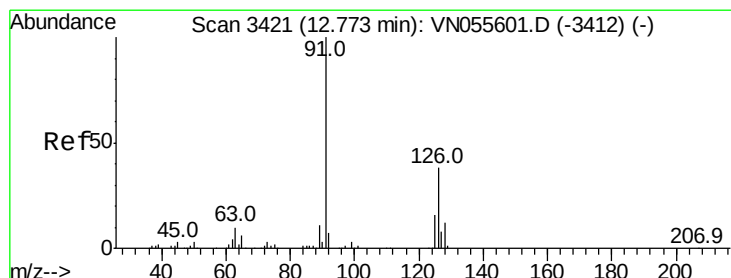
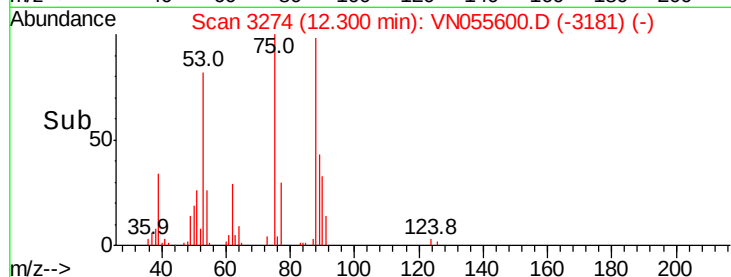
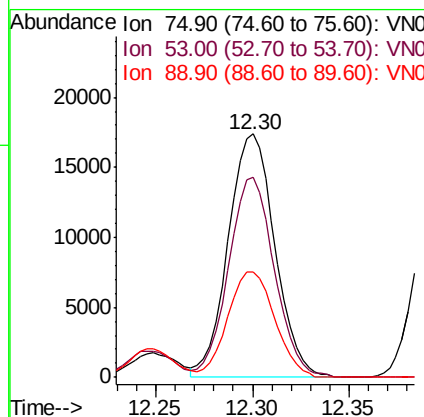
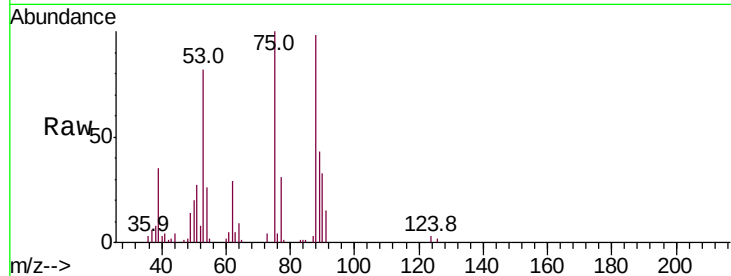
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	29141
Ion	Ratio	Lower	Upper
75	100		
53	81.0	65.1	97.7
89	43.7	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.379 ug/l

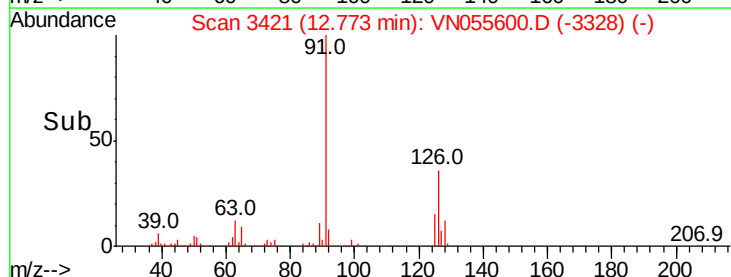
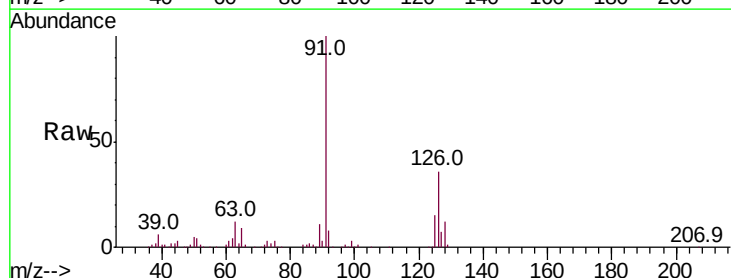
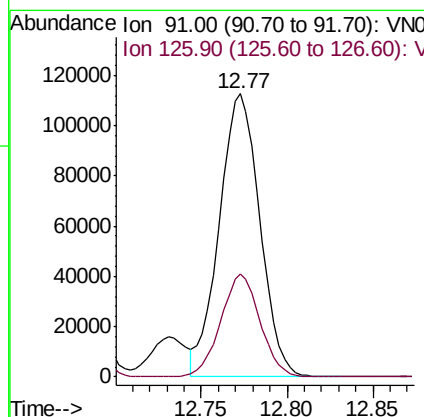
RT: 12.77 min Scan# 3421

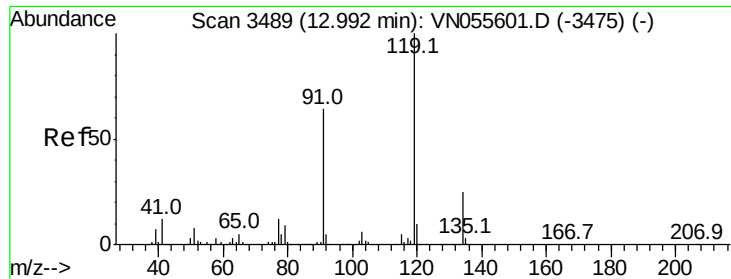
Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	91	Resp:	184871
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





