

Data File : VN055383.D
Acq On : 3 May 2019 12:27
Operator : JC/SP
Sample : VN0503WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:05 AM

Quant Time: May 04 00:02:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	403894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	648581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	262902	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	205977	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	746619	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.40	95	237680	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	89953	18.178	ug/l	99
3) Chloromethane	2.06	50	105517	17.220	ug/l	99
4) Vinyl Chloride	2.19	62	89990	18.219	ug/l	99
5) Bromomethane	2.57	94	50472	19.291	ug/l	100
6) Chloroethane	2.71	64	51563	19.270	ug/l	98
7) Trichlorofluoromethane	3.02	101	132951	18.929	ug/l	96
8) Diethyl Ether	3.42	74	48370	19.684	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79822	19.085	ug/l	99
10) Methyl Iodide	3.96	142	110249	18.731	ug/l	98
11) Tert butyl alcohol	4.80	59	29011	95.899	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	77362	19.390	ug/l	100
13) Acrolein	3.62	56	11882	50.294	ug/l	94
14) Allyl chloride	4.33	41	158943	19.235	ug/l	99
15) Acrylonitrile	5.00	53	162554	95.597	ug/l	100
16) Acetone	3.82	43	136197	82.725	ug/l	100
17) Carbon Disulfide	4.06	76	166919	16.031	ug/l	99
18) Methyl Acetate	4.33	43	84539	20.467	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	229813	20.489	ug/l	98
20) Methylene Chloride	4.56	84	88741	17.659	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	78256	18.520	ug/l	93
22) Diisopropyl ether	5.95	45	338023	20.588	ug/l	92
23) Vinyl Acetate	5.90	43	1074344	99.841	ug/l	99
24) 1,1-Dichloroethane	5.86	63	172653	19.737	ug/l	99
25) 2-Butanone	6.84	43	195979	93.079	ug/l	99
26) 2,2-Dichloropropane	6.82	77	117278	19.414	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	96097	19.999	ug/l	99
28) Bromochloromethane	7.20	49	88540	20.079	ug/l	98
29) Tetrahydrofuran	7.22	42	136735	101.419	ug/l	96
30) Chloroform	7.37	83	165351	19.940	ug/l	99
31) Cyclohexane	7.65	56	156527	18.833	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	130724	19.423	ug/l	99
36) 1,1-Dichloropropene	7.80	75	113119	18.209	ug/l	98
37) Ethyl Acetate	6.93	43	86320	18.130	ug/l	98
38) Carbon Tetrachloride	7.78	117	109010	18.190	ug/l	99

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APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	123244	18.659	ug/l	99
40) Benzene	8.04	78	356146	19.447	ug/l	99
41) Methacrylonitrile	7.18	41	48466	19.270	ug/l	97
42) 1,2-Dichloroethane	8.13	62	123341	19.015	ug/l	99
43) Isopropyl Acetate	8.17	43	153771	20.096	ug/l #	87
44) Trichloroethene	8.84	130	89497	19.170	ug/l	96
45) 1,2-Dichloropropane	9.12	63	103167	19.532	ug/l	98
46) Dibromomethane	9.21	93	53639	18.578	ug/l	99
47) Bromodichloromethane	9.40	83	118579	19.145	ug/l	99
48) Methyl methacrylate	9.20	41	71565	19.025	ug/l	99
49) 1,4-Dioxane	9.21	88	14829	381.359	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	408810	94.895	ug/l	100
52) Toluene	10.16	92	205946	19.599	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100506	18.692	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	128209	19.124	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	75819	19.431	ug/l	99
56) Ethyl methacrylate	10.43	69	93232	19.412	ug/l	99
57) 1,3-Dichloropropane	10.71	76	134719	19.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	101046	76.833	ug/l	98
59) 2-Hexanone	10.75	43	246246	91.356	ug/l	98
60) Dibromochloromethane	10.90	129	75958	19.047	ug/l	99
61) 1,2-Dibromoethane	11.01	107	69096	19.158	ug/l	100
64) Tetrachloroethene	10.63	164	87376	19.520	ug/l	94
65) Chlorobenzene	11.43	112	207020	19.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	78258	18.675	ug/l	100
67) Ethyl Benzene	11.51	91	376203	19.467	ug/l	100
68) m/p-Xylenes	11.62	106	271651	39.381	ug/l	100
69) o-Xylene	11.95	106	139867	20.457	ug/l	96
70) Styrene	11.96	104	216882	20.660	ug/l	99
71) Bromoform	12.12	173	42741	18.381	ug/l #	97
73) Isopropylbenzene	12.25	105	371119	21.742	ug/l	100
74) N-amyl acetate	12.07	43	112242	22.064	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	90413	21.188	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75868m	19.032	ug/l	
77) Bromobenzene	12.53	156	83083	20.678	ug/l	100
78) n-propylbenzene	12.59	91	402270	19.756	ug/l	100
79) 2-Chlorotoluene	12.67	91	246328	21.407	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	302110	19.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18586	17.769	ug/l #	81
82) 4-Chlorotoluene	12.77	91	227408	19.208	ug/l	98
83) tert-Butylbenzene	12.99	119	261358	22.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	338611	24.364	ug/l	99
85) sec-Butylbenzene	13.17	105	336678	19.933	ug/l	99
86) p-Isopropyltoluene	13.29	119	281606	20.285	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	130235	19.634	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	122105	19.548	ug/l	98
89) n-Butylbenzene	13.61	91	205304	20.812	ug/l	99
90) Hexachloroethane	13.87	117	45323	19.663	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	133328	20.280	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11257	21.586	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

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Manual Integrations
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5/6/2019 10:48:05 AM

Quant Time: May 04 00:02:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40289	17.826	ug/l	97
94) Hexachlorobutadiene	15.01	225	47423	22.429	ug/l	95
95) Naphthalene	15.13	128	84569	17.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43914	18.919	ug/l	99

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

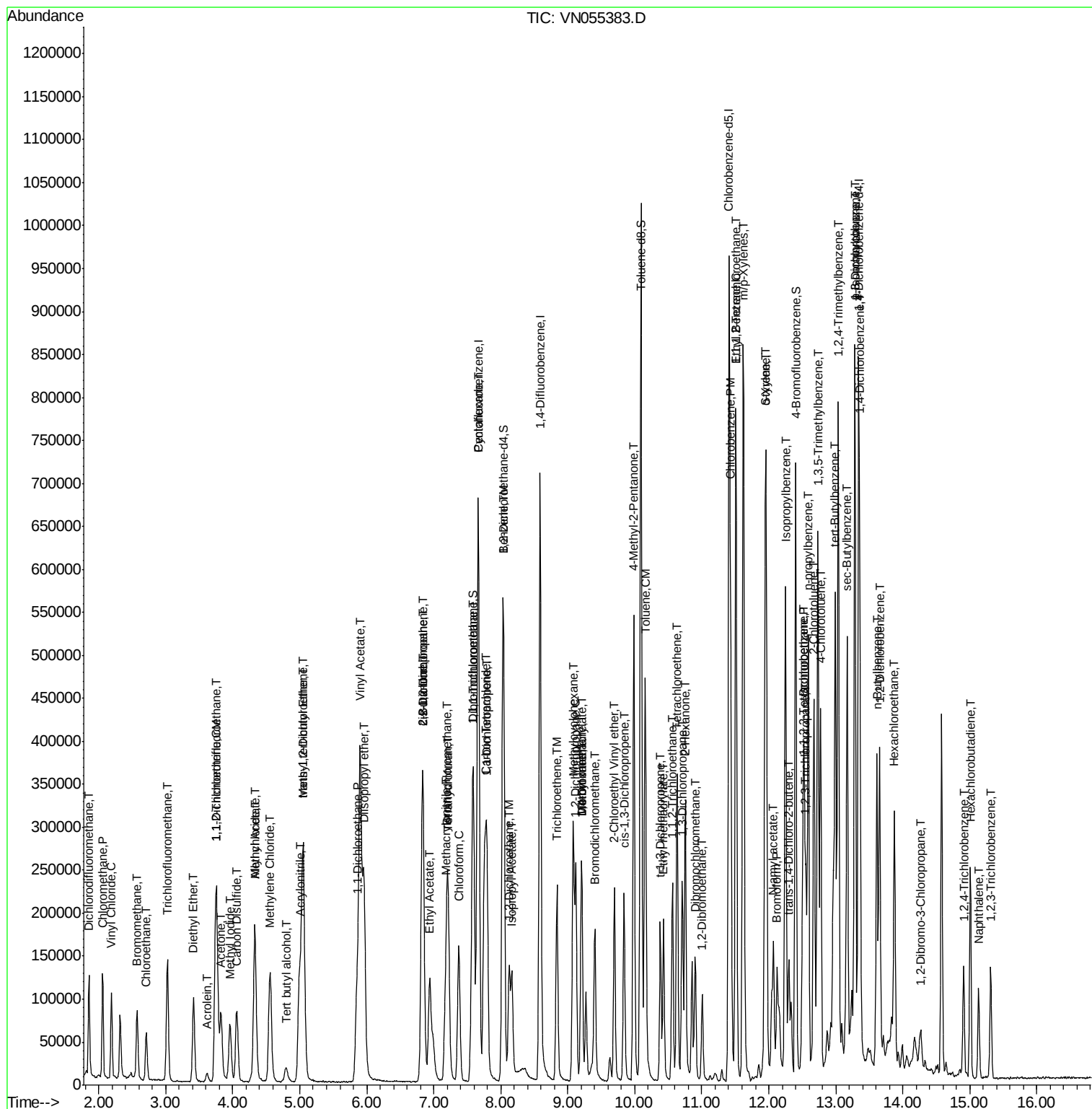
Data File : VN055383.D
Acq On : 3 May 2019 12:27
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Sample : VN0503WBS01
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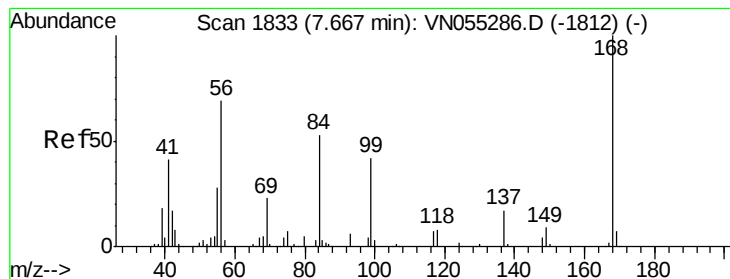
Instrument :
MSVOA_N
Client Sampled :
VN0503WBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:48:05 AM

Quant Time: May 04 00:02:05 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion:168 Resp: 403894

Ion Ratio Lower Upper

168 100

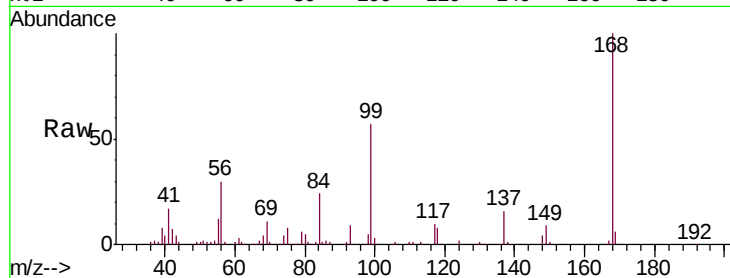
99 55.8 43.6 65.4

Manual Integrations

APPROVED

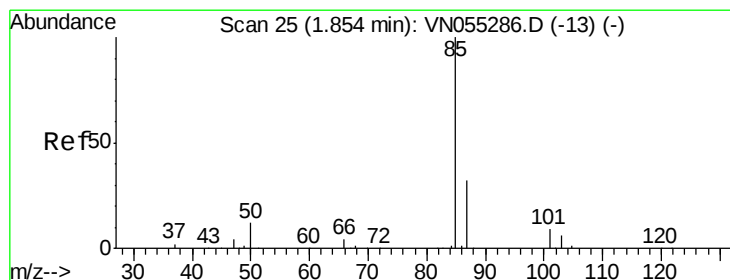
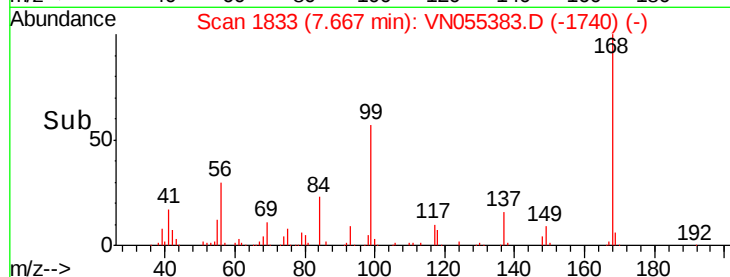
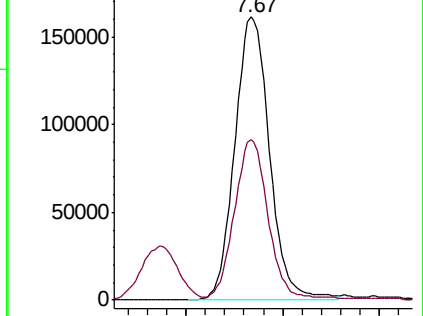
MMDadoda

5/6/2019 10:48:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.178 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055383.D

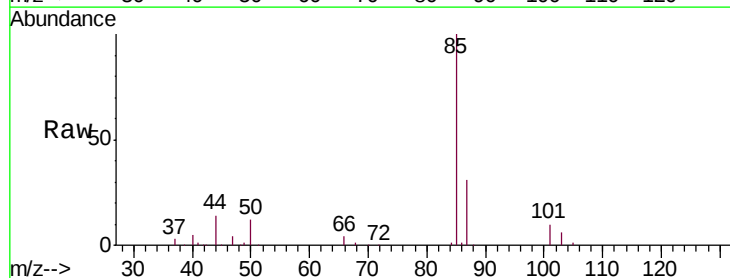
Acq: 3 May 2019 12:27

Tgt Ion: 85 Resp: 89953

Ion Ratio Lower Upper

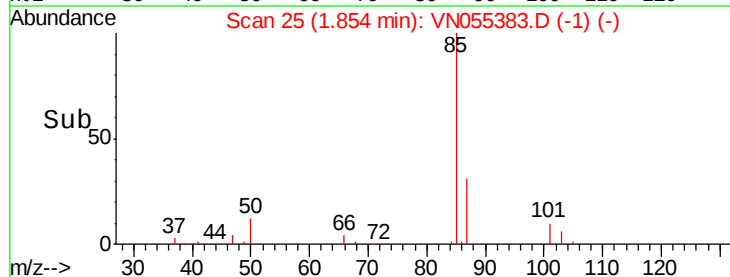
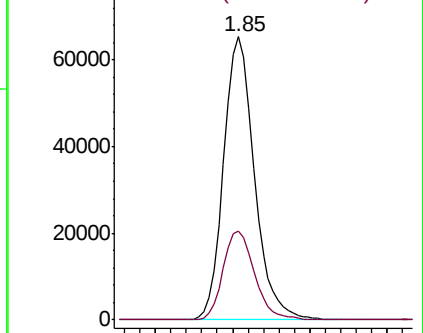
85 100

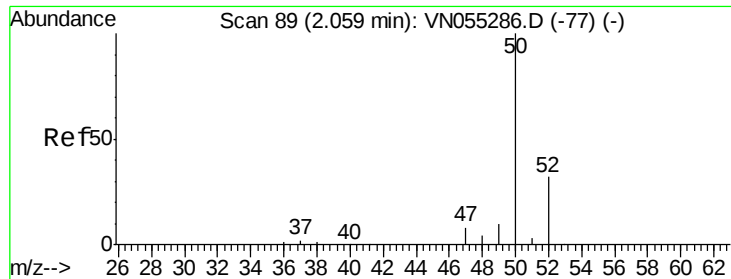
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.220 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 50 Resp: 105517

Ion Ratio Lower Upper

50 100

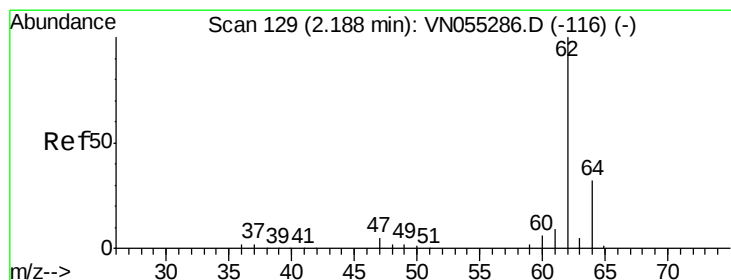
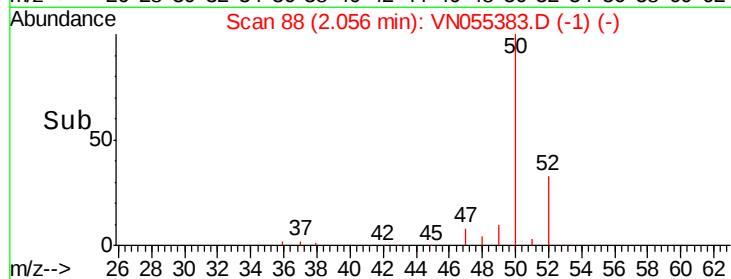
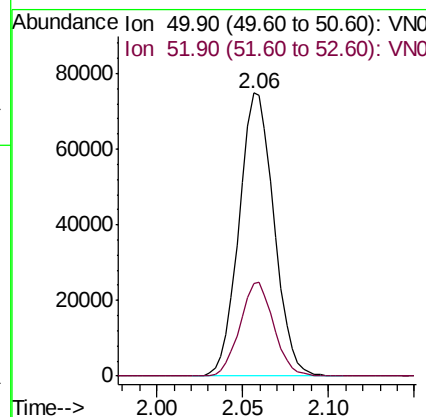
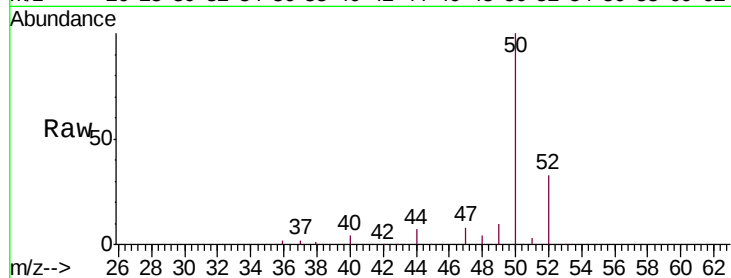
52 32.9 25.7 38.5

