

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055638.D
 Acq On : 18 May 2019 3:22
 Operator : JC/SP
 Sample : VN0517WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:16 AM

Quant Time: May 18 04:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	318176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	491291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175729	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	159414	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	590640	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	202827	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46413	18.959	ug/l	98
3) Chloromethane	2.06	50	61002	18.682	ug/l	99
4) Vinyl Chloride	2.19	62	68657	19.418	ug/l	97
5) Bromomethane	2.57	94	46539	20.653	ug/l	99
6) Chloroethane	2.71	64	38565	19.644	ug/l	98
7) Trichlorofluoromethane	3.03	101	88939	19.629	ug/l	100
8) Diethyl Ether	3.41	74	36217	19.897	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51764	18.739	ug/l	98
10) Methyl Iodide	3.96	142	70480	17.698	ug/l	99
11) Tert butyl alcohol	4.77	59	67179	103.285	ug/l	96
12) 1,1-Dichloroethene	3.74	96	55999	19.272	ug/l	99
13) Acrolein	3.61	56	30406	92.509	ug/l	96
14) Allyl chloride	4.33	41	86415	18.421	ug/l	99
15) Acrylonitrile	4.99	53	146721	101.391	ug/l	99
16) Acetone	3.82	43	124035	87.142	ug/l	98
17) Carbon Disulfide	4.06	76	150766	18.664	ug/l	98
18) Methyl Acetate	4.33	43	60341	19.774	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	188808	19.641	ug/l	97
20) Methylene Chloride	4.56	84	62464	19.229	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	59038	19.073	ug/l	99
22) Diisopropyl ether	5.95	45	175888	18.922	ug/l	99
23) Vinyl Acetate	5.90	43	761051	96.490	ug/l	99
24) 1,1-Dichloroethane	5.85	63	105827	19.417	ug/l	98
25) 2-Butanone	6.83	43	191340	96.142	ug/l	100
26) 2,2-Dichloropropane	6.83	77	56485	11.677	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	70429	19.539	ug/l	94
28) Bromochloromethane	7.20	49	48453	20.434	ug/l	100
29) Tetrahydrofuran	7.21	42	131065	99.403	ug/l	99
30) Chloroform	7.37	83	108155	19.332	ug/l	97
31) Cyclohexane	7.66	56	98110	18.967	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97506	19.431	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81090	18.513	ug/l	99
37) Ethyl Acetate	6.93	43	80204	20.292	ug/l	98
38) Carbon Tetrachloride	7.78	117	87476	18.689	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93544	17.716	ug/l	99
40) Benzene	8.05	78	246901	19.164	ug/l	100
41) Methacrylonitrile	7.18	41	32785m	19.401	ug/l	
42) 1,2-Dichloroethane	8.13	62	80797	19.367	ug/l	99
43) Isopropyl Acetate	8.17	43	132136	19.219	ug/l	99
44) Trichloroethene	8.84	130	70904	19.504	ug/l	98
45) 1,2-Dichloropropane	9.12	63	64956	19.138	ug/l	96
46) Dibromomethane	9.21	93	43719	19.681	ug/l	97
47) Bromodichloromethane	9.40	83	88371	18.981	ug/l	100
48) Methyl methacrylate	9.20	41	62378	20.298	ug/l	99
49) 1,4-Dioxane	9.20	88	26371	431.854	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	393627	97.601	ug/l	100
52) Toluene	10.16	92	155494	19.243	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88335	17.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	100165	18.247	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	63325	19.036	ug/l	98
56) Ethyl methacrylate	10.43	69	97702	18.814	ug/l	98
57) 1,3-Dichloropropane	10.71	76	100823	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	208666	94.568	ug/l	100
59) 2-Hexanone	10.75	43	270948	95.423	ug/l	99
60) Dibromochloromethane	10.90	129	74796	19.838	ug/l	99
61) 1,2-Dibromoethane	11.01	107	64444	19.361	ug/l	98
64) Tetrachloroethene	10.63	164	70652	20.882	ug/l	98
65) Chlorobenzene	11.43	112	167272	19.280	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66750	19.124	ug/l	100
67) Ethyl Benzene	11.51	91	291466	18.858	ug/l	99
68) m/p-Xylenes	11.62	106	220332	37.750	ug/l	98
69) o-Xylene	11.95	106	108378	18.985	ug/l	98
70) Styrene	11.96	104	180902	19.058	ug/l	99
71) Bromoform	12.13	173	58133	19.654	ug/l #	100
73) Isopropylbenzene	12.25	105	287391	20.150	ug/l	100
74) N-amyl acetate	12.07	43	99505	18.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	88566	20.099	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	72400m	18.704	ug/l	
77) Bromobenzene	12.53	156	76469	19.628	ug/l	95
78) n-propylbenzene	12.59	91	305614	18.142	ug/l	99
79) 2-Chlorotoluene	12.67	91	186419	19.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	236434	19.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23029	15.293	ug/l	98
82) 4-Chlorotoluene	12.77	91	183752	18.513	ug/l	100
83) tert-Butylbenzene	12.99	119	206410	19.709	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	235803	19.709	ug/l	100
85) sec-Butylbenzene	13.17	105	261701	19.323	ug/l	99
86) p-Isopropyltoluene	13.29	119	238036	19.079	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	120991	18.783	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119811	19.480	ug/l	100
89) n-Butylbenzene	13.61	91	186316	17.899	ug/l	99
90) Hexachloroethane	13.87	117	46754	19.403	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	122815	19.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16681	19.376	ug/l	94

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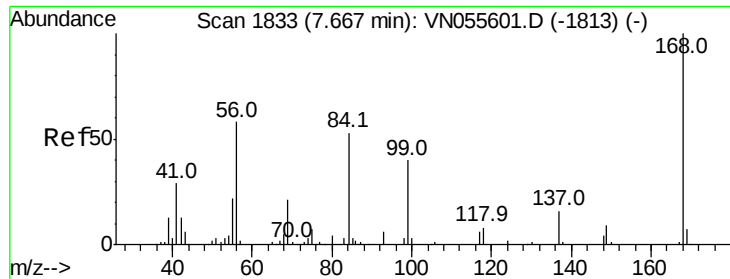
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64617	19.769	ug/l	100
94) Hexachlorobutadiene	15.01	225	39676	18.262	ug/l	99
95) Naphthalene	15.13	128	176803	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67488	19.747	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion:168 Resp: 318176

Ion Ratio Lower Upper

168 100

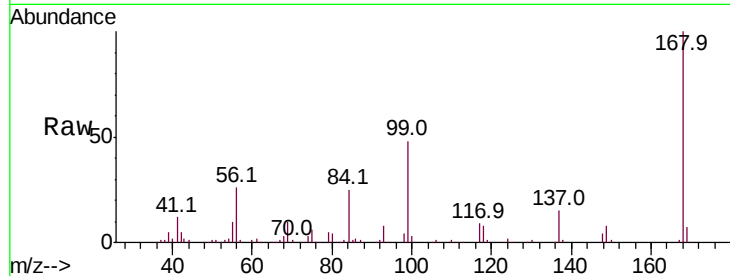
99 48.4 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

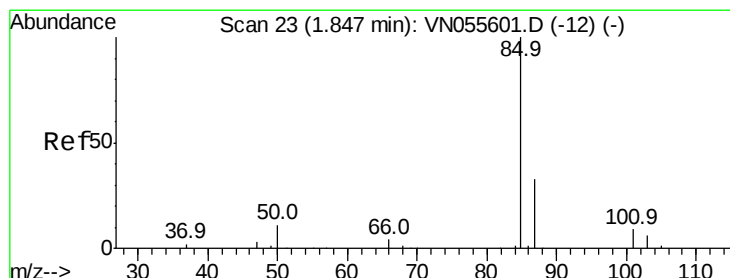
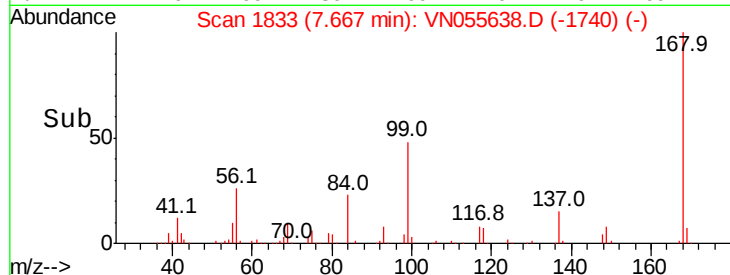
7.67

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 18.959 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055638.D

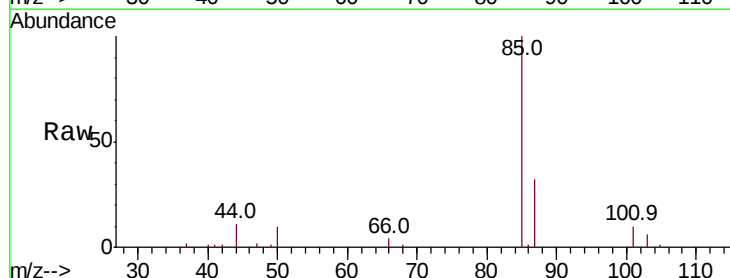
Acq: 18 May 2019 3:22

Tgt Ion: 85 Resp: 46413

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

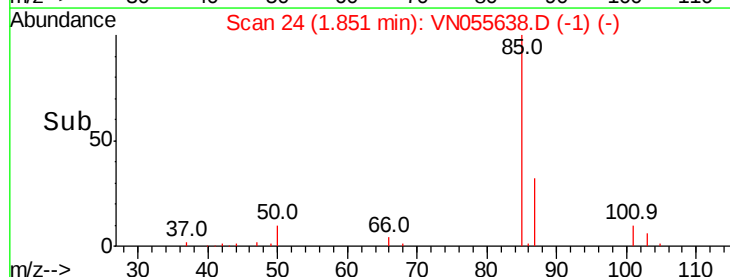
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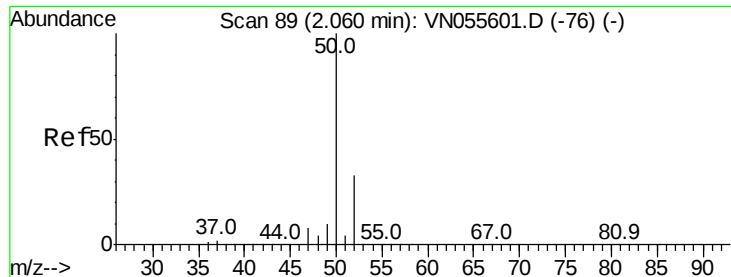
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.682 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 50 Resp: 61002

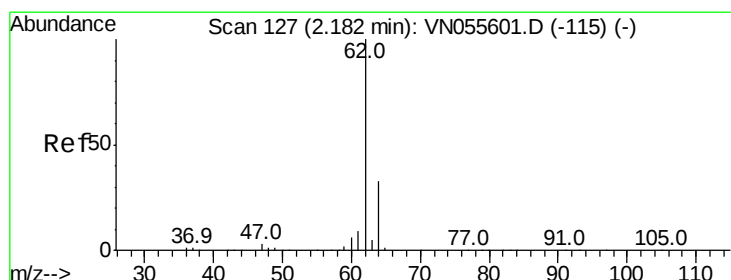
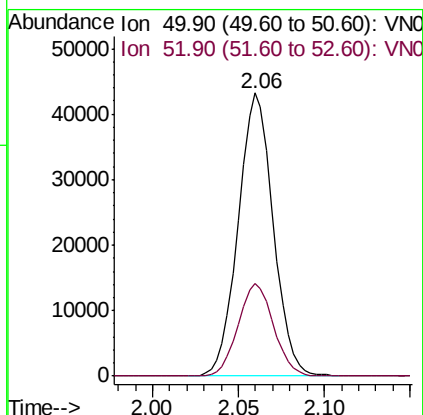
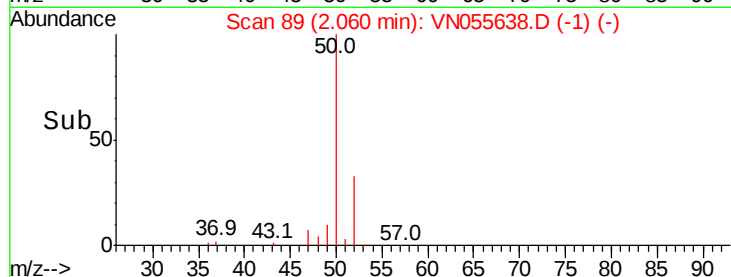
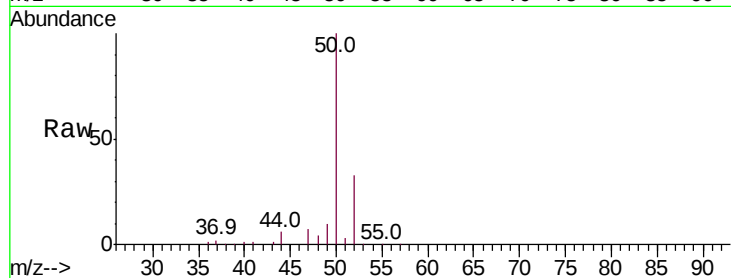
Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.418 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055638.D

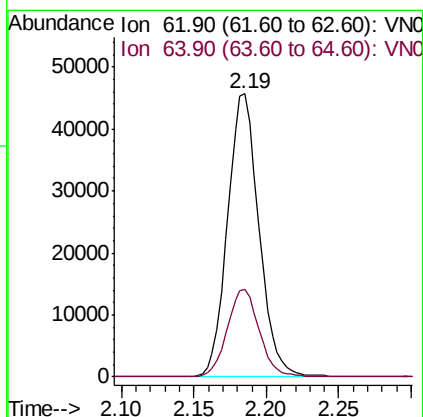
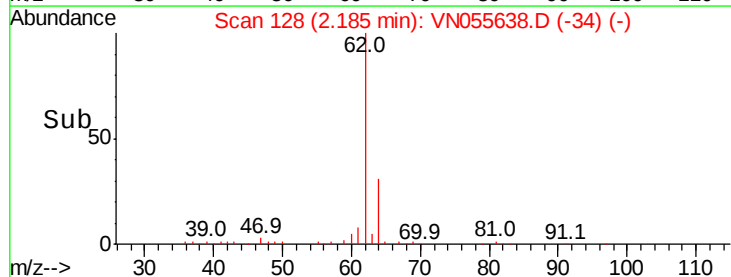
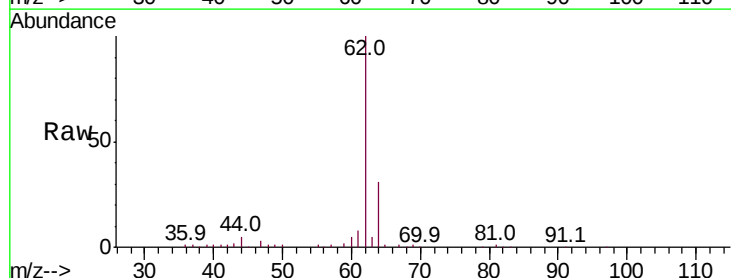
Acq: 18 May 2019 3:22

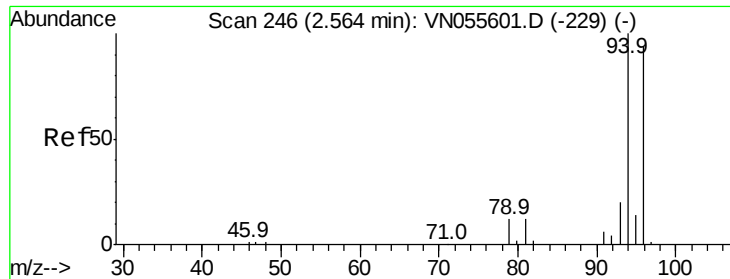
Tgt Ion: 62 Resp: 68657

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.4





#5

Bromomethane

Concen: 20.653 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 94 Resp: 46539

Ion Ratio Lower Upper

94 100

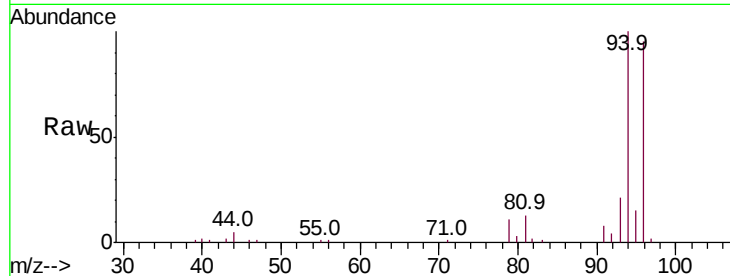
96 95.0 75.2 112.8

Manual Integrations

APPROVED

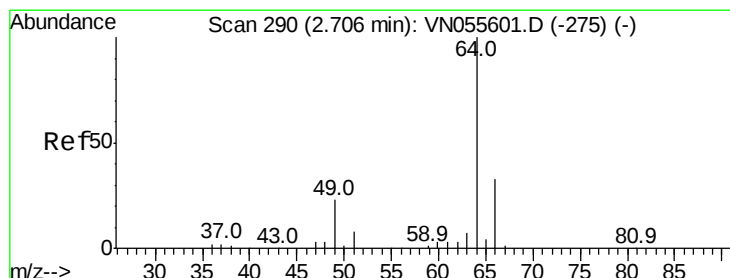
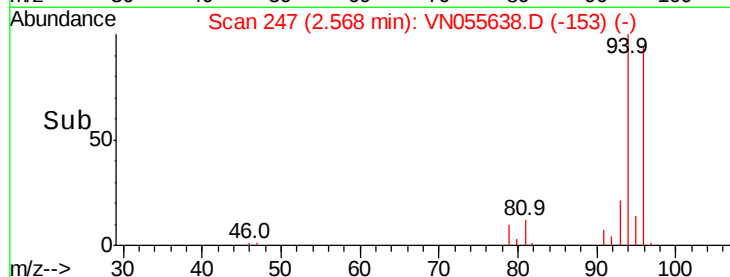
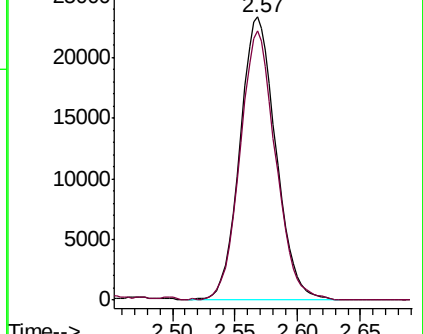
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.644 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055638.D

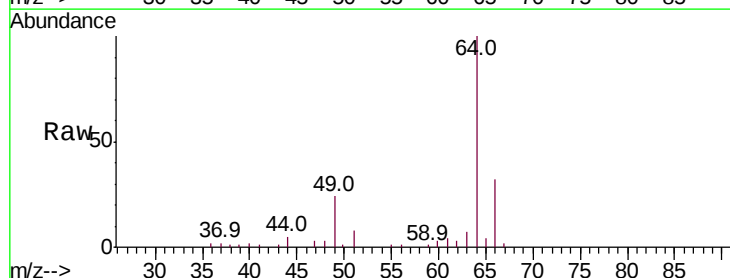
Acq: 18 May 2019 3:22

Tgt Ion: 64 Resp: 38565

Ion Ratio Lower Upper

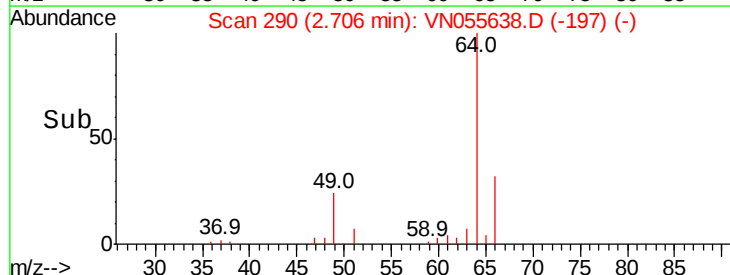
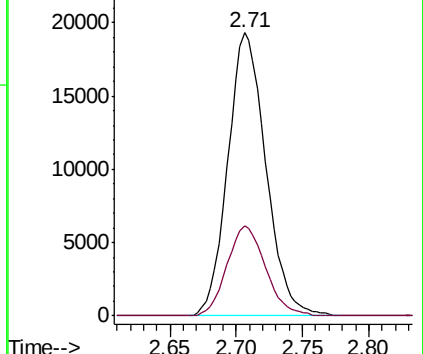
64 100

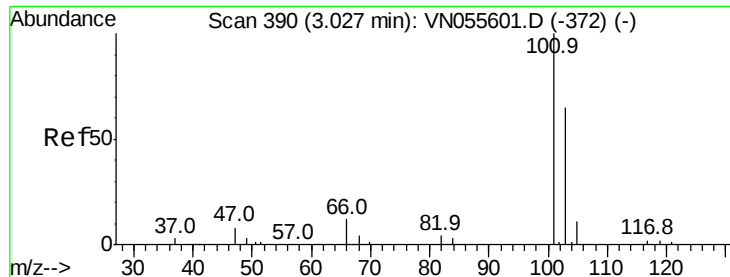
66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

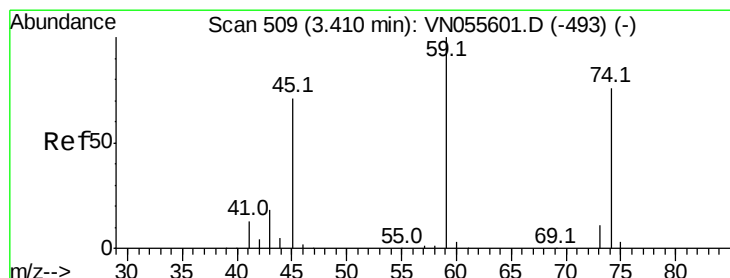
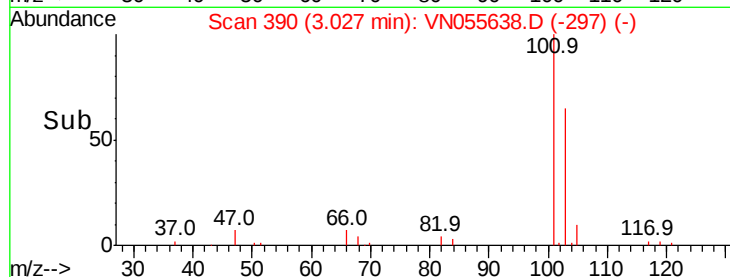
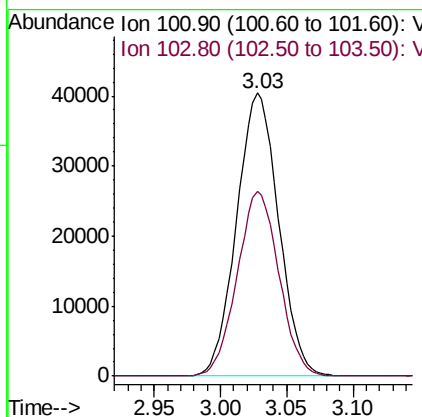
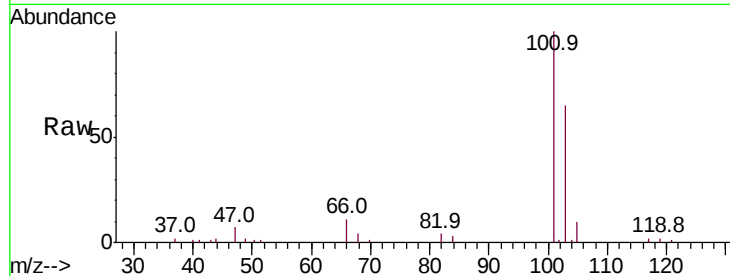
Trichlorofluoromethane
 Concen: 19.629 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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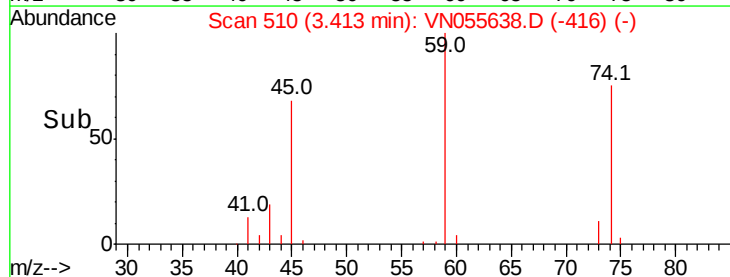
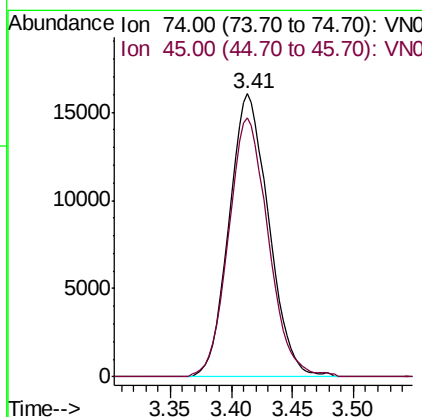
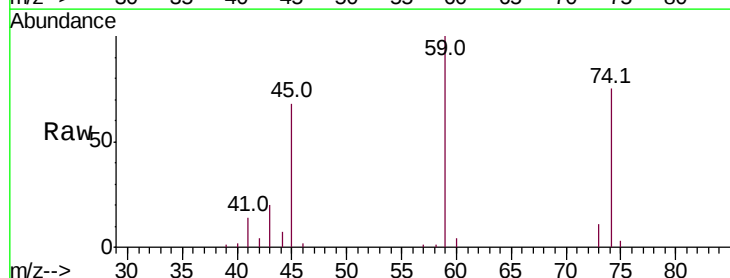
MMDadoda
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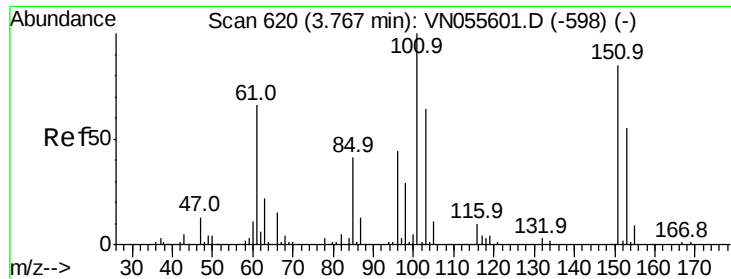


#8

Diethyl Ether
 Concen: 19.897 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.739 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

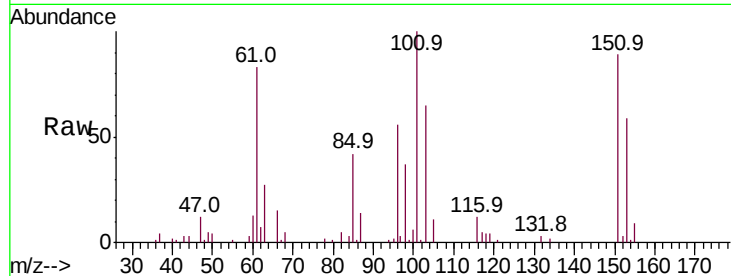
ClientSampleId :

VN0517WBS02

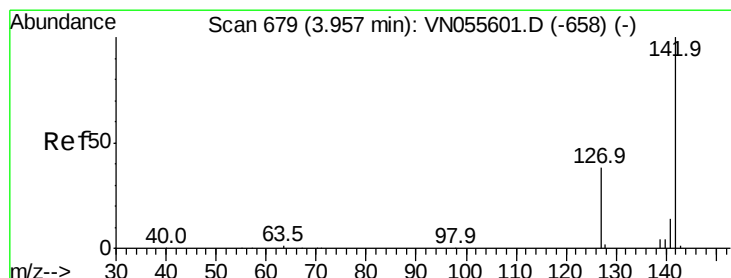
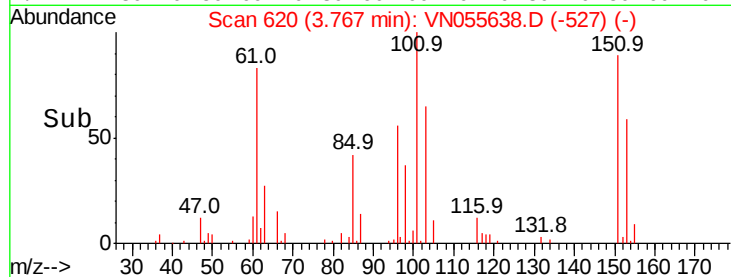
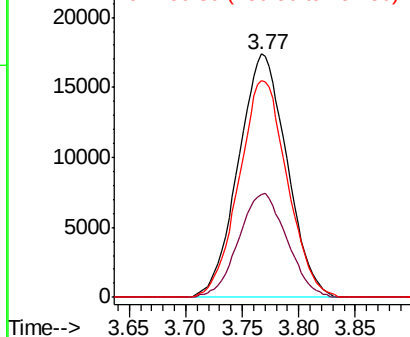
Tot Ion:	101	Resp:	51764
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.0
151	88.6	69.3	103.9

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



#10

Methyl Iodide

Concen: 17.698 ug/l

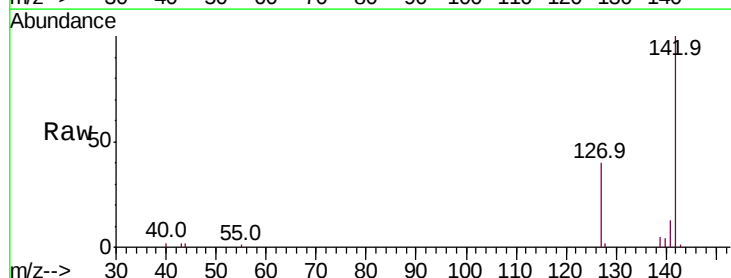
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

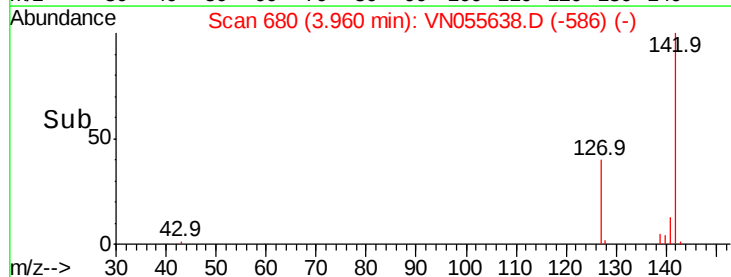
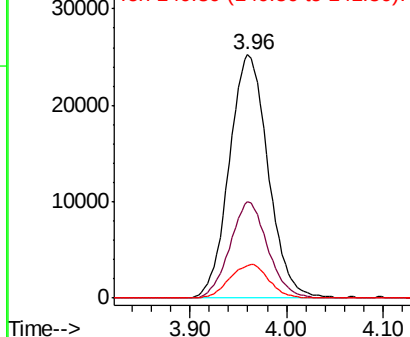
Lab File: VN055638.D

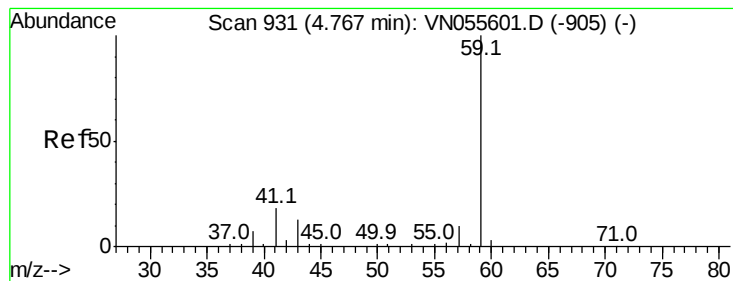
Acq: 18 May 2019 3:22

Tgt Ion:	142	Resp:	70480
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.8	11.5	17.3