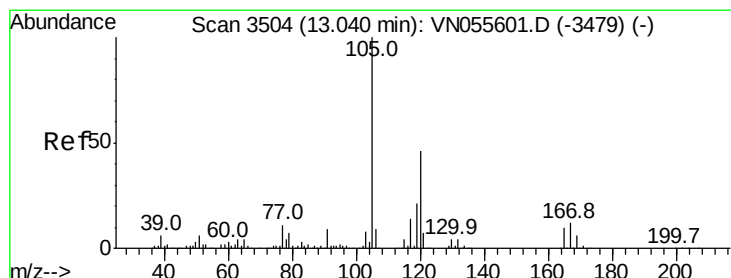
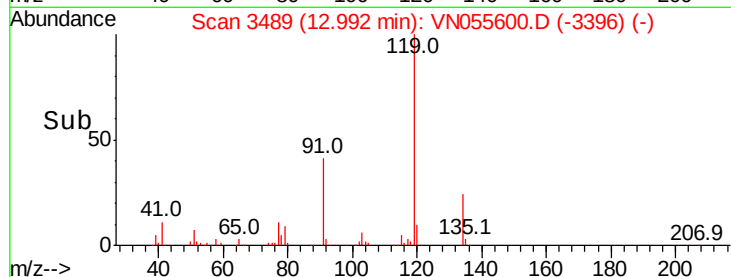
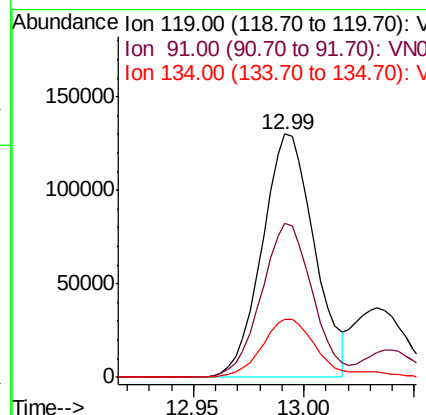
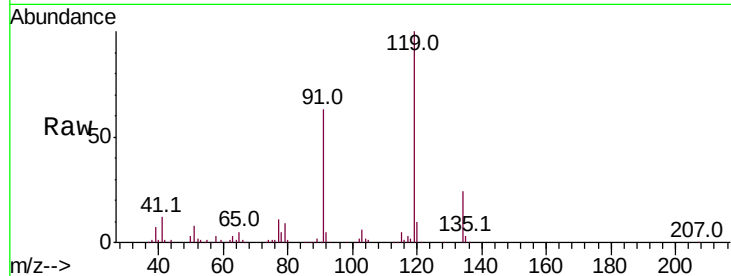
#83
 tert-Butylbenzene
 Concen: 22.327 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213909		
91	62.0		31.3	93.8
134	25.8		13.2	39.6

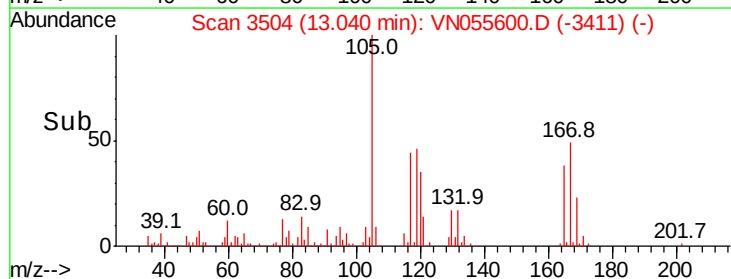
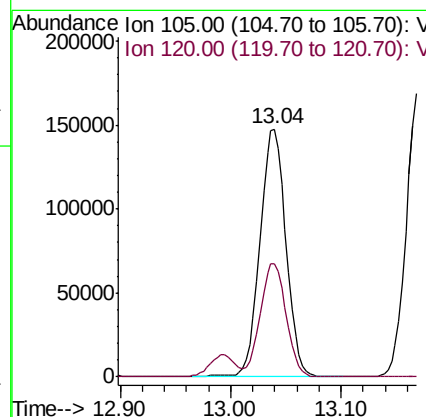
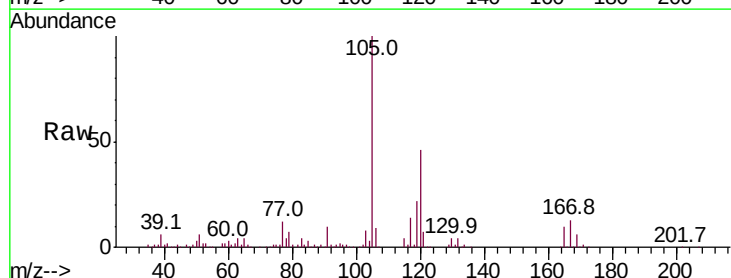
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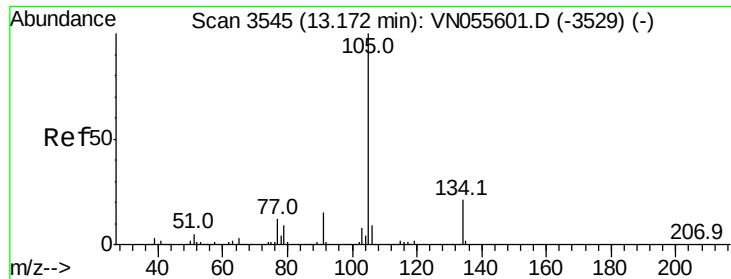
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.570 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241555		
120	45.6		23.1	69.2