Manual Integrations

APPROVED

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5/6/2019 10:48:05 AM



#4

Vinyl Chloride

Concen: 18.219 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055383.D

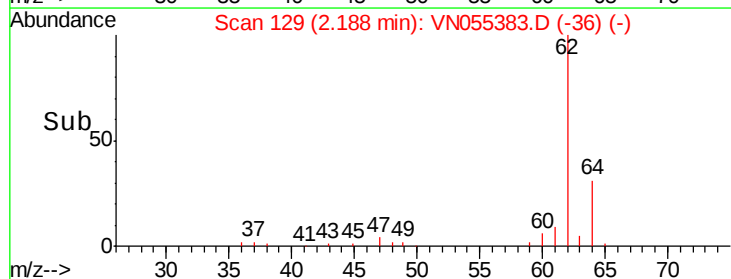
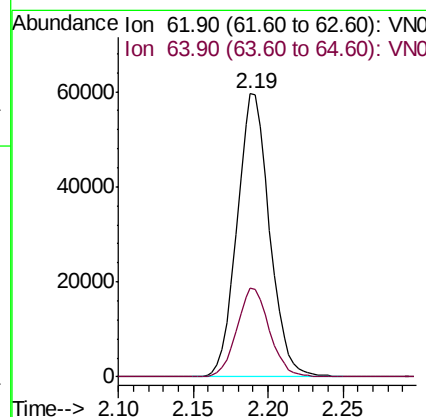
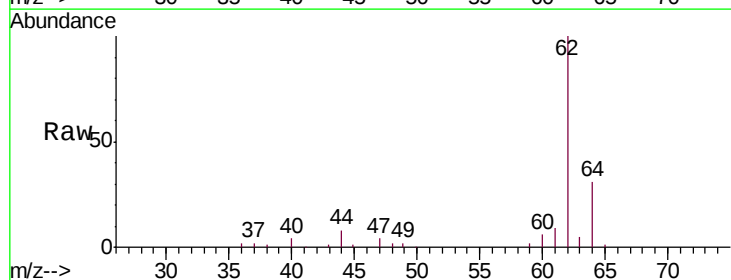
Acq: 3 May 2019 12:27

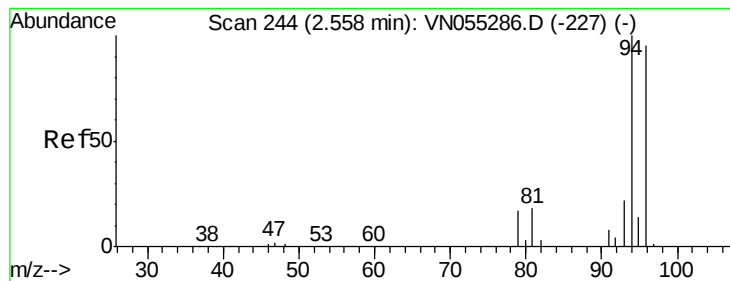
Tgt Ion: 62 Resp: 89990

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 19.291 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBS01

Tgt Ion: 94 Resp: 50472

Ion Ratio Lower Upper

94 100

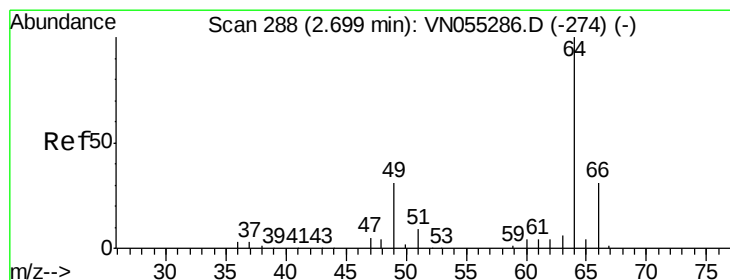
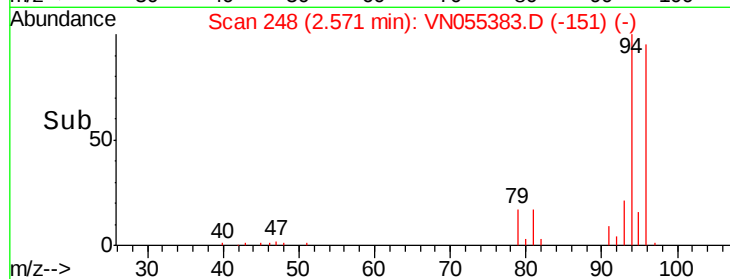
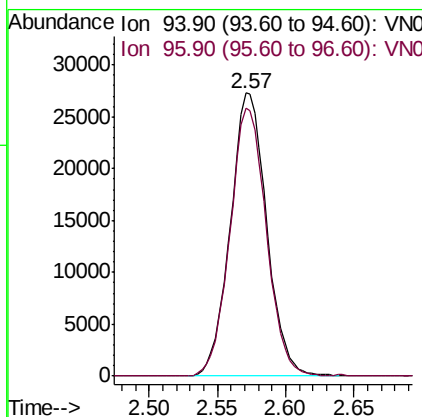
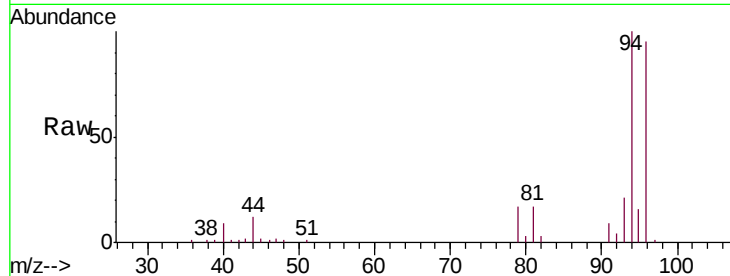
96 94.7 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 19.270 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN055383.D

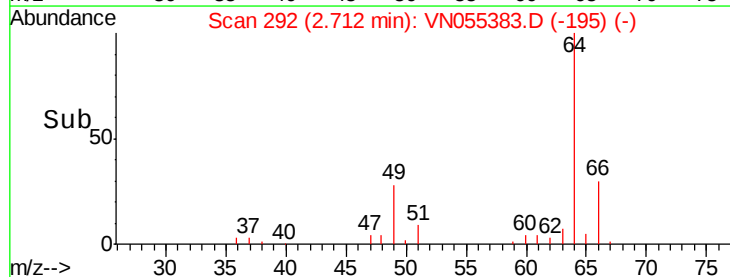
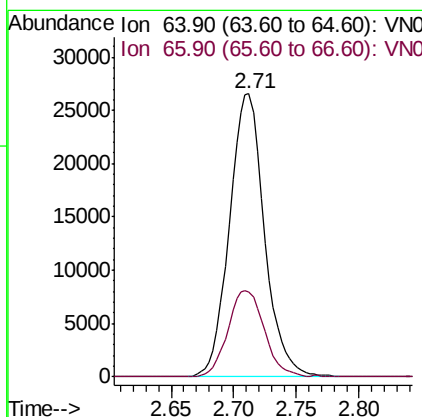
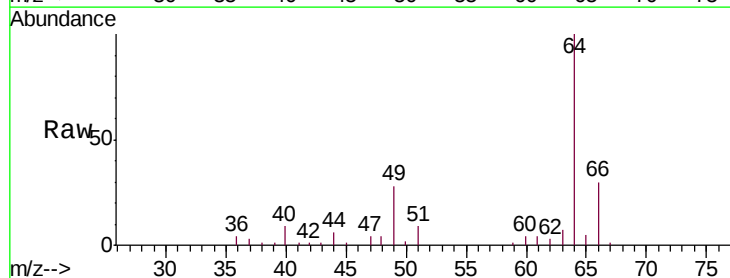
Acq: 3 May 2019 12:27

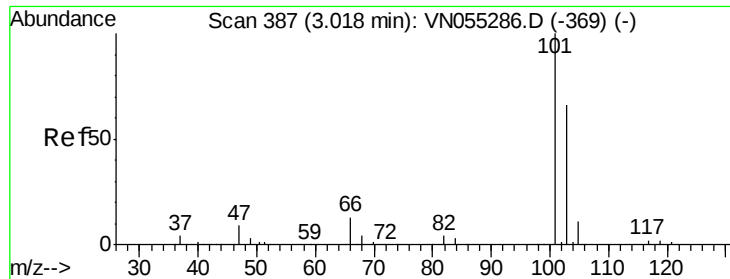
Tgt Ion: 64 Resp: 51563

Ion Ratio Lower Upper

64 100

66 30.2 25.0 37.4





#7

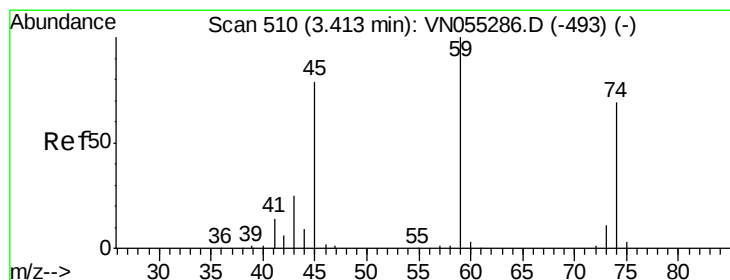
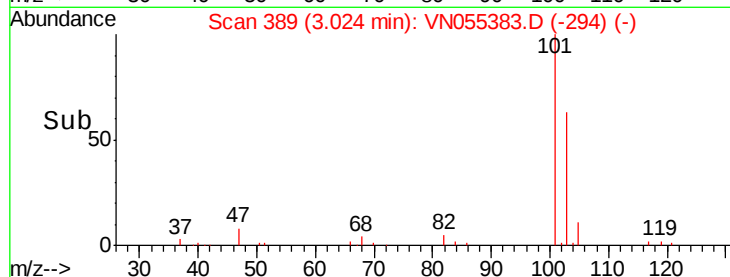
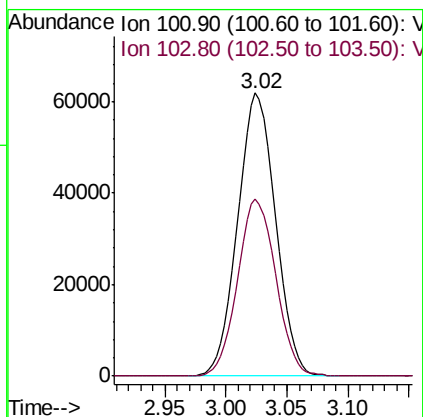
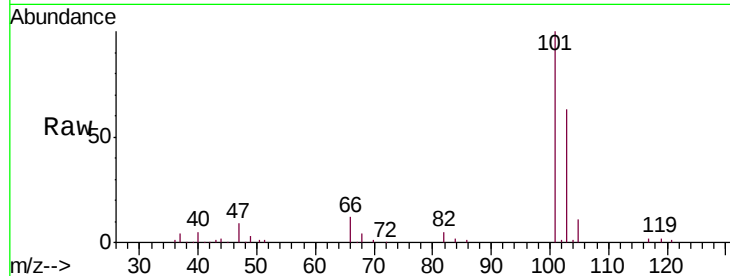
Trichlorofluoromethane
Concen: 18.929 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion: 101 Resp: 132951
Ion Ratio Lower Upper
101 100
103 62.6 52.6 79.0

Manual Integrations
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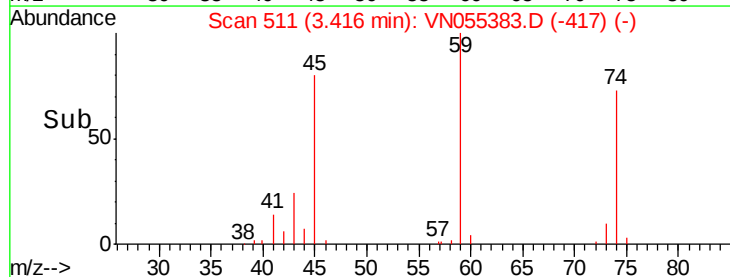
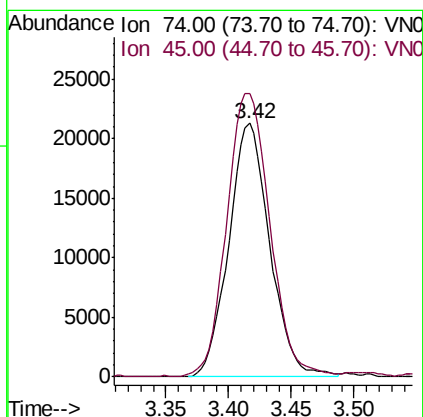
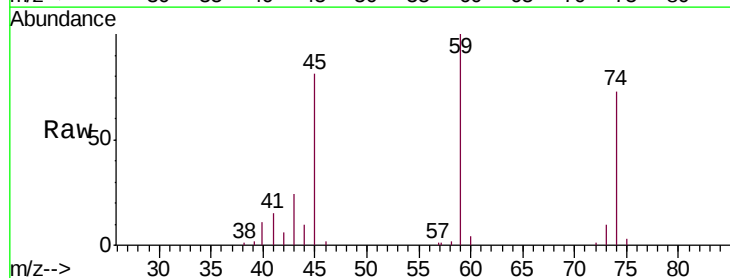
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5/6/2019 10:48:05 AM

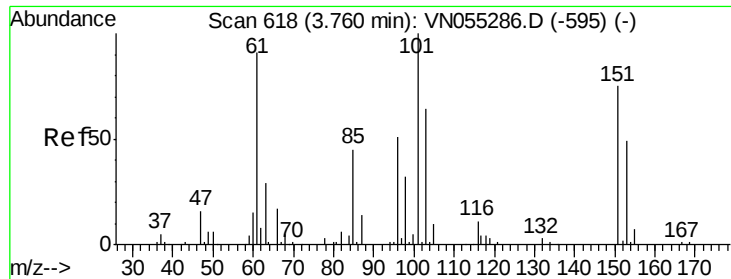


#8

Diethyl Ether
Concen: 19.684 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion: 74 Resp: 48370
Ion Ratio Lower Upper
74 100
45 118.1 58.9 176.6





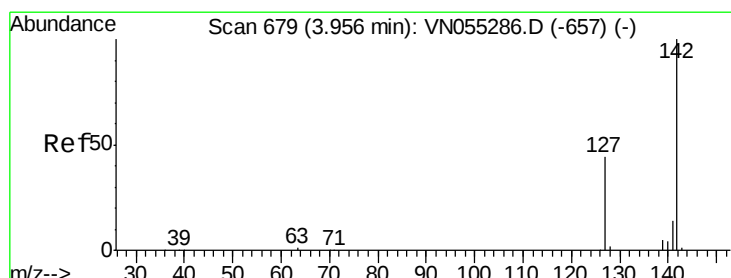
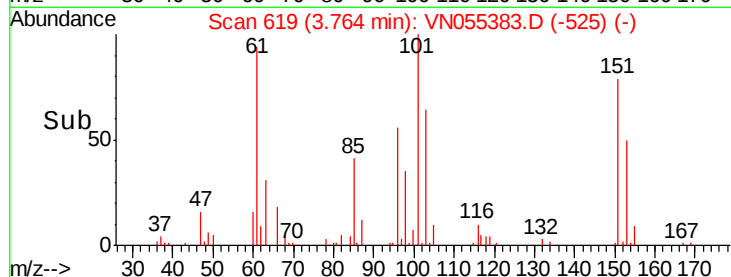
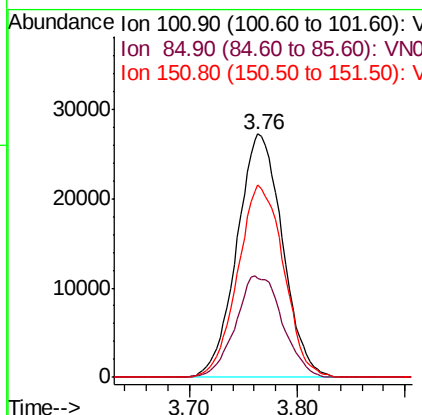
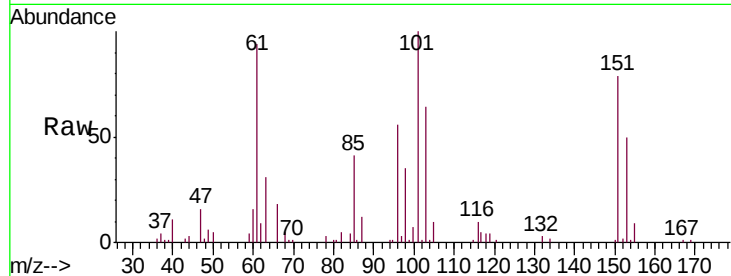
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.085 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	79822		
85	42.9	35.7	53.5	
151	79.7	63.3	94.9	