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





#11

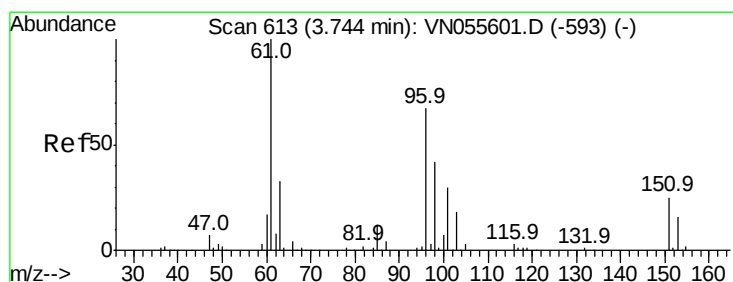
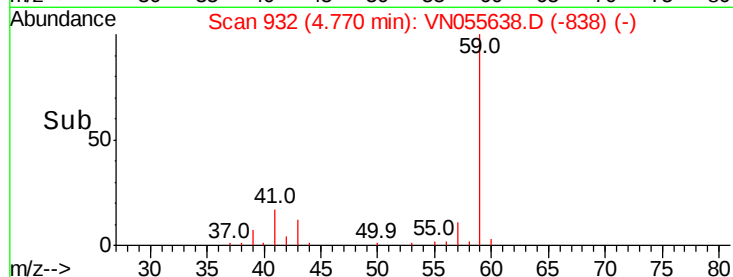
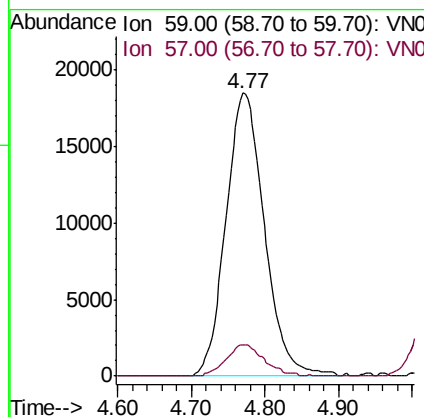
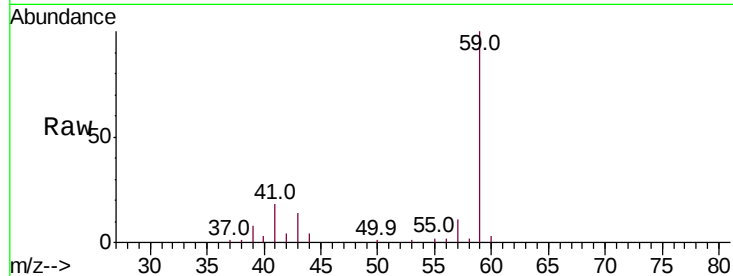
Tert butyl alcohol
 Concen: 103.285 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.6

Manual Integrations
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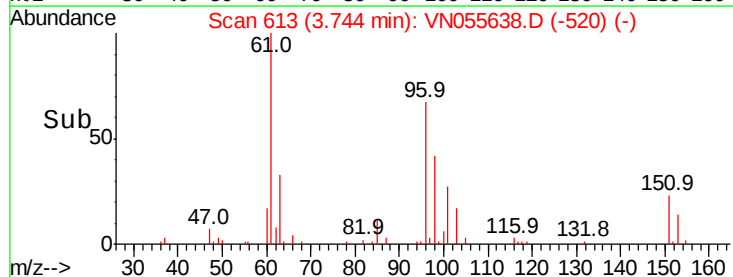
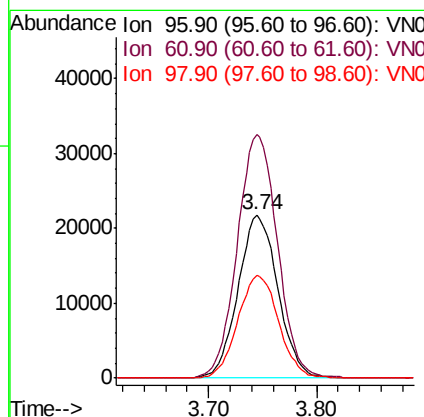
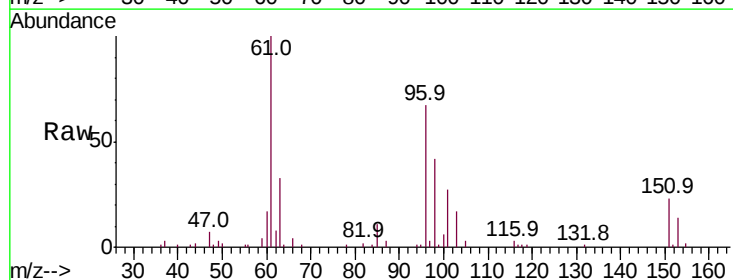
MMDadoda
 5/20/2019 9:08:16 AM

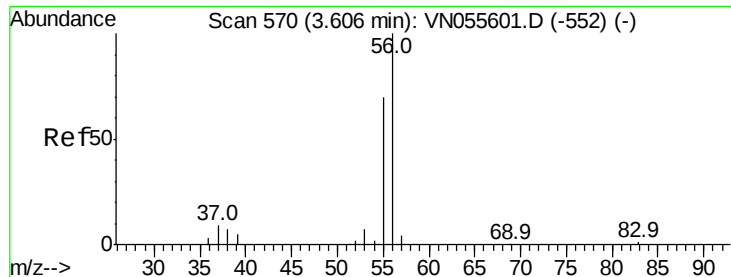


#12

1,1-Dichloroethene
 Concen: 19.272 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	120.2	180.2
98	63.1	50.6	75.8





#13

Acrolein

Concen: 92.509 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 56 Resp: 30406

Ion Ratio Lower Upper

56 100

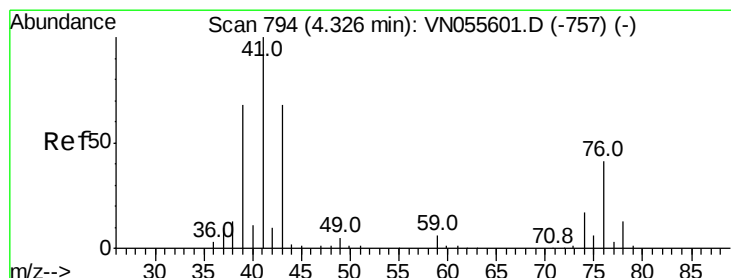
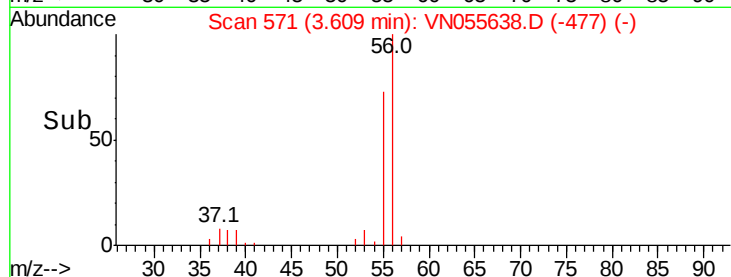
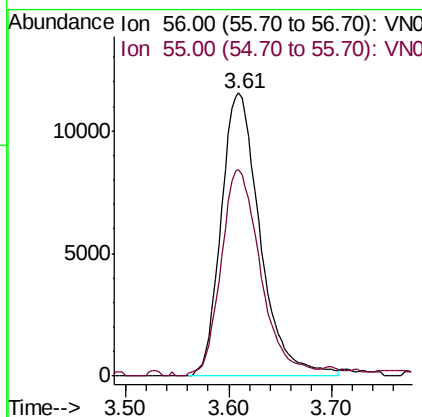
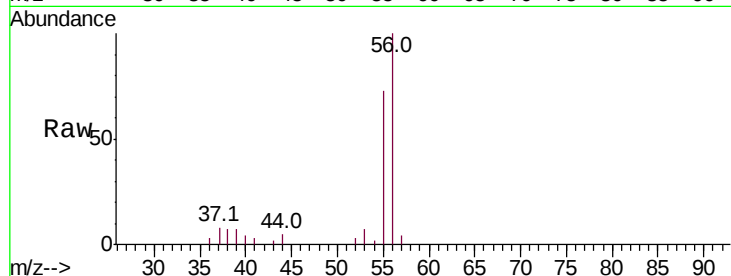
55 74.1 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.421 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

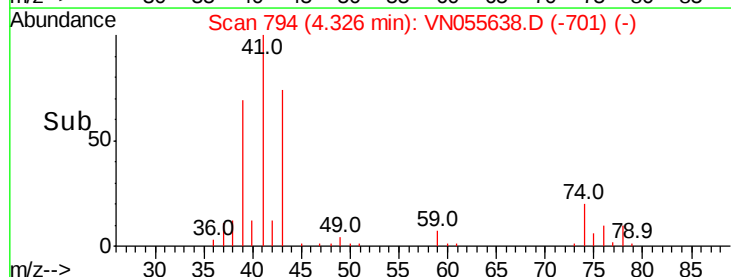
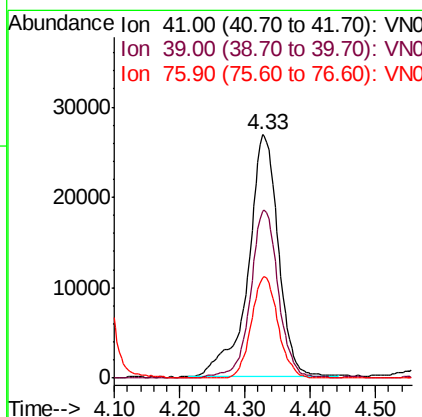
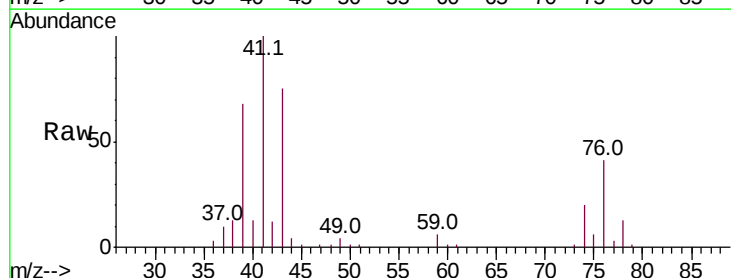
Tgt Ion: 41 Resp: 86415

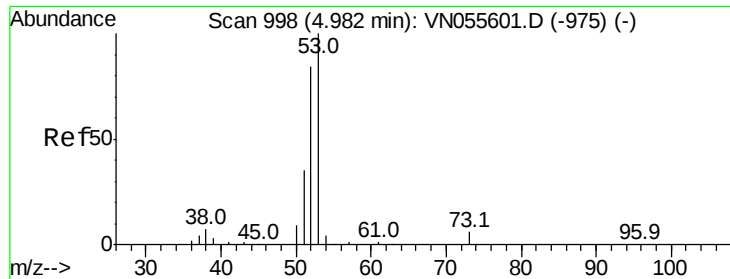
Ion Ratio Lower Upper

41 100

39 64.0 50.5 75.7

76 36.9 29.2 43.8





#15

Acrylonitrile

Concen: 101.391 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

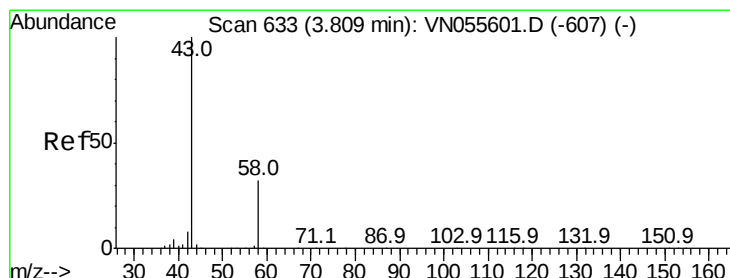
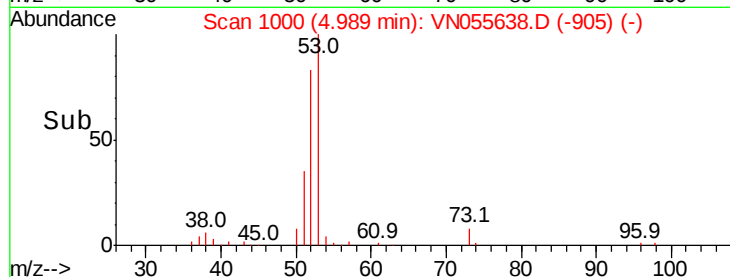
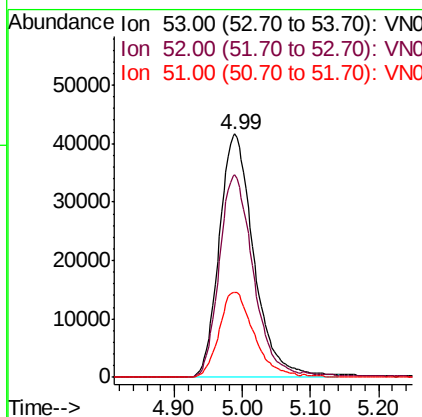
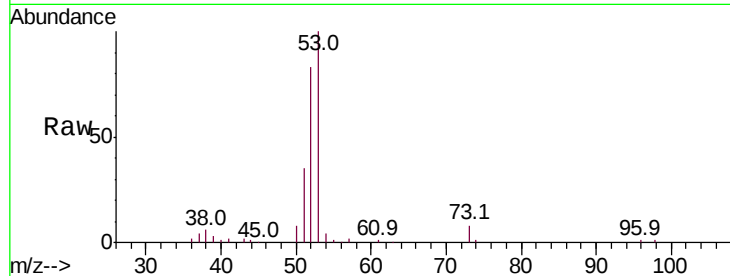
ClientSampleId :

VN0517WBS02

Tot Ion	53	Resp	146721
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.2	99.4
51	35.2	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 87.142 ug/l

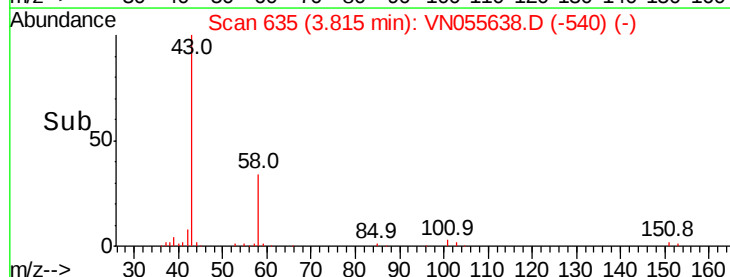
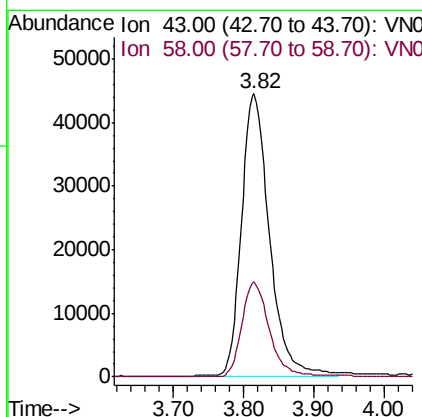
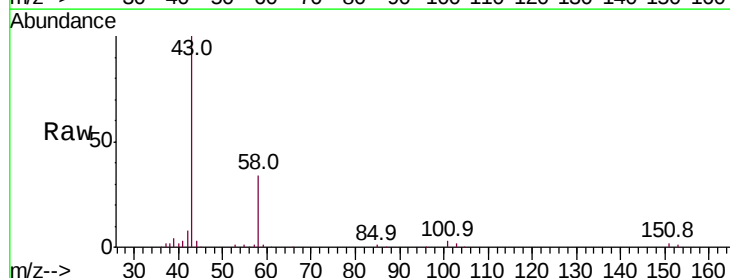
RT: 3.82 min Scan# 635

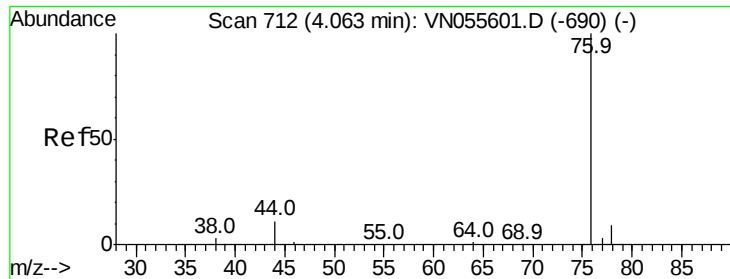
Delta R.T. 0.01 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion	43	Resp	124035
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.0	39.0





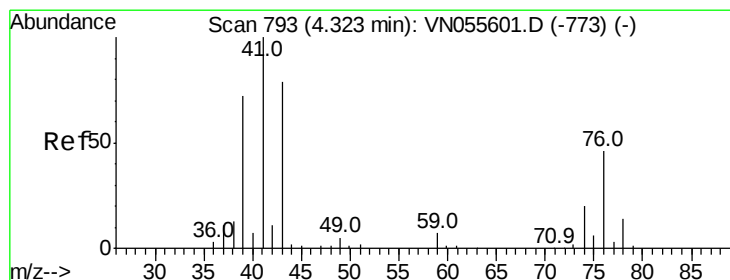
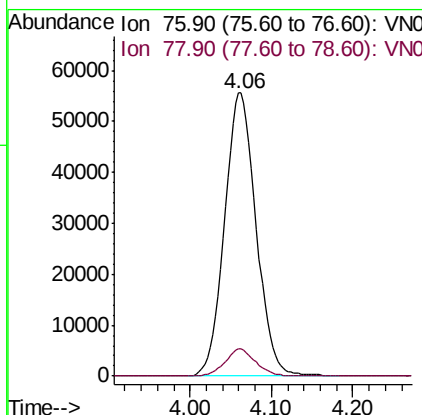
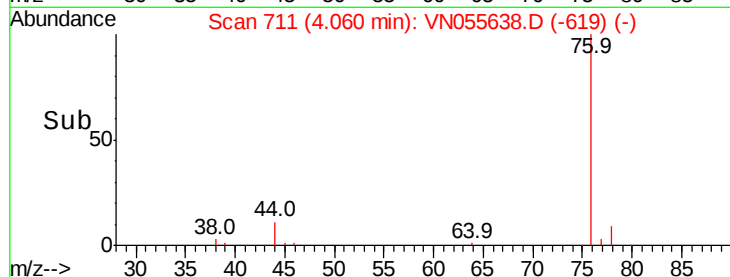
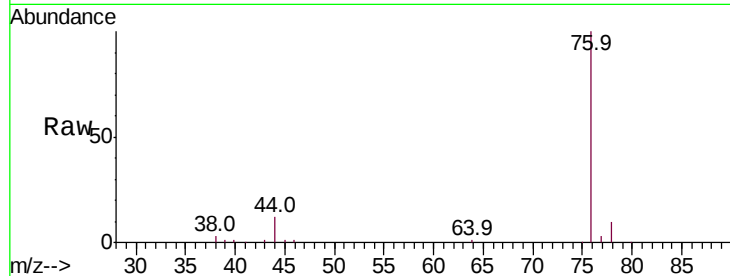
#17
Carbon Disulfide
Concen: 18.664 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion: 76 Resp: 150766
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

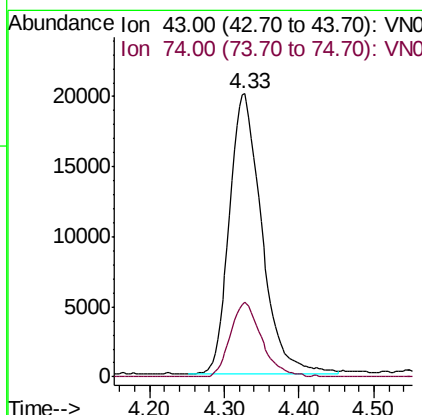
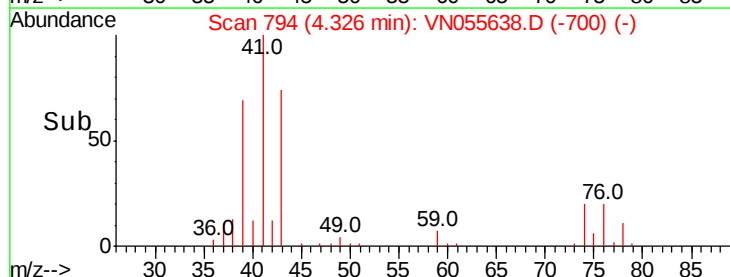
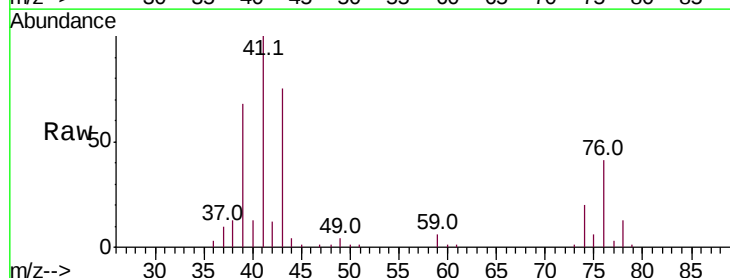
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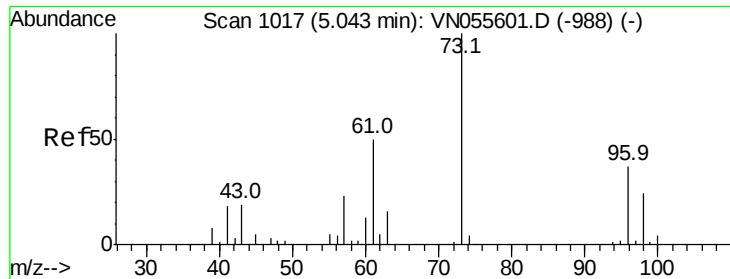
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#18
Methyl Acetate
Concen: 19.774 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 43 Resp: 60341
Ion Ratio Lower Upper
43 100
74 25.7 19.9 29.9





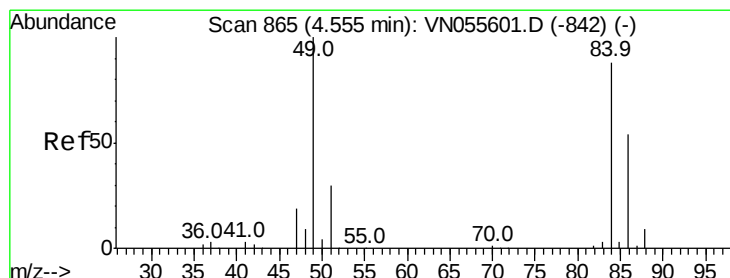
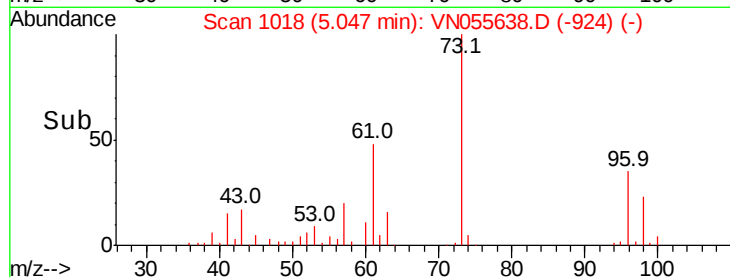
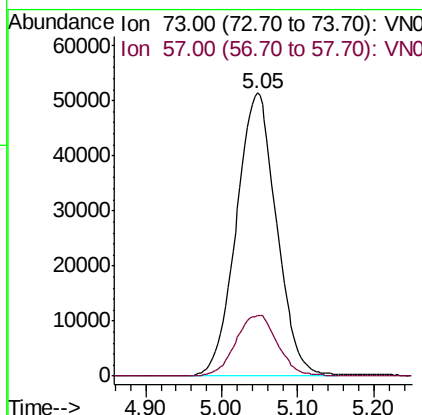
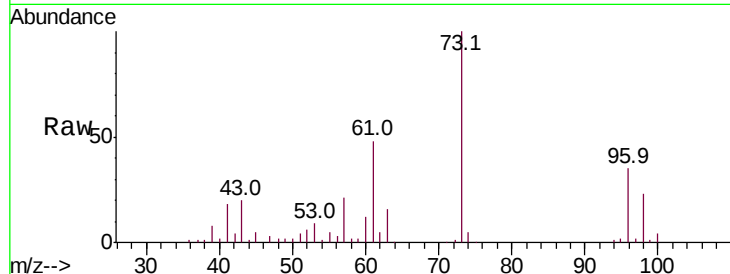
#19
Methvl tert-butvl Ether
Concen: 19.641 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion: 73 Resp: 188808
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2

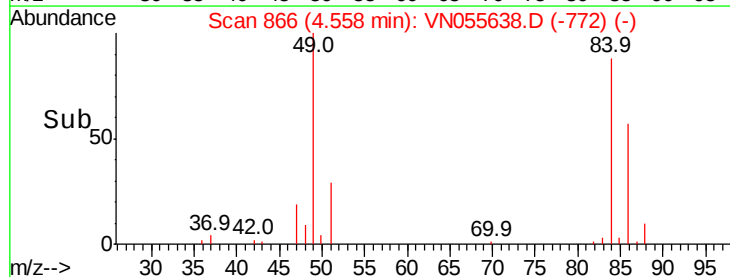
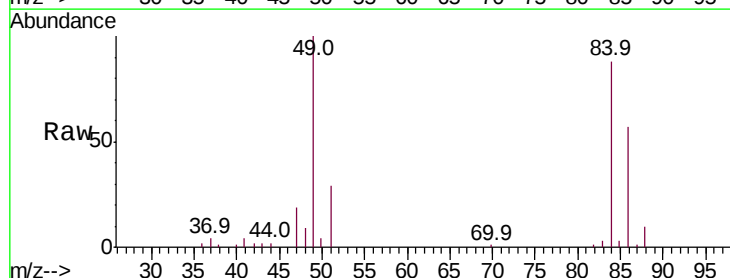
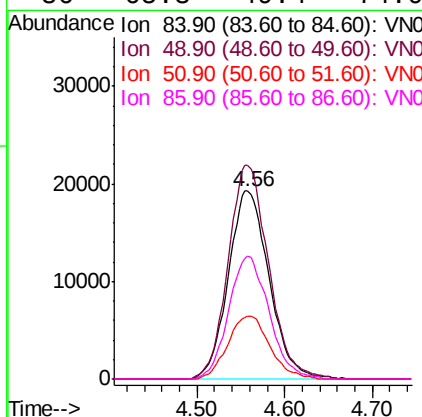
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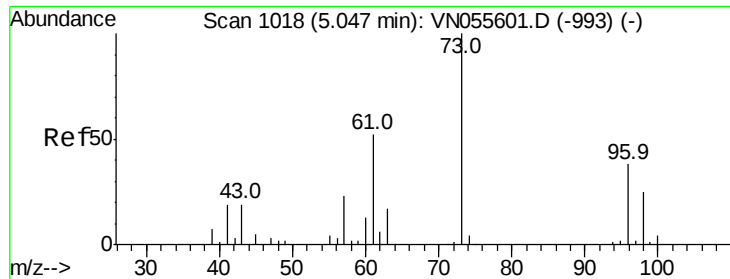
MMDadoda
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#20
Methylene Chloride
Concen: 19.229 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 84 Resp: 62464
Ion Ratio Lower Upper
84 100
49 113.6 91.0 136.4
51 33.4 27.5 41.3
86 65.3 49.4 74.0





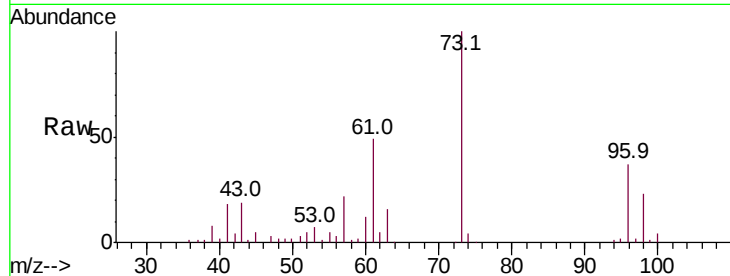
#21
trans-1,2-Dichloroethene
Concen: 19.073 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	108.6	162.8
98	62.8	51.4	77.0

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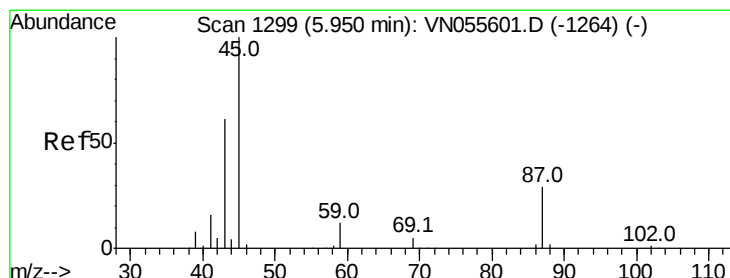
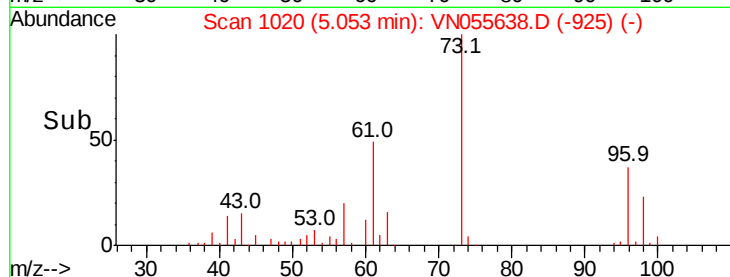
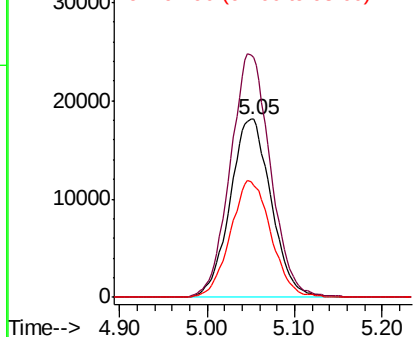


Abundance

Ion 95.90 (95.60 to 96.60): VN055638.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN055638.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN055638.D (-1206) (-)



#22
Diisopropyl ether
Concen: 18.922 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	50.4	75.6
87	29.9	23.8	35.6
59	11.8	9.5	14.3

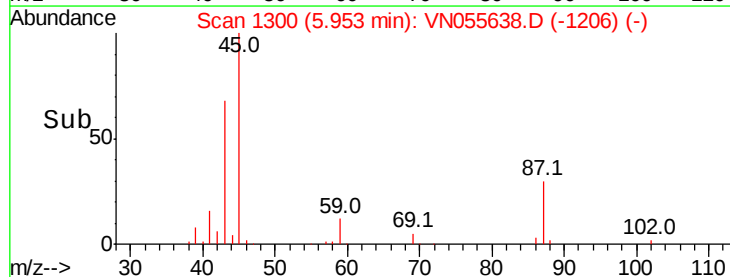
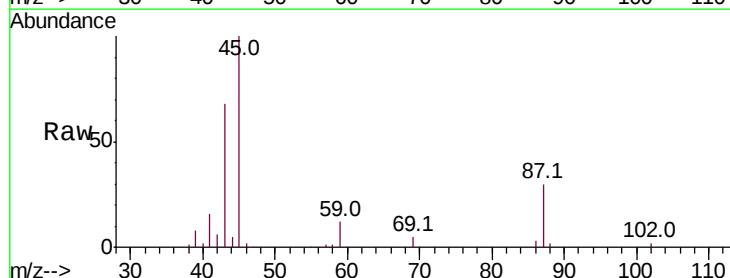
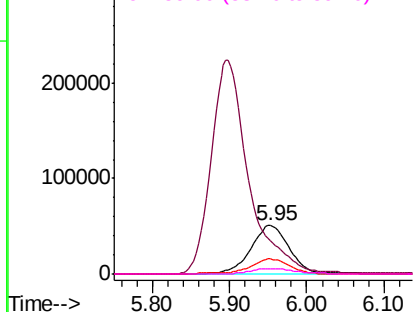
Abundance

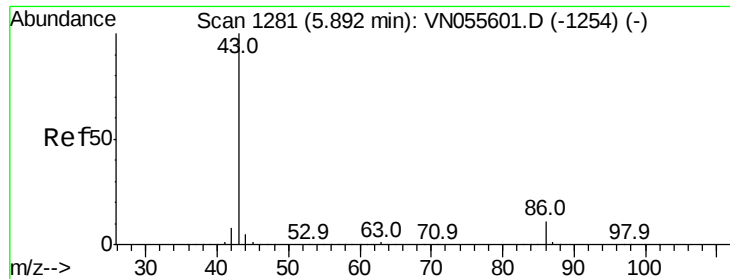
Ion 45.00 (44.70 to 45.70): VN055638.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN055638.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN055638.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN055638.D (-1206) (-)





#23

Vinyl Acetate

Concen: 96.490 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 43 Resp: 761051

Ion Ratio Lower Upper

43 100

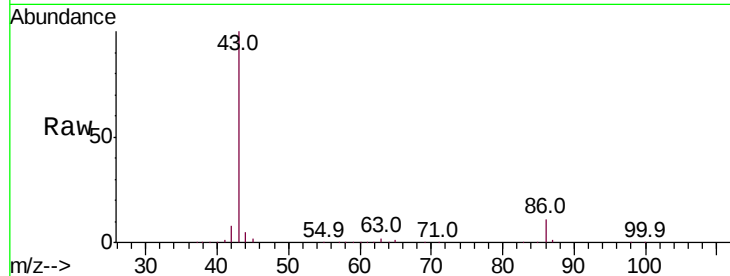
86 11.4 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