#85

sec-Butylbenzene

Concen: 21.210 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 272071

Ion Ratio Lower Upper

105 100

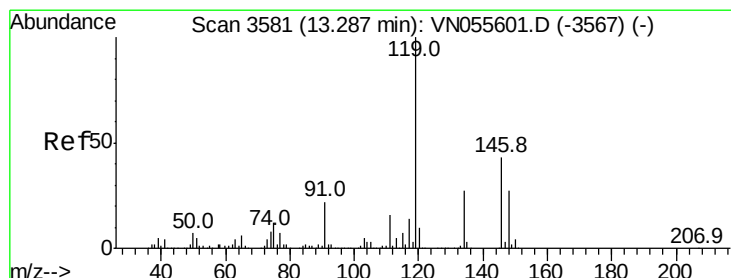
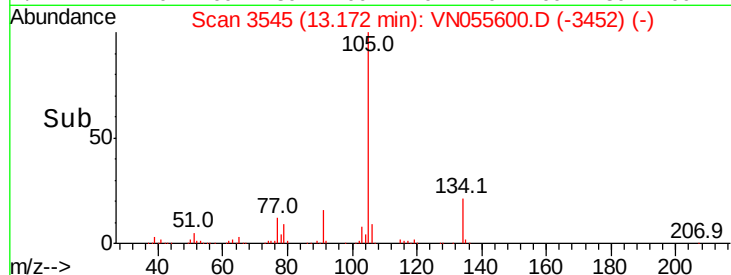
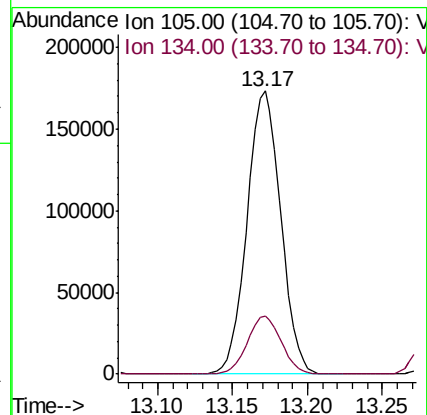
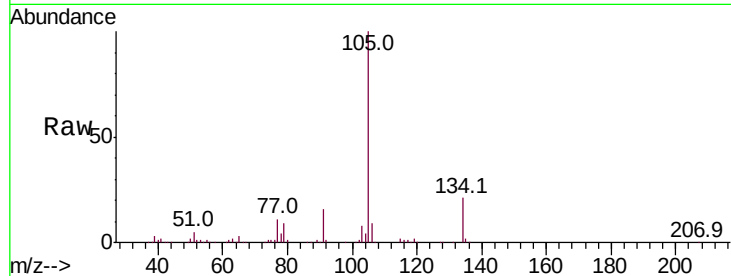
134 20.5 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

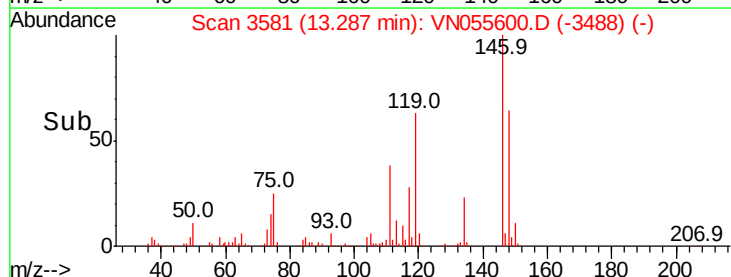
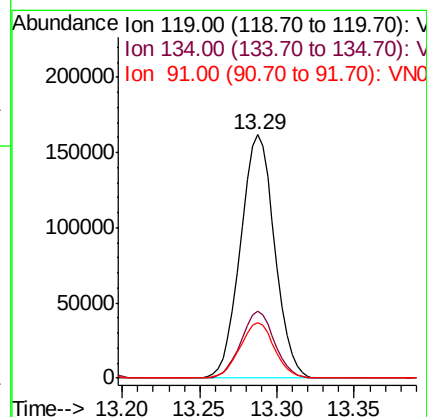
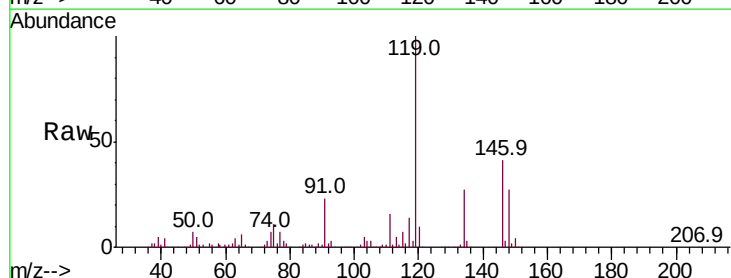
Tgt Ion:119 Resp: 247617