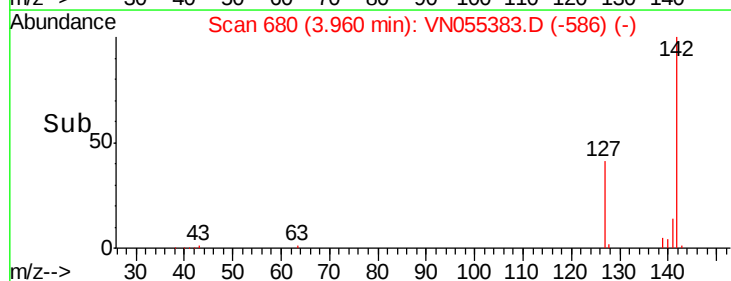
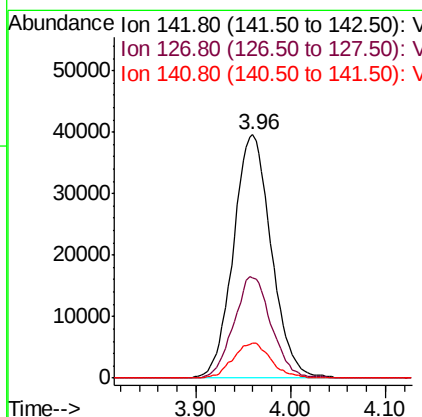
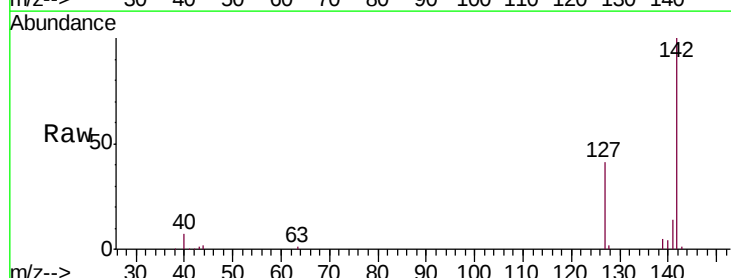
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#10
 Methyl Iodide
 Concen: 18.731 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110249		
127	41.3	34.4	51.6	
141	14.3	11.5	17.3	





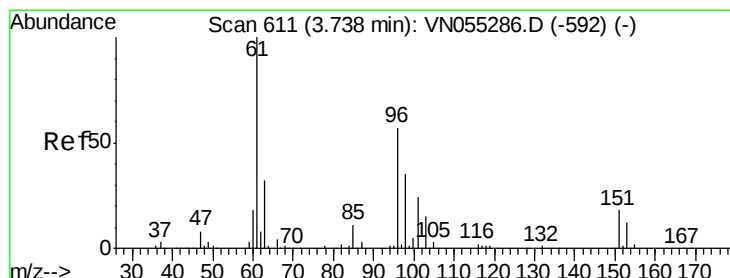
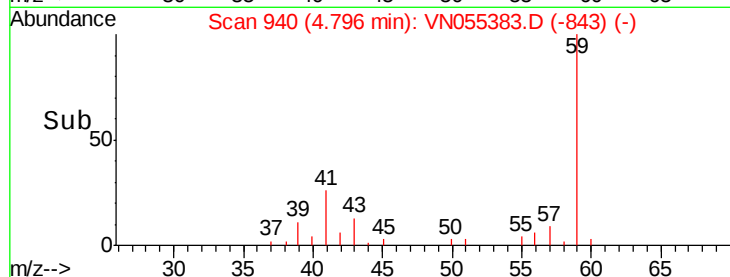
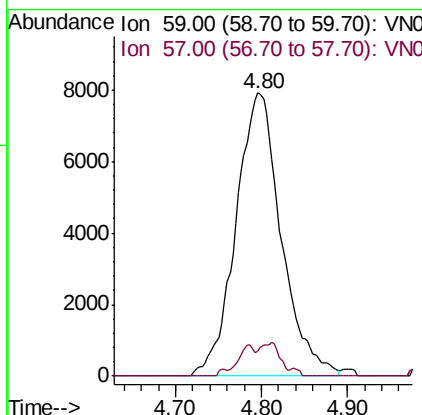
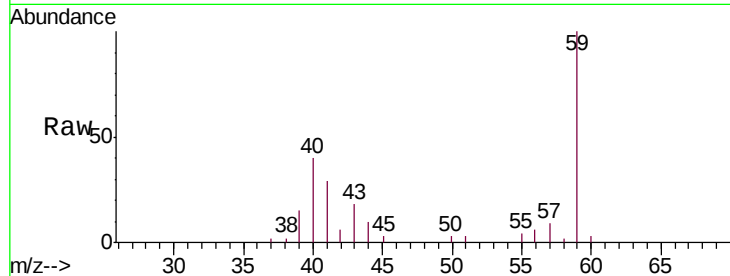
#11
Tert butyl alcohol
Concen: 95.899 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

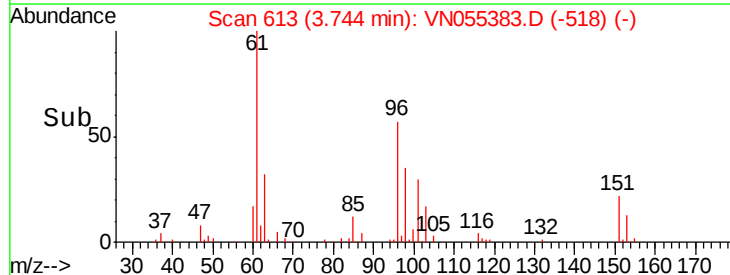
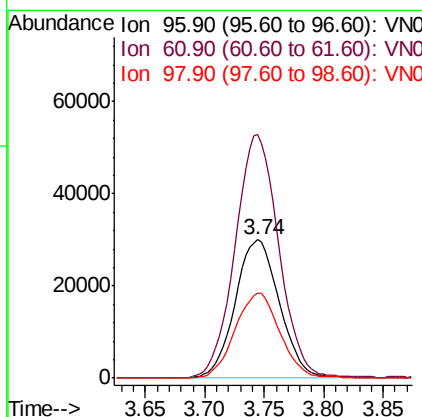
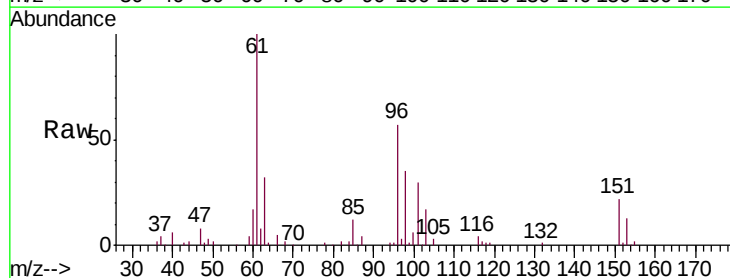
Manual Integrations
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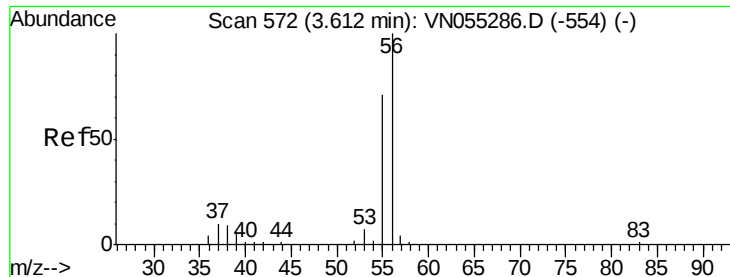
MMDadoda
5/6/2019 10:48:05 AM



#12
1,1-Dichloroethene
Concen: 19.390 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.7	140.9	211.3
98	61.9	50.0	75.0





#13

Acrolein

Concen: 50.294 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 56 Resp: 11882

Ion Ratio Lower Upper

56 100

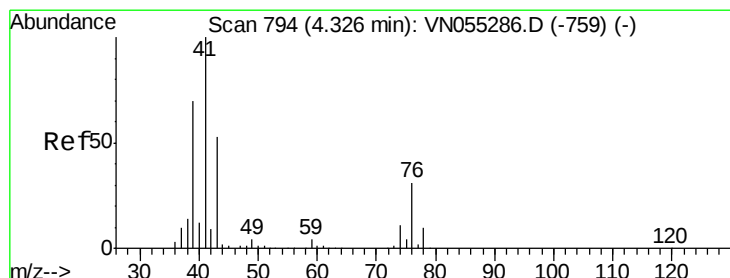
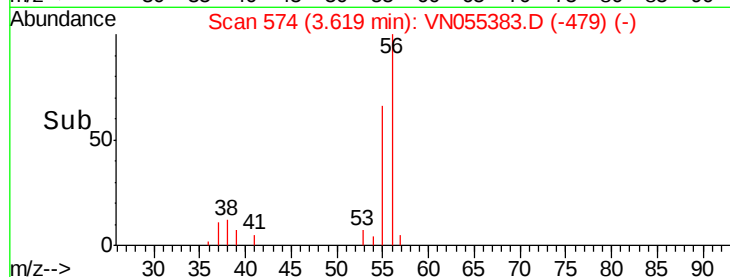
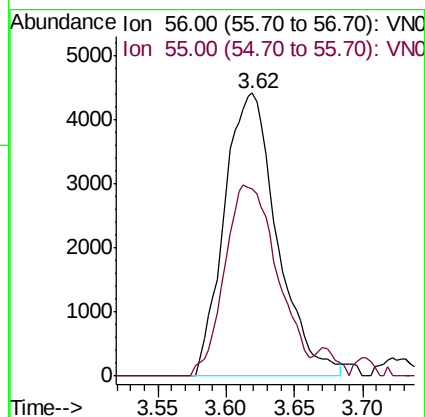
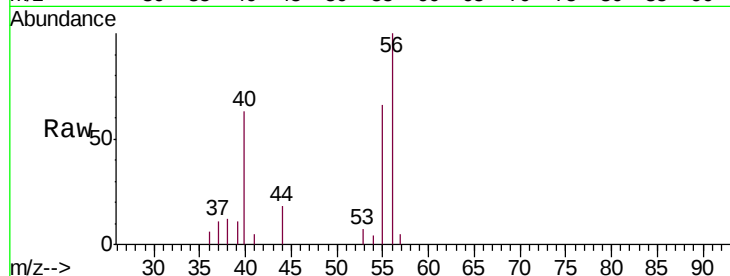
55 67.2 57.4 86.2

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#14

Allyl chloride

Concen: 19.235 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

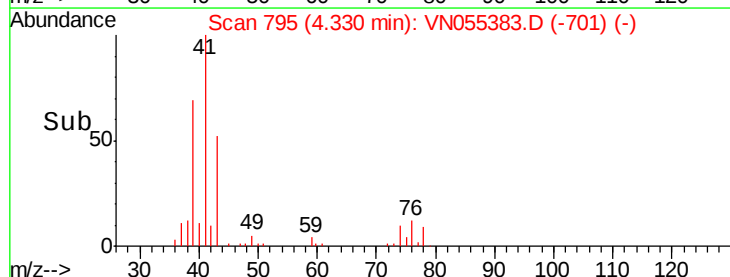
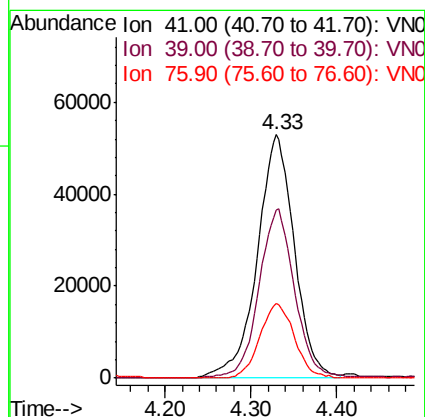
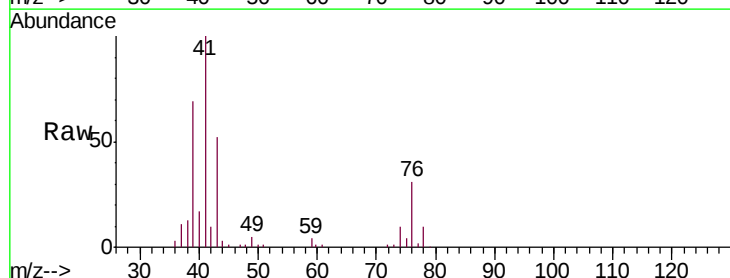
Tgt Ion: 41 Resp: 158943

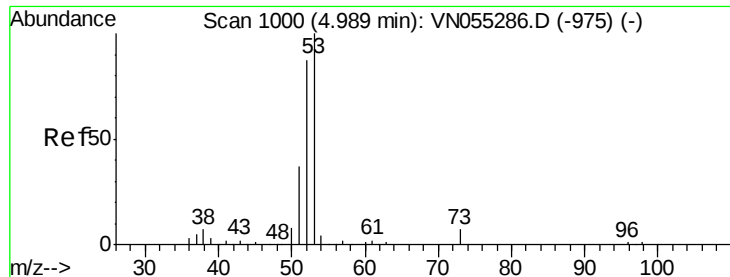
Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

76 28.7 22.7 34.1





#15

Acrylonitrile

Concen: 95.597 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

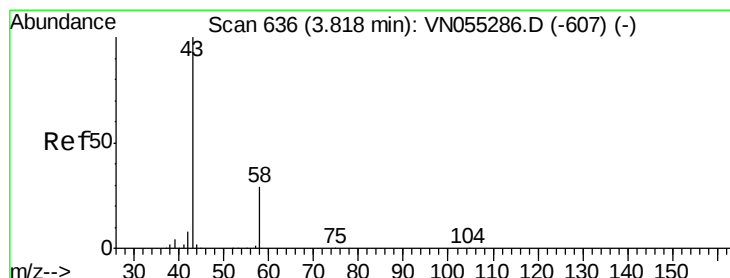
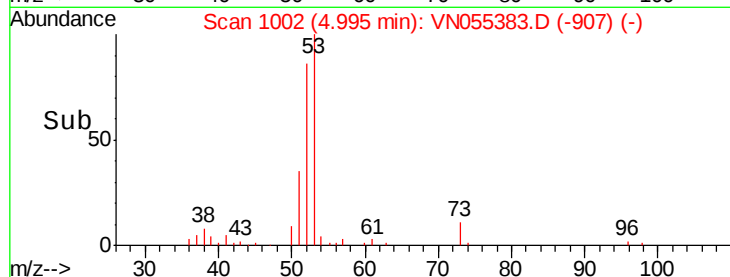
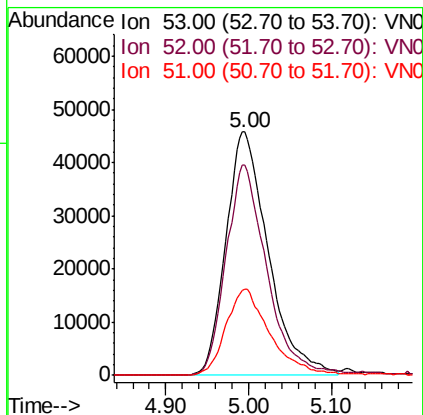
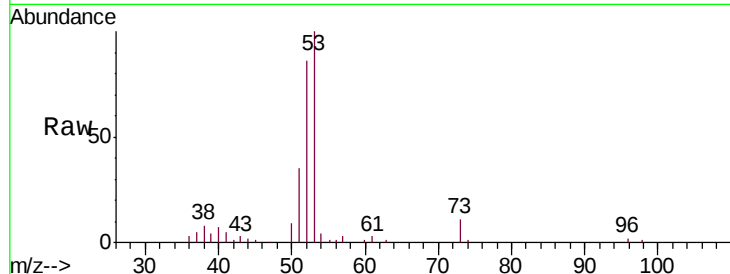
ClientSampleId :

VN0503WBS01

Tgt Ion:	53	Resp:	162554
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.7	29.6	44.4

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#16

Acetone

Concen: 82.725 ug/l

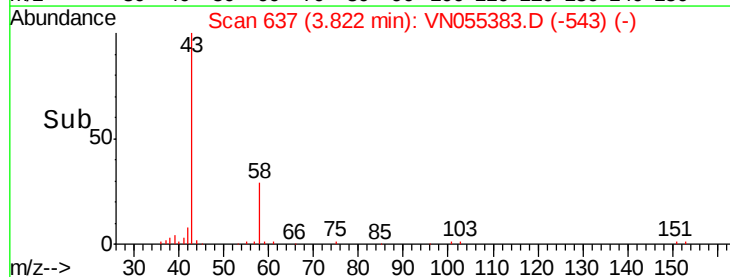
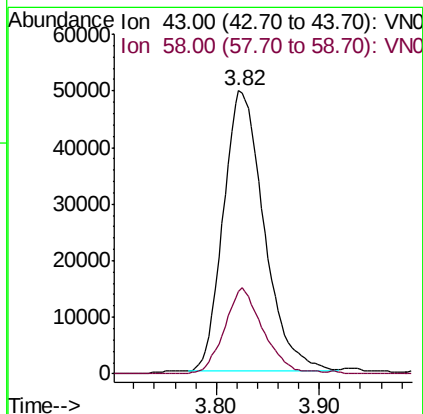
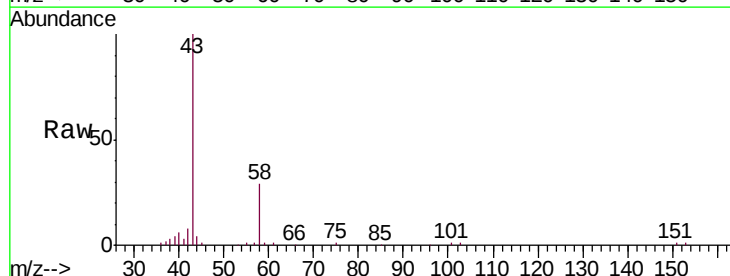
RT: 3.82 min Scan# 637

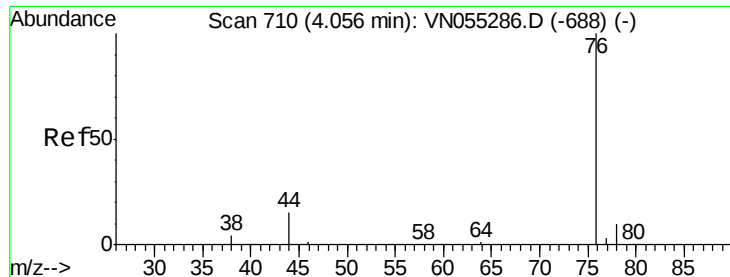
Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	43	Resp:	136197
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4