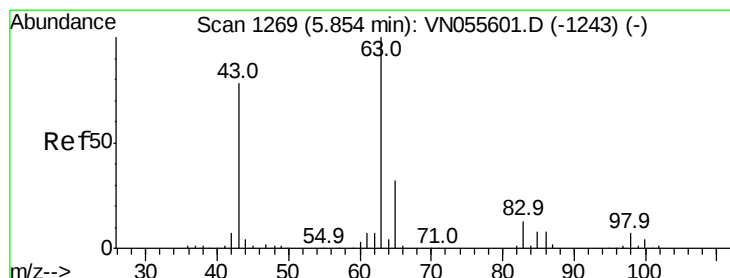
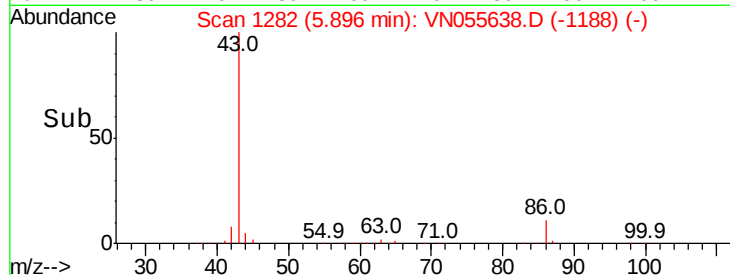
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.417 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

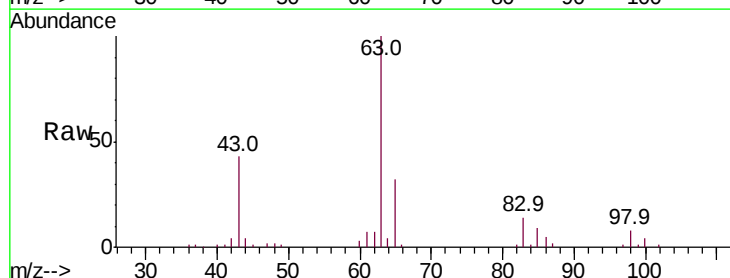
Tgt Ion: 63 Resp: 105827

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 4.4 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

40000

30000

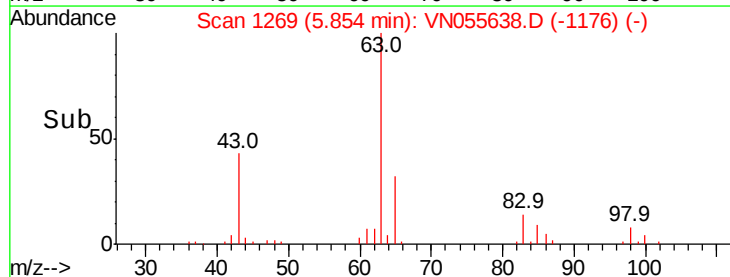
20000

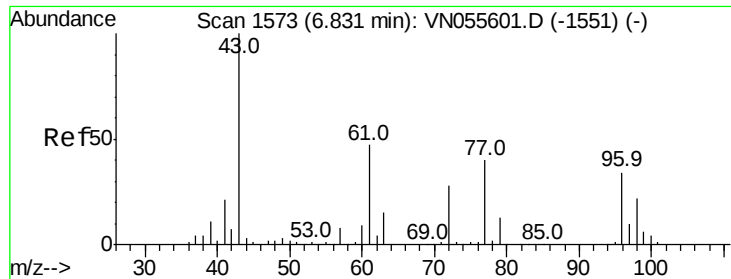
10000

0

5.70 5.80 5.90 6.00

Time-->





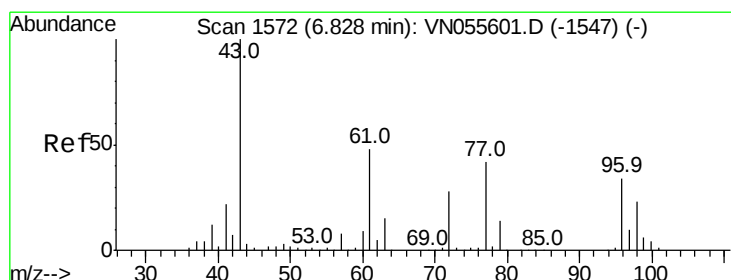
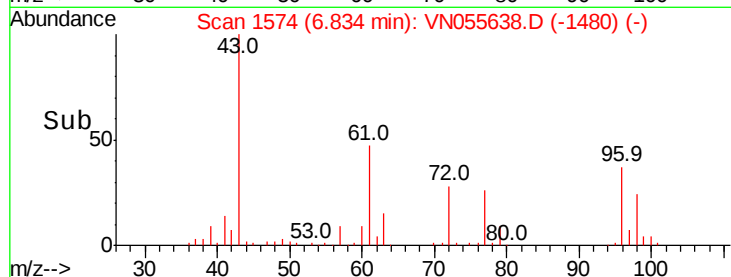
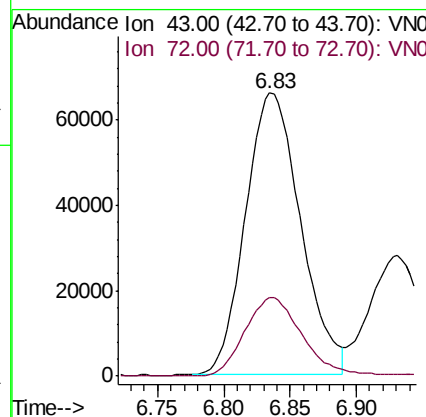
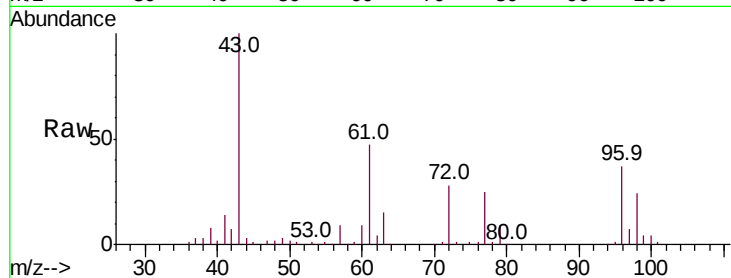
#25
2-Butanone
Concen: 96.142 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion: 43 Resp: 191340
Ion Ratio Lower Upper
43 100
72 28.0 22.3 33.5

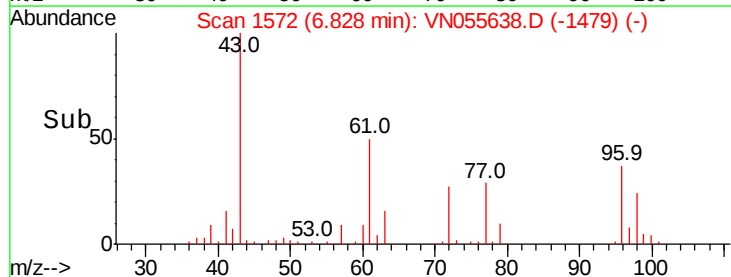
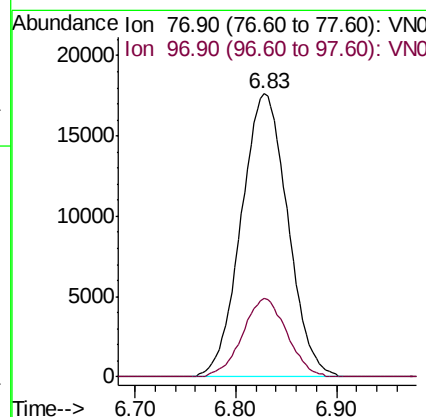
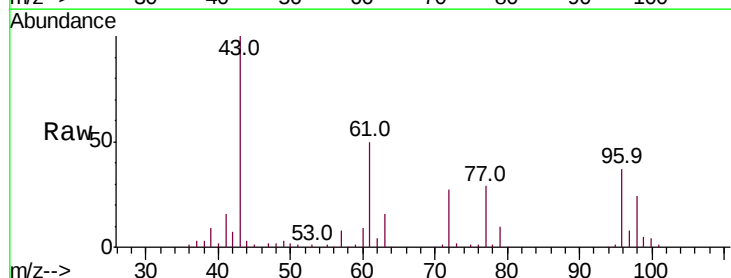
Manual Integrations
APPROVED

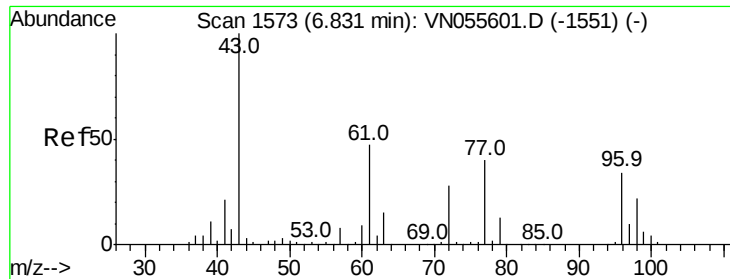
MMDadoda
5/20/2019 9:08:16 AM



#26
2,2-Dichloropropane
Concen: 11.677 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 77 Resp: 56485
Ion Ratio Lower Upper
77 100
97 26.4 12.0 36.0





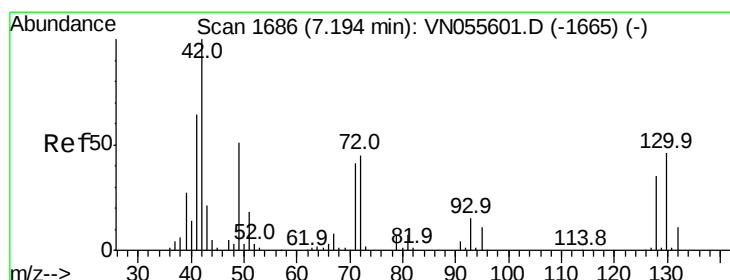
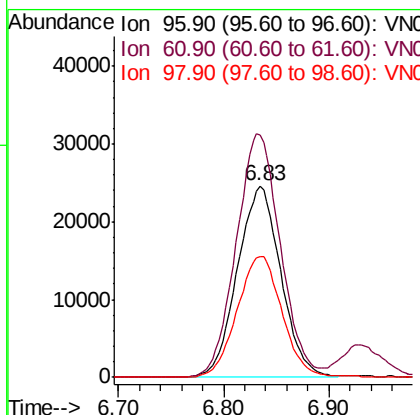
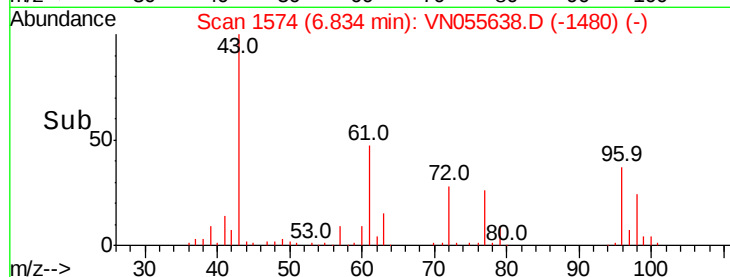
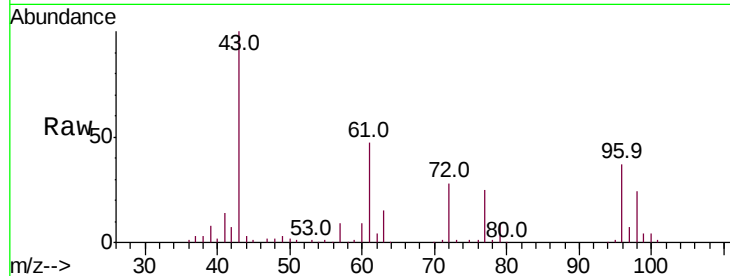
#27
 cis-1,2-Dichloroethene
 Concen: 19.539 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	279.0
98	65.3	0.0	131.6

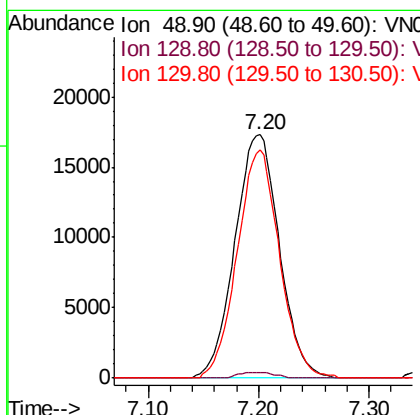
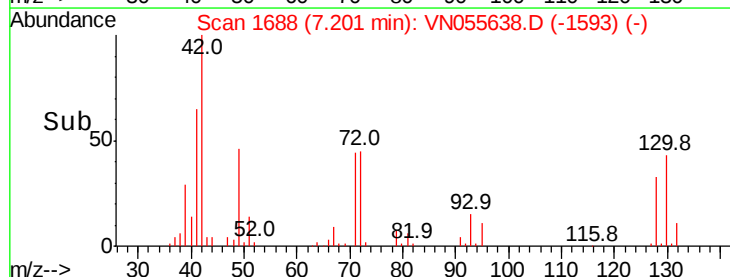
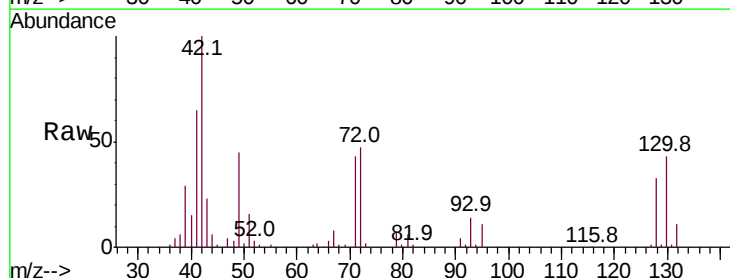
Manual Integrations
 APPROVED

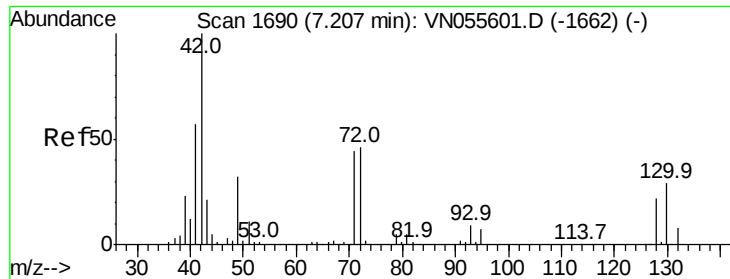
MMDadoda
 5/20/2019 9:08:16 AM



#28
 Bromochloromethane
 Concen: 20.434 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

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





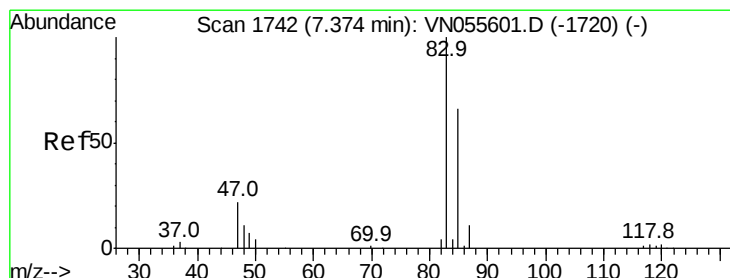
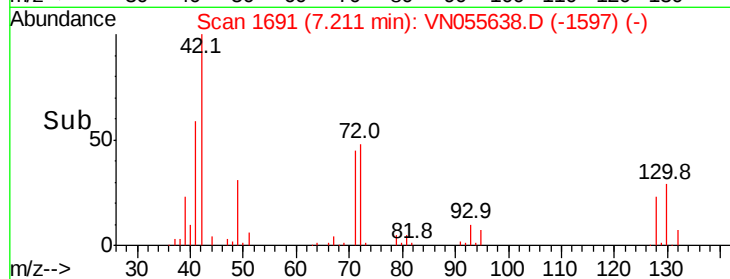
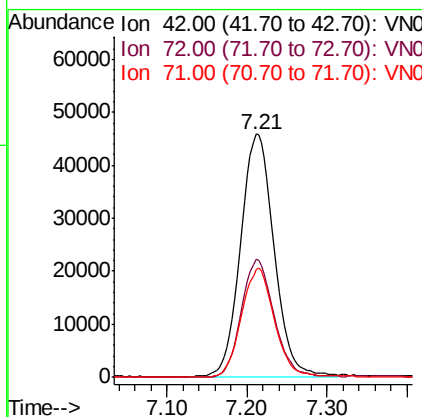
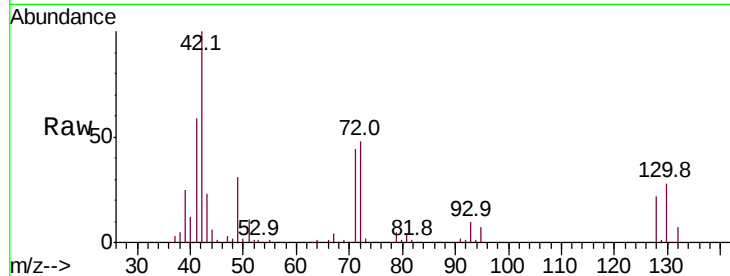
#29
Tetrahydrofuran
Concen: 99.403 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.5	54.7
71	44.2	34.9	52.3

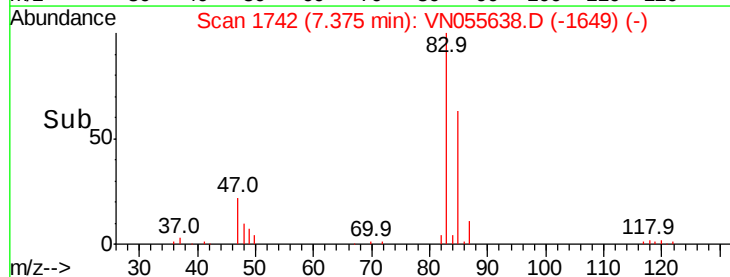
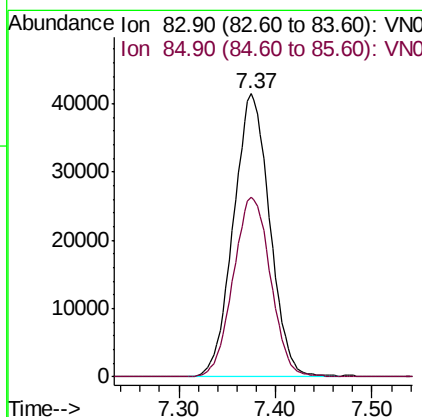
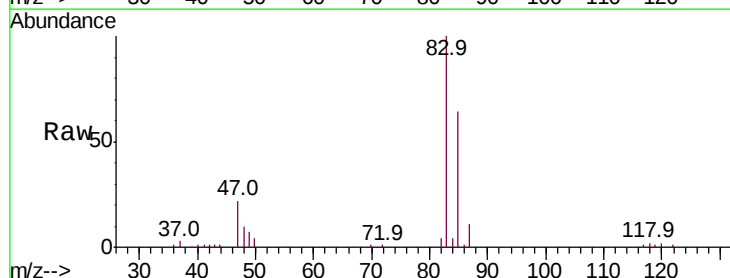
Manual Integrations
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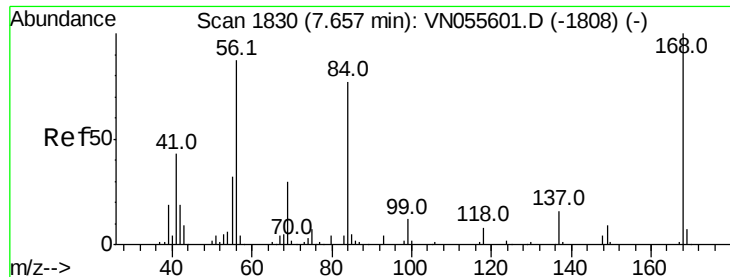
MMDadoda
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#30
Chloroform
Concen: 19.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8





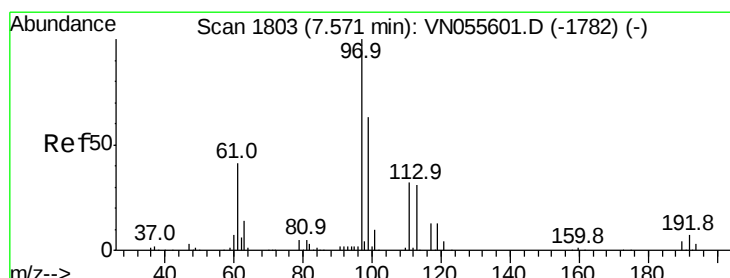
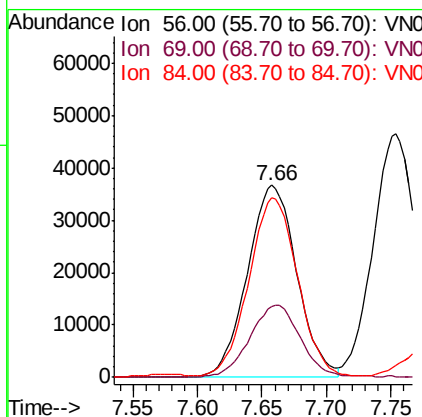
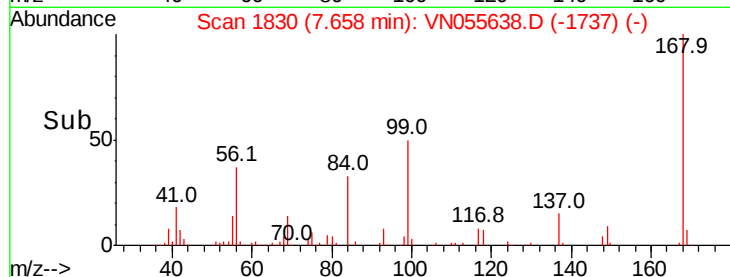
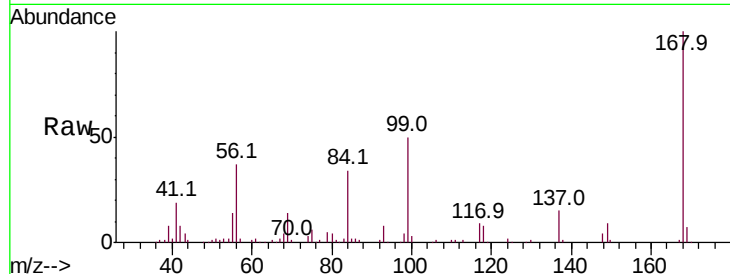
#31
Cyclohexane
Concen: 18.967 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	27.2	40.8
84	92.2	71.3	106.9

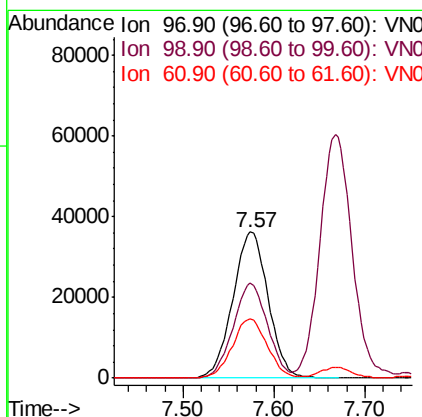
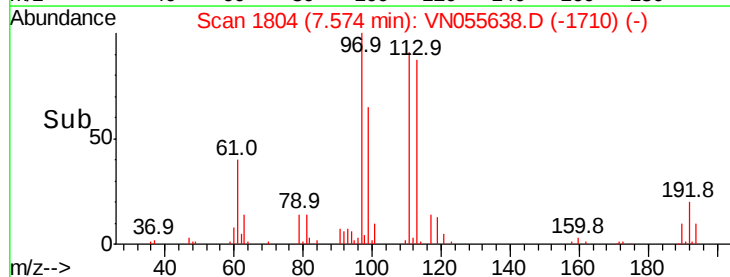
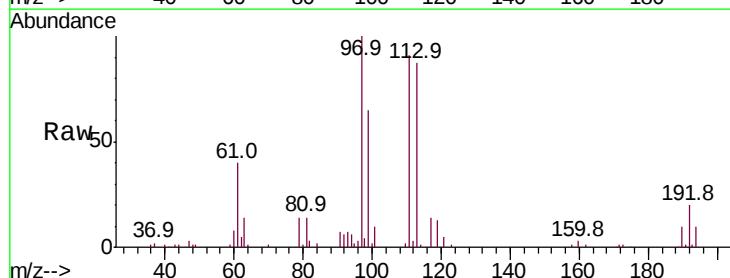
Manual Integrations
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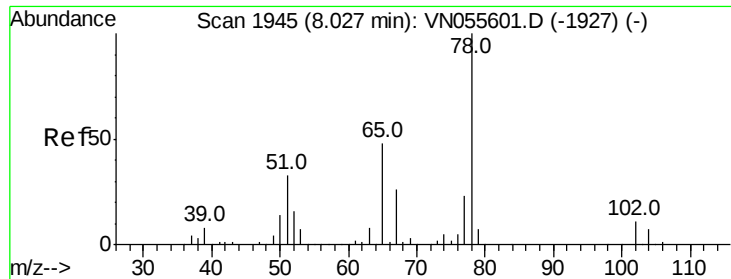
MMDadoda
5/20/2019 9:08:16 AM



#32
1,1,1-Trichloroethane
Concen: 19.431 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.2
61	39.9	32.9	49.3





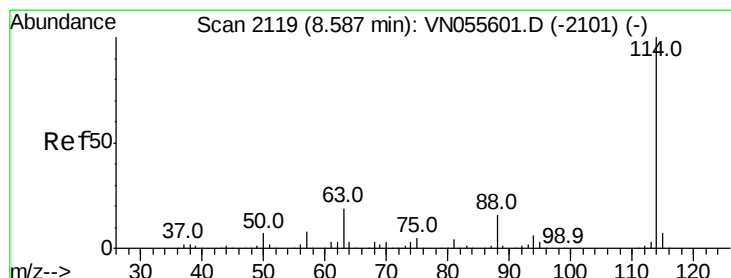
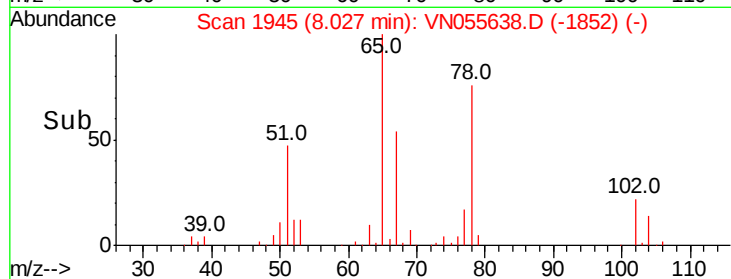
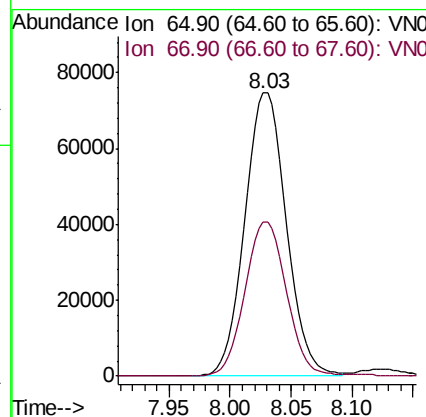
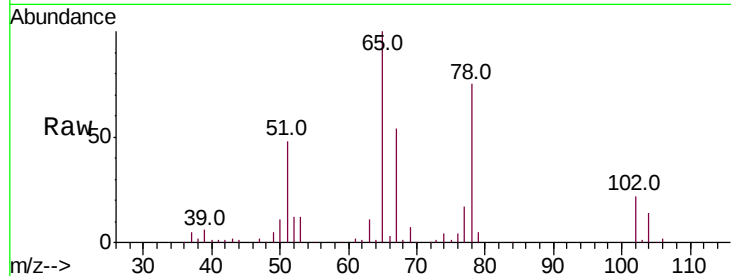
#33
 1,2-Dichloroethane-d4
 Concen: 50.383 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	108.6	

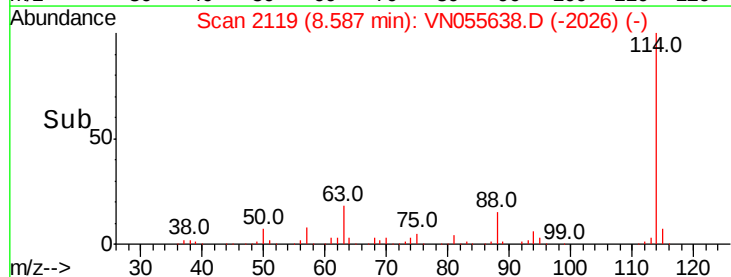
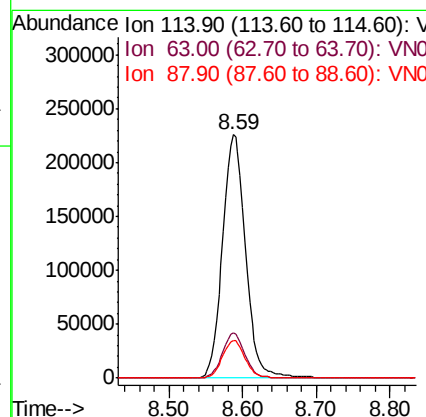
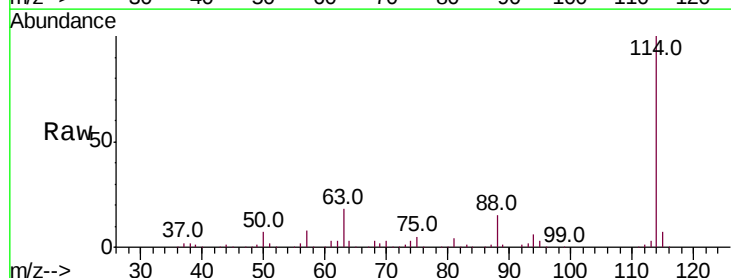
Manual Integrations
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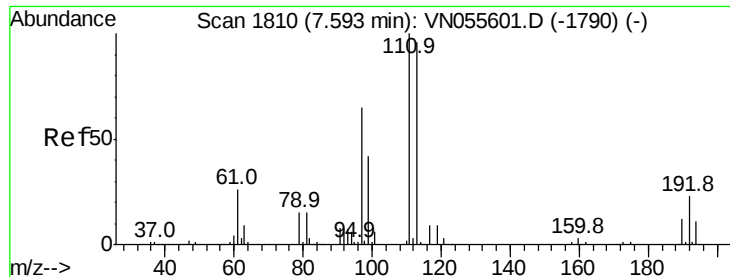
MMDadoda
 5/20/2019 9:08:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	38.2	
88	15.4	0.0	31.0	





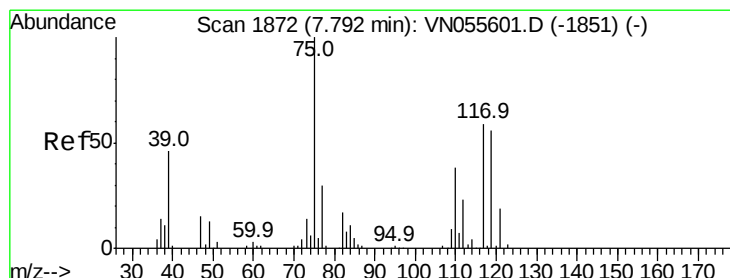
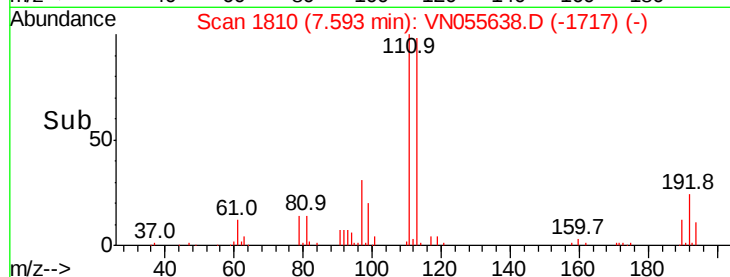
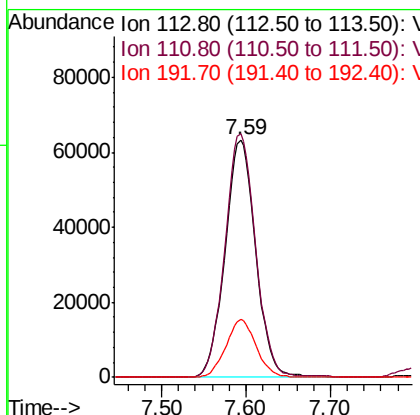
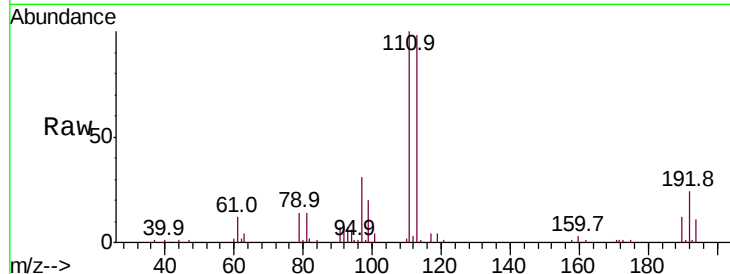
#35
 Dibromofluoromethane
 Concen: 51.080 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159414		
111	103.2	82.5	123.7	
192	23.9	18.7	28.1	