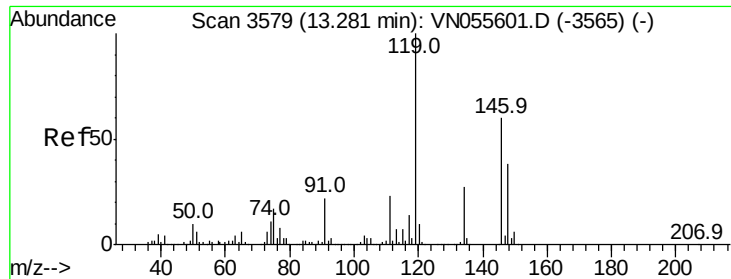
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.9 11.0 33.0





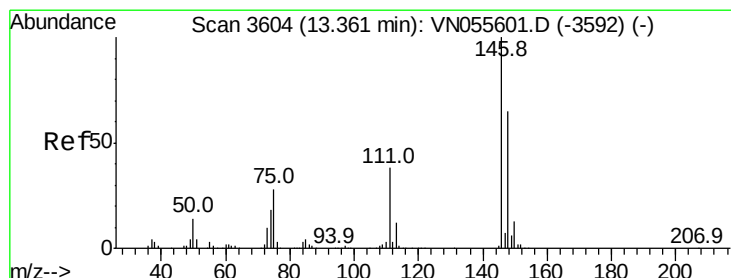
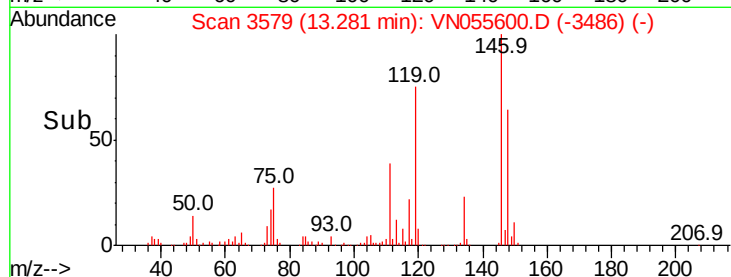
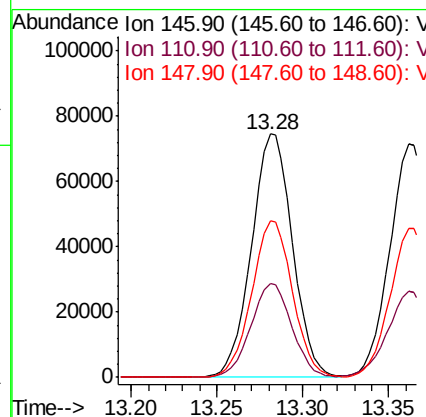
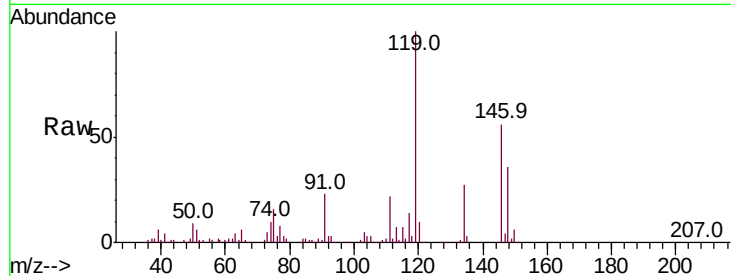
#87
 1,3-Dichlorobenzene
 Concen: 20.480 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123036		
111	38.5	18.9	56.9	
148	64.0	31.9	95.9	

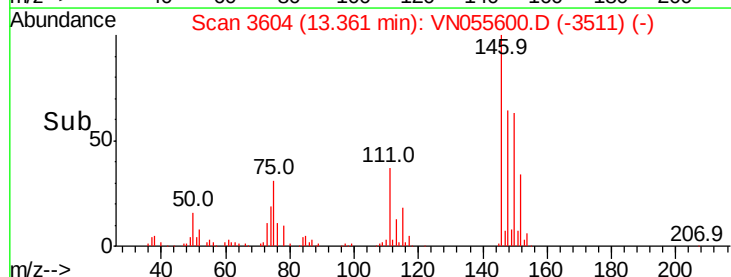
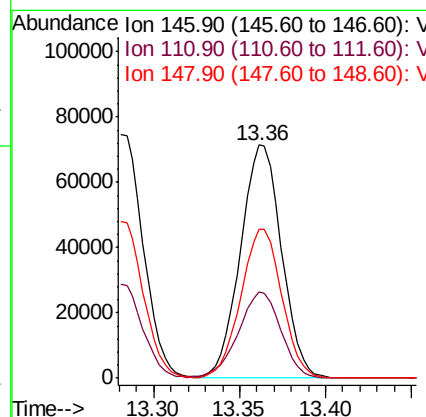
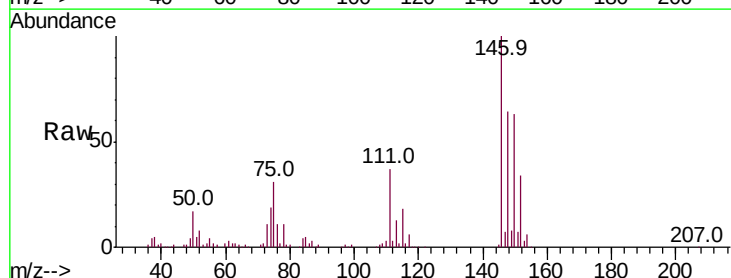
Manual Integrations
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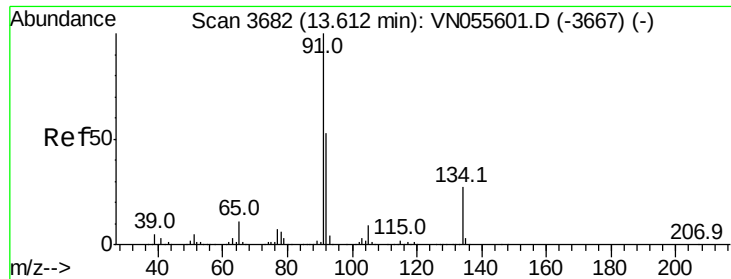
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#88
 1,4-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118708		
111	38.2	18.8	56.4	
148	63.7	32.4	97.0	