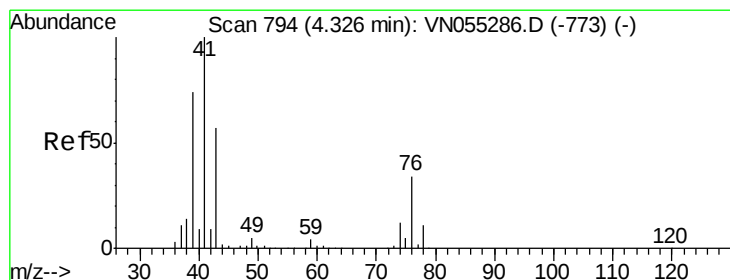
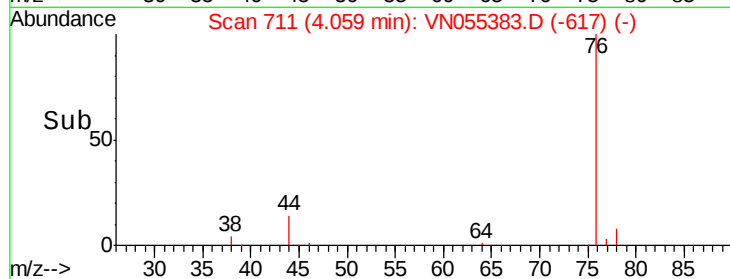
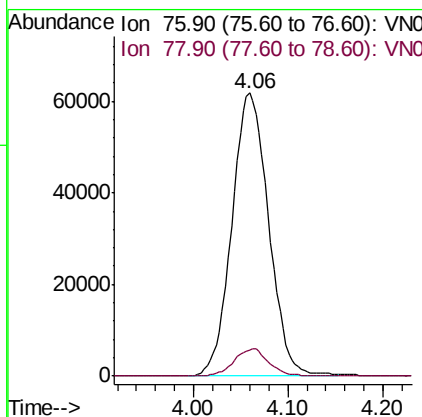
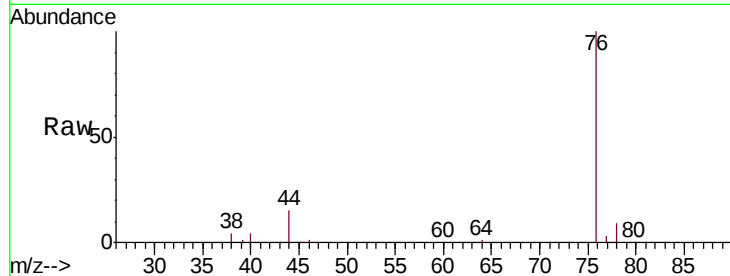
#17
Carbon Disulfide
Concen: 16.031 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion: 76 Resp: 166919
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

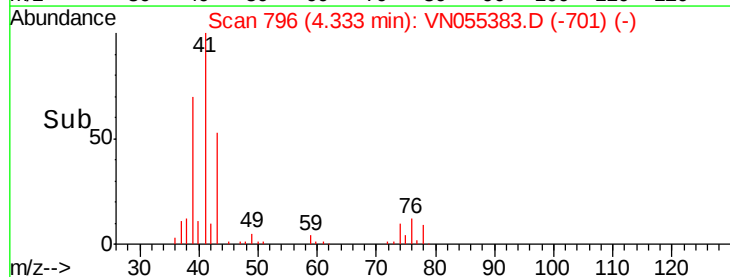
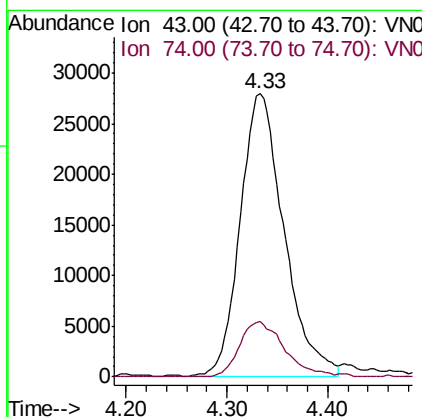
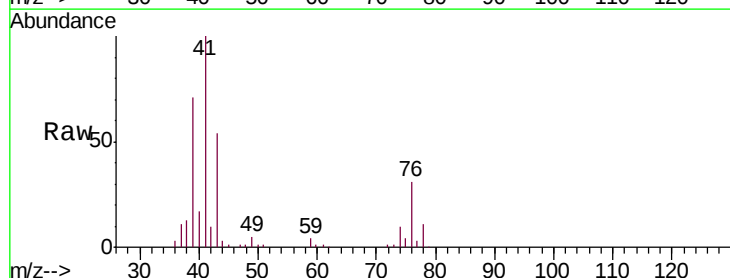
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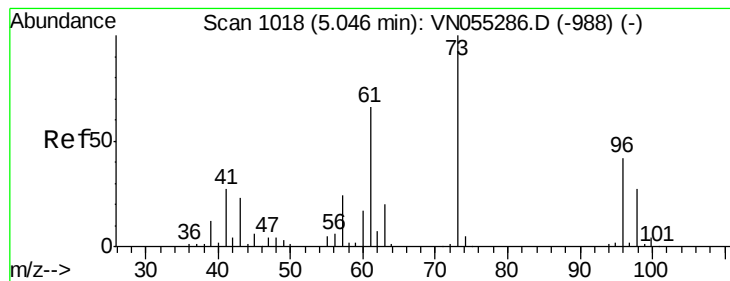
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#18
Methyl Acetate
Concen: 20.467 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion: 43 Resp: 84539
Ion Ratio Lower Upper
43 100
74 20.0 15.8 23.8





#19

Methyl tert-butyl Ether

Concen: 20.489 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBS01

Tgt Ion: 73 Resp: 229813

Ion Ratio Lower Upper

73 100

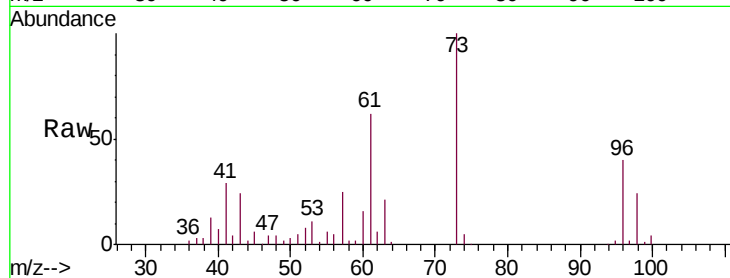
57 24.9 19.1 28.7

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Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

5.05

60000

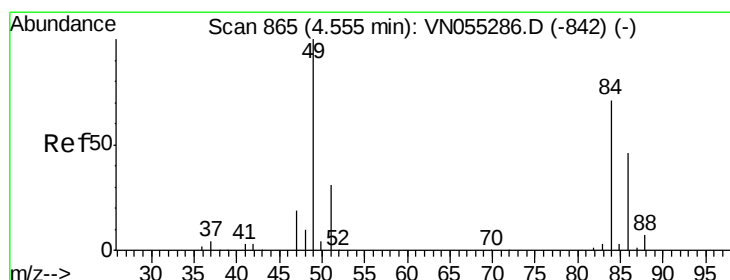
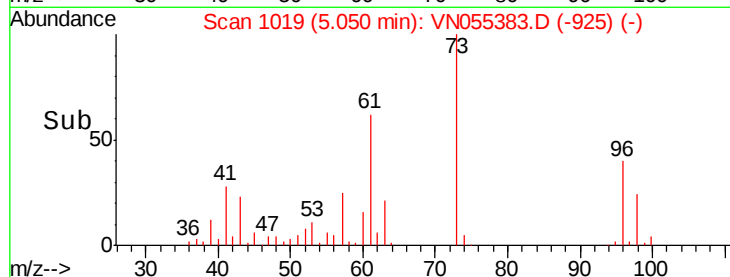
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 17.659 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion: 84 Resp: 88741

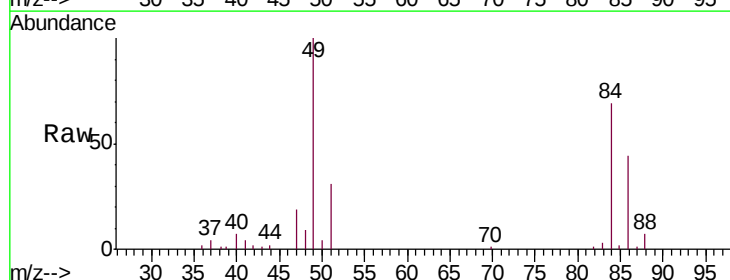
Ion Ratio Lower Upper

84 100

49 144.0 112.4 168.6

51 44.0 34.6 51.8

86 62.9 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

4.56

60000

50000

40000

30000

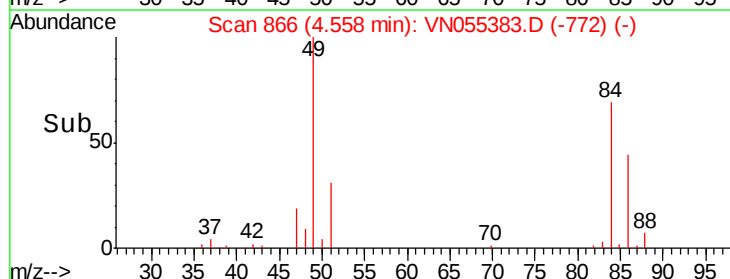
20000

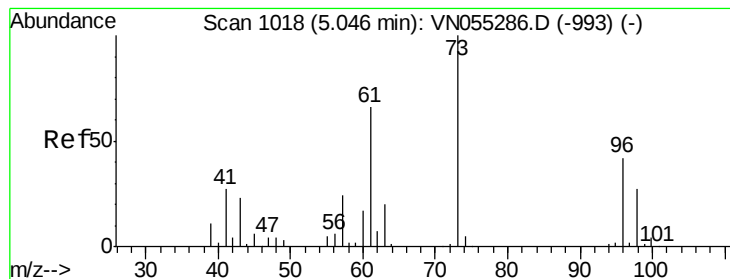
10000

0

Time-->

4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 18.520 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 96 Resp: 78256

Ion Ratio Lower Upper

96 100

61 149.1 126.2 189.4

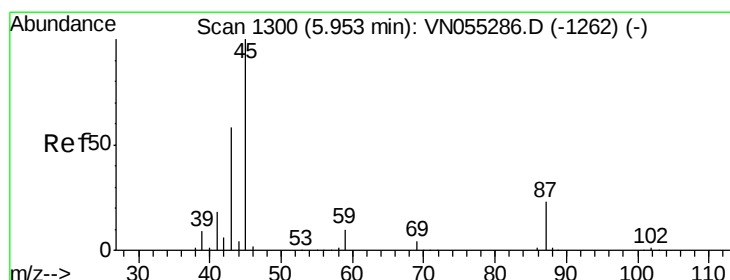
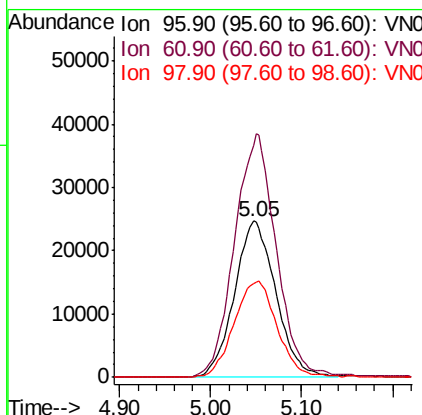
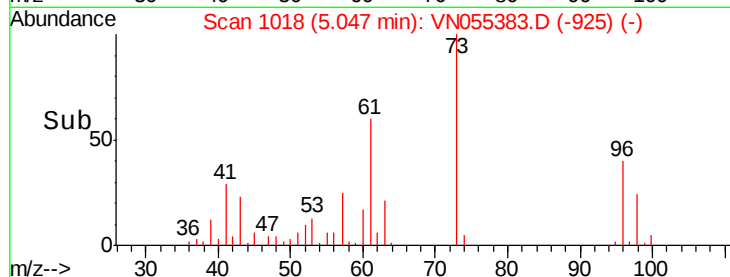
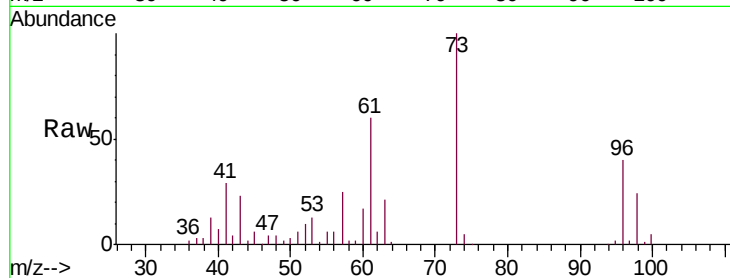
98 59.9 52.2 78.2

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#22

Diisopropyl ether

Concen: 20.588 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion: 45 Resp: 338023

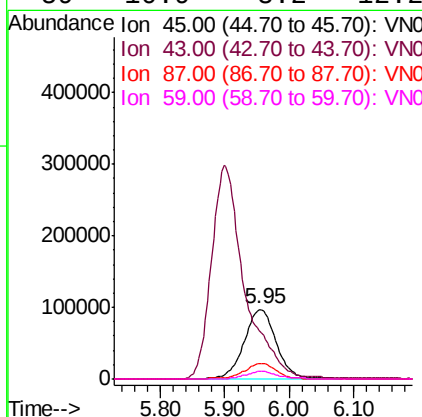
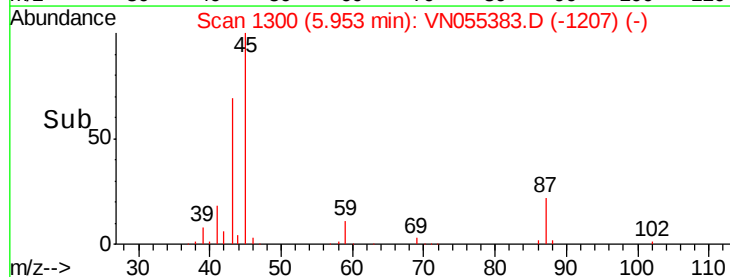
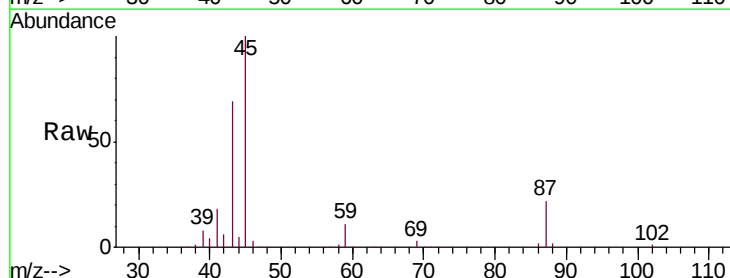
Ion Ratio Lower Upper

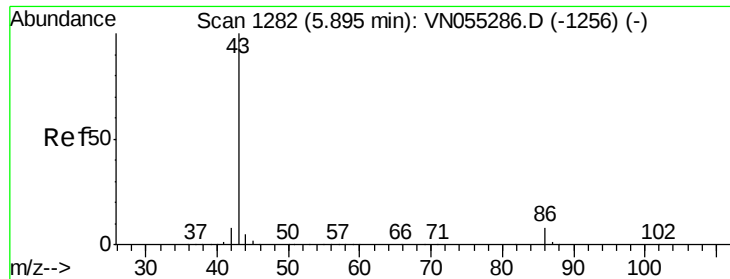
45 100

43 67.3 46.6 70.0

87 21.8 18.1 27.1

59 10.9 8.2 12.2





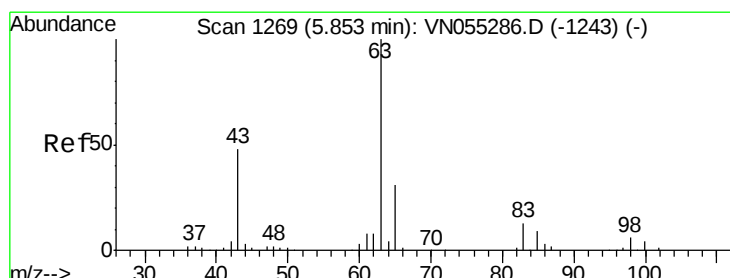
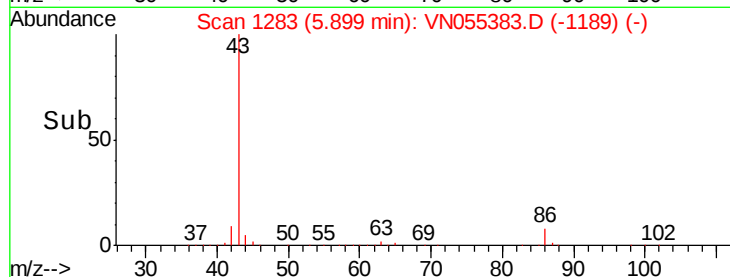
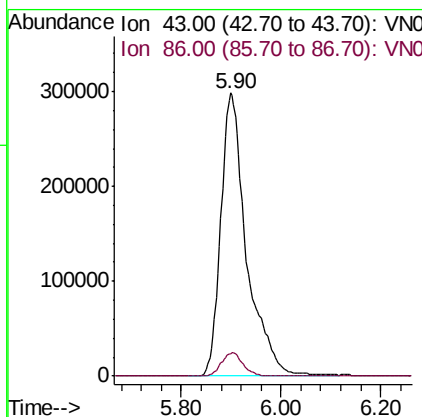
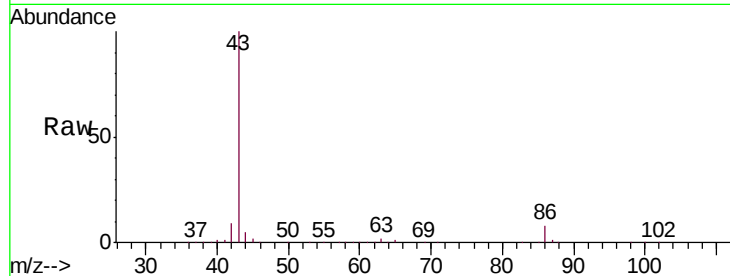
#23
 Vinyl Acetate
 Concen: 99.841 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBS01