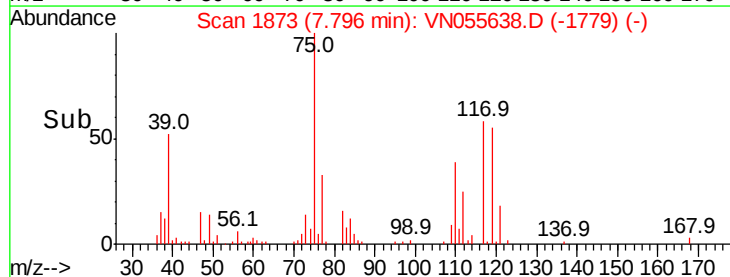
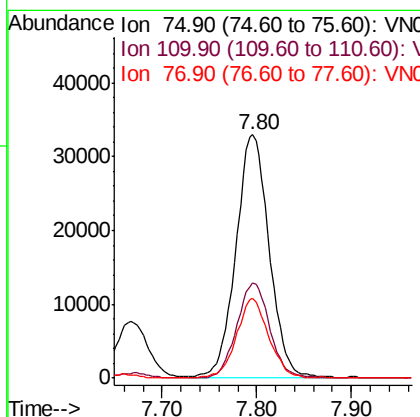
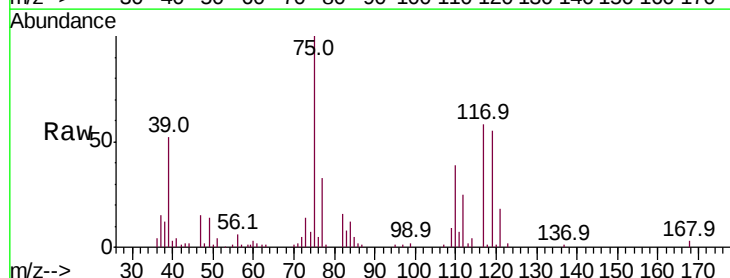
Manual Integrations
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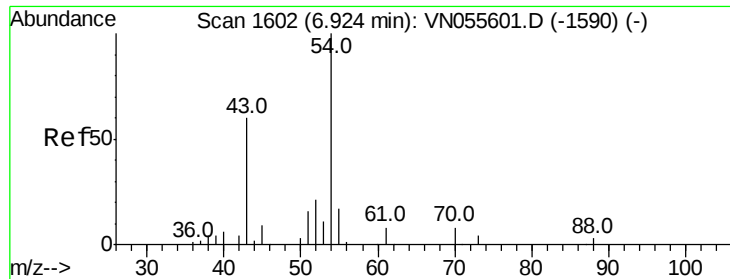
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#36
 1,1-Dichloropropene
 Concen: 18.513 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81090		
110	38.4	18.6	55.6	
77	31.4	24.9	37.3	





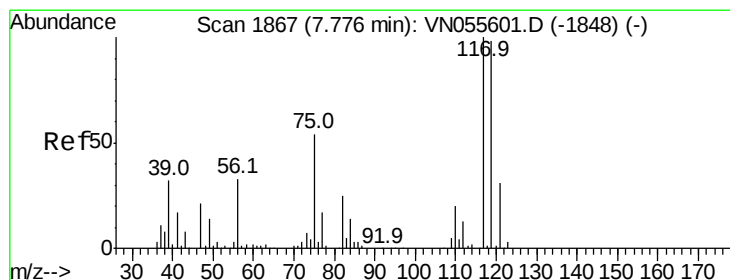
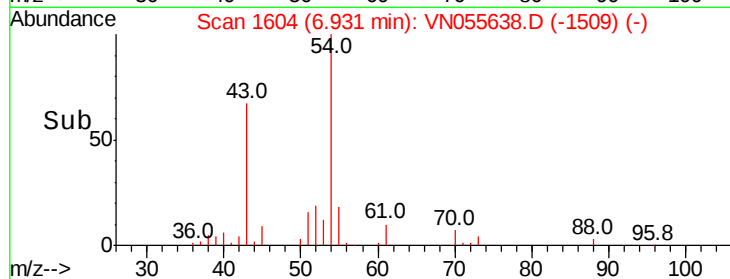
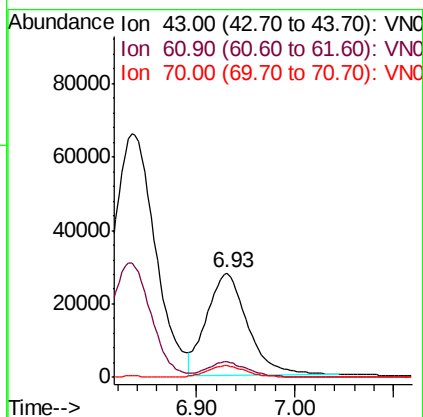
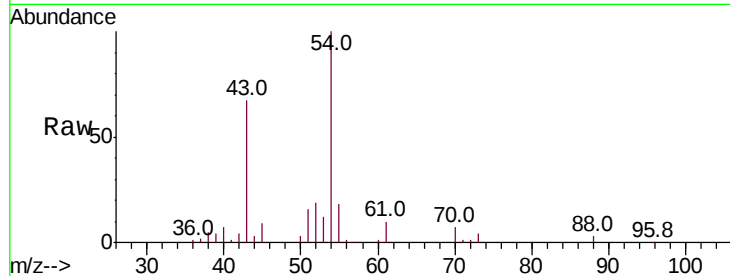
#37
Ethyl Acetate
Concen: 20.292 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	43	Ratio	100	Resp:	80204
Ion	43	100		Lower	Upper
	61	15.4		11.4	17.0
	70	11.1		9.2	13.8

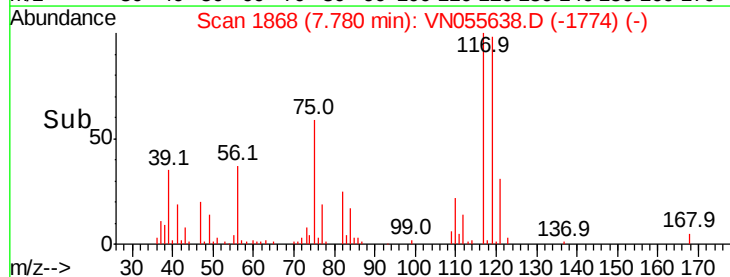
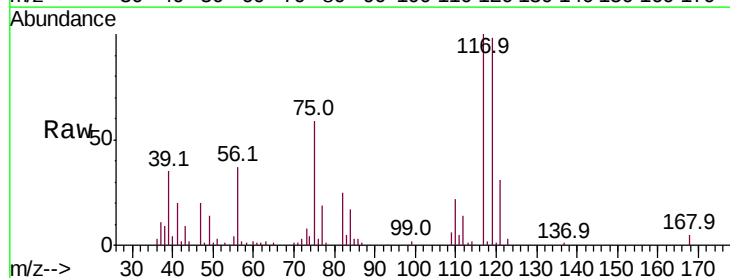
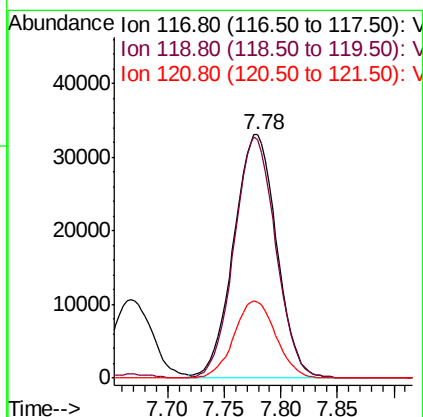
Manual Integrations
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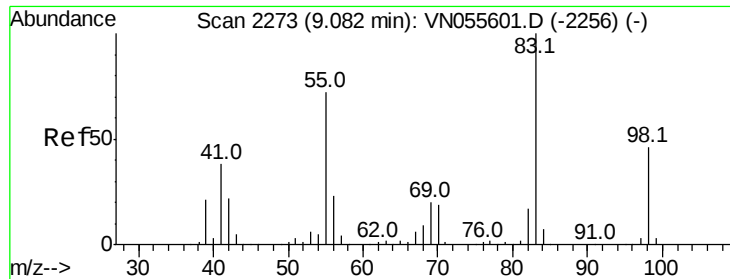
MMDadoda
5/20/2019 9:08:16 AM



#38
Carbon Tetrachloride
Concen: 18.689 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	117	Ratio	100	Resp:	87476
Ion	117	100		Lower	Upper
	119	97.8		77.8	116.8
	121	31.0		24.6	37.0





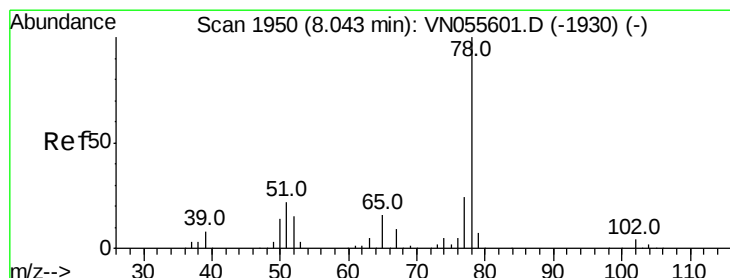
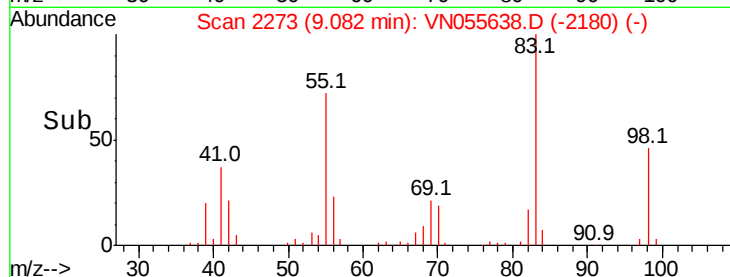
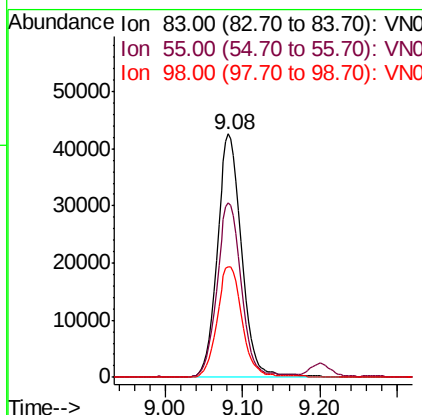
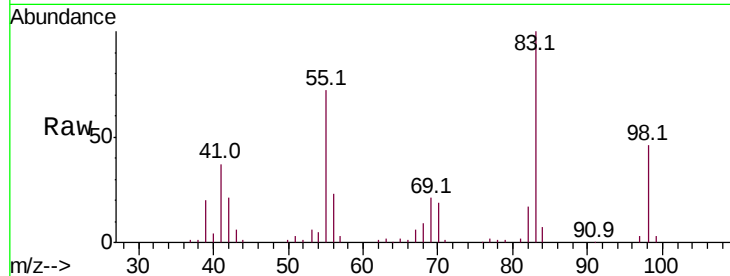
#39
Methvlcvclohexane
Concen: 17.716 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	83	Resp	93544
Ion Ratio	100	Lower	Upper
83	100		
55	71.4	57.8	86.6
98	45.6	36.7	55.1

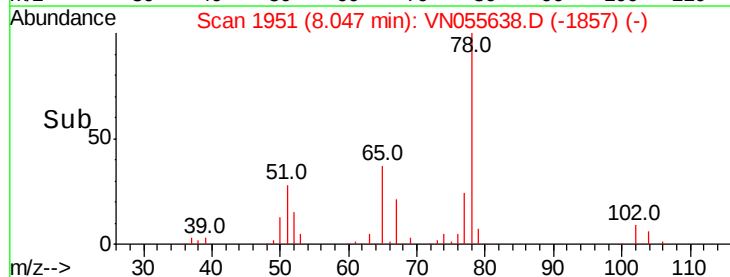
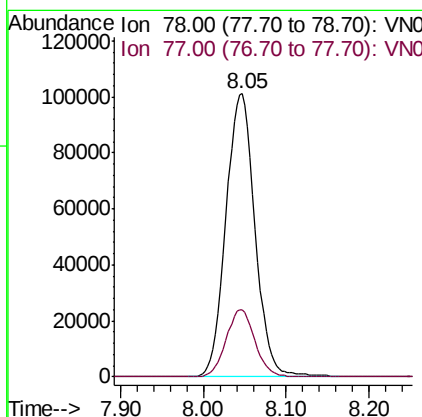
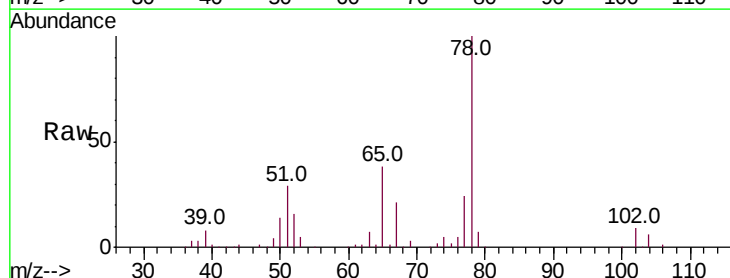
Manual Integrations
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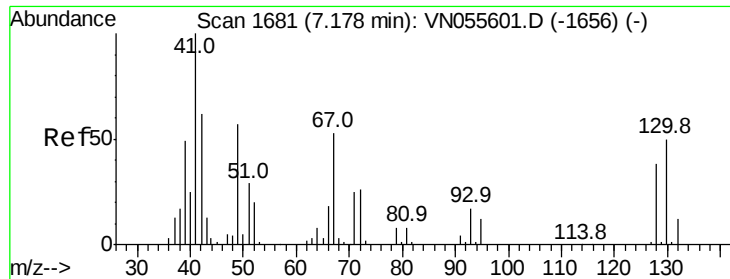
MMDadoda
5/20/2019 9:08:16 AM



#40
Benzene
Concen: 19.164 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	78	Resp	246901
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.9	28.3





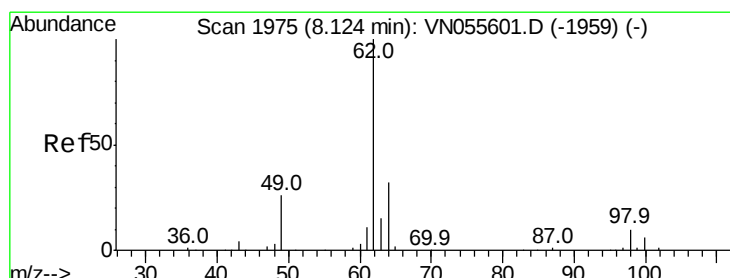
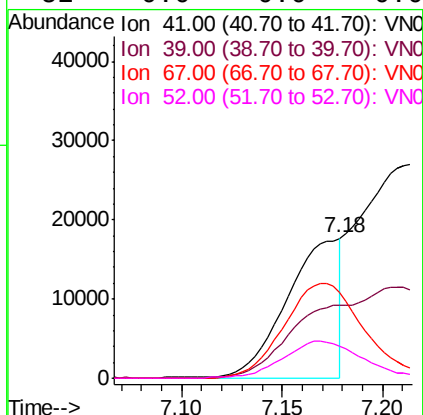
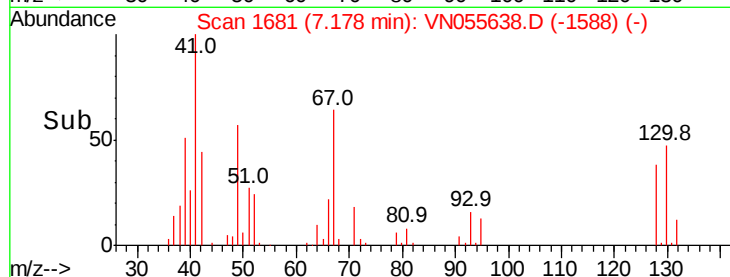
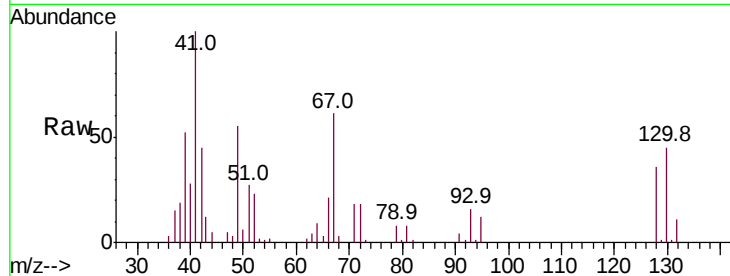
#41
Methacrylonitrile
Concen: 19.401 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	163.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

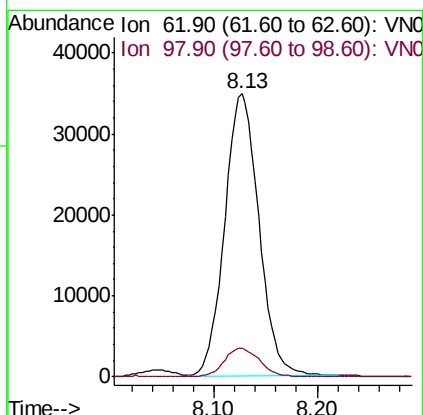
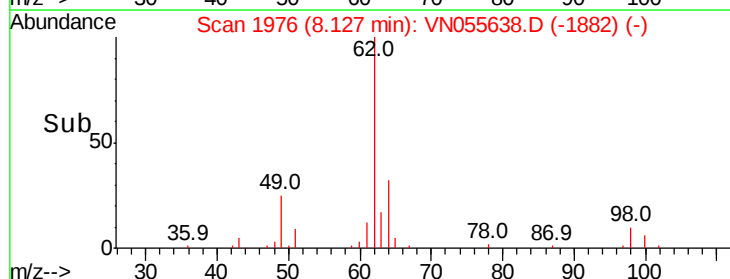
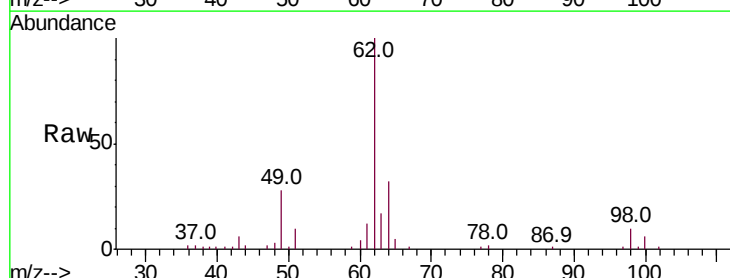
Manual Integrations
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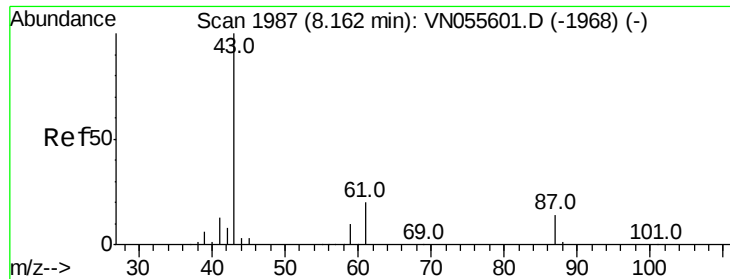
MMDadoda
5/20/2019 9:08:16 AM



#42
1,2-Dichloroethane
Concen: 19.367 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.219 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

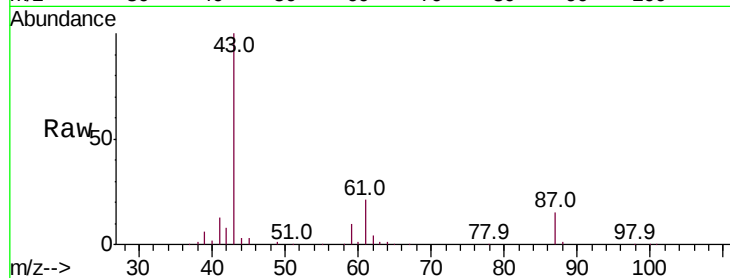
ClientSampleId :

VN0517WBS02

Tot Ion:	43	Resp:	132136
Ion	Ratio	Lower	Upper
43	100		
61	28.4	22.1	33.1
87	14.7	11.8	17.6

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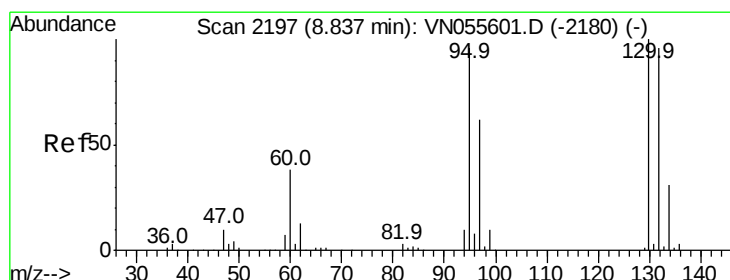
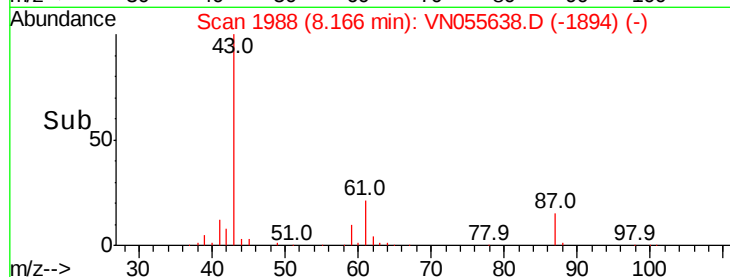
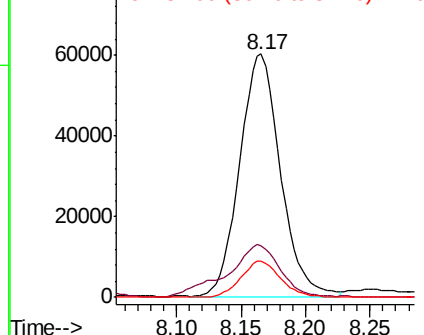


Abundance

Ion 43.00 (42.70 to 43.70): VN055601.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055601.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055601.D (-1968) (-)



#44

Trichloroethene

Concen: 19.504 ug/l

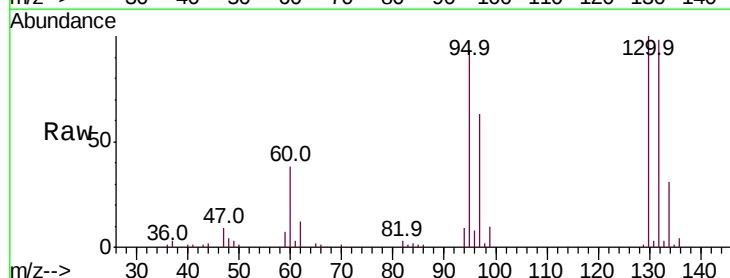
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

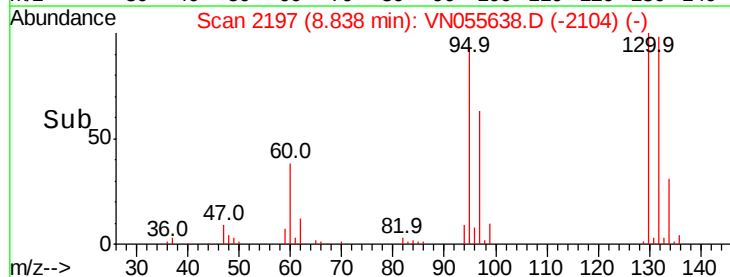
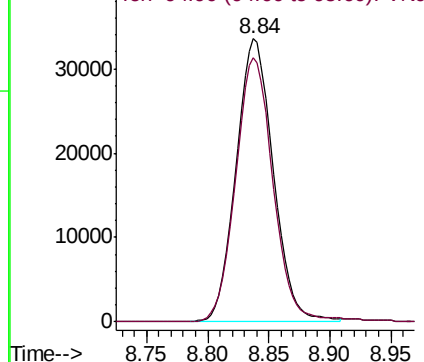
Tgt Ion:	130	Resp:	70904
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	191.0

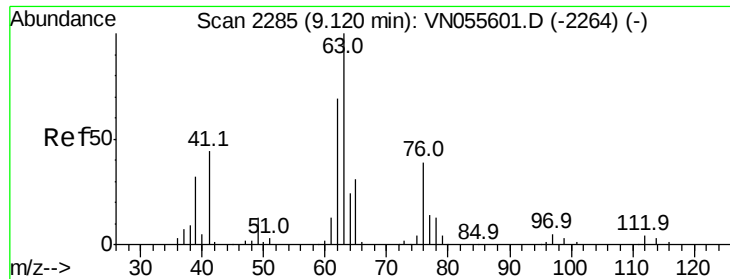


Abundance

Ion 129.80 (129.50 to 130.50): VN055601.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055601.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.138 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 63 Resp: 64956

Ion Ratio Lower Upper

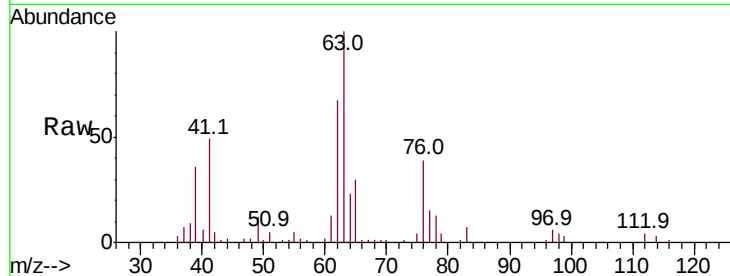
63 100

65 29.5 25.2 37.8

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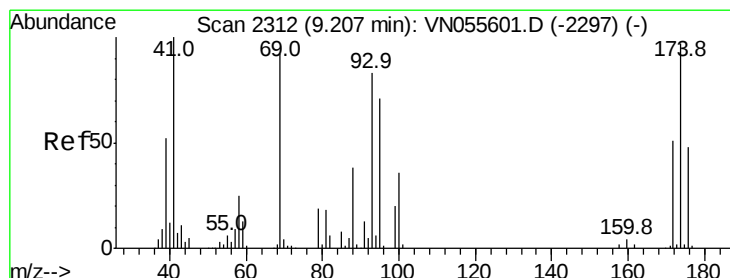
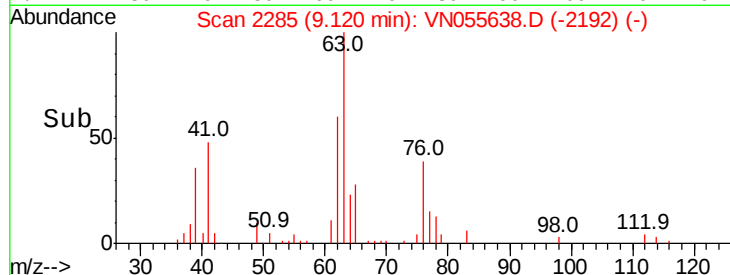
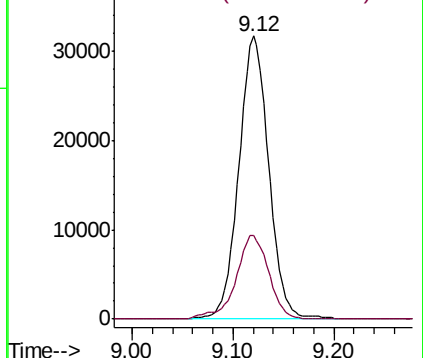
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.681 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

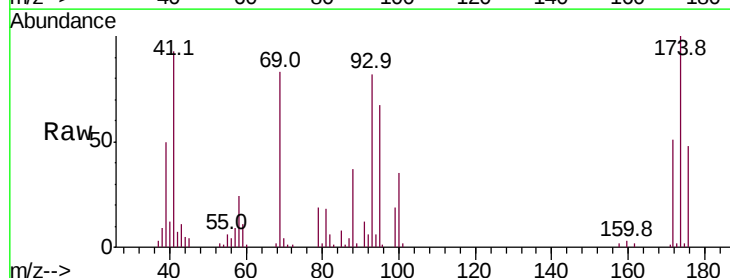
Tgt Ion: 93 Resp: 43719

Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

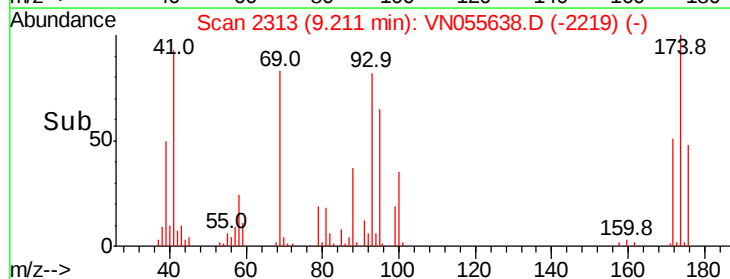
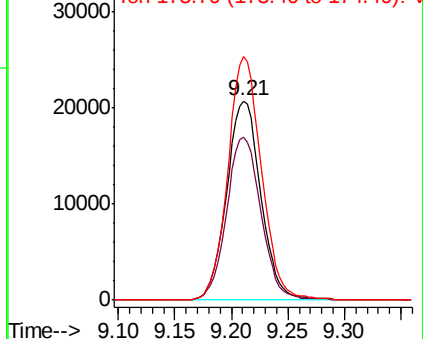
174 120.0 93.8 140.6

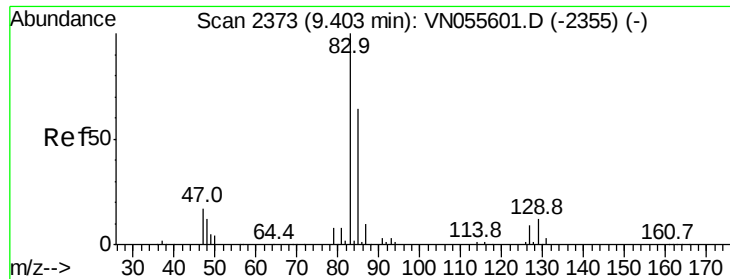


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.981 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

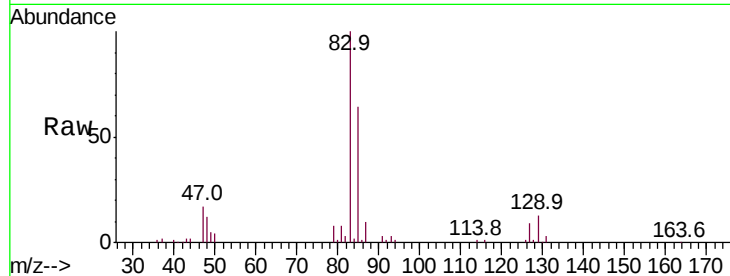
ClientSampleId :