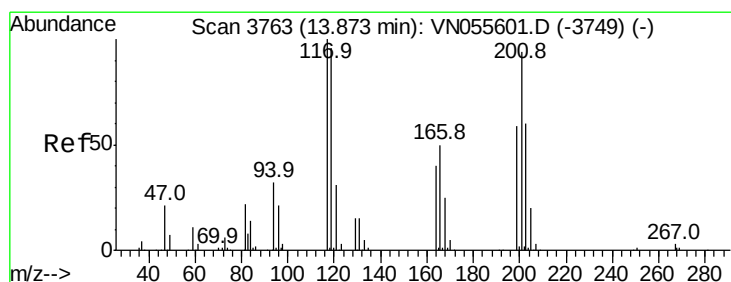
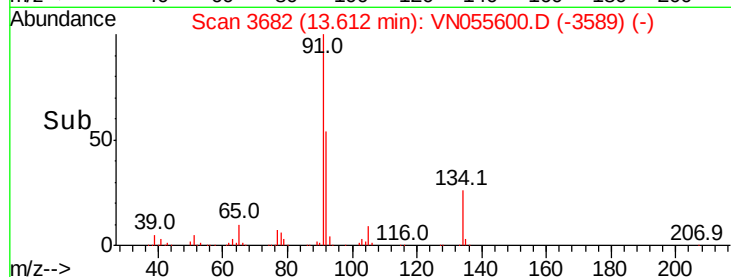
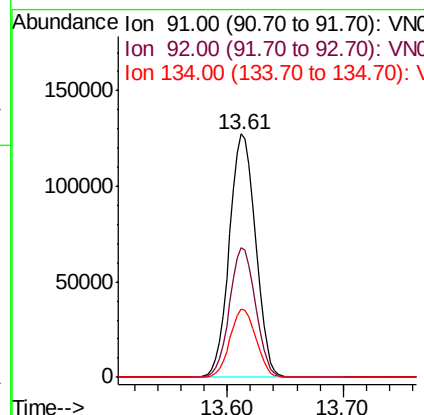
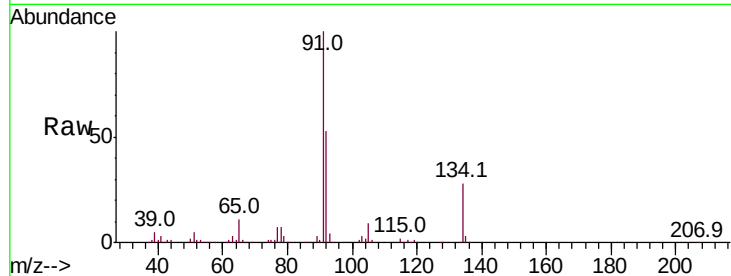
#89
n-Butylbenzene
Concen: 21.766 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	27.7	13.7	41.1