Tgt Ion: 43 Resp: 1074344
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0

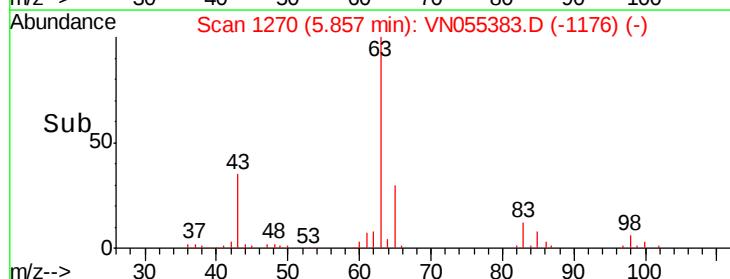
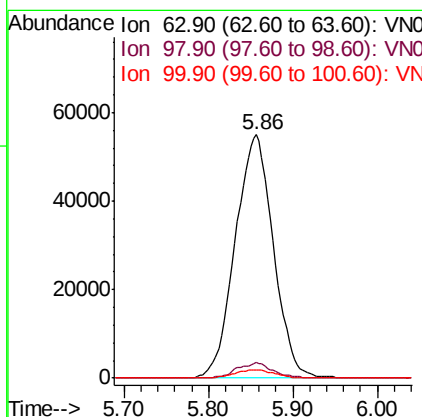
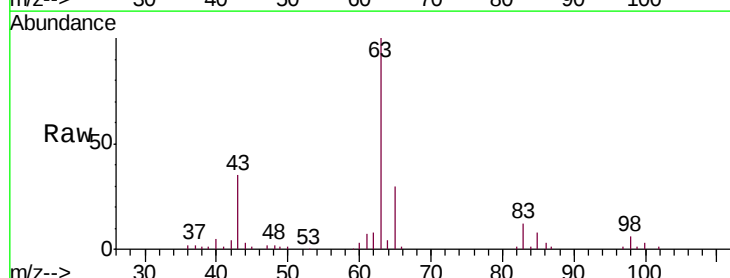
Manual Integrations
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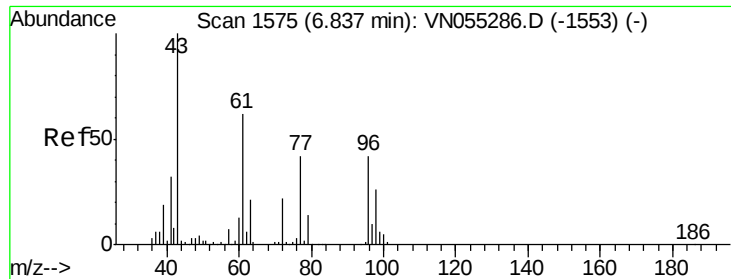
MMDadoda
 5/6/2019 10:48:05 AM



#24
 1,1-Dichloroethane
 Concen: 19.737 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion: 63 Resp: 172653
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 3.4 1.8 5.4





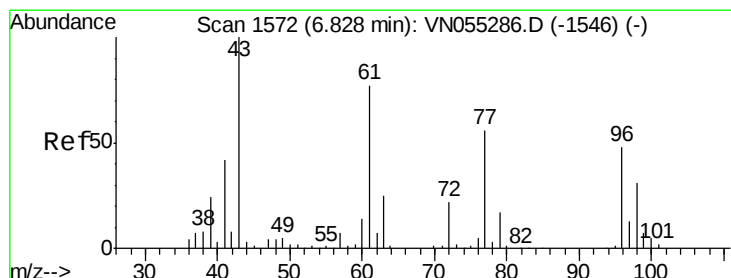
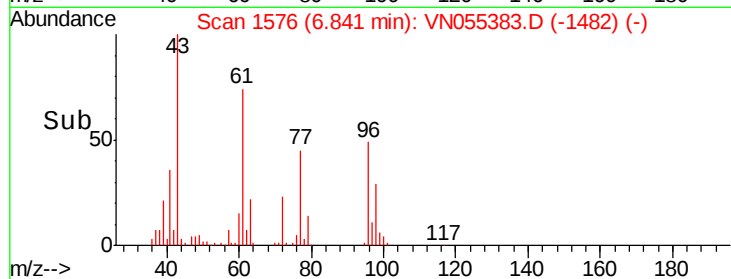
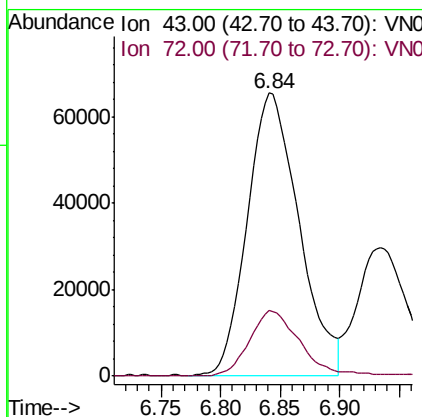
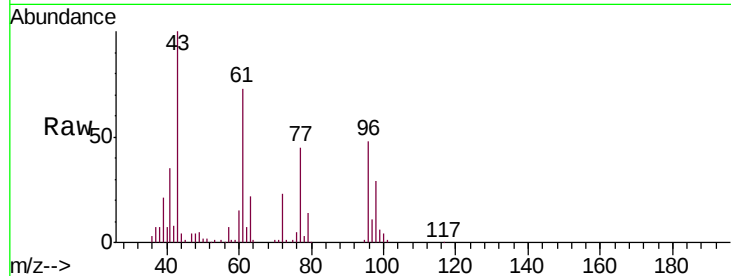
#25
2-Butanone
Concen: 93.079 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion: 43 Resp: 195979
Ion Ratio Lower Upper
43 100
72 23.2 18.0 27.0

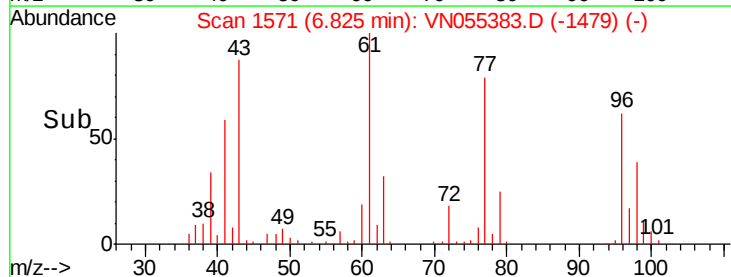
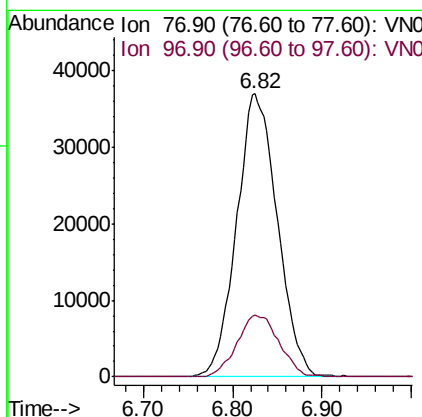
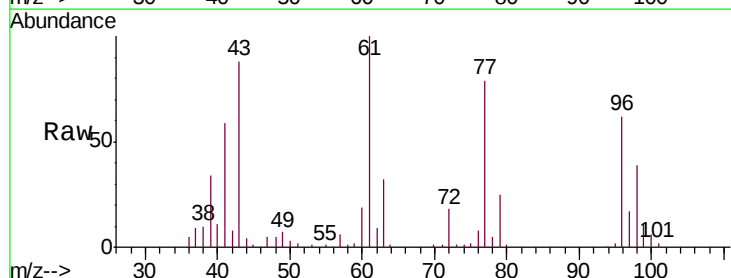
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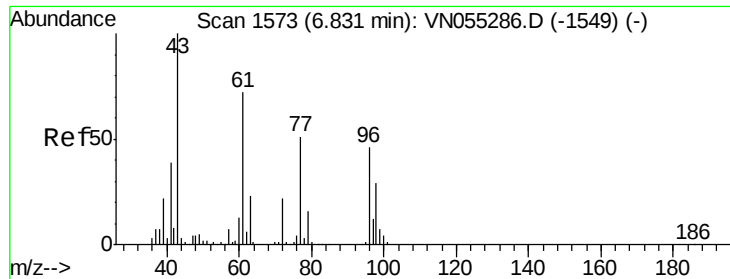
MMDadoda
5/6/2019 10:48:05 AM



#26
2,2-Dichloropropane
Concen: 19.414 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion: 77 Resp: 117278
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

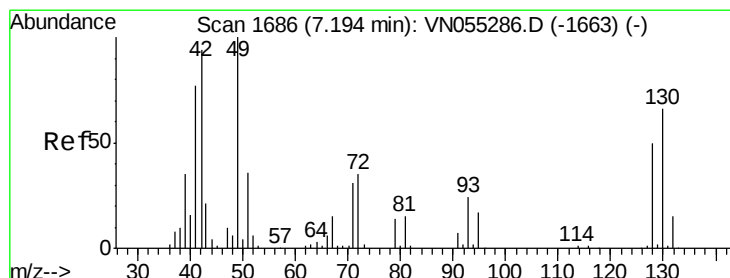
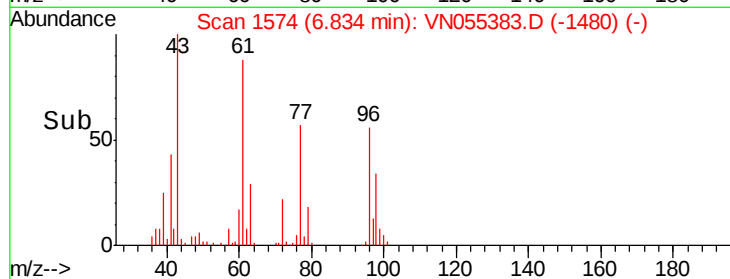
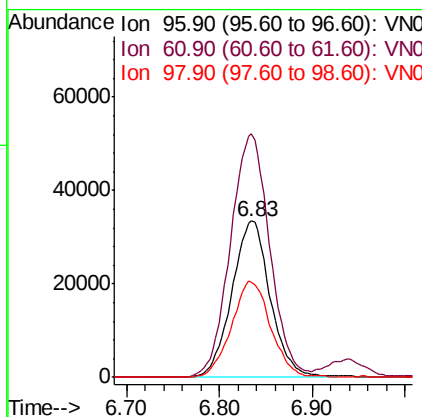
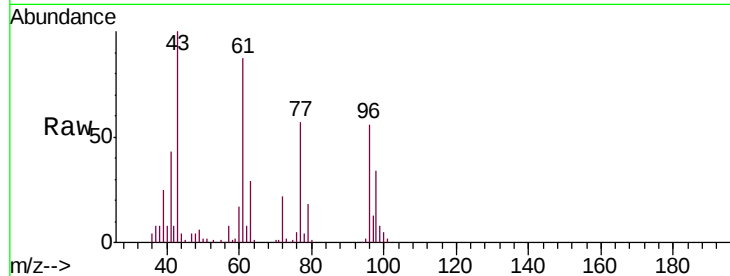
ClientSampled :

VN0503WBS01

Tgt Ion:	96	Resp:	96097
Ion Ratio	Lower	Upper	
96	100		
61	159.6	0.0	316.2
98	62.4	0.0	126.6

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#28

Bromochloromethane

Concen: 20.079 ug/l

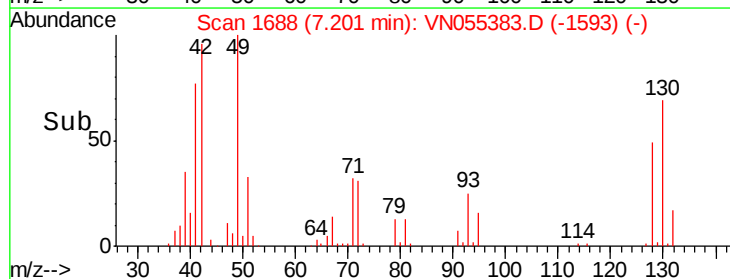
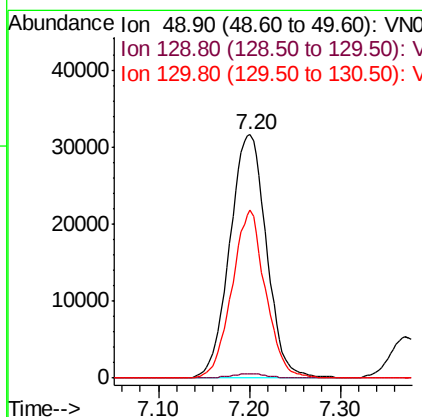
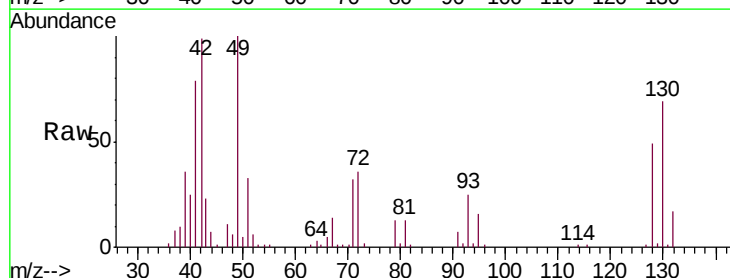
RT: 7.20 min Scan# 1688

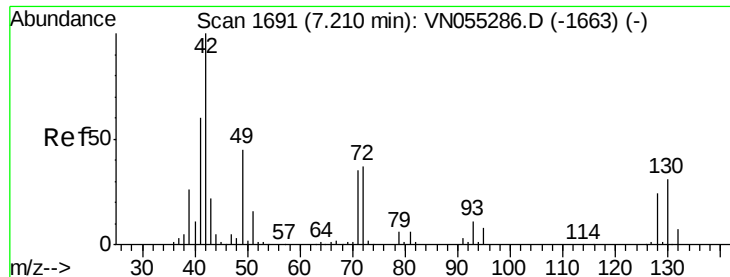
Delta R.T. 0.01 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	49	Resp:	88540
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	2.4
130	63.2	52.0	78.0





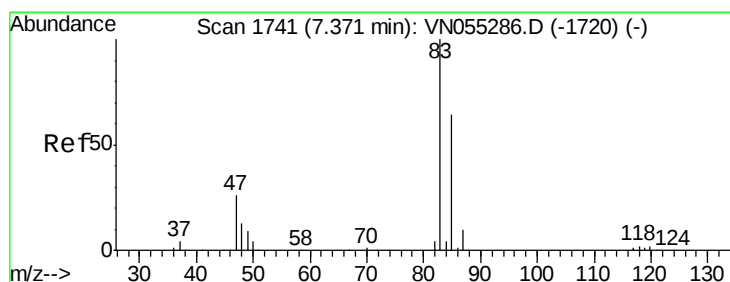
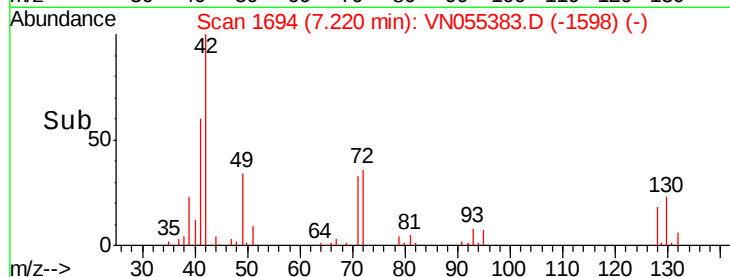
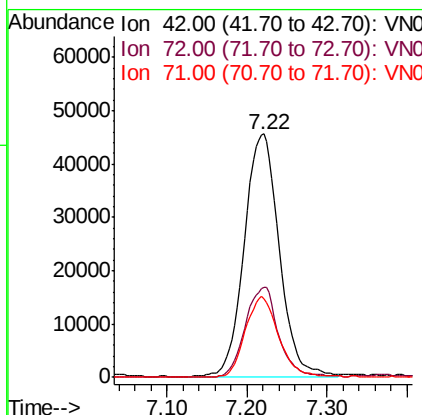
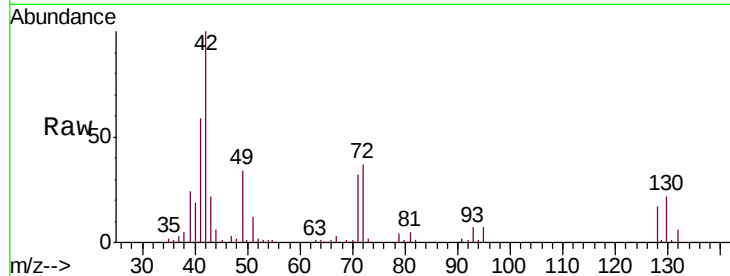
#29
Tetrahydrofuran
Concen: 101.419 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.5	29.0	43.6
71	31.6	27.1	40.7

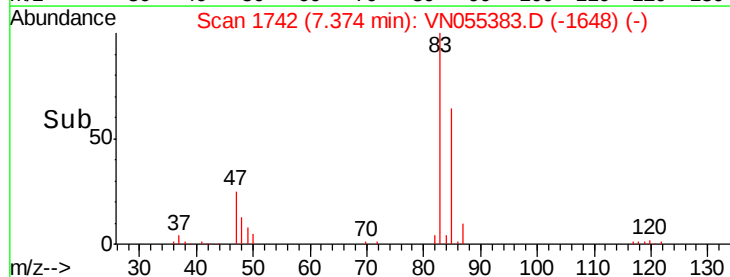
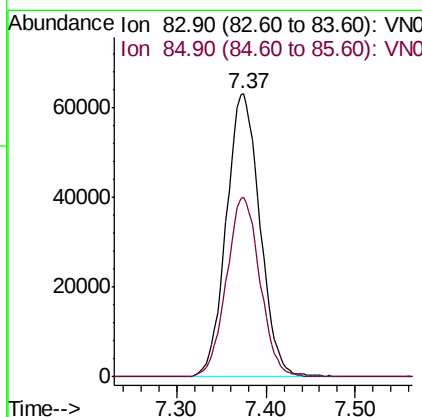
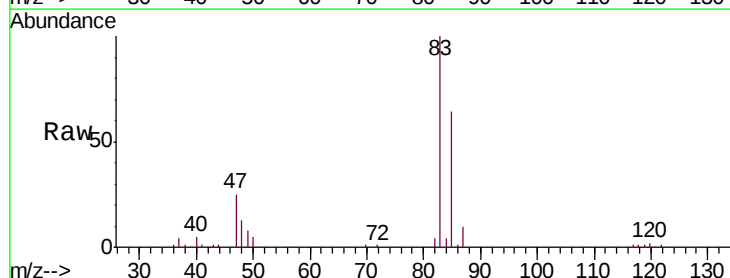
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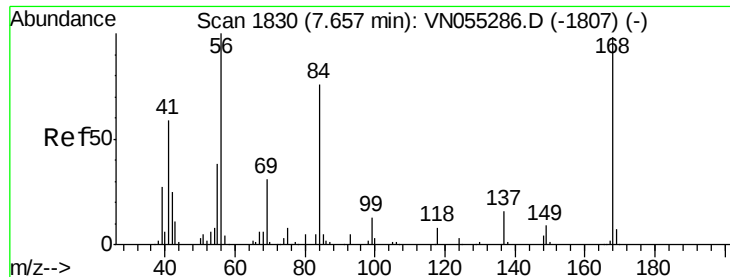
MMDadoda
5/6/2019 10:48:05 AM