VN0517WBS02

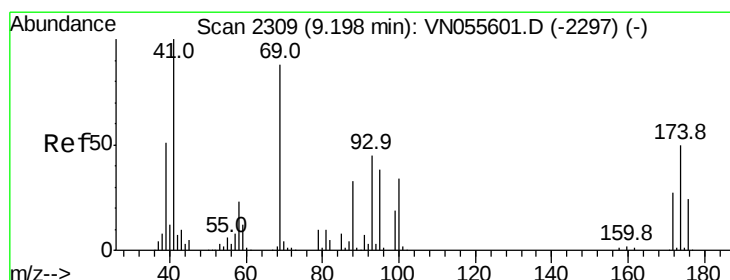
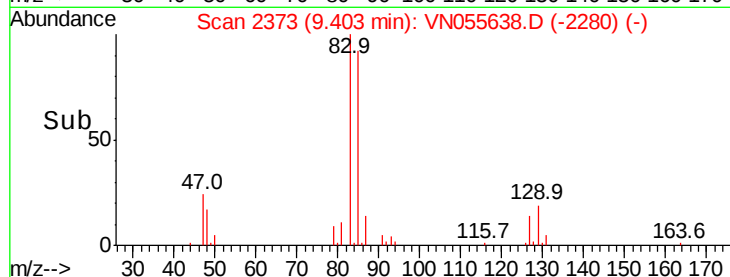
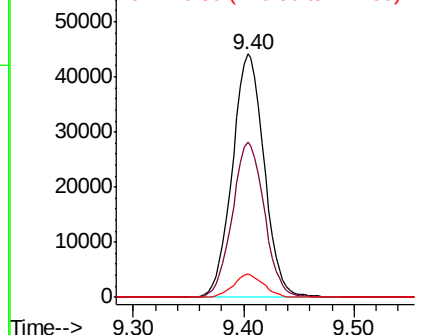
Tot Ion:	83	Resp:	88371
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0
127	9.5	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN055638.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.298 ug/l

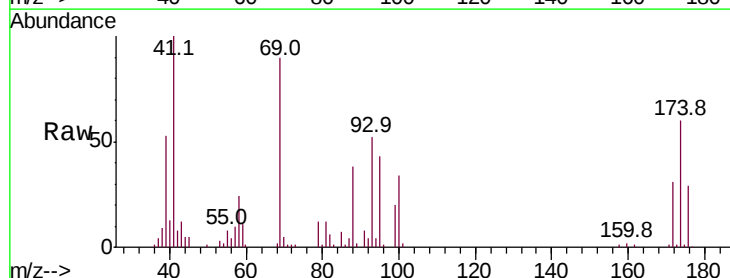
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

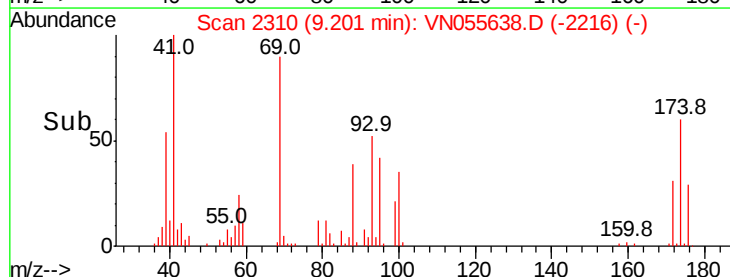
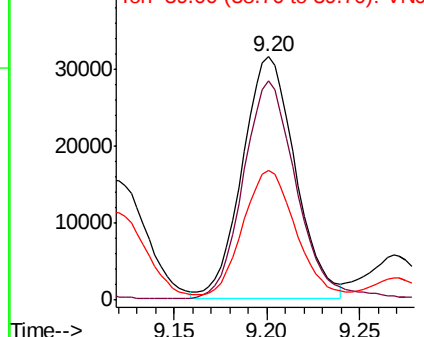
Lab File: VN055638.D

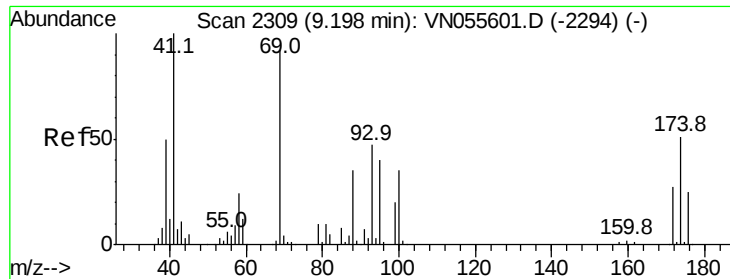
Acq: 18 May 2019 3:22

Tgt Ion:	41	Resp:	62378
Ion Ratio	Lower	Upper	
41	100		
69	91.3	74.2	111.2
39	55.3	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN055638.D (-2216) (-)





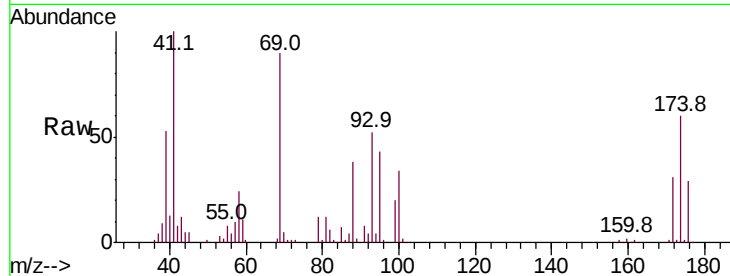
#49
1,4-Dioxane
Concen: 431.854 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

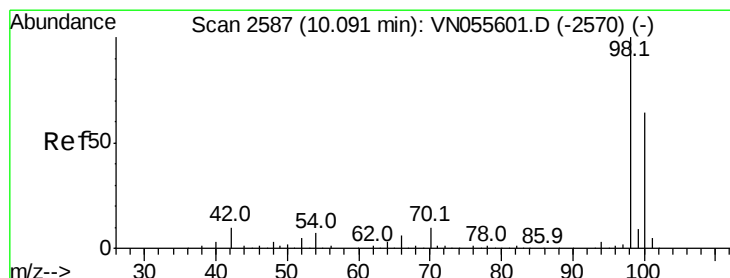
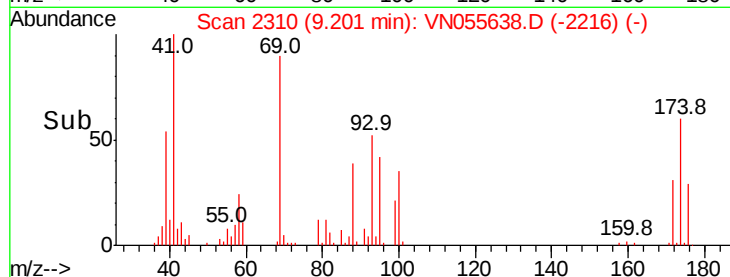
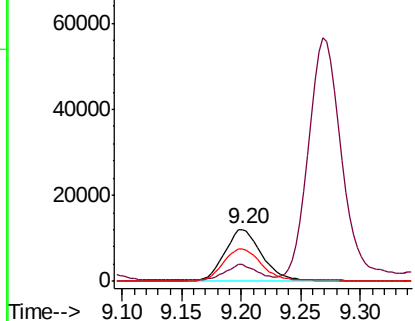
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.4	33.6
58	66.3	53.4	80.2

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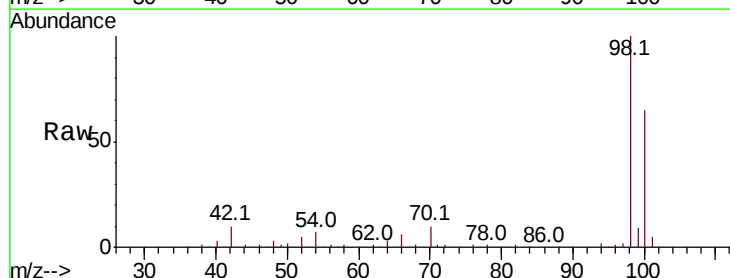


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

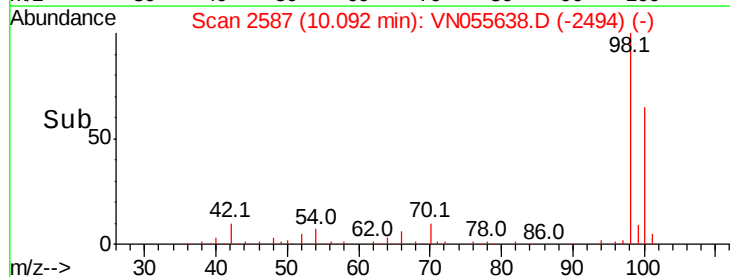
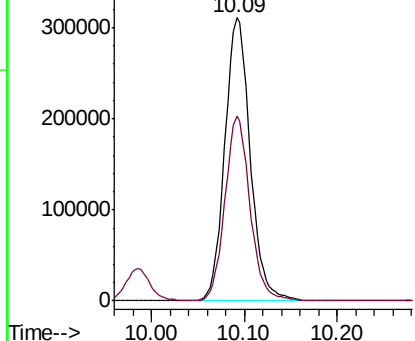


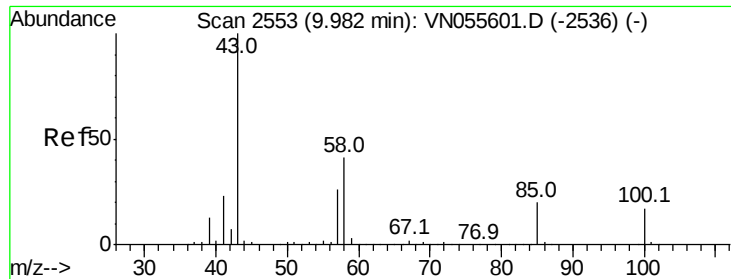
#50
Toluene-d8
Concen: 50.052 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	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: 97.601 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 43 Resp: 393627

Ion Ratio Lower Upper

43 100

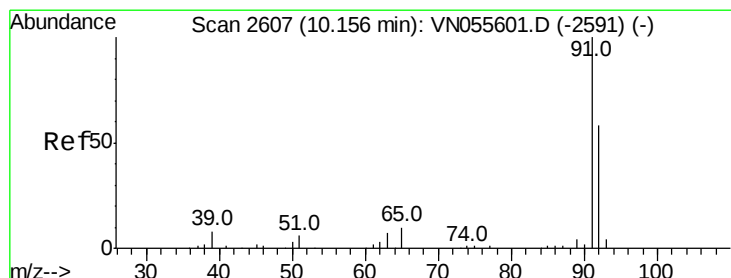
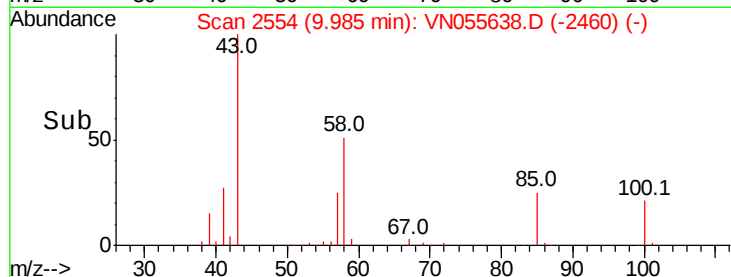
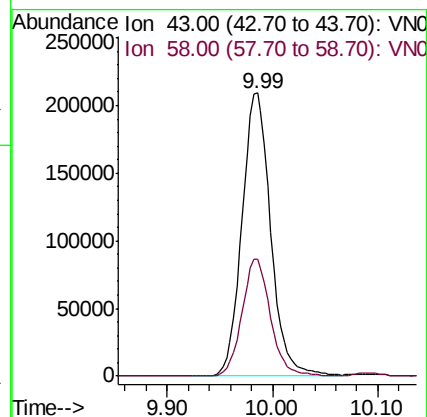
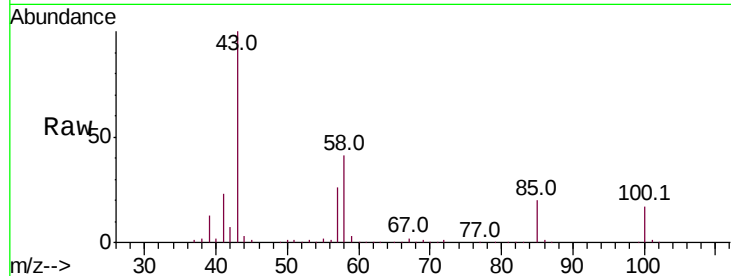
58 41.0 32.7 49.1

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#52

Toluene

Concen: 19.243 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055638.D

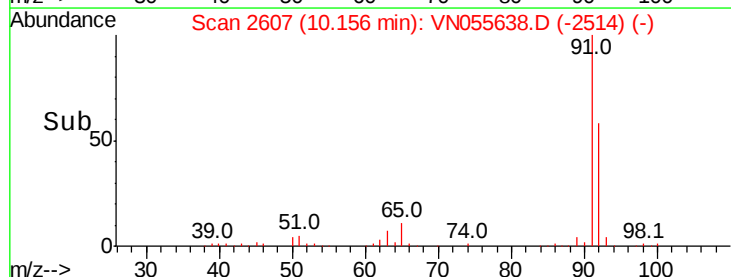
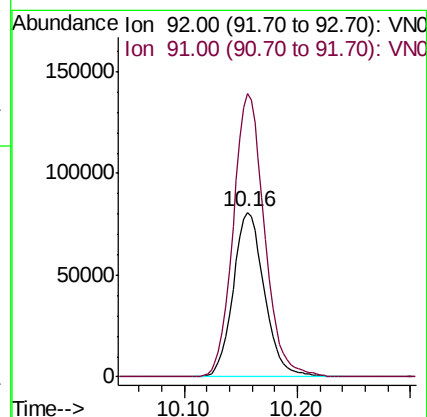
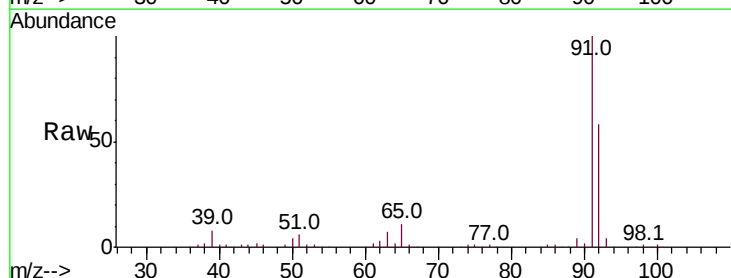
Acq: 18 May 2019 3:22

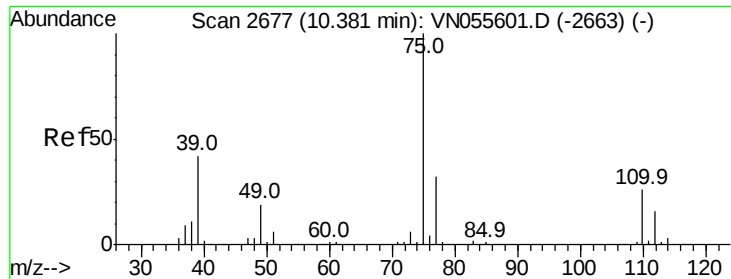
Tgt Ion: 92 Resp: 155494

Ion Ratio Lower Upper

92 100

91 172.3 138.9 208.3





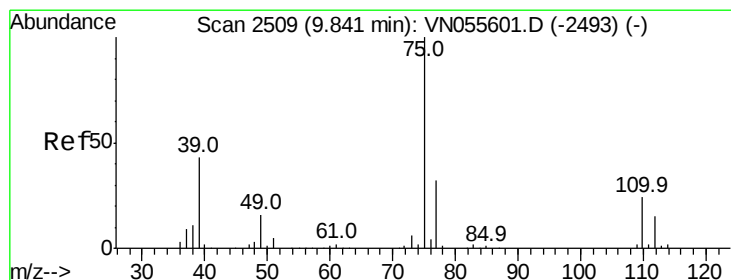
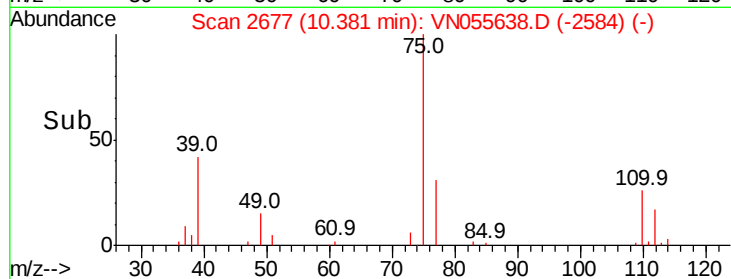
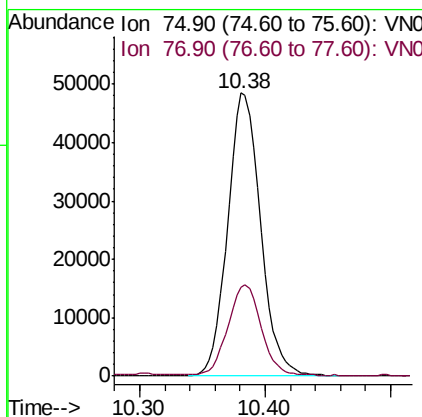
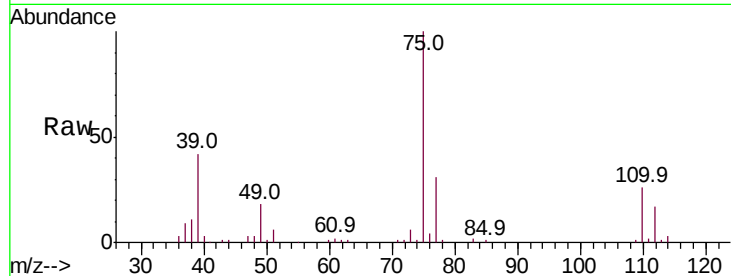
#53
 t-1,3-Dichloropropene
 Concen: 17.629 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion: 75 Resp: 88335
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.2

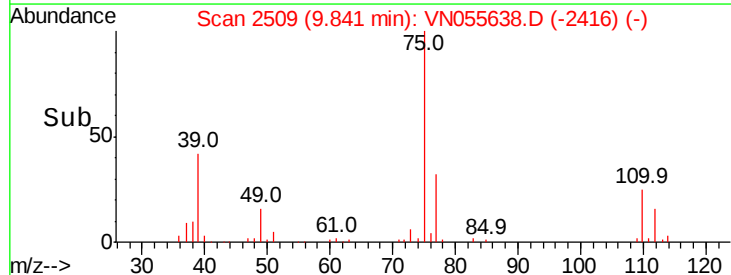
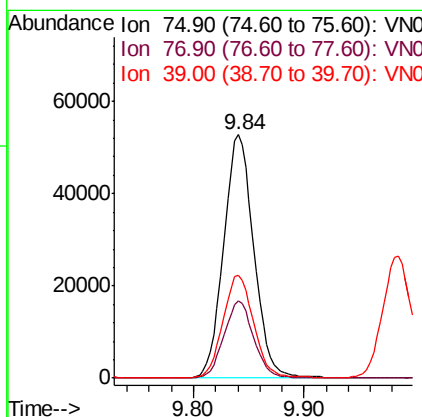
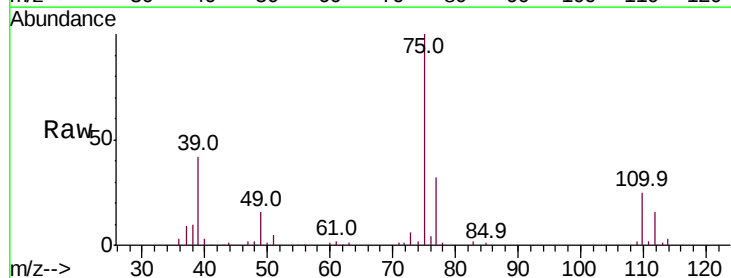
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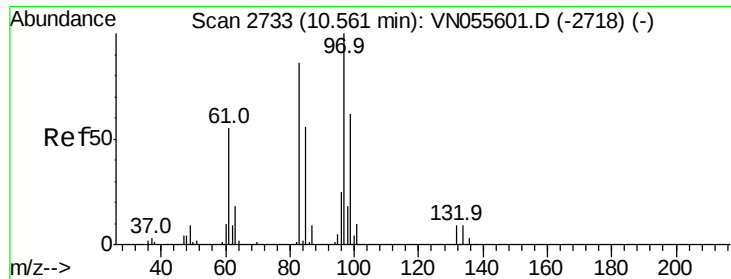
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#54
 cis-1,3-Dichloropropene
 Concen: 18.247 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 75 Resp: 100165
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5
 39 42.3 34.7 52.1





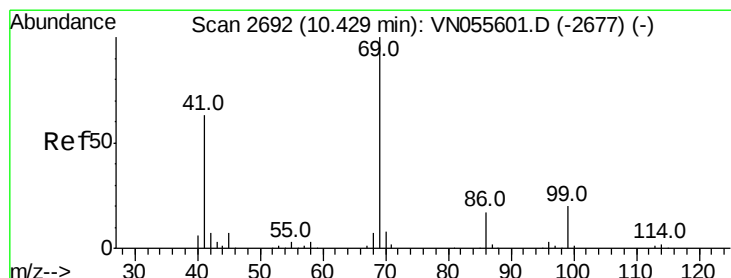
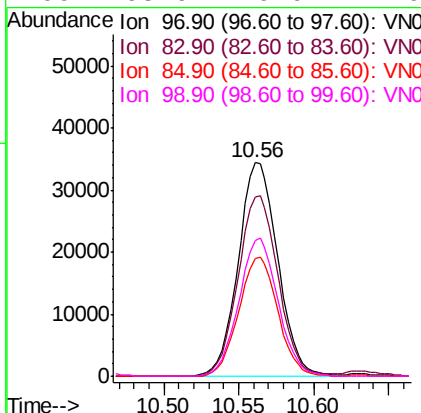
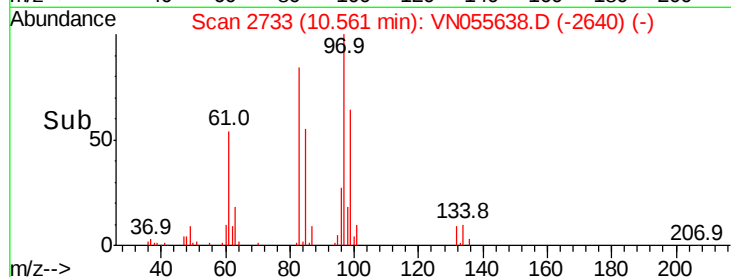
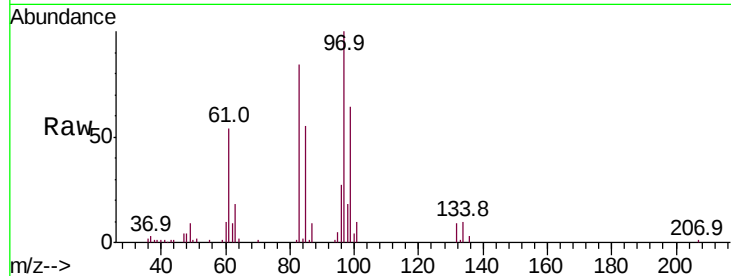
#55
 1,1,2-Trichloroethane
 Concen: 19.036 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	97	Resp	63325
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.4	102.6
85	55.0	44.8	67.2
99	63.6	49.9	74.9

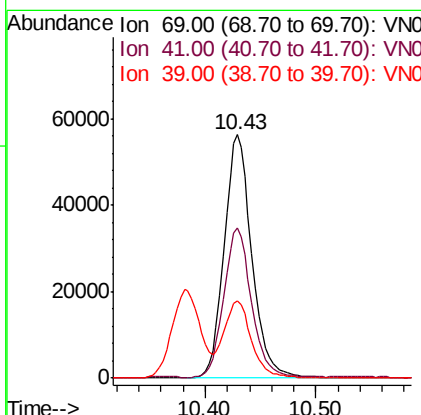
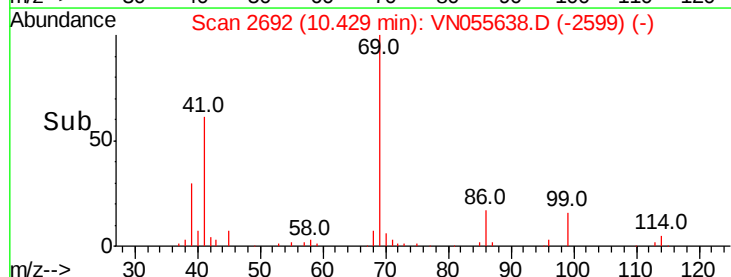
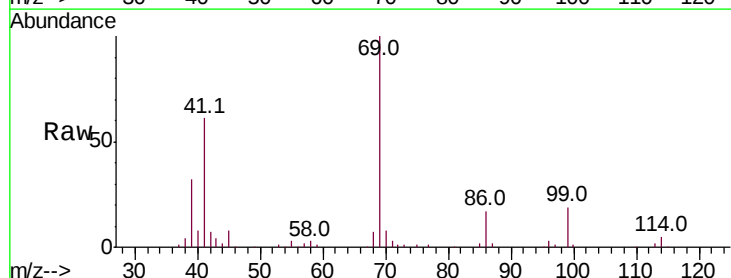
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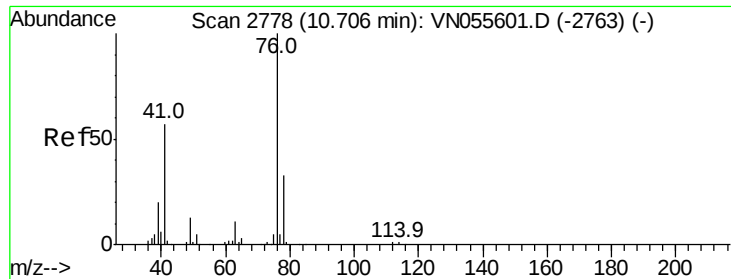
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#56
 Ethyl methacrylate
 Concen: 18.814 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	69	Resp	97702
Ion	Ratio	Lower	Upper
69	100		
41	61.3	50.3	75.5
39	32.2	25.4	38.2





#57

1,3-Dichloropropane

Concen: 19.136 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 76 Resp: 100823

Ion Ratio Lower Upper

76 100

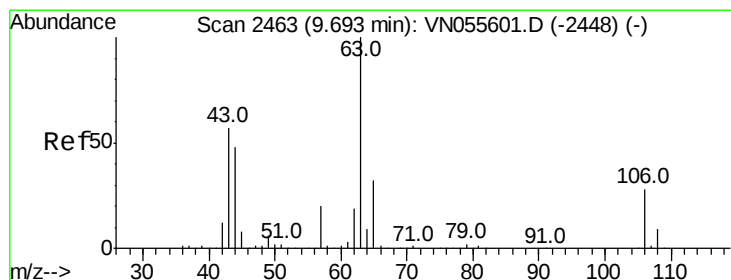
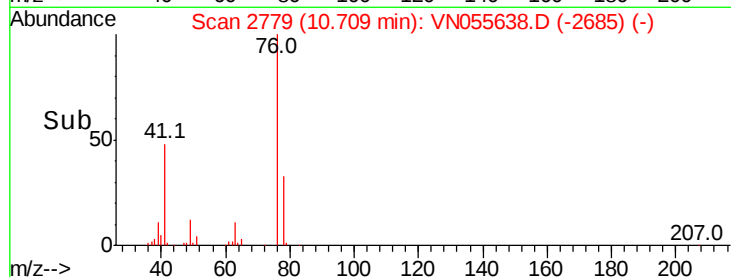
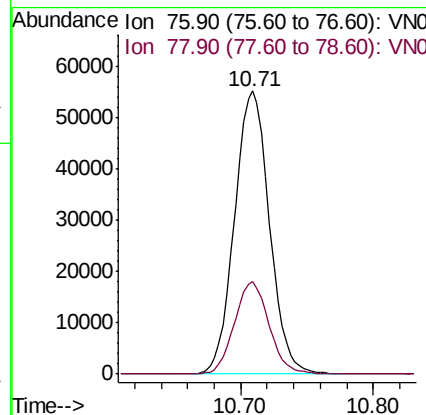
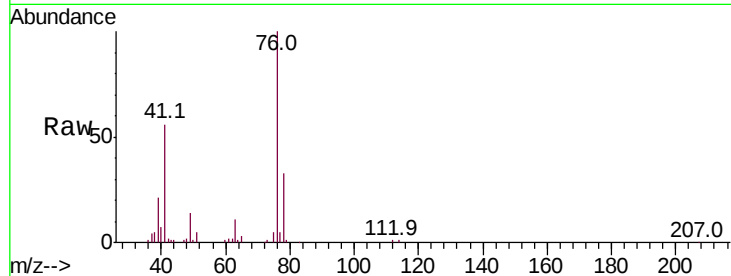
78 32.4 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 94.568 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055638.D

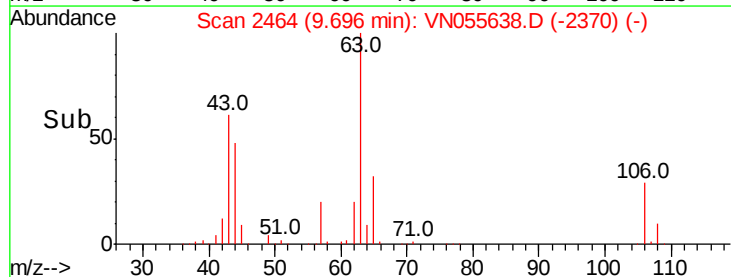
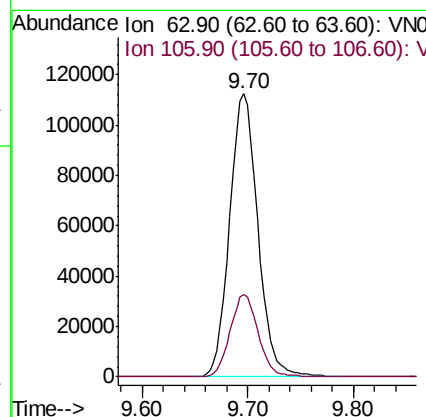
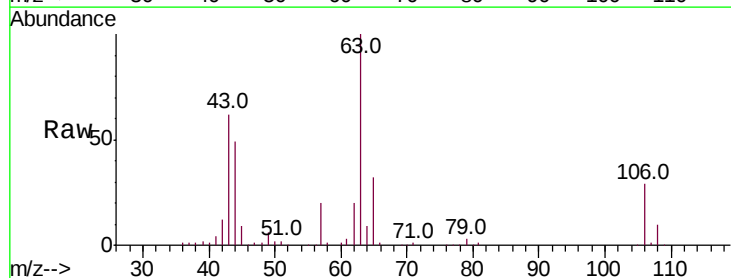
Acq: 18 May 2019 3:22

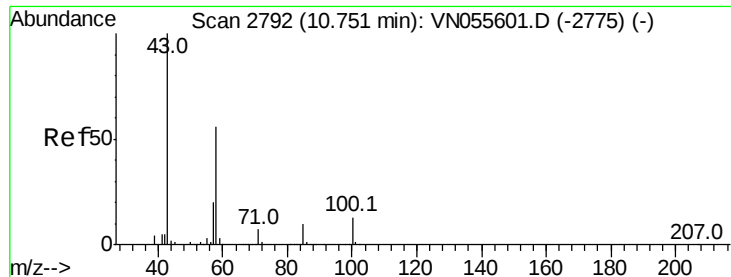
Tgt Ion: 63 Resp: 208666

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





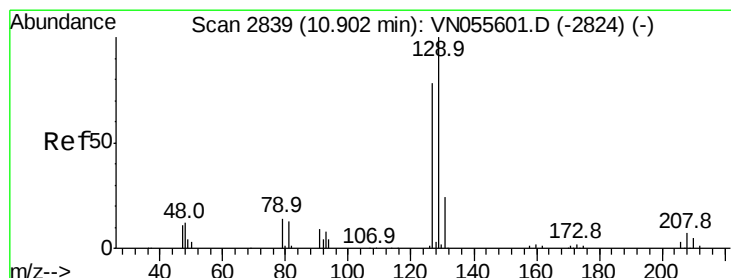
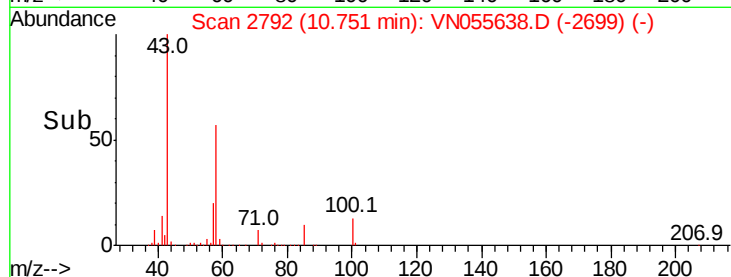
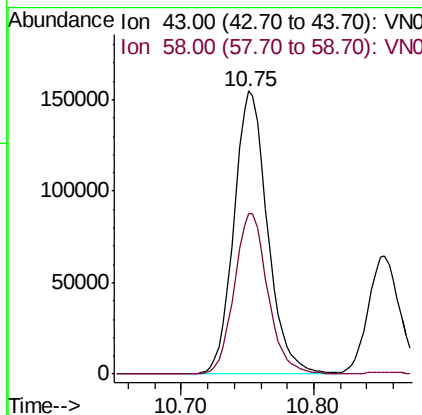
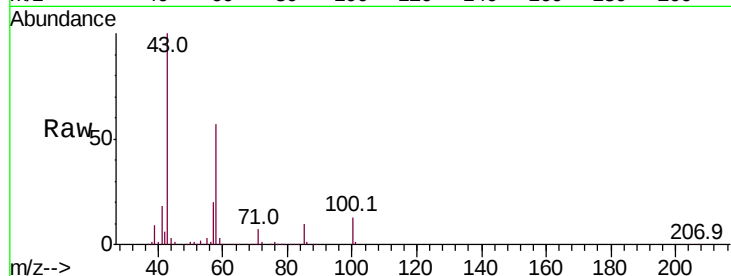
#59
2-Hexanone
Concen: 95.423 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion: 43 Resp: 270948
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.4