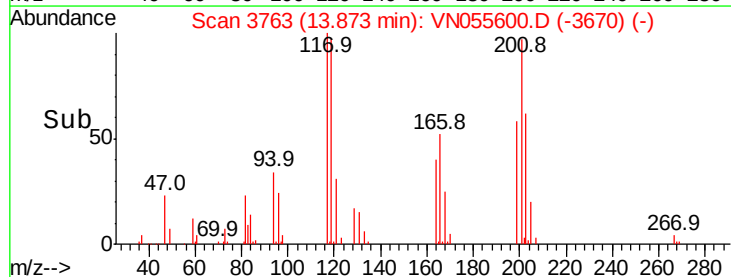
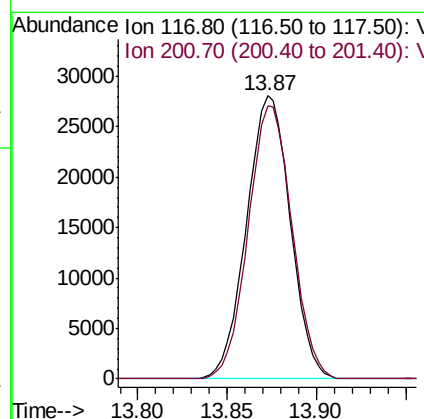
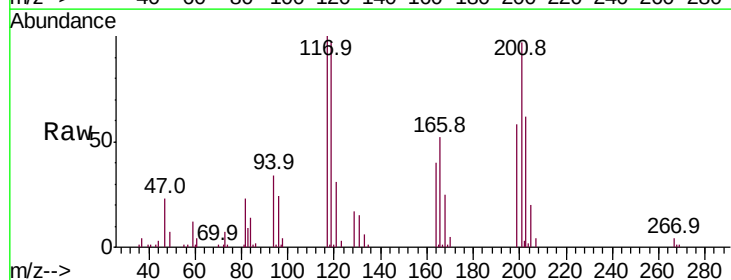
Manual Integrations
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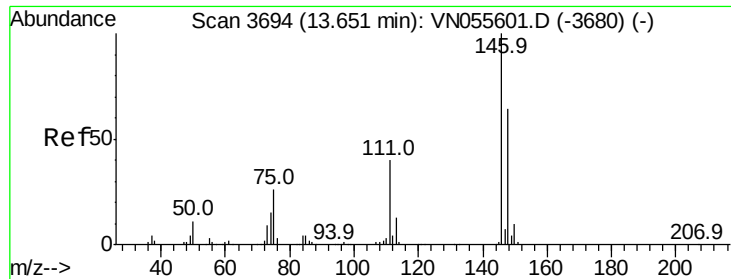
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#90
Hexachloroethane
Concen: 22.130 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	47.1	141.3





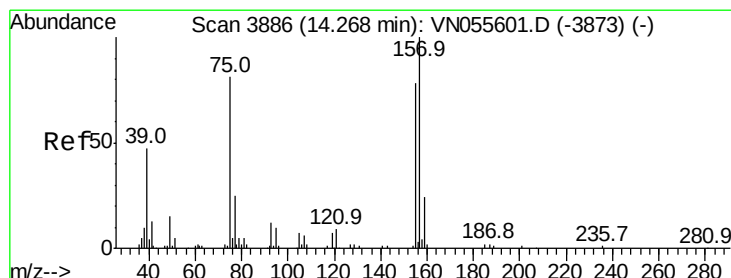
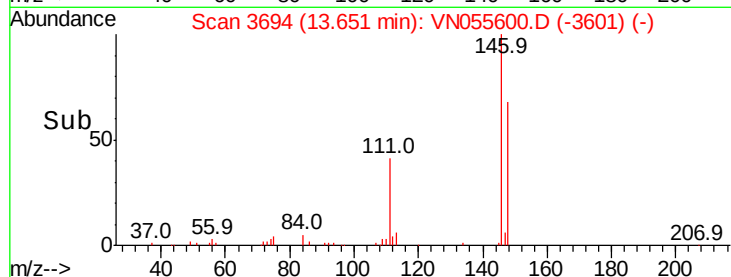
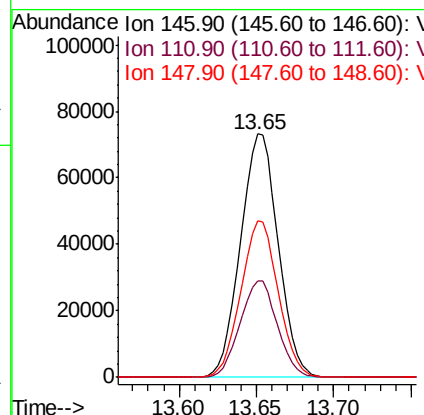
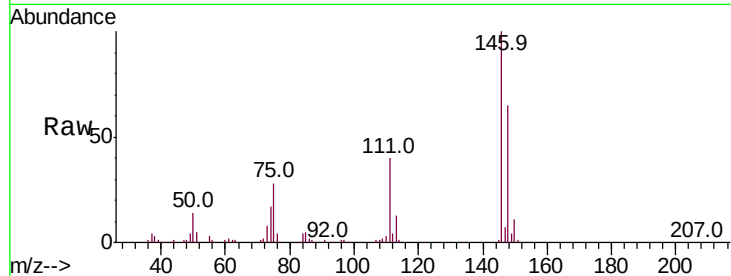
#91
 1,2-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123682		
111	39.3	19.7	59.0	
148	63.8	32.1	96.3	