#30
Chloroform
Concen: 19.940 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





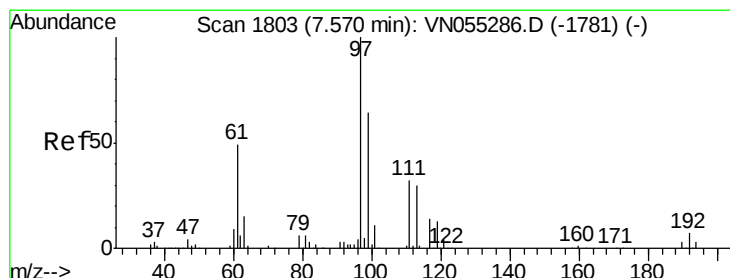
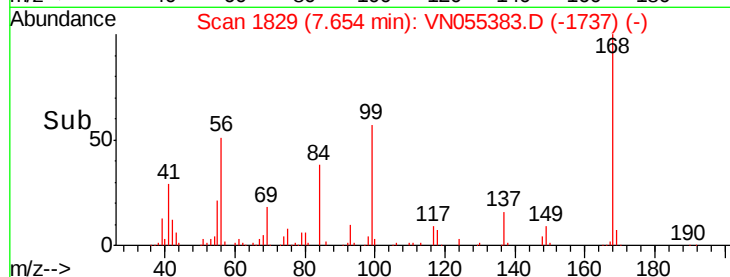
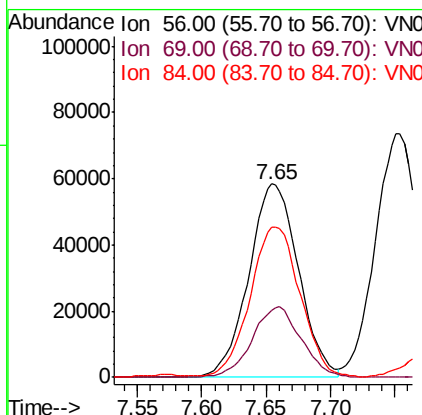
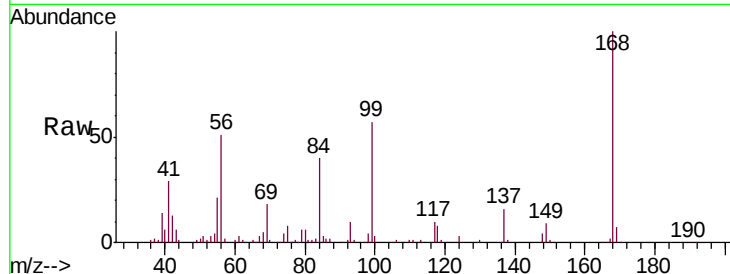
#31
Cyclohexane
Concen: 18.833 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.2	37.8
84	76.9	61.1	91.7

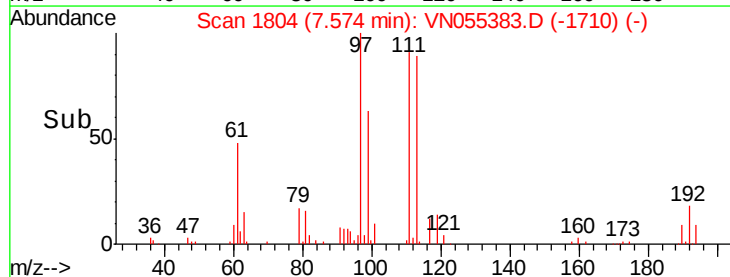
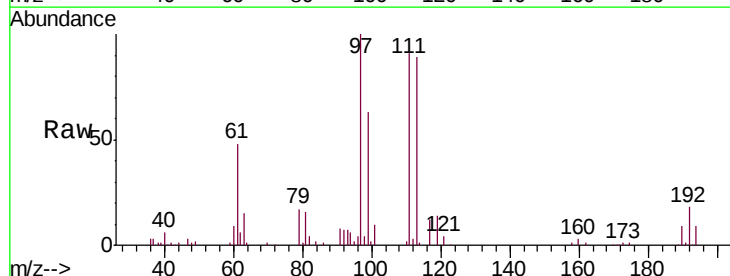
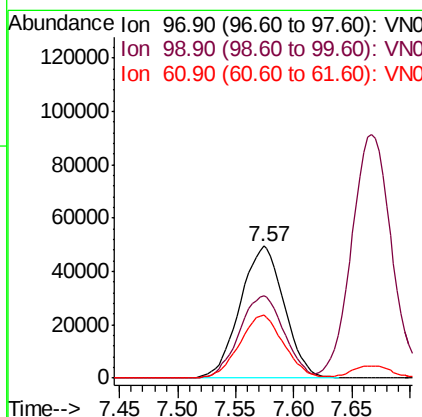
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#32
1,1,1-Trichloroethane
Concen: 19.423 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	48.0	39.0	58.6





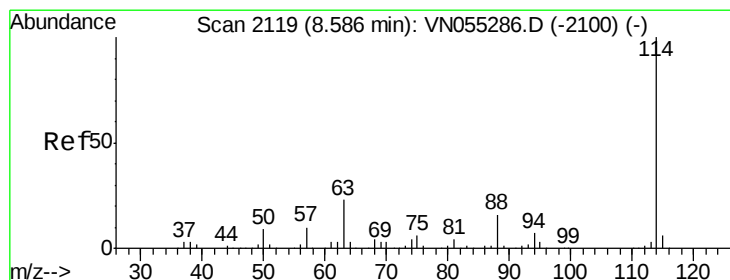
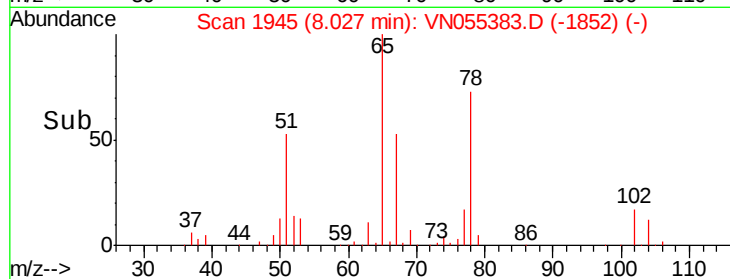
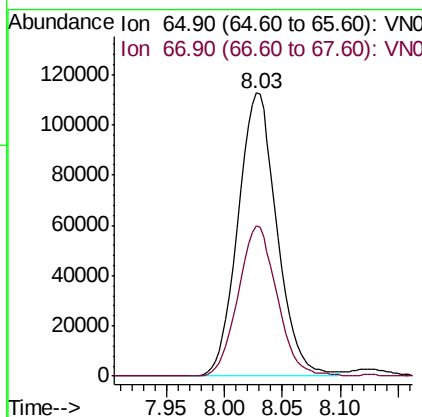
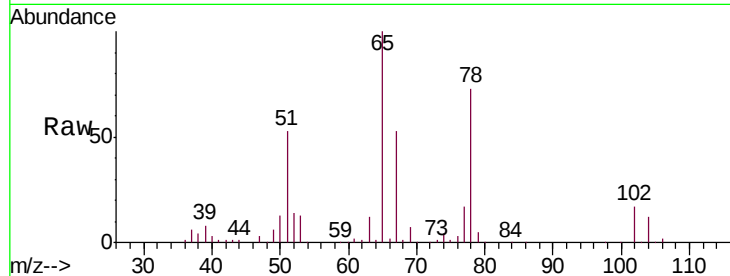
#33
 1,2-Dichloroethane-d4
 Concen: 49.756 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	262902		
67	52.9	0.0	106.8	

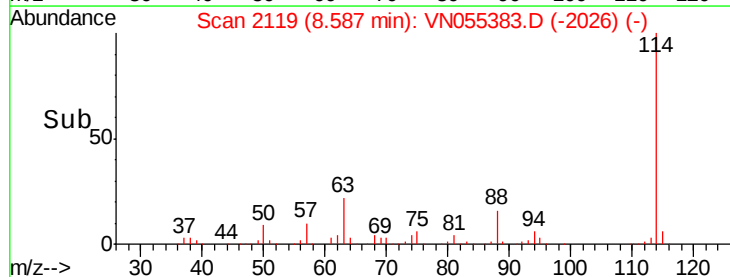
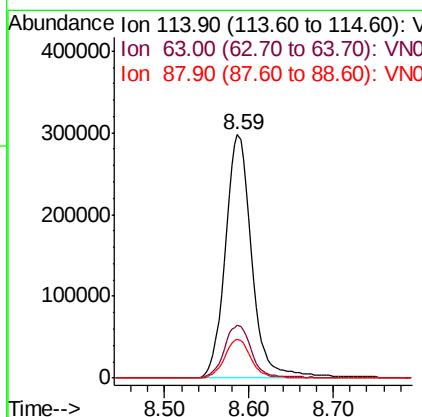
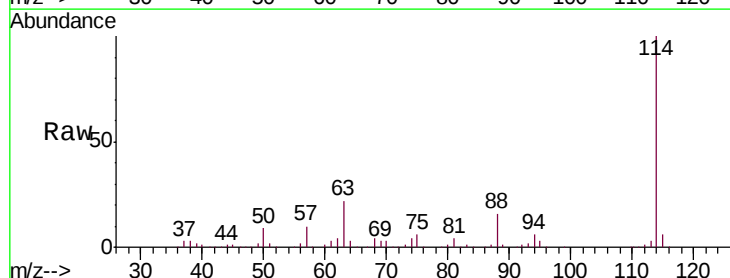
Manual Integrations
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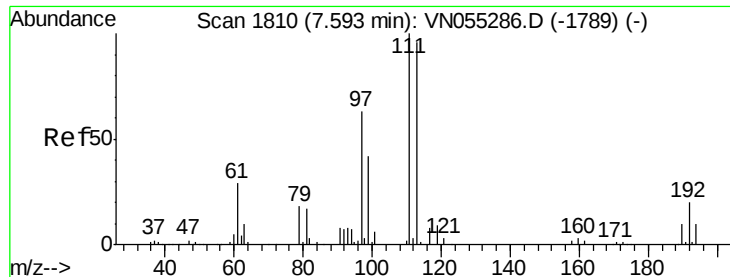
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 5/6/2019 10:48:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	648581		
63	21.6	0.0	45.2	
88	15.8	0.0	31.6	





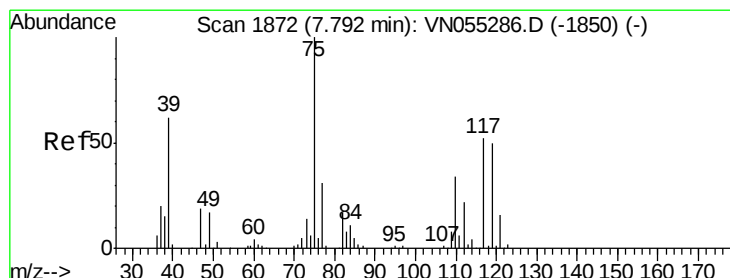
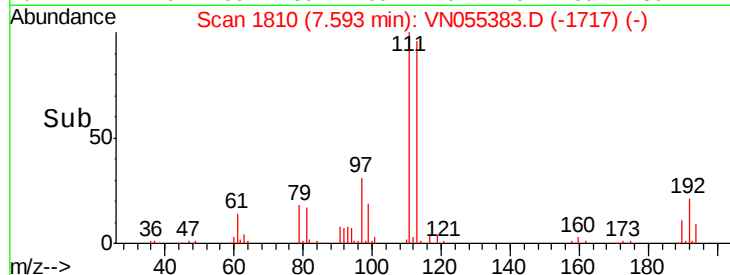
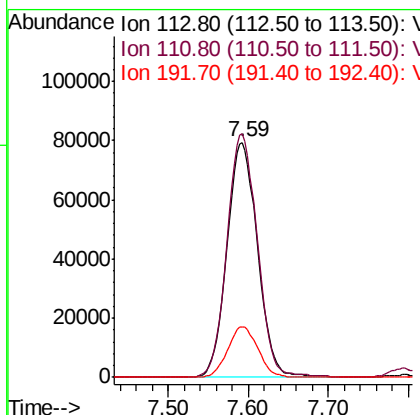
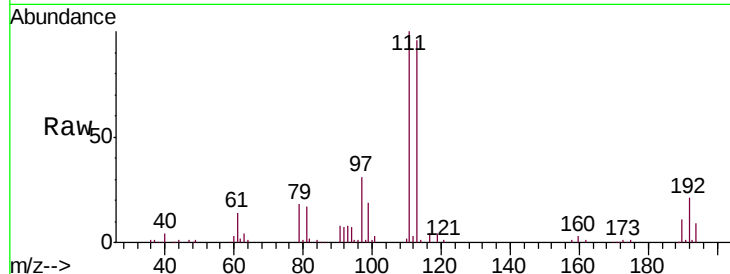
#35
Dibromofluoromethane
Concen: 48.385 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	205977		
111	103.2	82.3	123.5	
192	21.2	17.0	25.6	

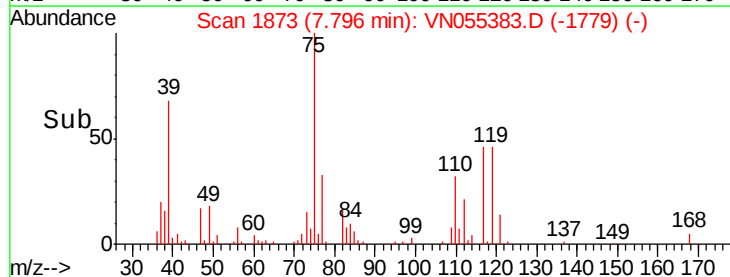
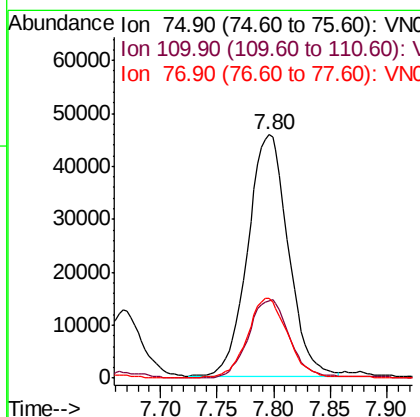
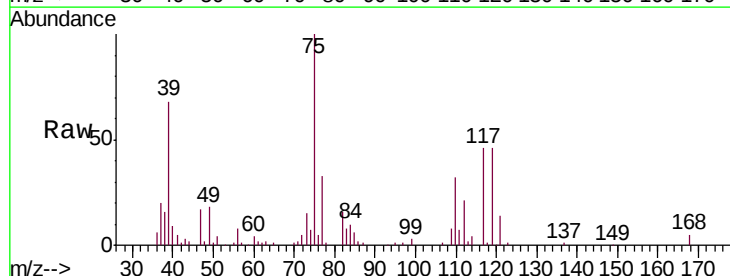
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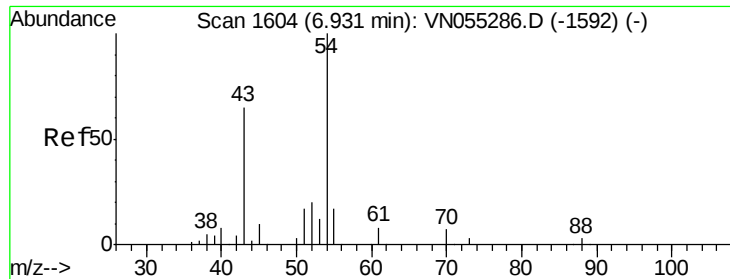
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#36
1,1-Dichloropropene
Concen: 18.209 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113119		
110	33.0	16.8	50.4	
77	33.4	25.0	37.6	





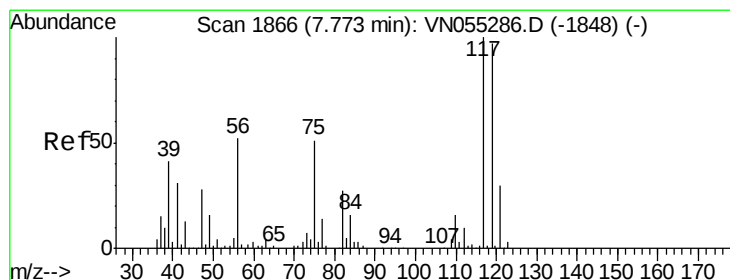
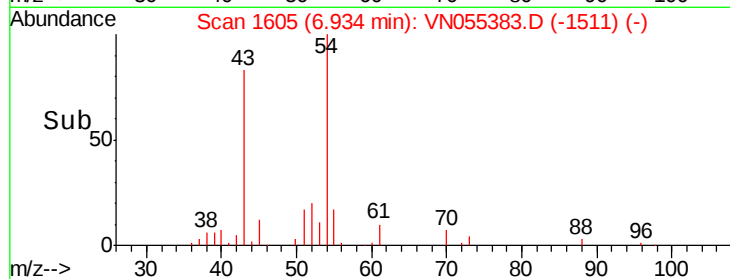
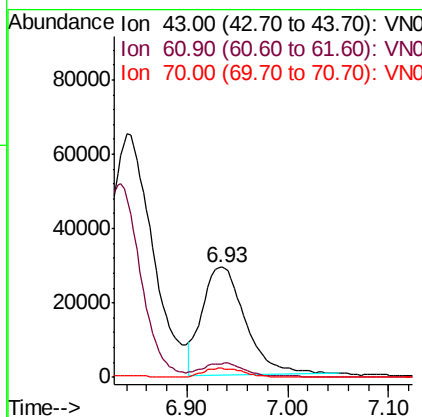
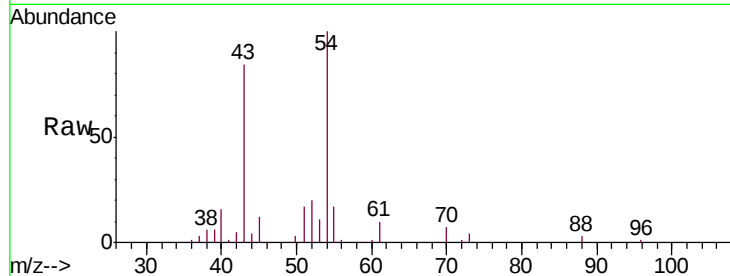
#37
Ethyl Acetate
Concen: 18.130 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.4	15.6
70	8.2	6.6	10.0