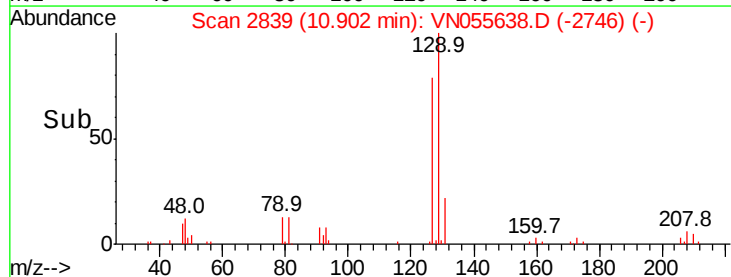
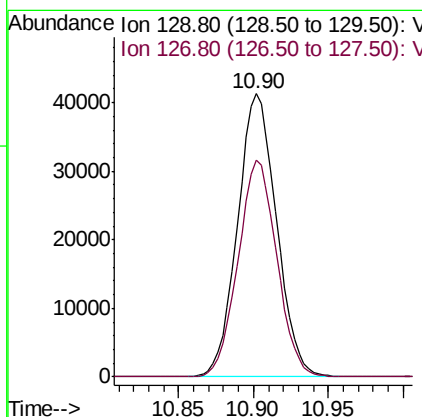
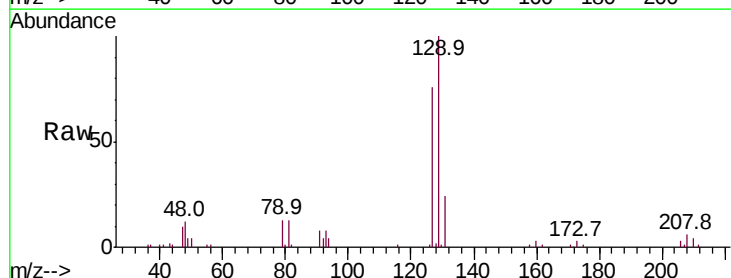
Manual Integrations
APPROVED

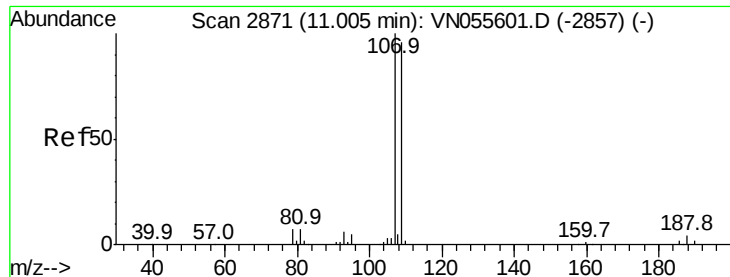
MMDadoda
5/20/2019 9:08:16 AM



#60
Dibromochloromethane
Concen: 19.838 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 129 Resp: 74796
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





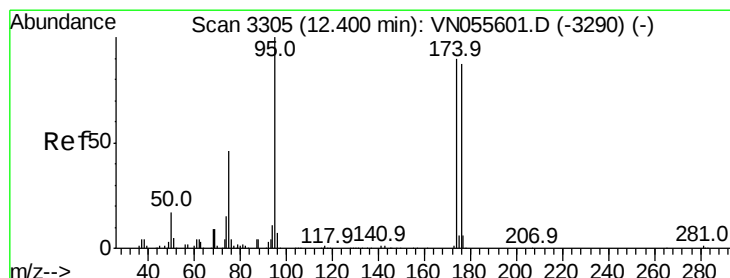
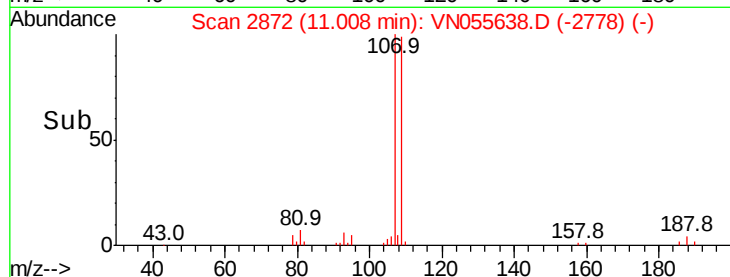
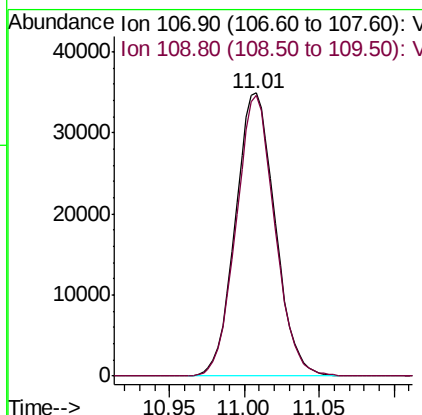
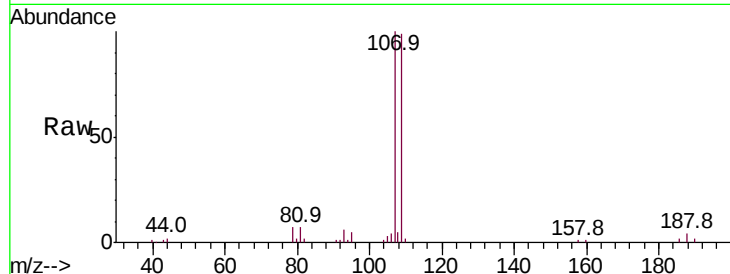
#61
1,2-Dibromoethane
Concen: 19.361 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.6	113.4

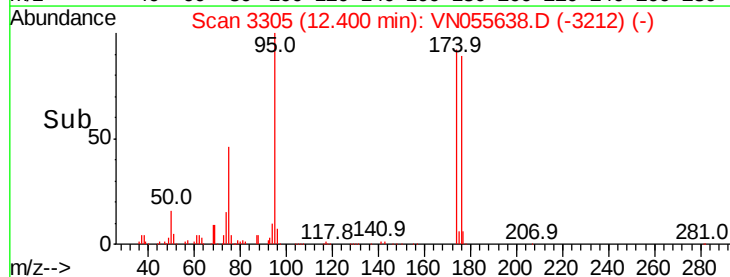
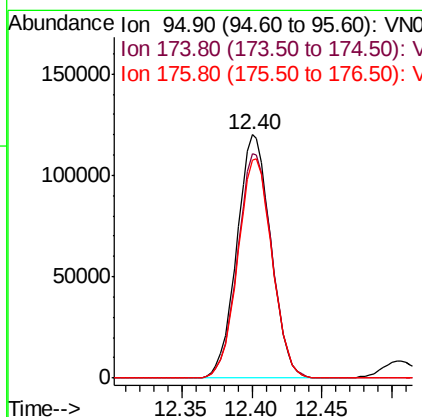
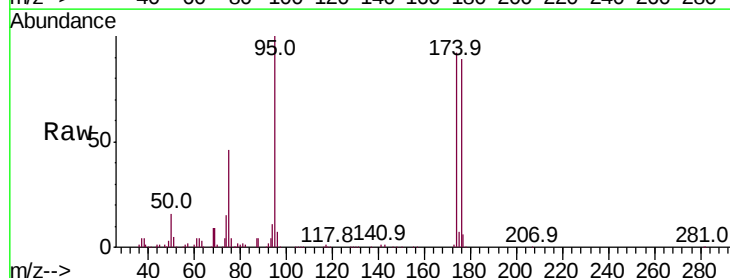
Manual Integrations
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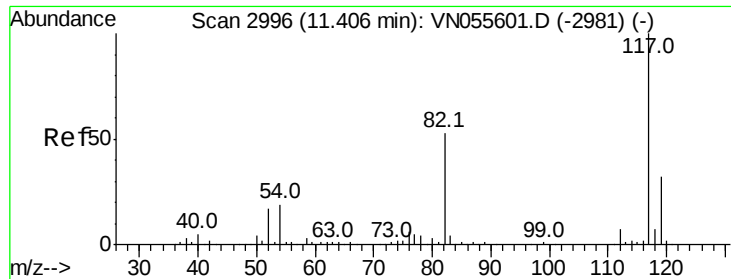
MMDadoda
5/20/2019 9:08:16 AM



#62
4-Bromofluorobenzene
Concen: 49.775 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	180.6
176	90.4	0.0	177.4





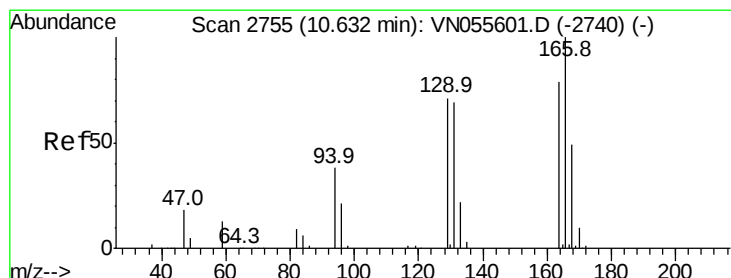
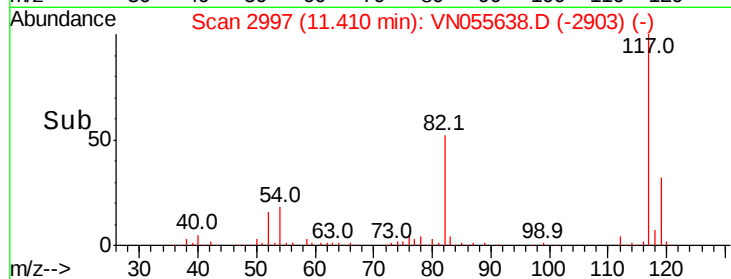
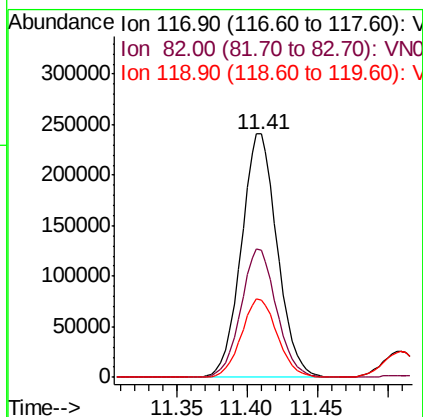
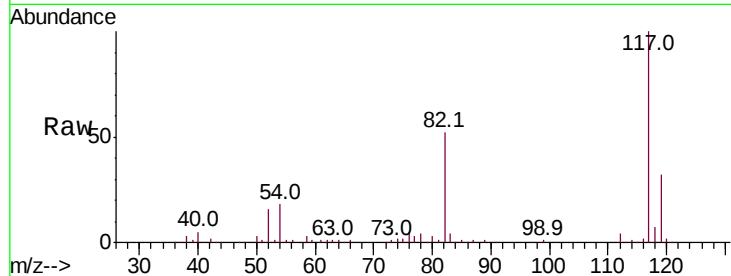
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.1	42.3	63.5	
119	31.9	25.4	38.2	

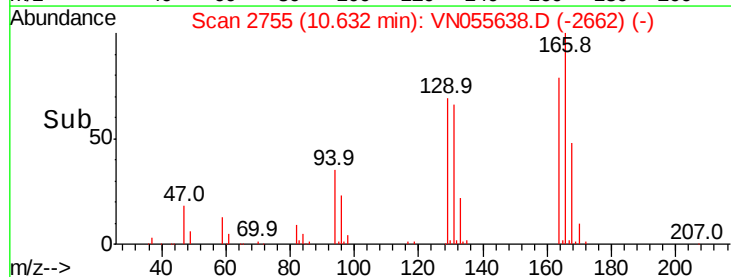
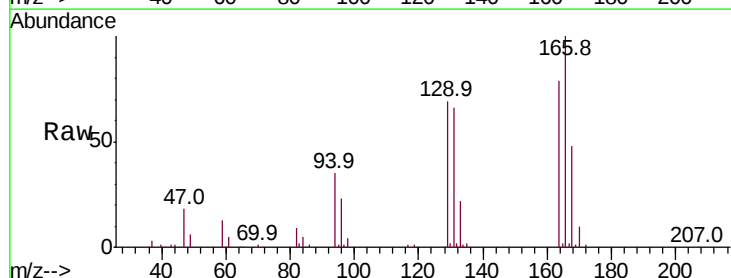
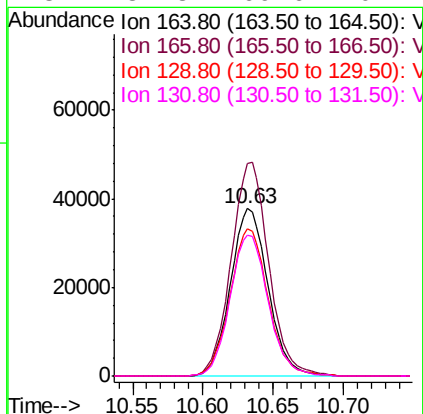
Manual Integrations
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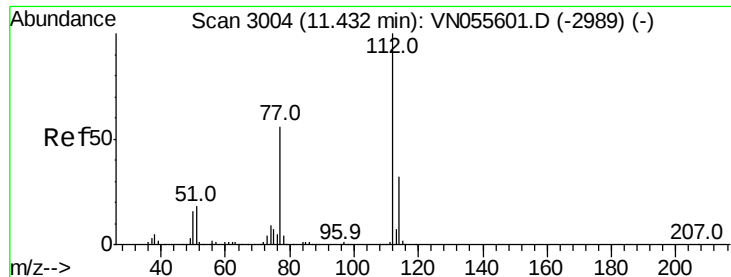
MMDadoda
5/20/2019 9:08:16 AM



#64
Tetrachloroethene
Concen: 20.882 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.9	101.0	151.6	
129	87.8	71.7	107.5	
131	84.3	69.6	104.4	





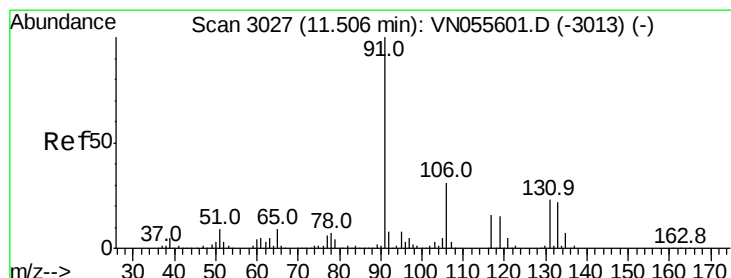
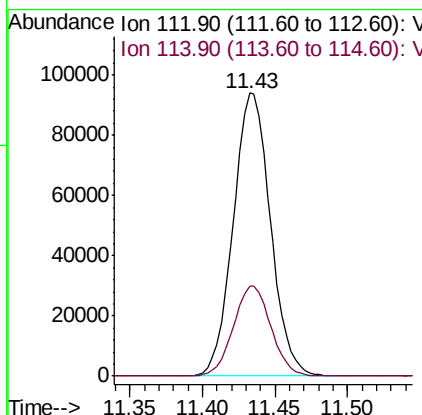
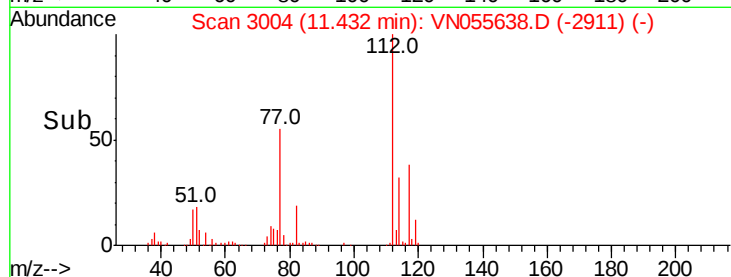
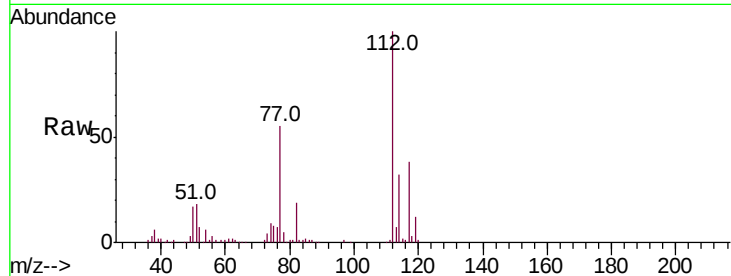
#65
Chlorobenzene
Concen: 19.280 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

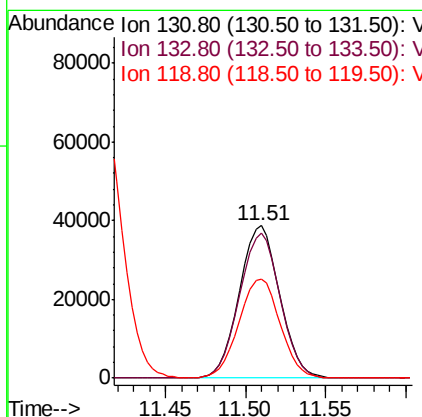
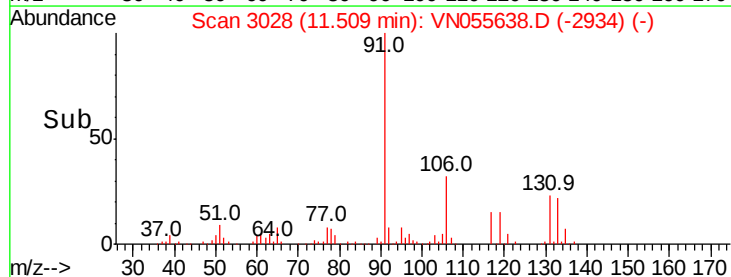
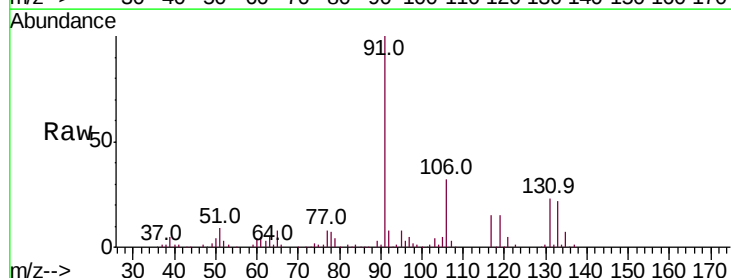
Manual Integrations
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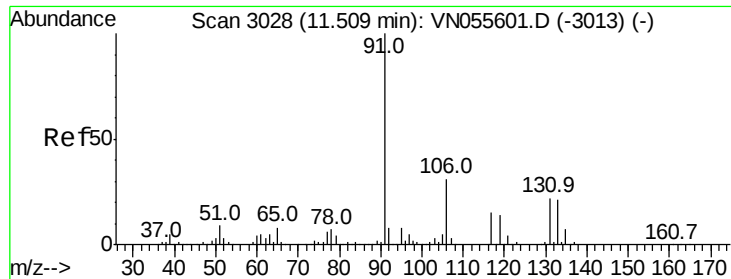
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.124 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.4
119	66.3	33.3	99.8





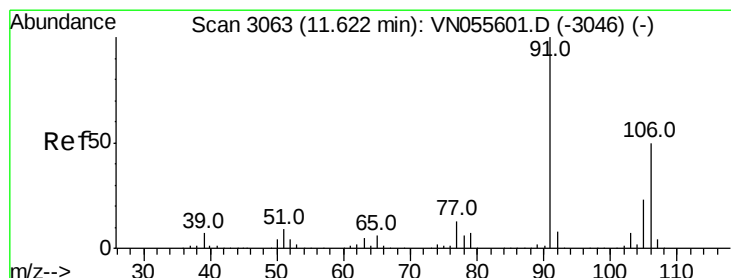
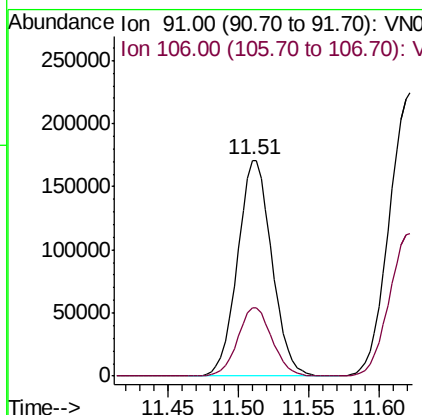
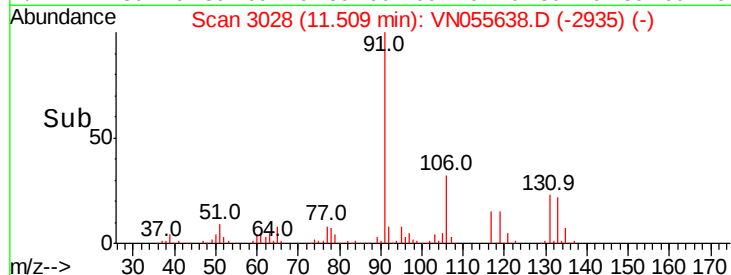
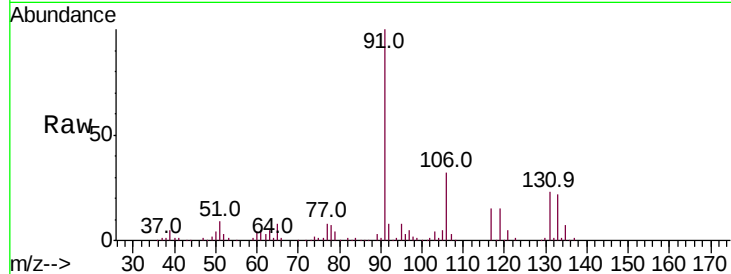
#67
Ethyl Benzene
Concen: 18.858 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampled :
VN0517WBS02

Tot Ion: 91 Resp: 291466
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8

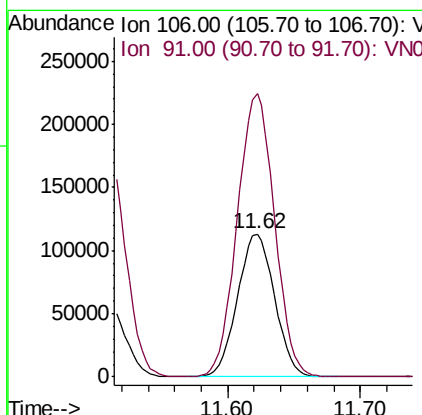
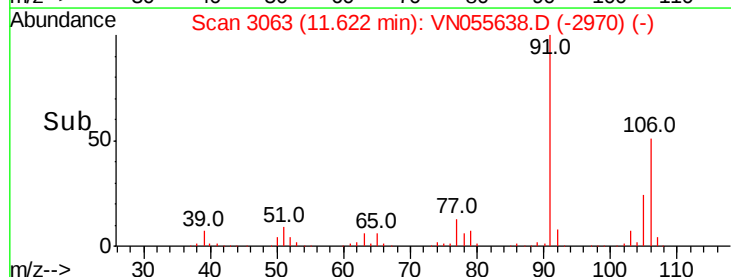
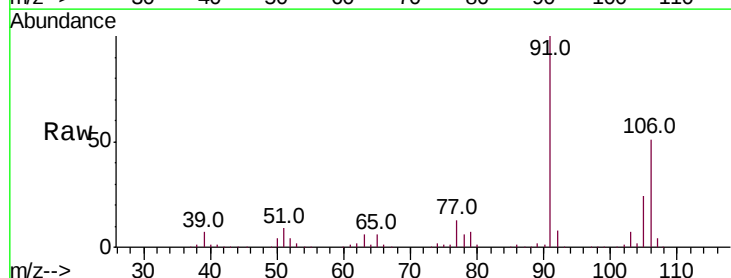
Manual Integrations
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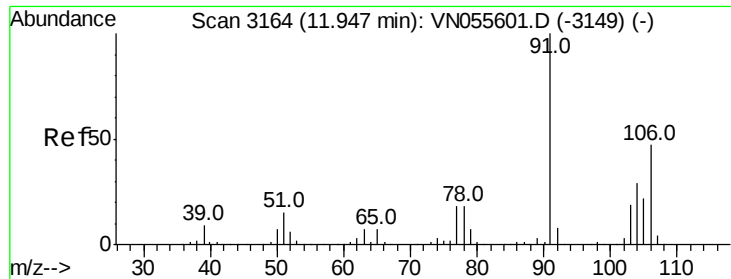
MMDadoda
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#68
m/p-Xylenes
Concen: 37.750 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 106 Resp: 220332
Ion Ratio Lower Upper
106 100
91 198.2 160.5 240.7





#69

o-Xylene

Concen: 18.985 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion:106 Resp: 108378

Ion Ratio Lower Upper

106 100

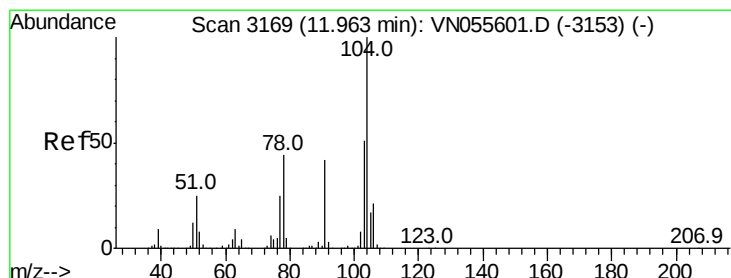
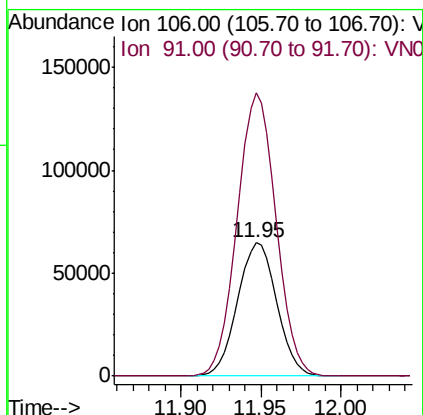
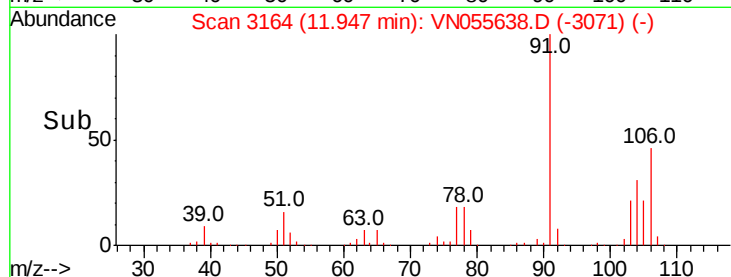
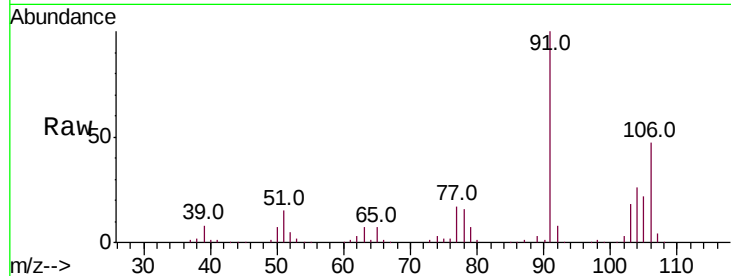
91 209.9 106.7 320.2

Manual Integrations

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#70

Styrene

Concen: 19.058 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

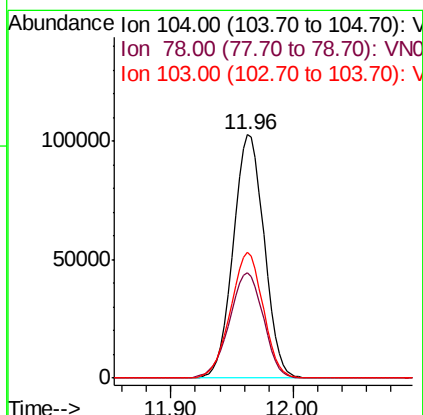
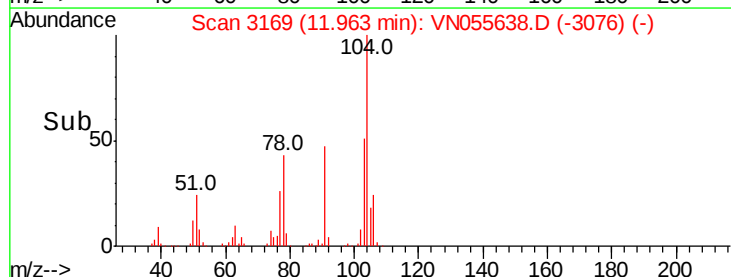
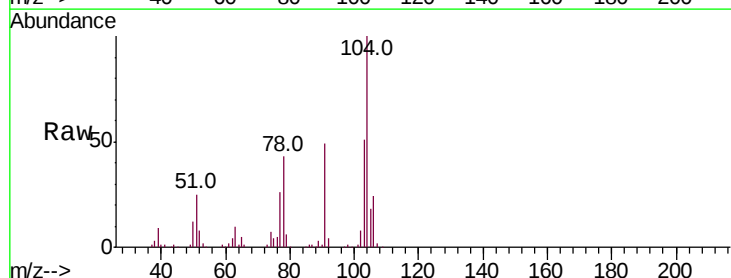
Tgt Ion:104 Resp: 180902

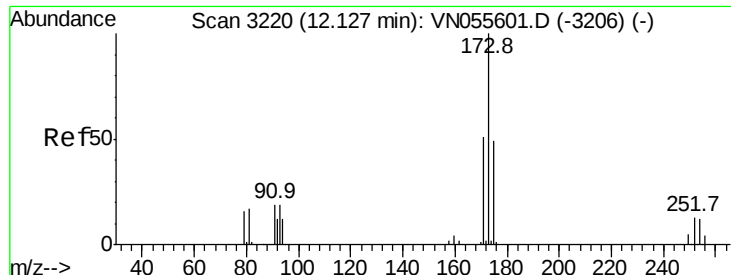
Ion Ratio Lower Upper

104 100

78 47.6 38.6 58.0

103 54.9 44.4 66.6





#71

Bromoform

Concen: 19.654 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion:173 Resp: 58133