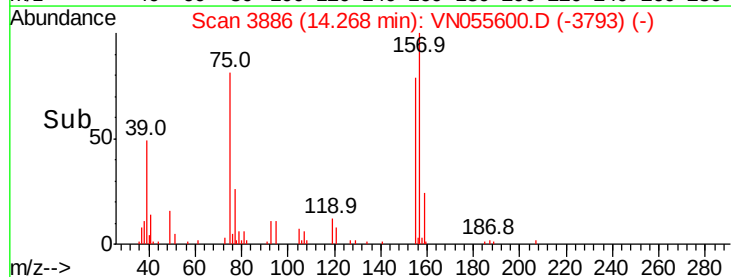
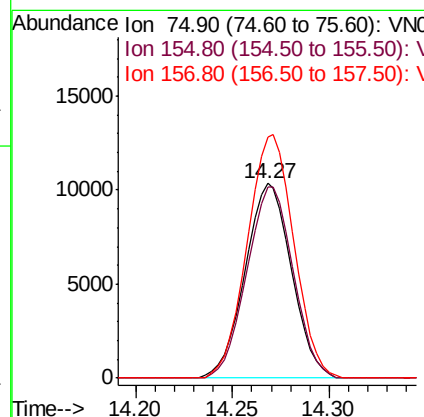
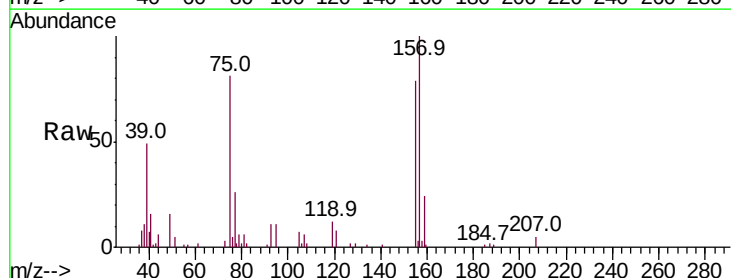
Manual Integrations
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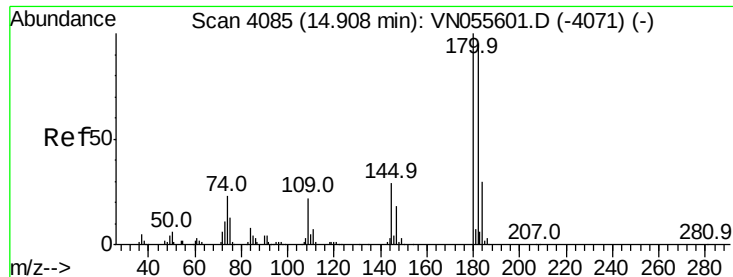
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 34.030 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17327		
155	97.9	48.4	145.0	
157	125.4	62.3	186.8	





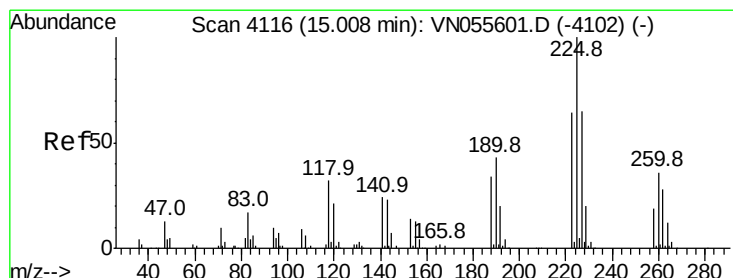
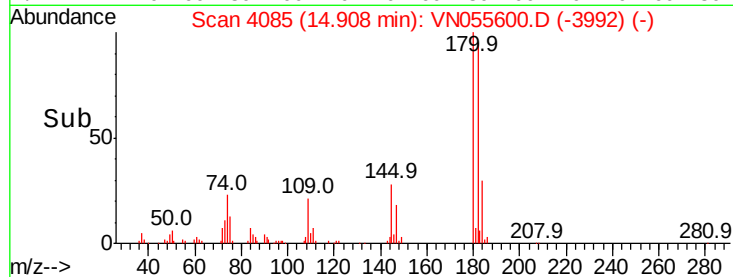
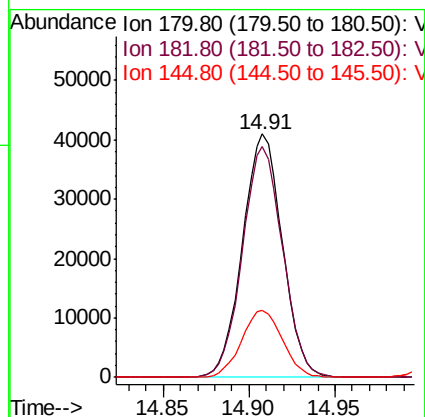
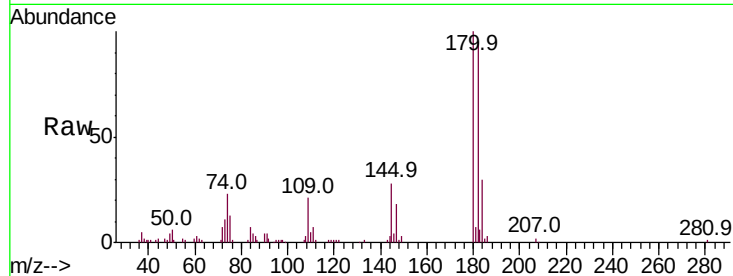
#93
 1,2,4-Trichlorobenzene
 Concen: 21.341 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	65870
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	28.2	14.3	42.9