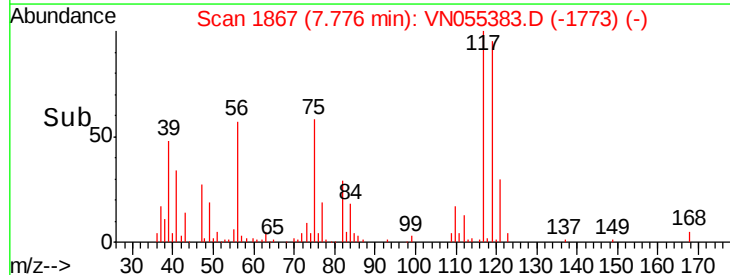
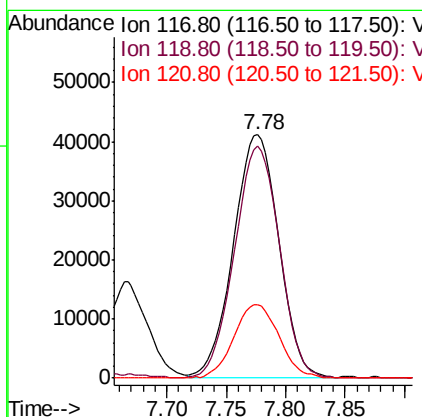
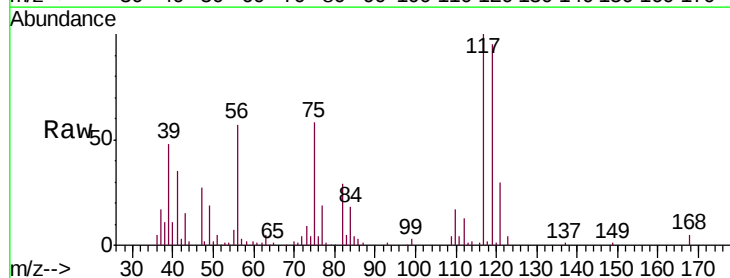
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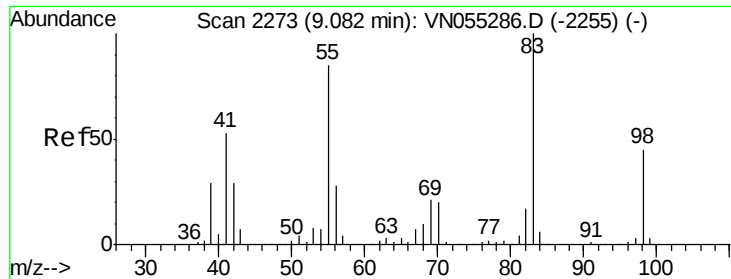
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#38
Carbon Tetrachloride
Concen: 18.190 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	30.2	23.8	35.8





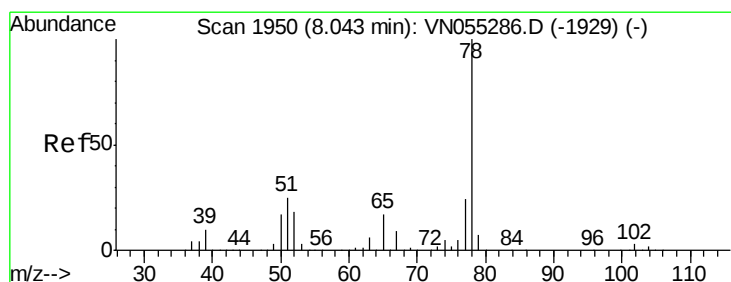
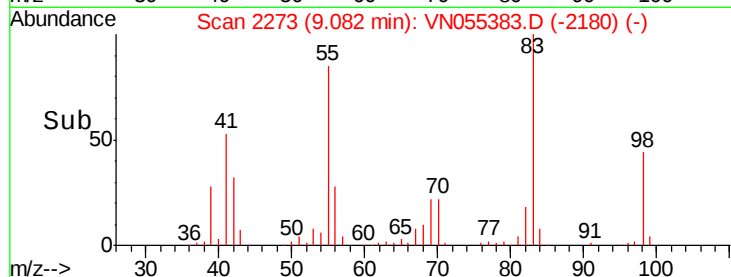
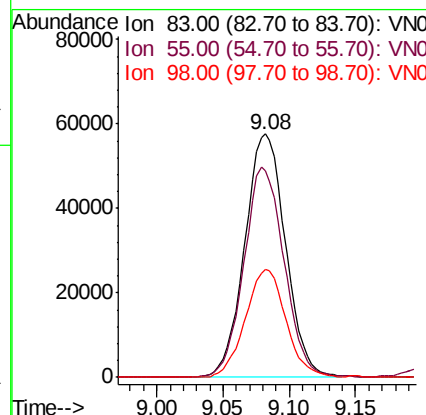
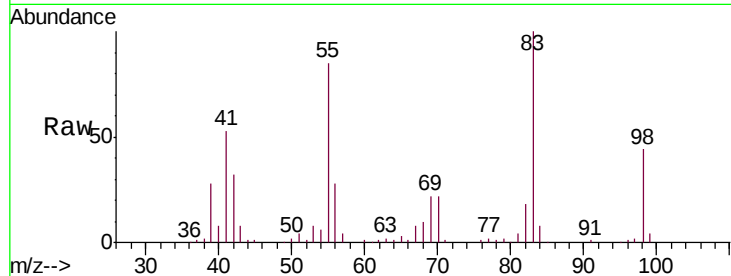
#39
Methylcyclohexane
Concen: 18.659 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	123244		
55	84.9	67.8	101.6	
98	44.5	36.2	54.4	

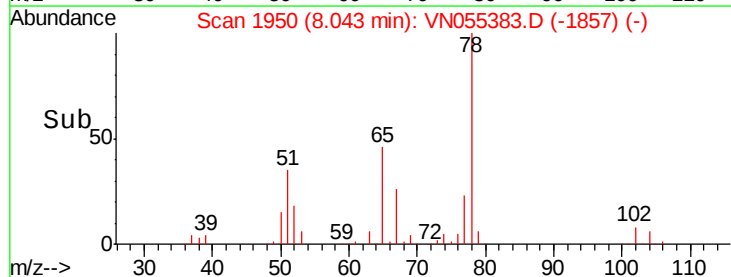
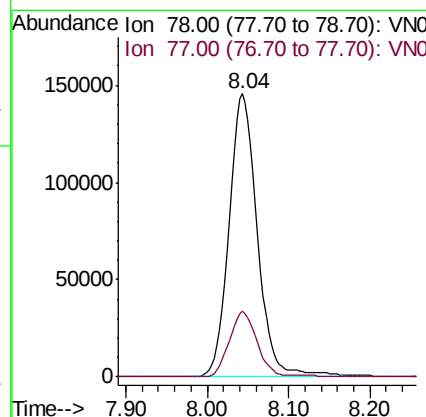
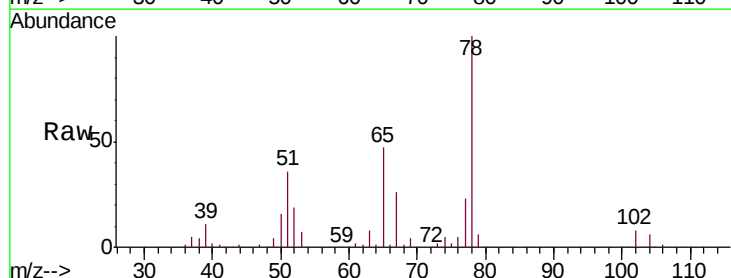
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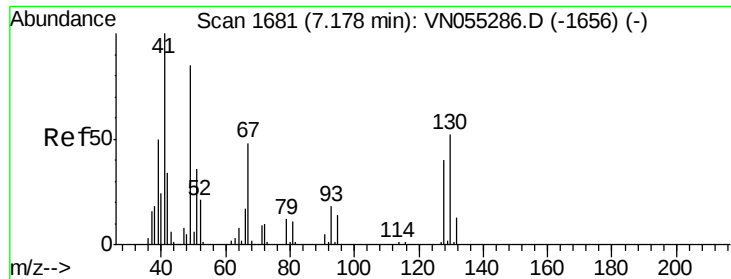
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#40
Benzene
Concen: 19.447 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	356146		
77	23.1	19.0	28.6	





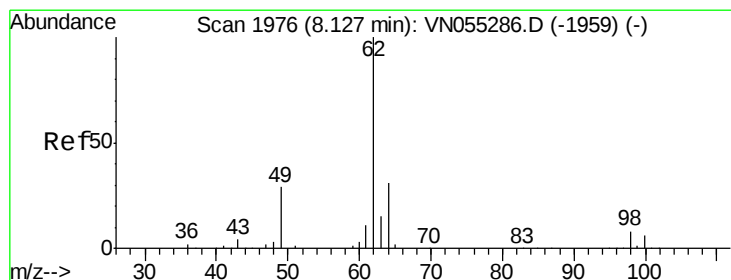
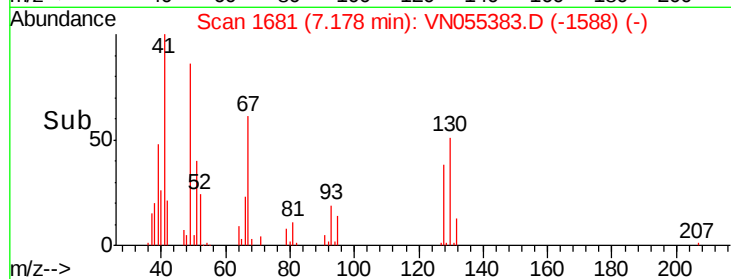
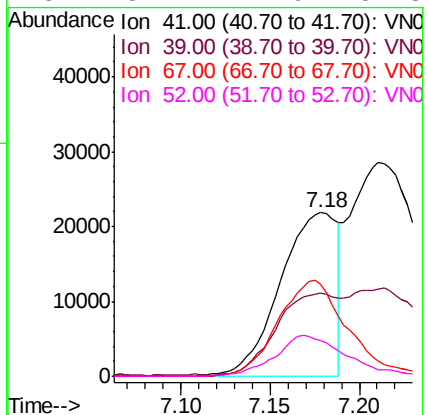
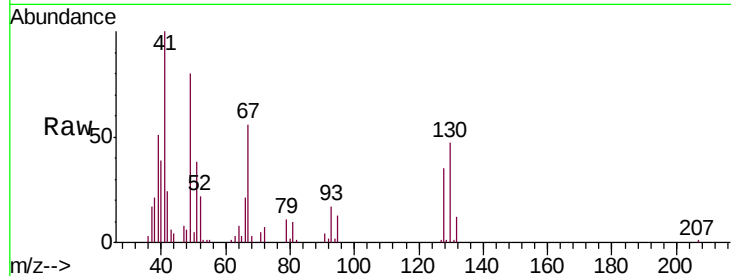
#41
Methacrylonitrile
Concen: 19.270 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.1	48.5	72.7
67	72.3	54.9	82.3
52	31.4	24.9	37.3

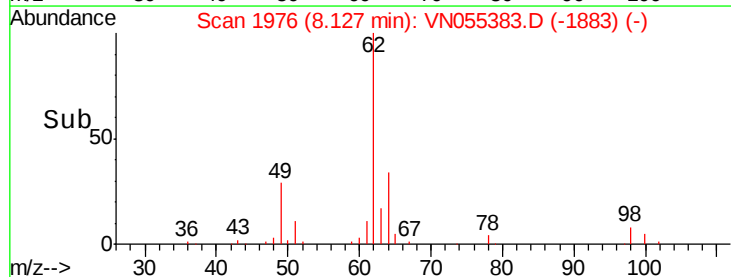
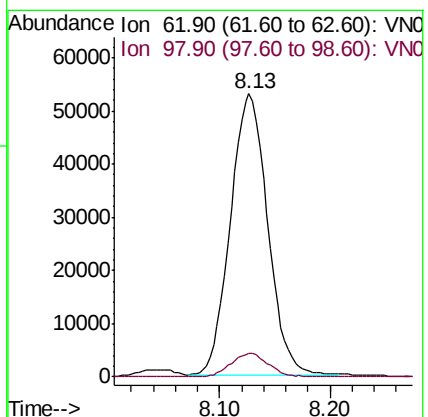
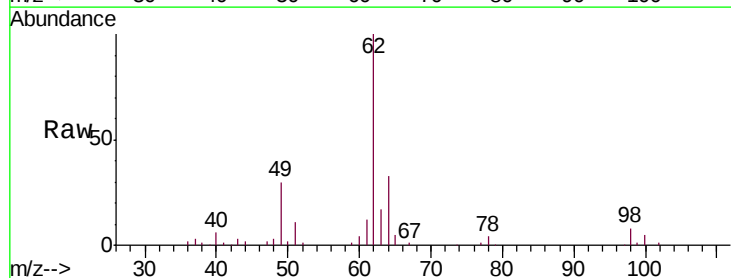
Manual Integrations
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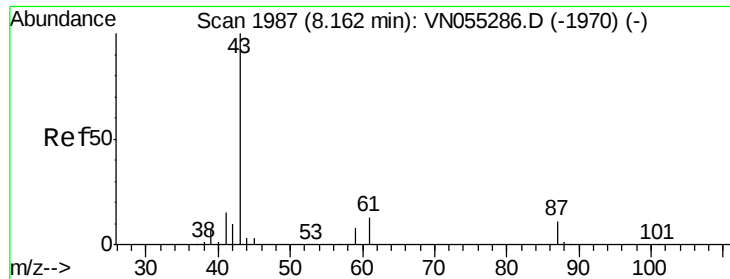
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#42
1,2-Dichloroethane
Concen: 19.015 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





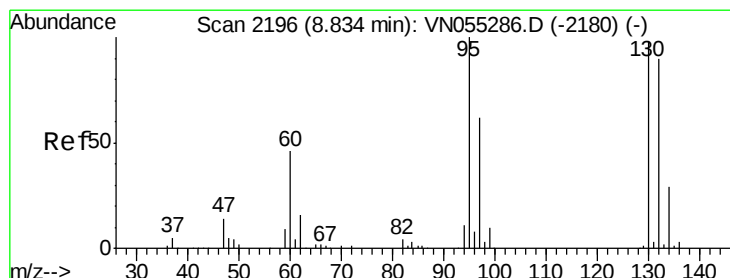
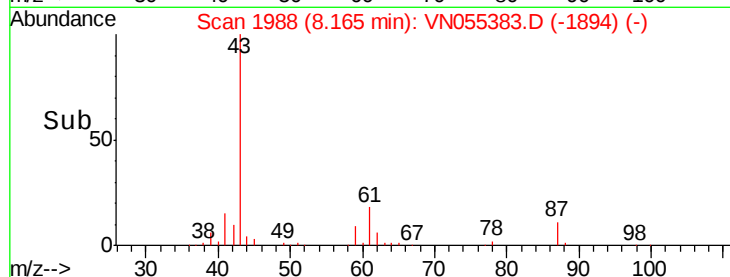
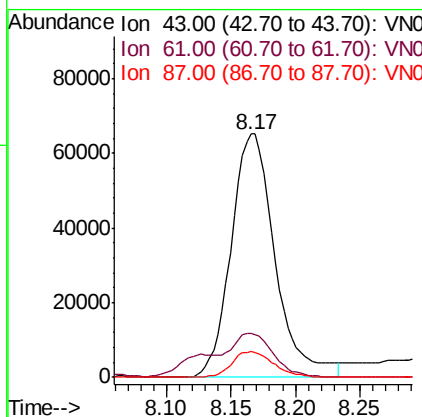
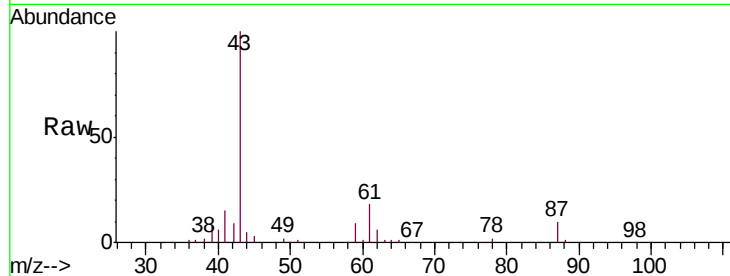
#43
Isopropyl Acetate
Concen: 20.096 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.7	20.8	31.2#
87	10.2	8.5	12.7