Ion Ratio Lower Upper

173 100

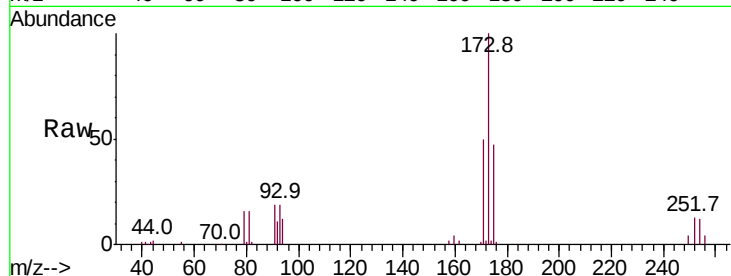
175 48.7 24.3 72.9

254 0.0 0.1 0.1#

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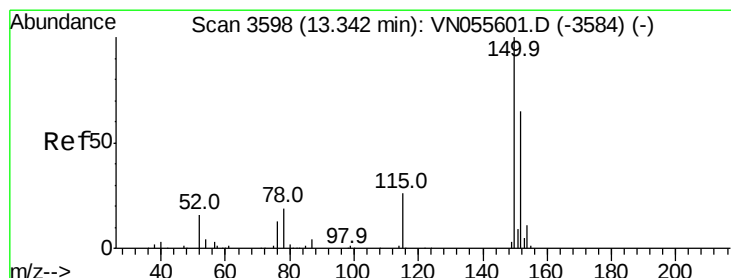
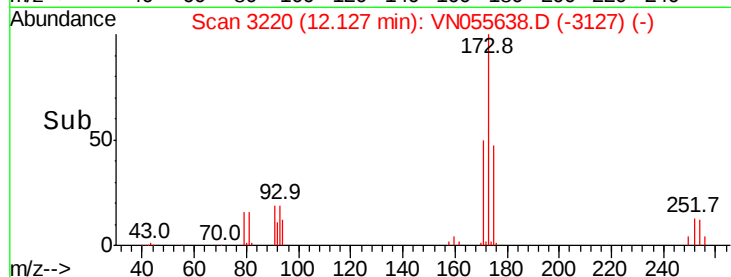
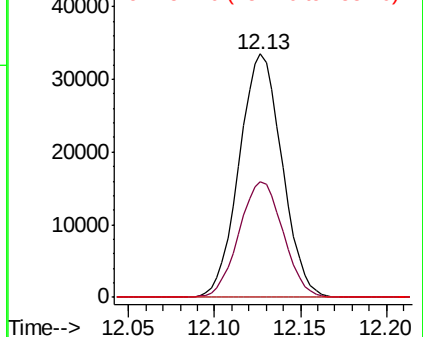
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055638.D

Acq: 18 May 2019 3:22

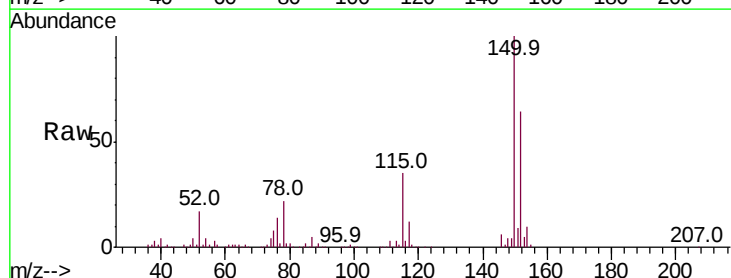
Tgt Ion:152 Resp: 189700

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

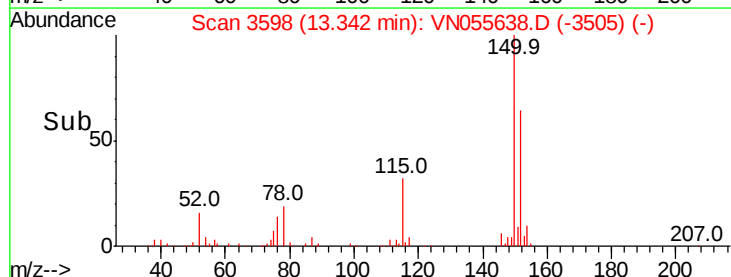
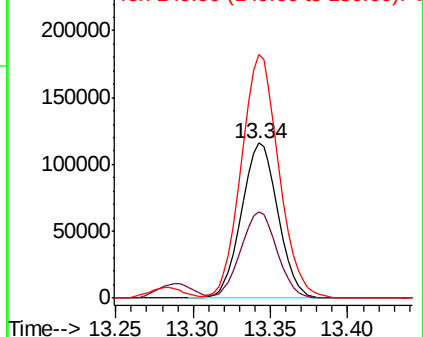
150 162.2 0.0 348.0

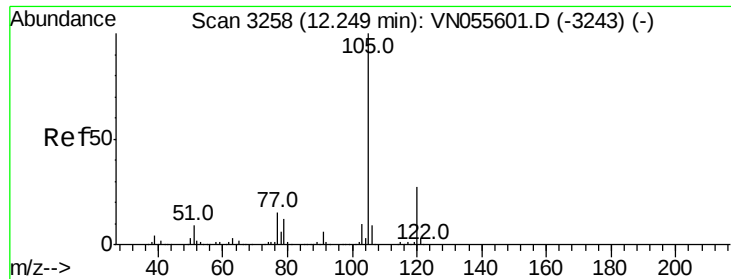


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.150 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion:105 Resp: 287391

Ion Ratio Lower Upper

105 100

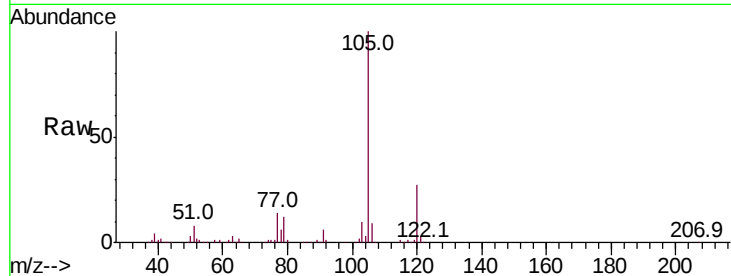
120 26.6 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

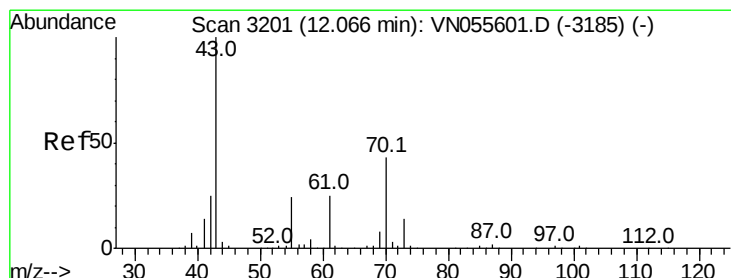
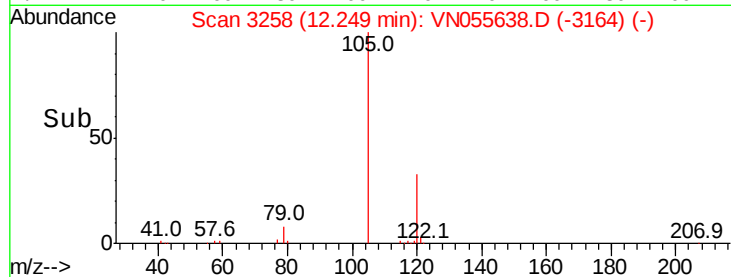
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion: 43 Resp: 99505

Ion Ratio Lower Upper

43 100

70 44.8 35.0 52.6

55 24.5 18.9 28.3

61 25.0 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

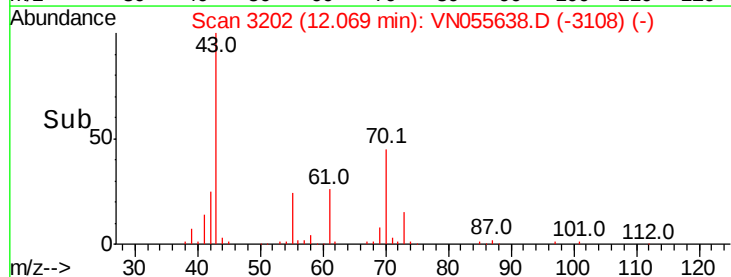
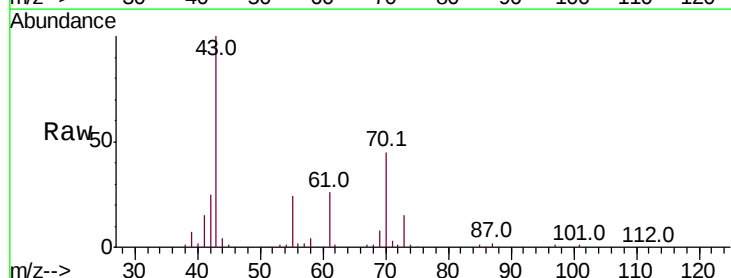
40000

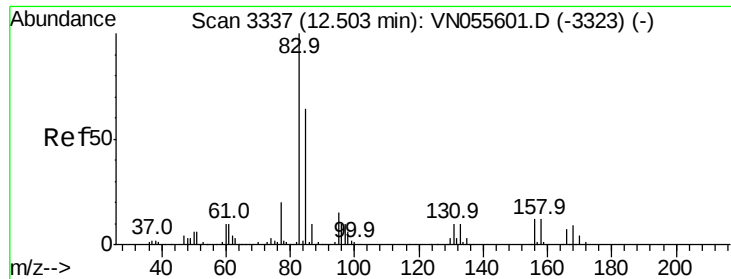
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.099 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

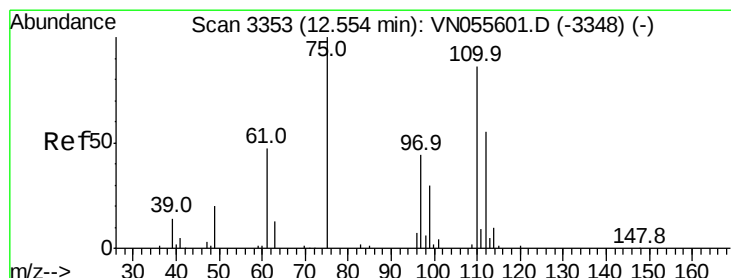
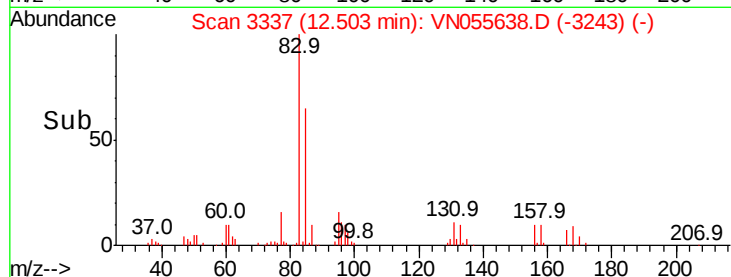
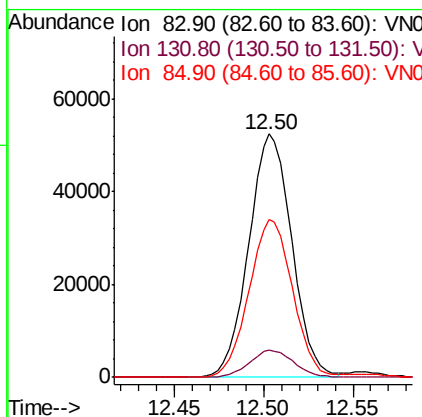
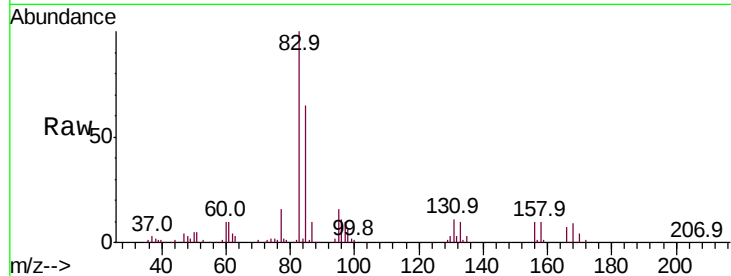
ClientSampleId :

VN0517WBS02

Tot Ion:	83	Resp:	88566
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.3	16.1
85	65.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.704 ug/l m

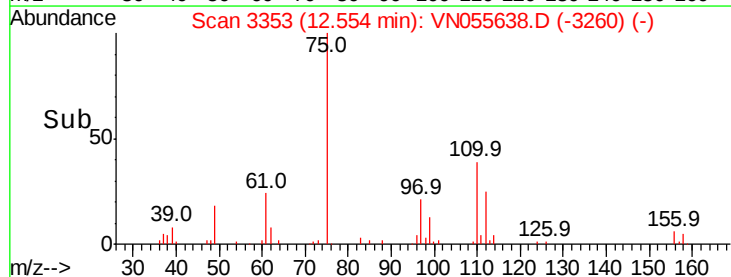
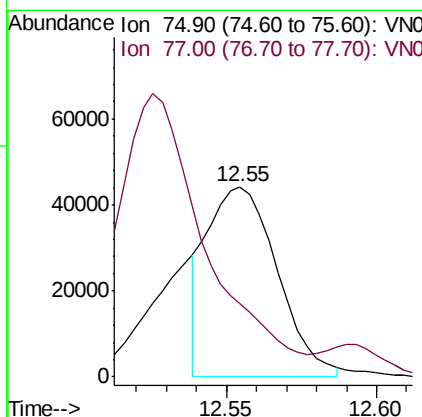
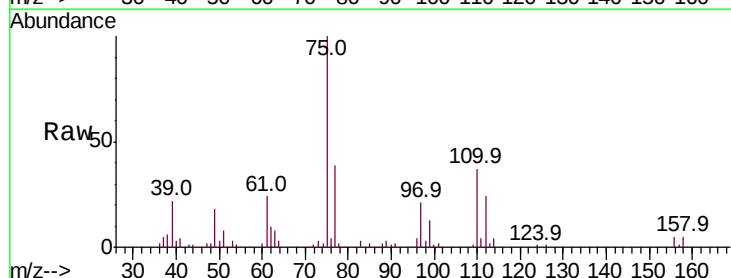
RT: 12.55 min Scan# 3353

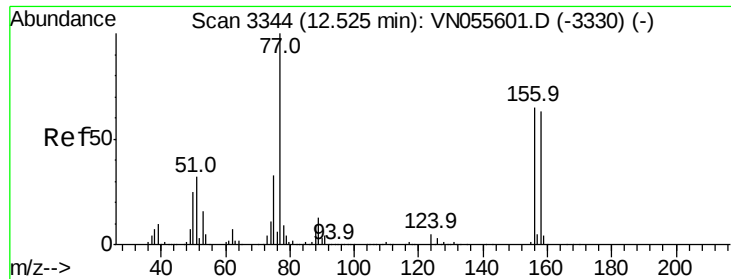
Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion:	75	Resp:	72400
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.628 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

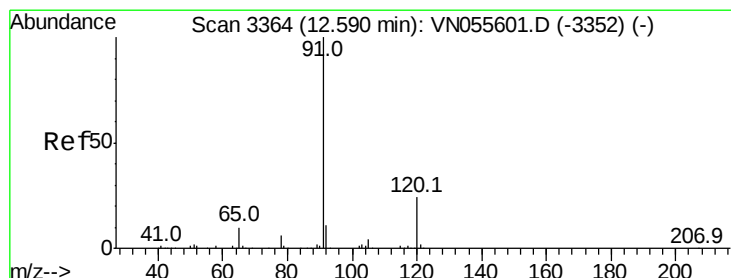
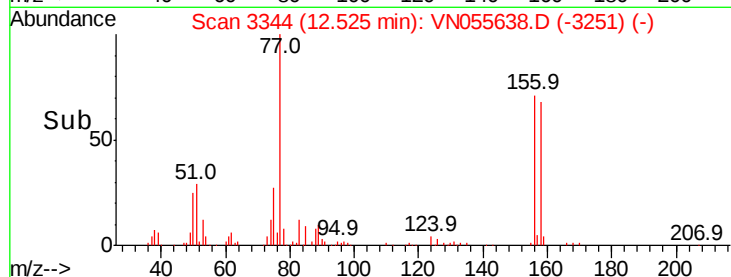
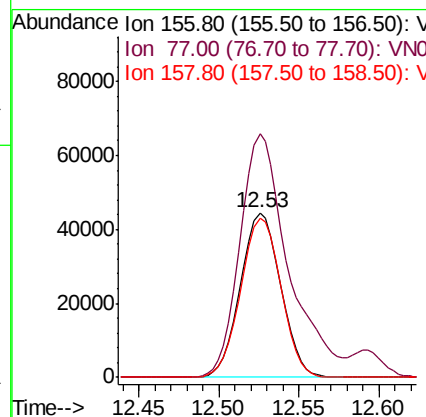
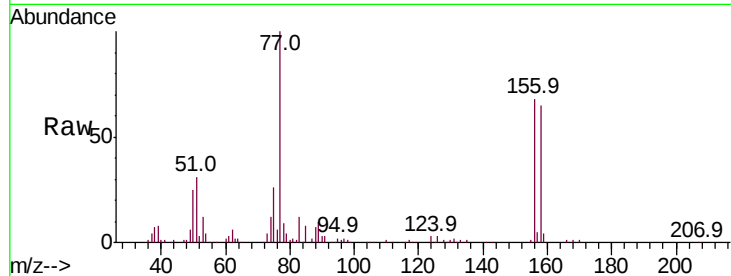
ClientSampleId :

VN0517WBS02

Tot Ion:	156	Resp:	76469
Ion Ratio	Lower	Upper	
156	100		
77	178.4	94.5	283.5
158	96.5	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.142 ug/l

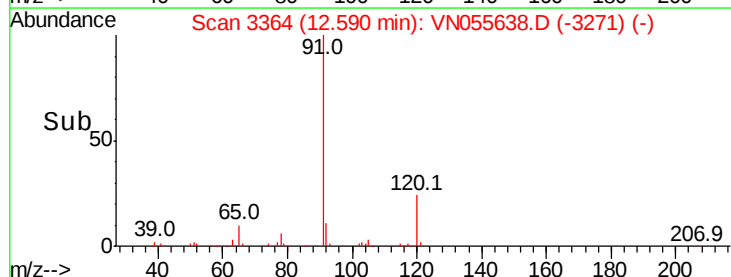
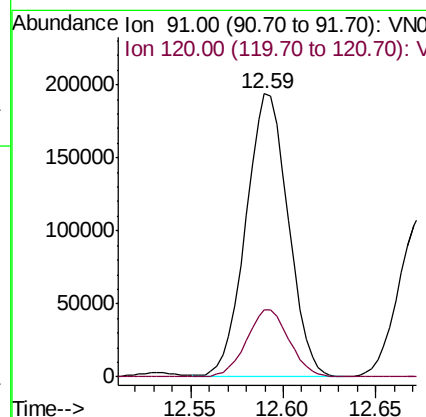
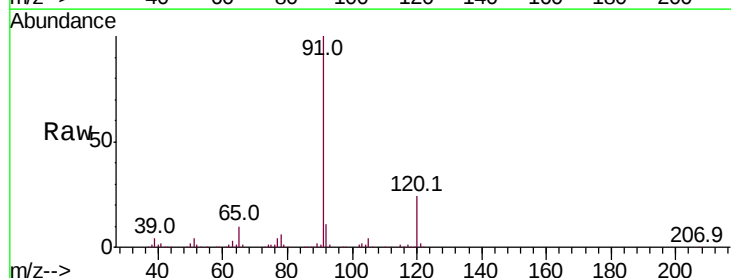
RT: 12.59 min Scan# 3364

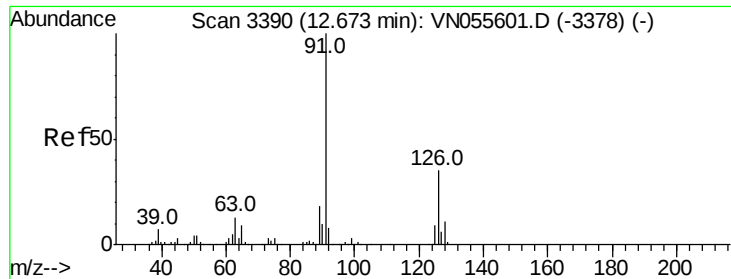
Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion:	91	Resp:	305614
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.657 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion: 91 Resp: 186419

Ion Ratio Lower Upper

91 100

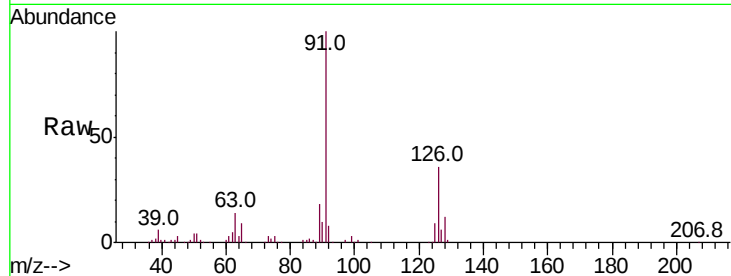
126 35.9 17.8 53.4

Manual Integrations

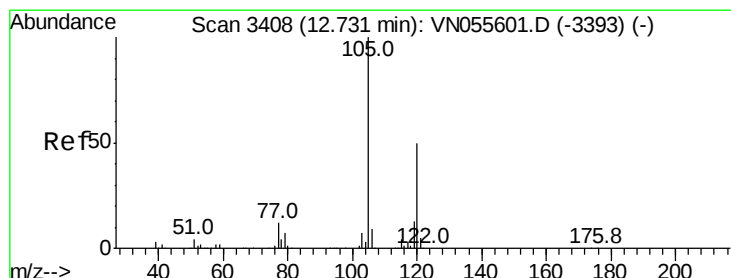
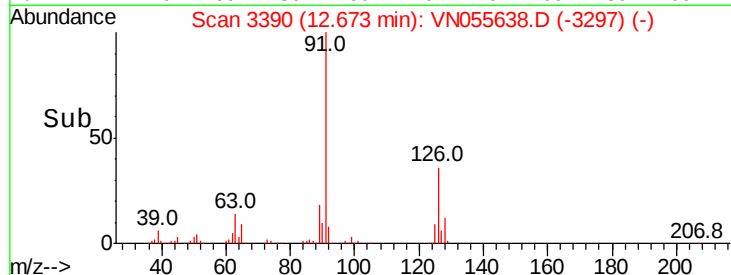
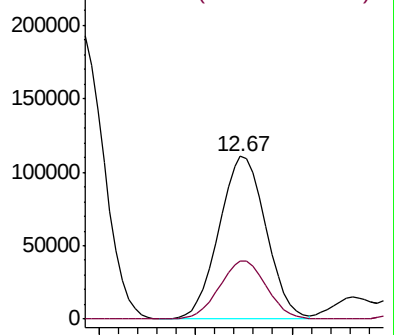
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Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.547 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055638.D

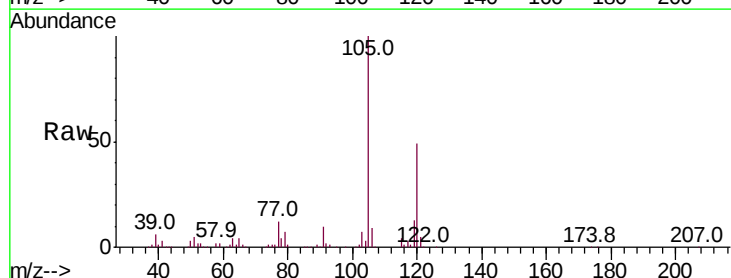
Acq: 18 May 2019 3:22

Tgt Ion: 105 Resp: 236434

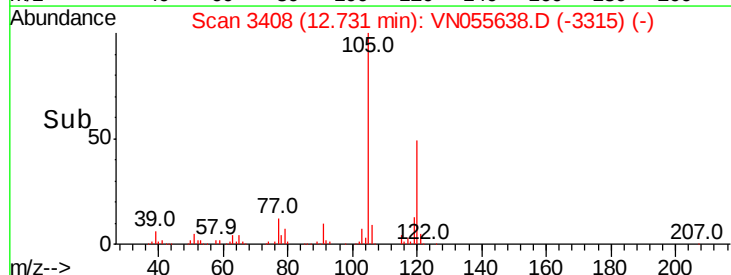
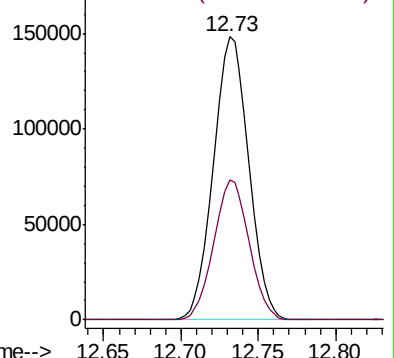
Ion Ratio Lower Upper

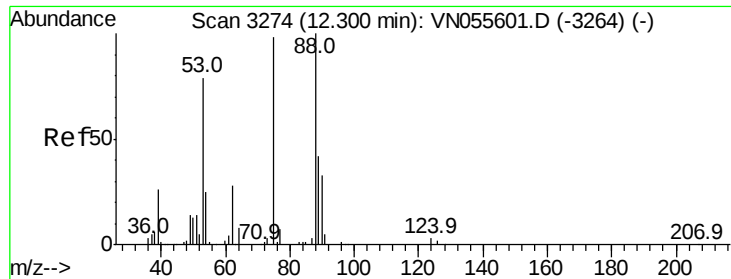
105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)





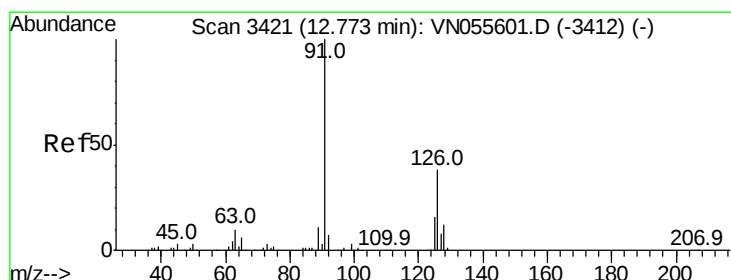
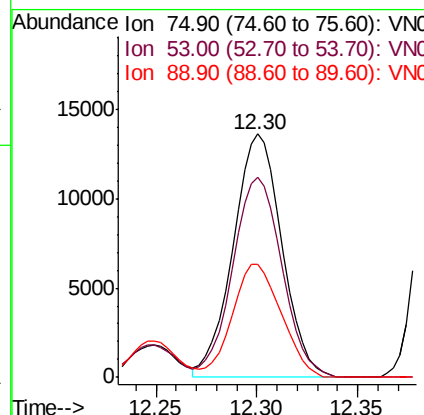
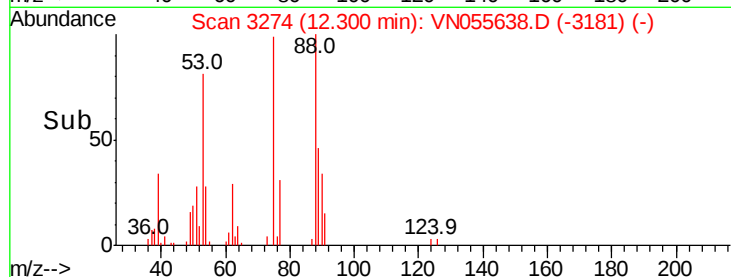
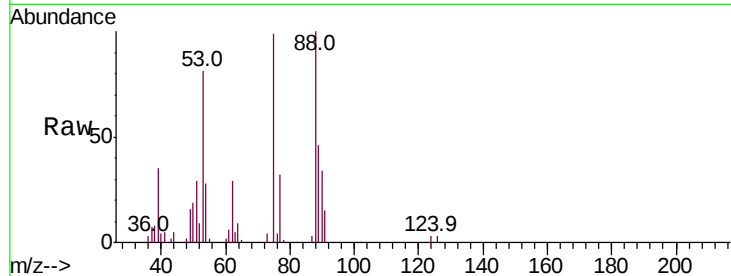
#81
trans-1,4-Dichloro-2-butene
Concen: 15.293 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	65.1	97.7
89	46.9	36.4	54.6

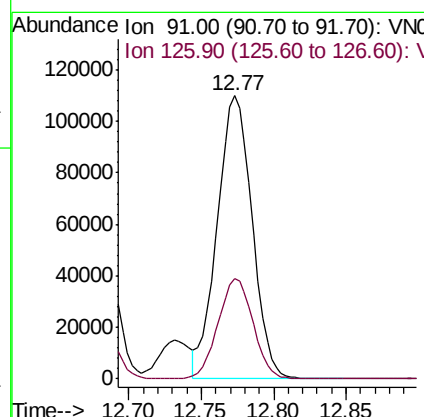
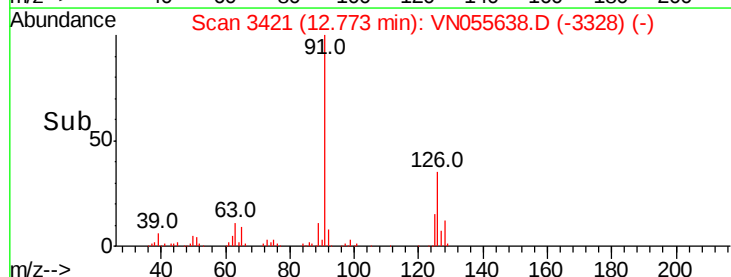
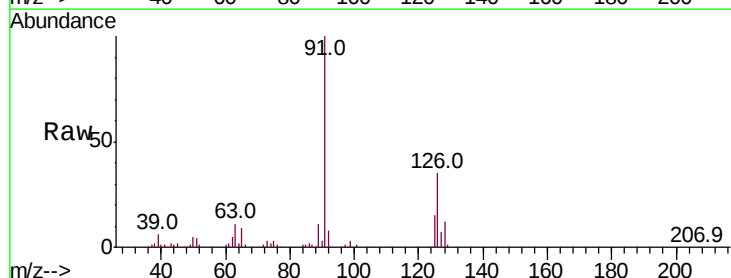
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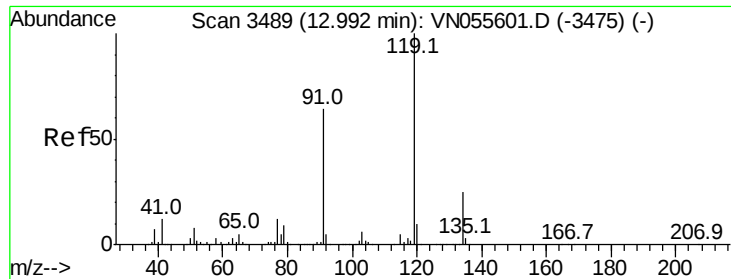
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#82
4-Chlorotoluene
Concen: 18.513 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.6





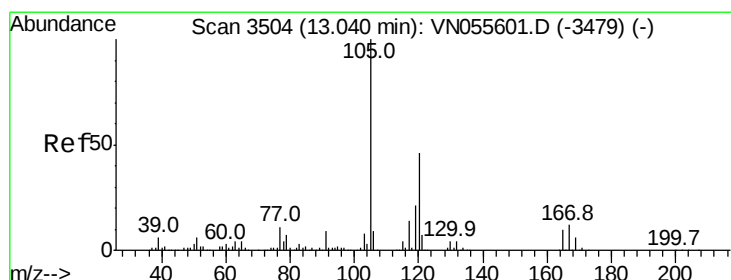
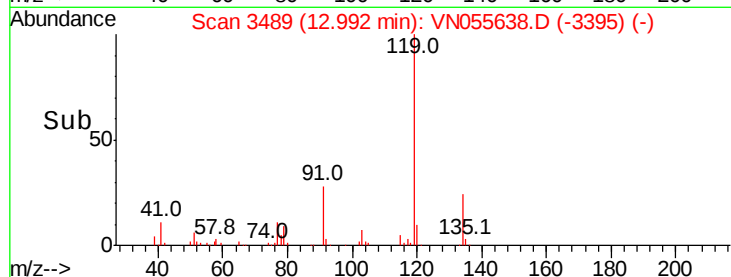
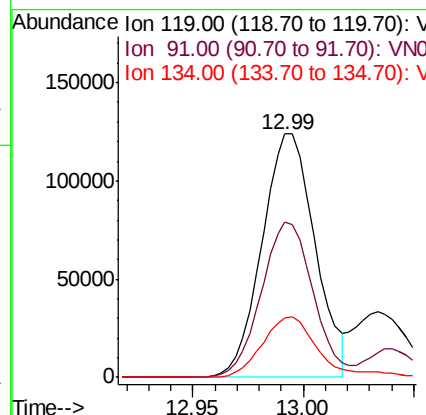
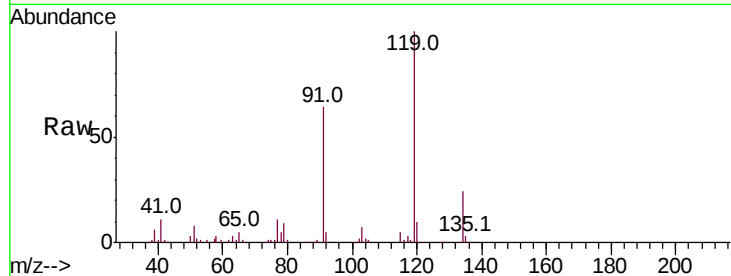
#83
tert-Butylbenzene
Concen: 19.709 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206410		
91	62.2	31.3	93.8	
134	26.4	13.2	39.6	