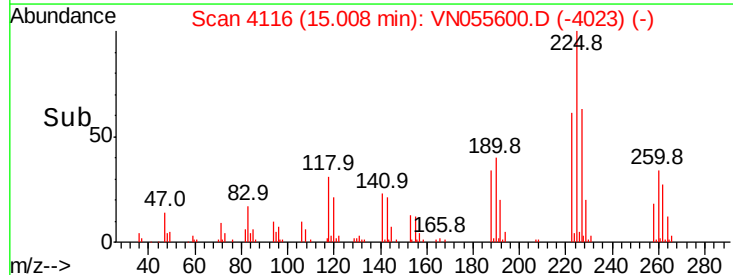
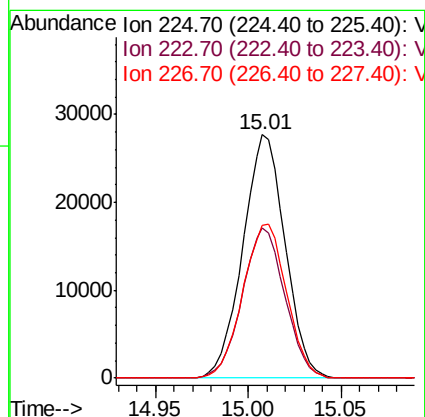
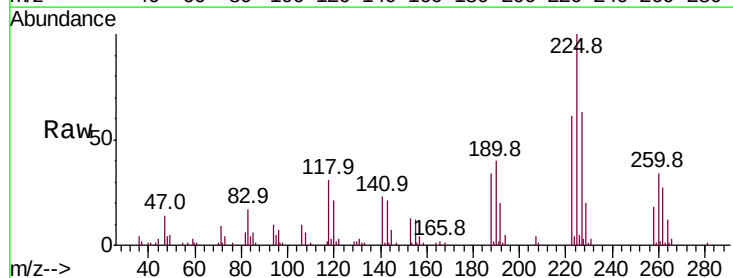
Manual Integrations
 APPROVED

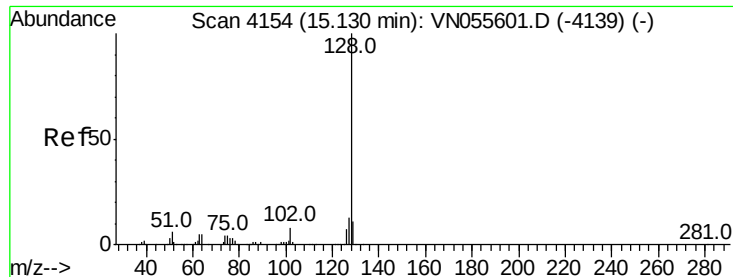
MMDadoda
 5/20/2019 9:09:57 AM



#94
 Hexachlorobutadiene
 Concen: 17.886 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion:	225	Resp:	43868
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.6	94.7
227	65.3	32.4	97.0





#95

Naphthalene

Concen: 28.599 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

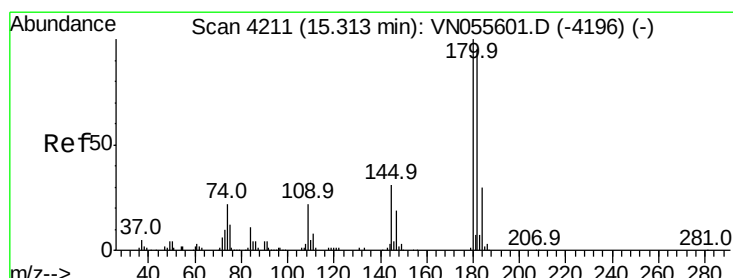
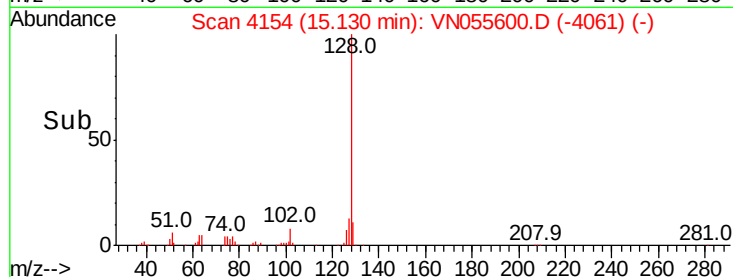
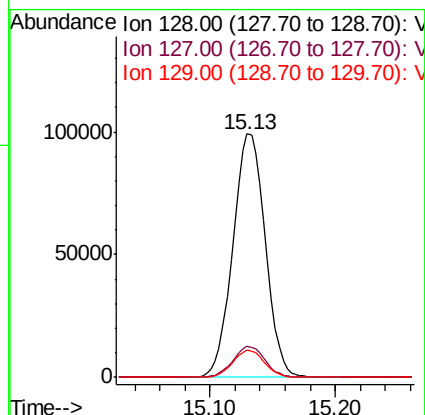
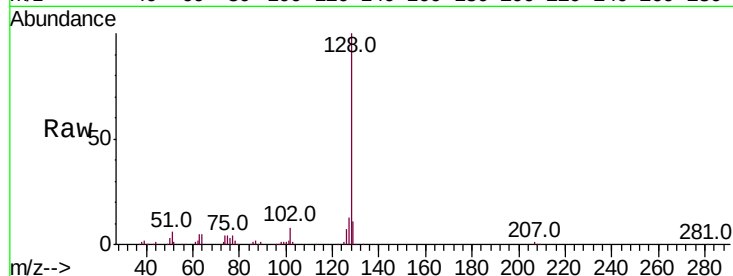
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	177436
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:09:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.129 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion:	180	Resp:	69599
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.6
145	30.6	15.4	46.1