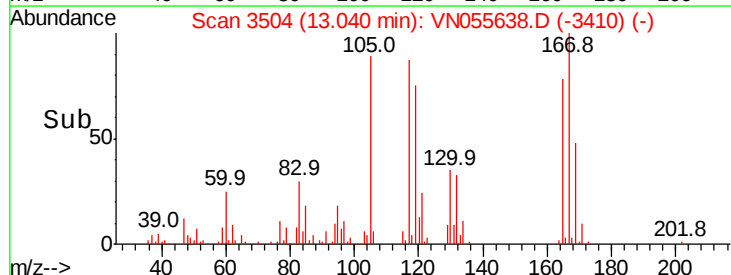
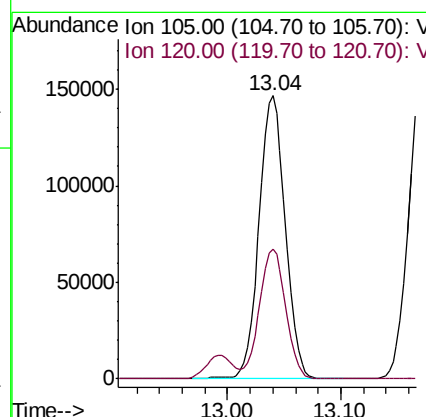
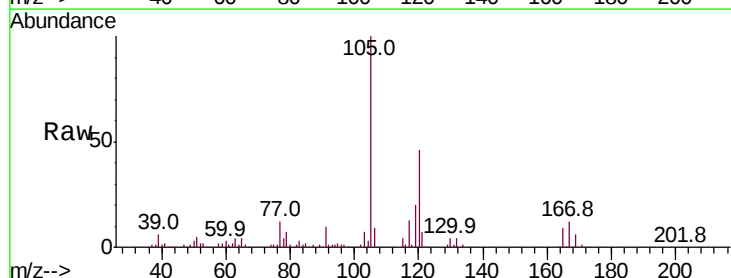
Manual Integrations
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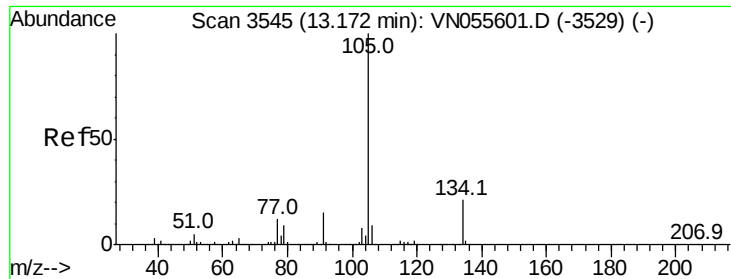
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#84
1,2,4-Trimethylbenzene
Concen: 19.709 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235803		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.323 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS02

Tot Ion:105 Resp: 261701

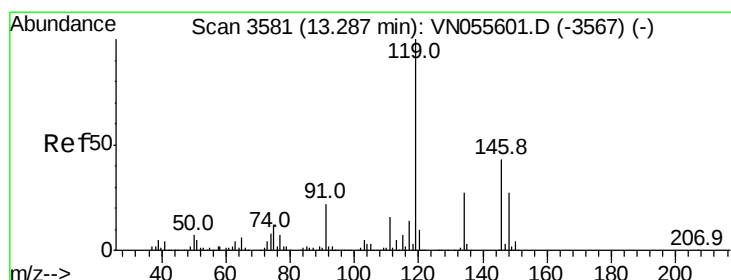
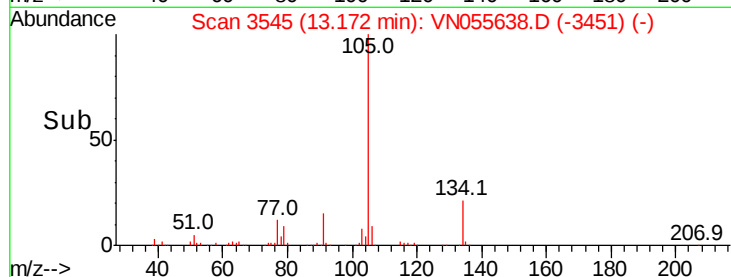
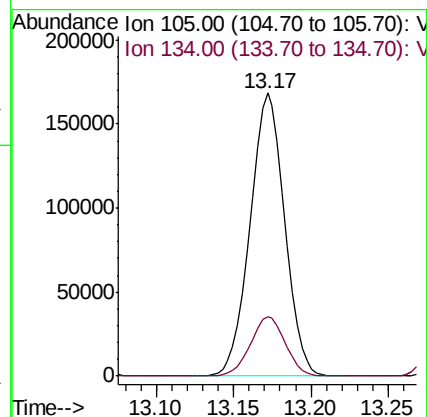
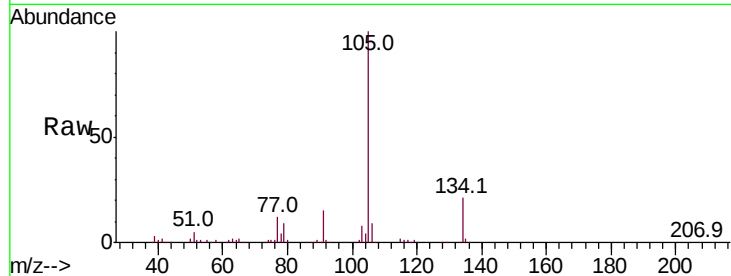
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.079 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

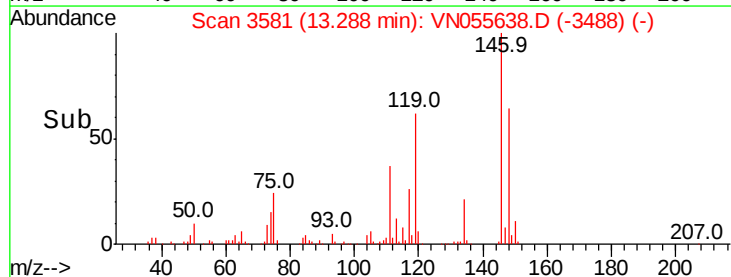
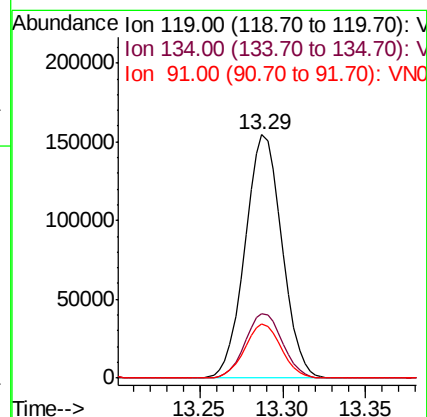
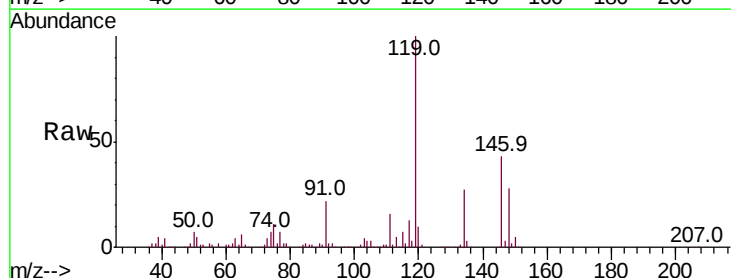
Tgt Ion:119 Resp: 238036

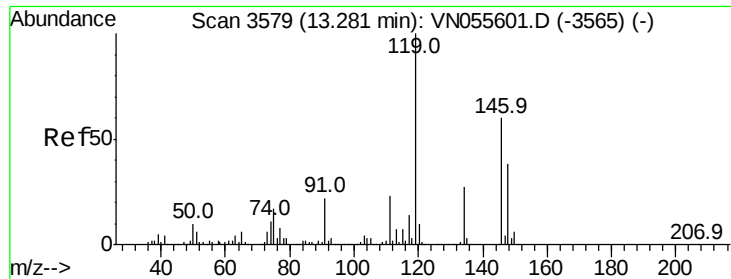
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.2 11.0 33.0





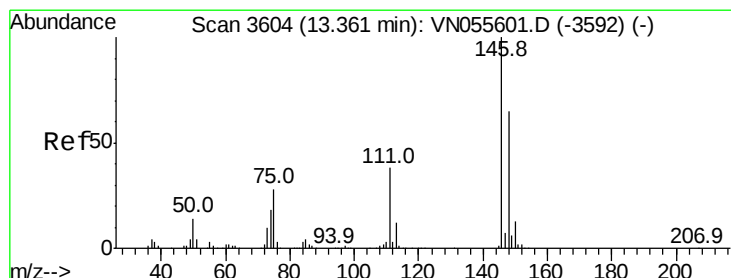
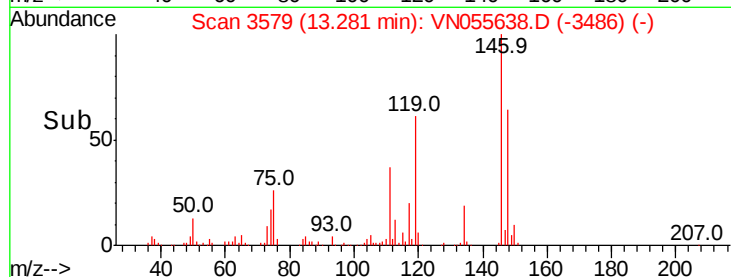
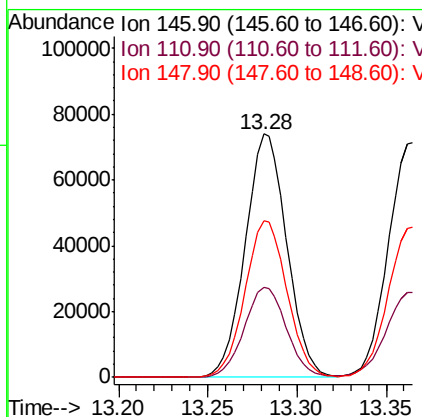
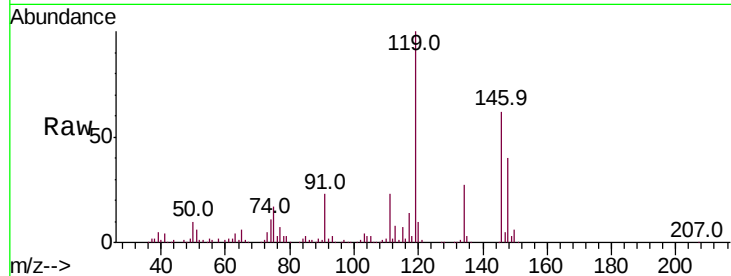
#87
 1,3-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120991		
111	37.5	18.9	56.9	
148	64.9	31.9	95.9	

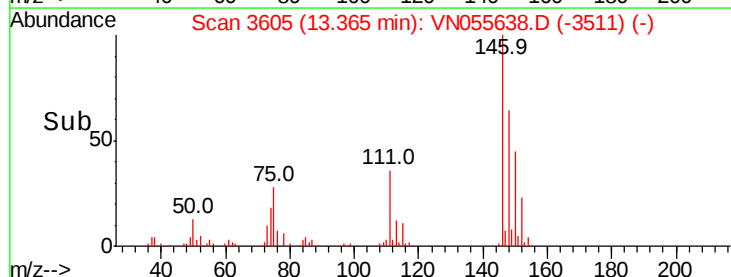
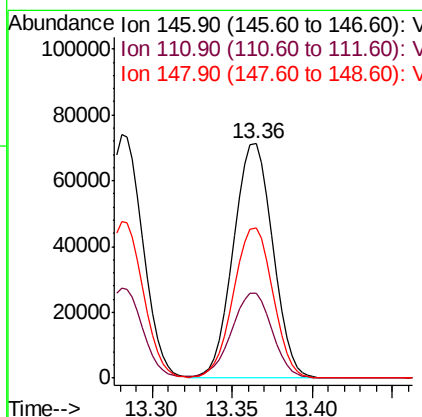
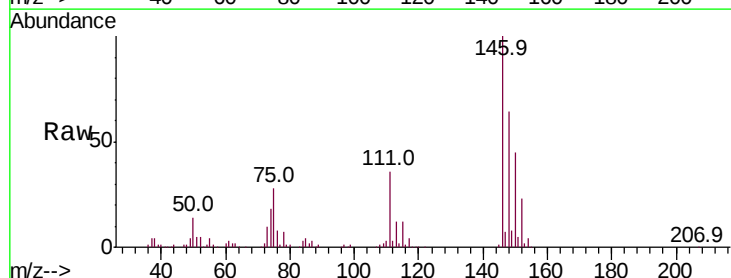
Manual Integrations
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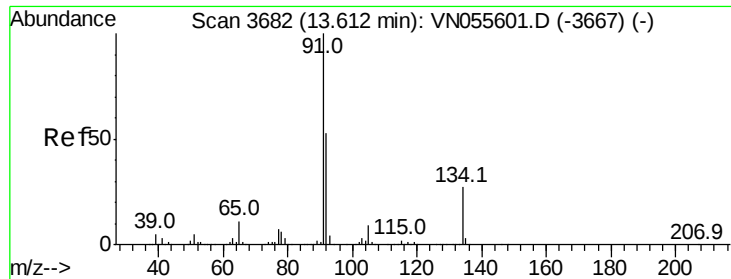
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 5/20/2019 9:08:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.480 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119811		
111	37.6	18.8	56.4	
148	64.2	32.4	97.0	





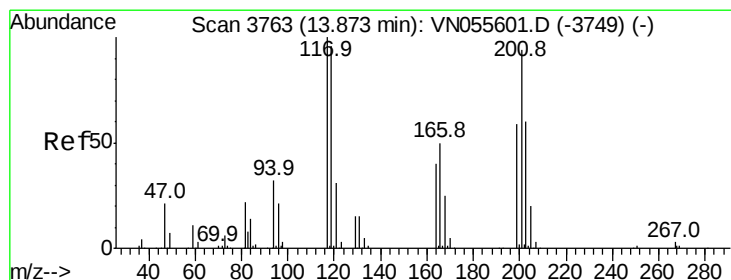
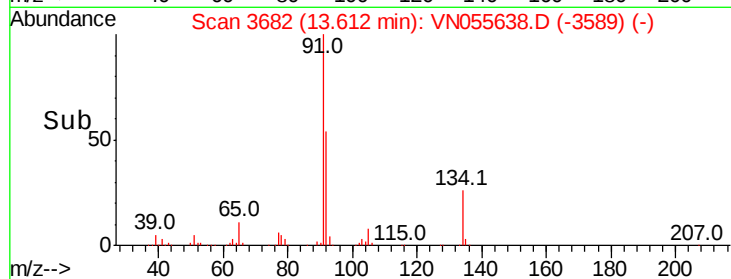
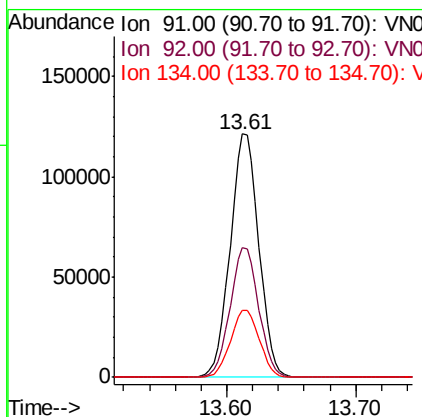
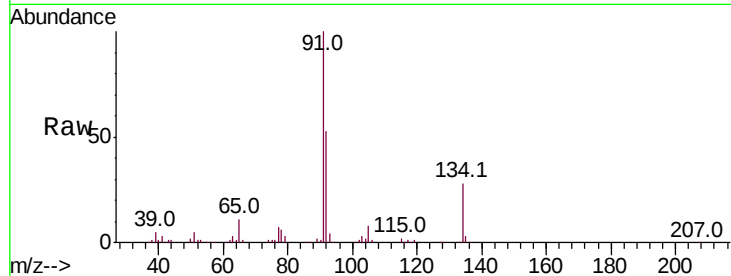
#89
n-Butylbenzene
Concen: 17.899 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.4	79.0	
134	27.7	13.7	41.1	

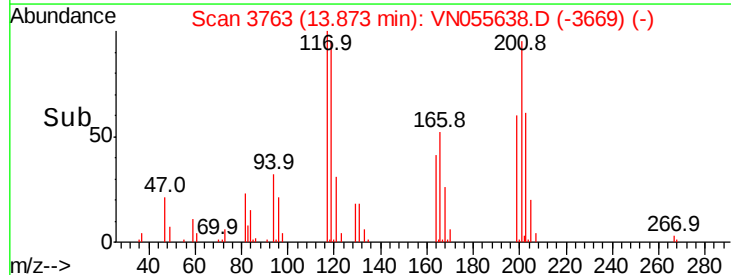
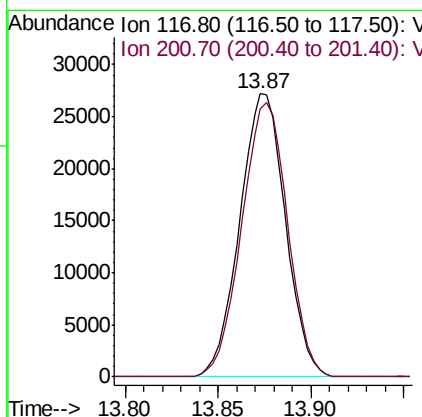
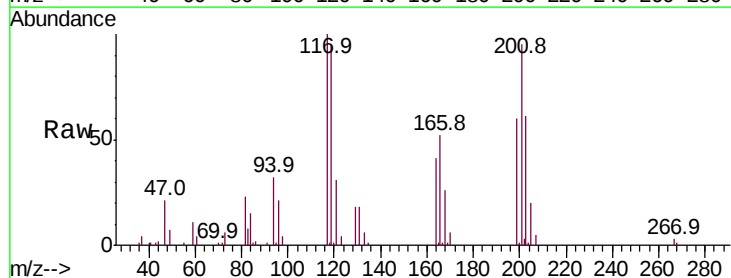
Manual Integrations
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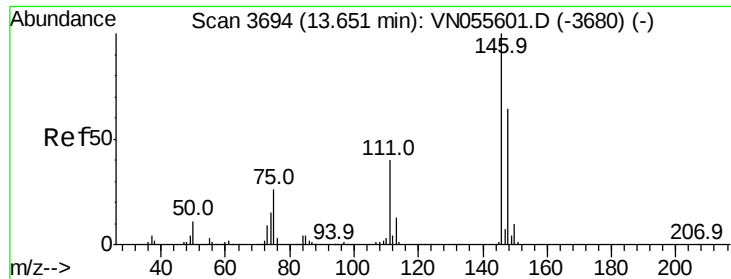
MMDadoda
5/20/2019 9:08:16 AM



#90
Hexachloroethane
Concen: 19.403 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.2	47.1	141.3	





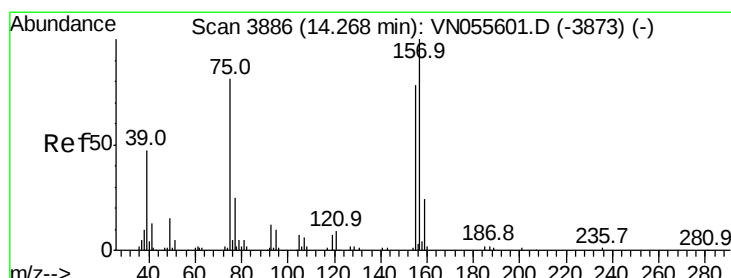
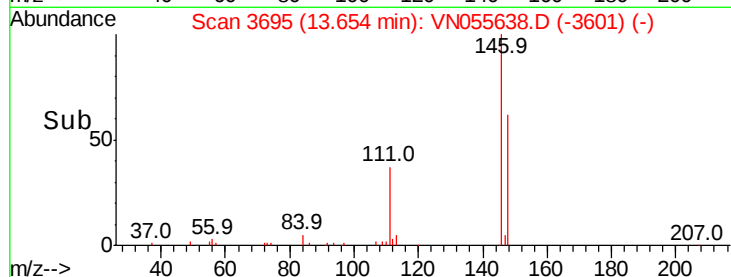
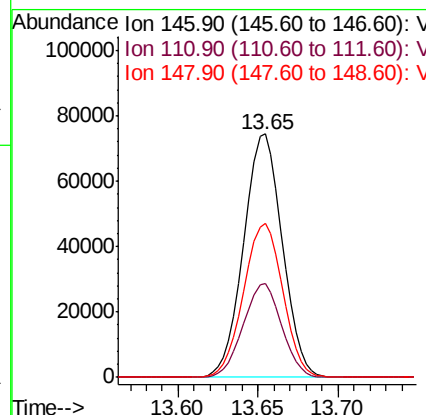
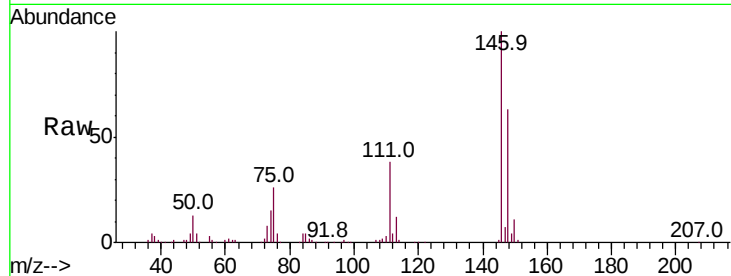
#91
 1,2-Dichlorobenzene
 Concen: 19.126 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.1	19.7	59.0	
148	64.0	32.1	96.3	

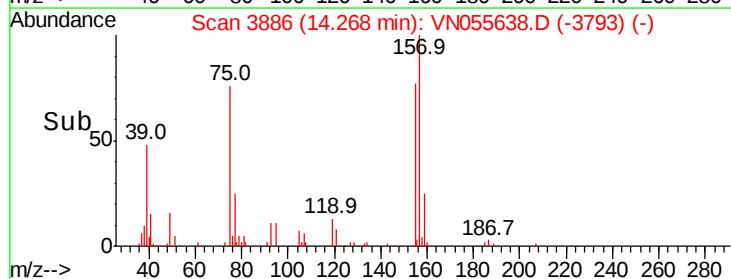
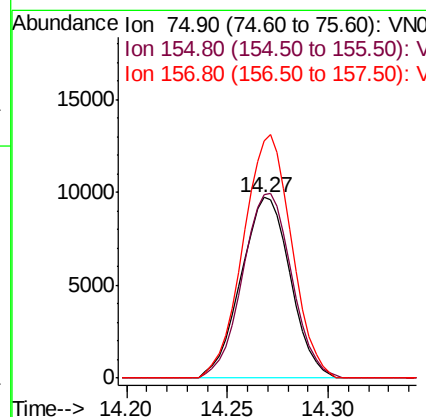
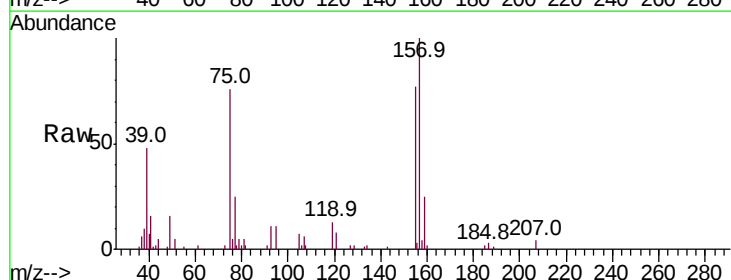
Manual Integrations
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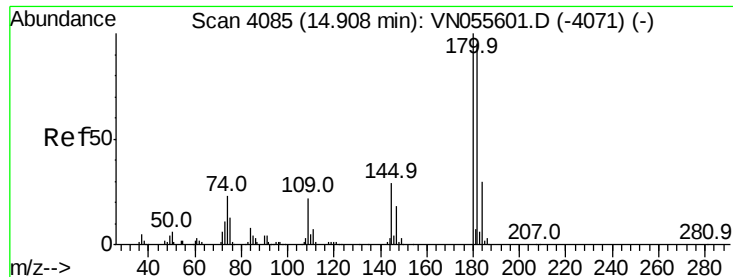
MMDadoda
 5/20/2019 9:08:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.376 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	101.5	48.4	145.0	
157	131.8	62.3	186.8	





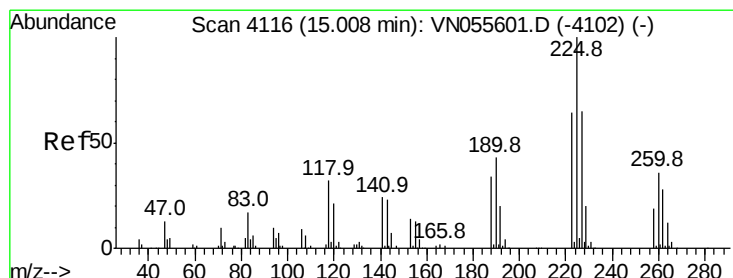
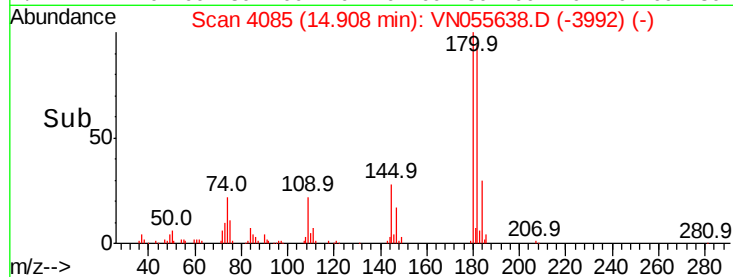
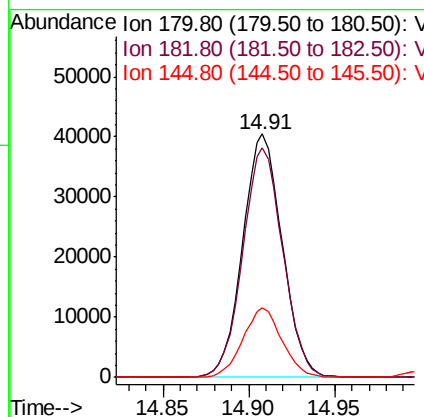
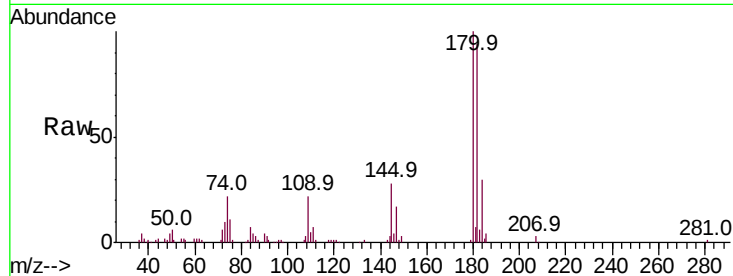
#93
 1,2,4-Trichlorobenzene
 Concen: 19.769 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.9	143.6	
145	28.0	14.3	42.9	

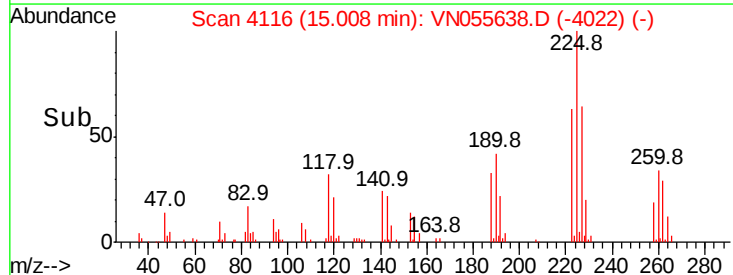
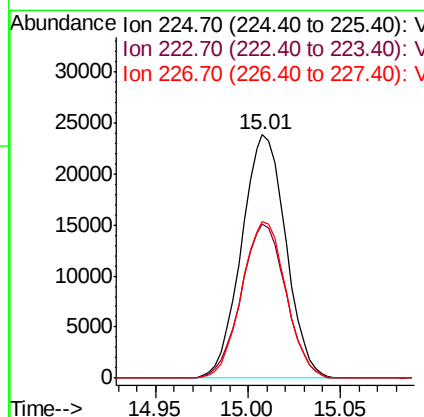
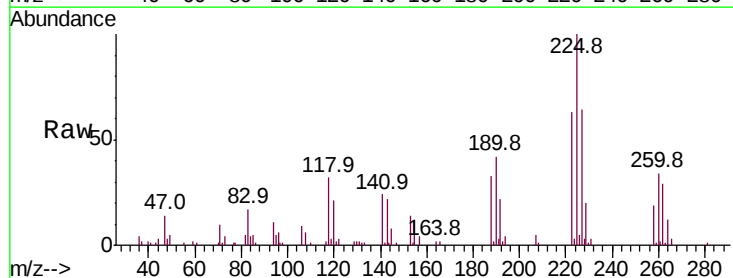
Manual Integrations
 APPROVED

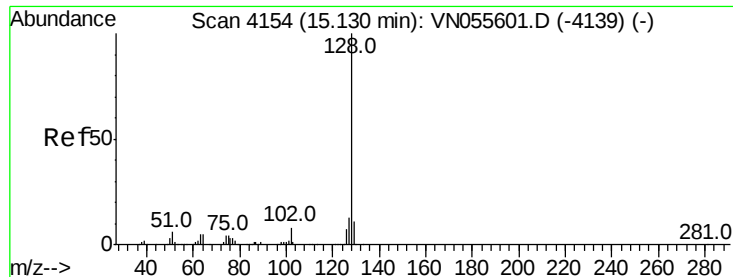
MMDadoda
 5/20/2019 9:08:16 AM



#94
 Hexachlorobutadiene
 Concen: 18.262 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.6	94.7	
227	64.2	32.4	97.0	





#95

Naphthalene

Concen: 19.055 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

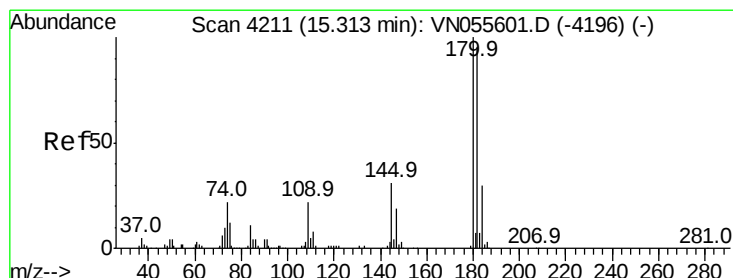
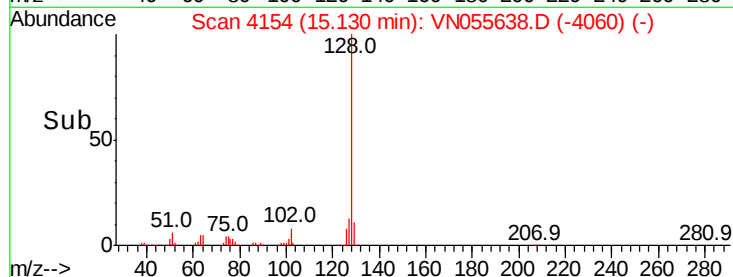
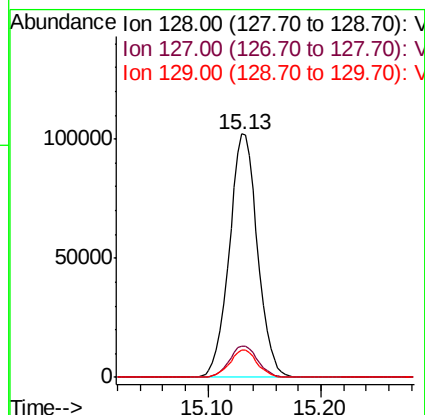
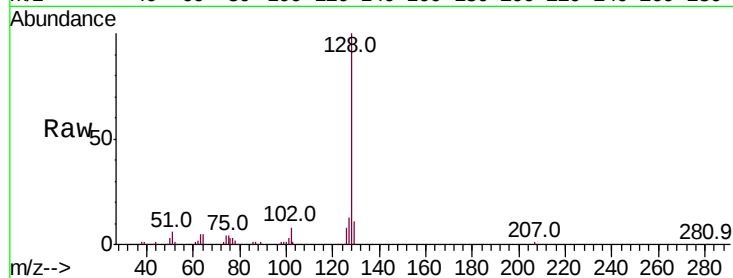
ClientSampleId :

VN0517WBS02

Tot Ion:	128	Resp:	176803
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.747 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion:	180	Resp:	67488
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.6
145	30.4	15.4	46.1