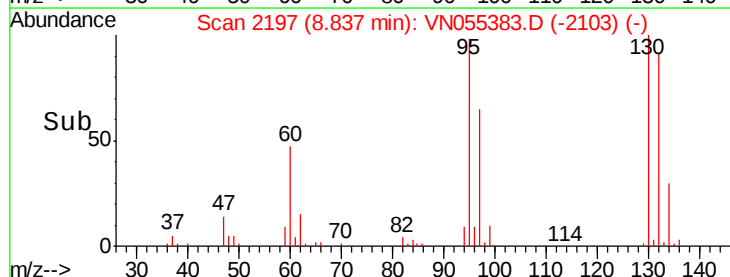
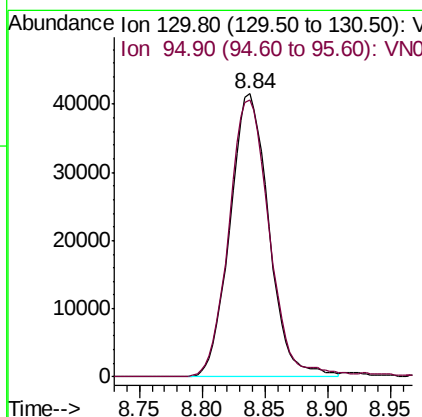
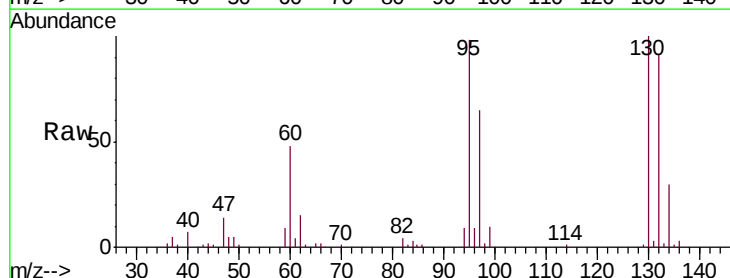
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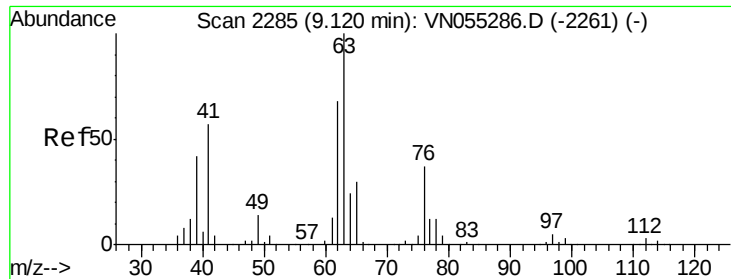
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#44
Trichloroethene
Concen: 19.170 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	203.4





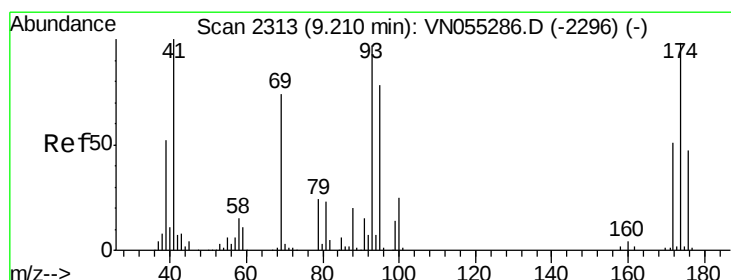
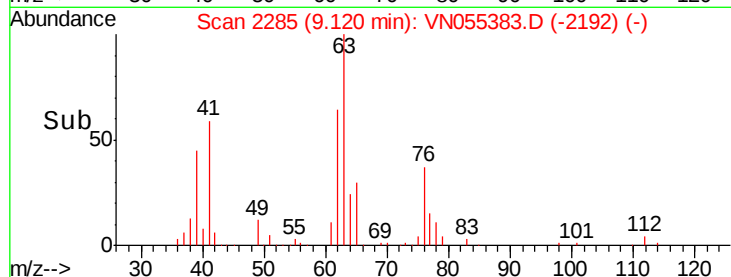
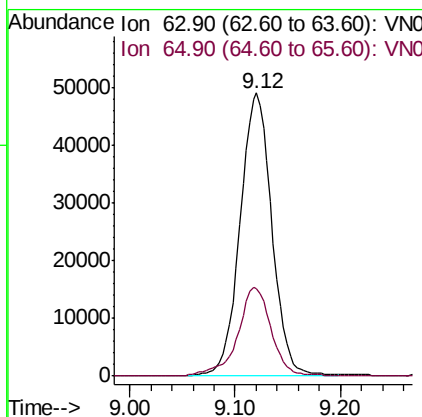
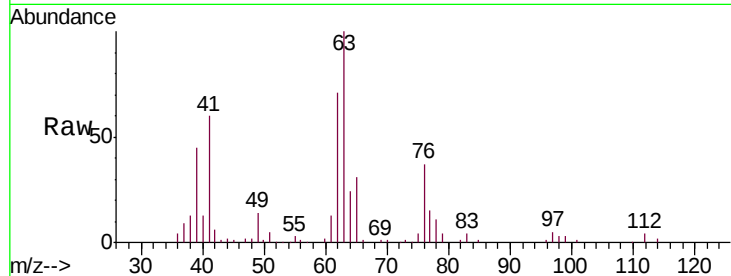
#45
 1,2-Dichloropropane
 Concen: 19.532 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion: 63 Resp: 103167
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9

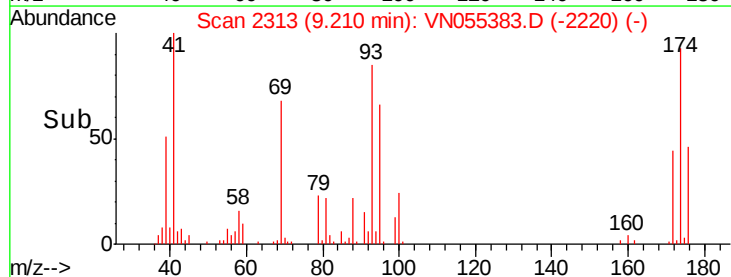
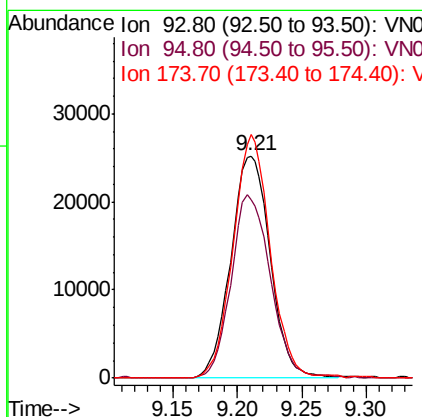
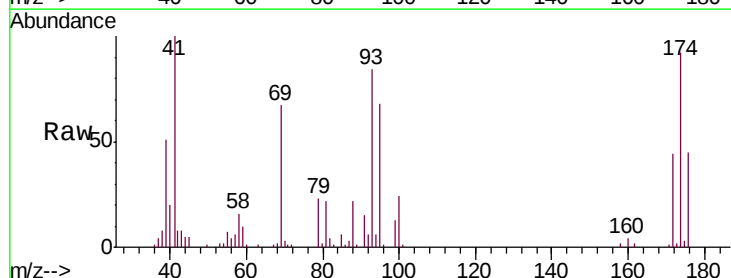
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#46
 Dibromomethane
 Concen: 18.578 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion: 93 Resp: 53639
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.7 98.5
 174 102.8 81.5 122.3





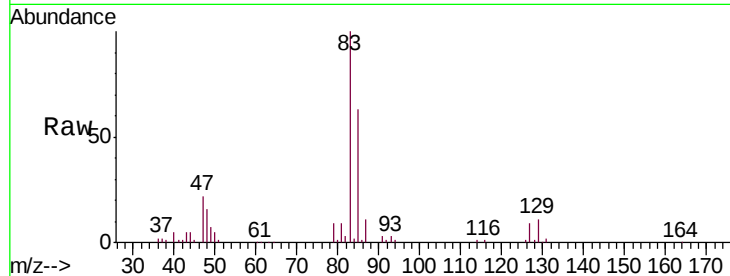
#47
Bromodichloromethane
Concen: 19.145 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

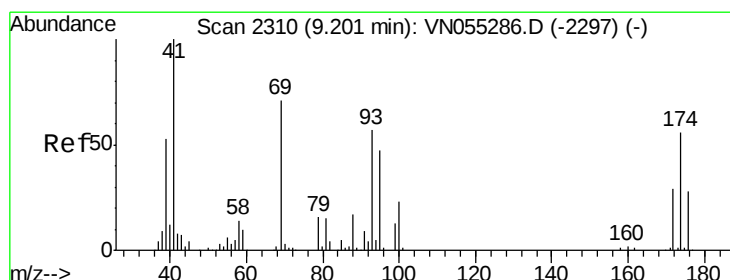
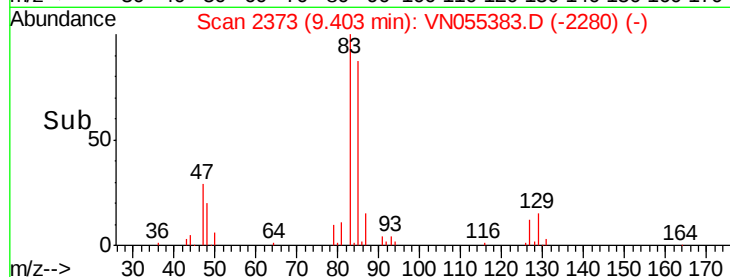
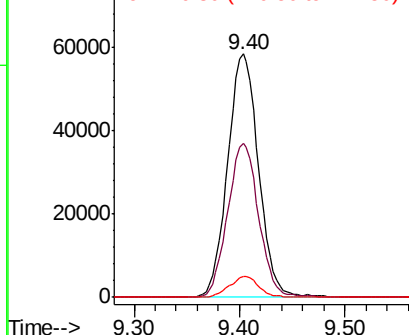
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	118579		
85	63.4	50.1	75.1	
127	8.8	6.7	10.1	

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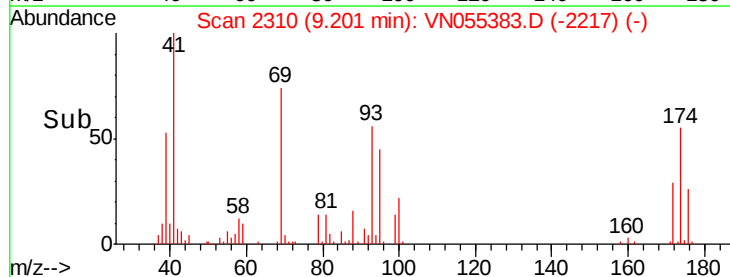
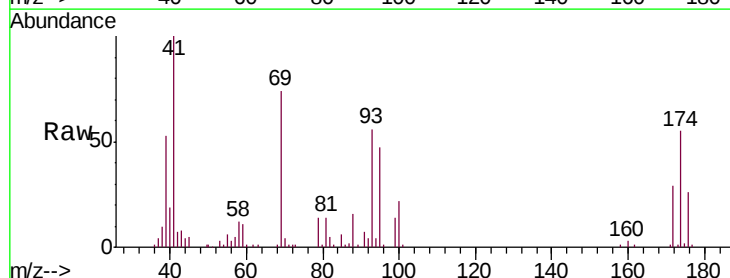
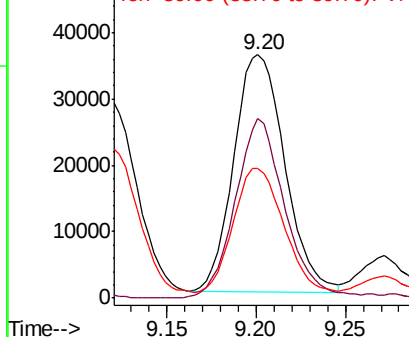
Abundance Ion 82.90 (82.60 to 83.60): VN055383.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN055383.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN055383.D (-2280) (-)

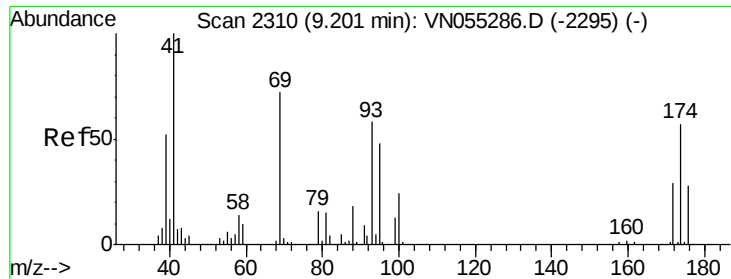


#48
Methyl methacrylate
Concen: 19.025 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	71565		
69	73.3	58.6	87.8	
39	55.5	43.8	65.6	

Abundance Ion 41.00 (40.70 to 41.70): VN055383.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN055383.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN055383.D (-2217) (-)





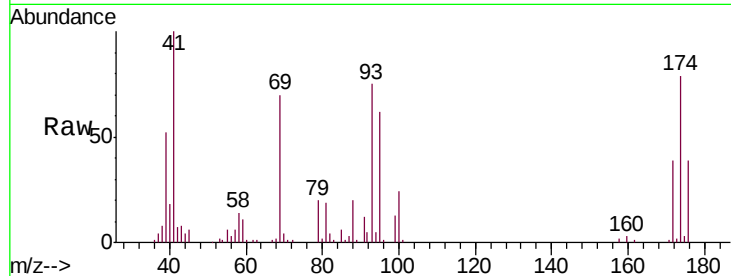
#49
1,4-Dioxane
Concen: 381.359 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

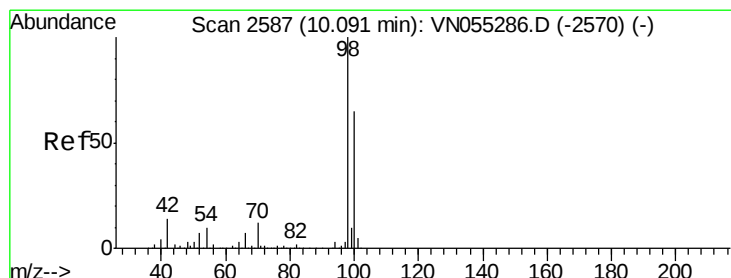
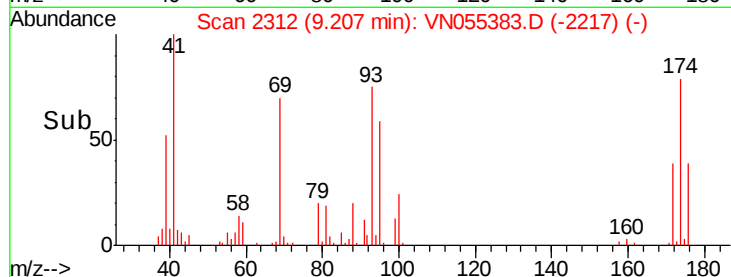
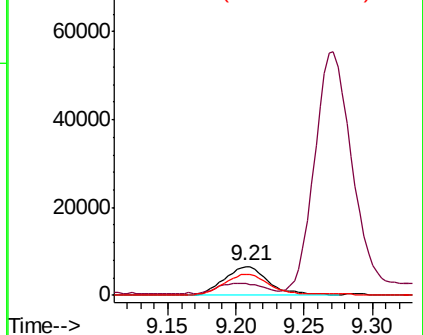
Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.8	33.3	49.9
58	74.5	62.7	94.1

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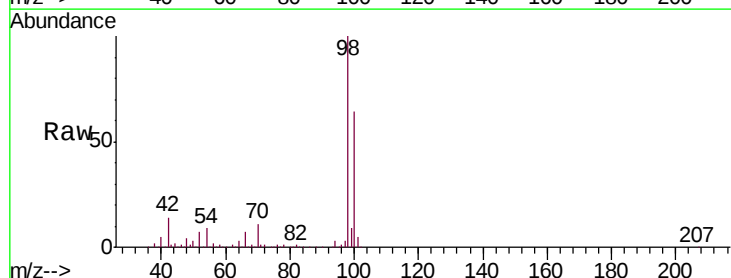


Abundance Ion 88.00 (87.70 to 88.70): VN055286.D (-2295) (-)
Ion 43.00 (42.70 to 43.70): VN055286.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VN055286.D (-2295) (-)

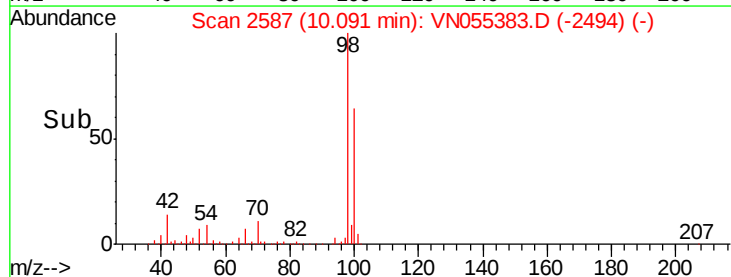
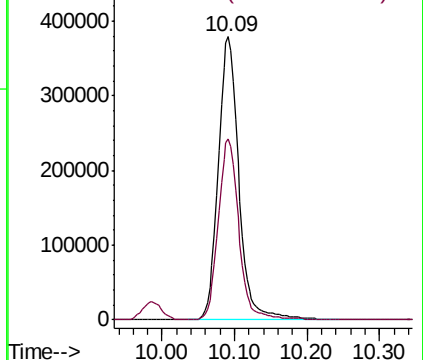


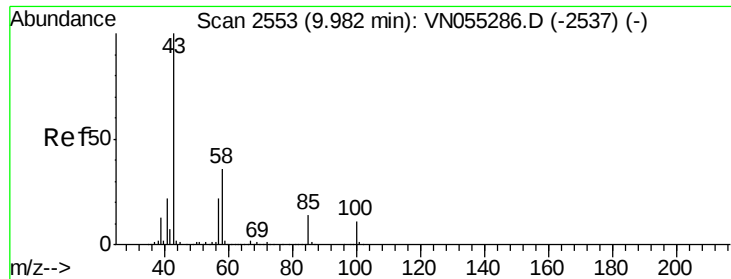
#50
Toluene-d8
Concen: 48.571 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





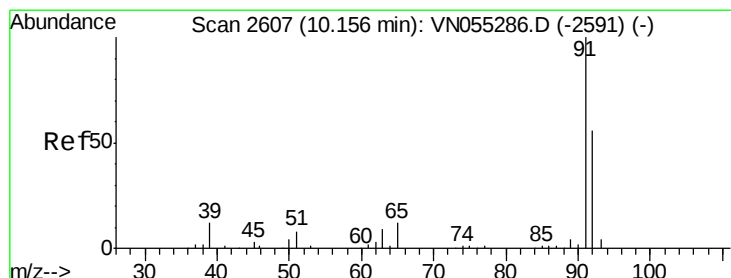
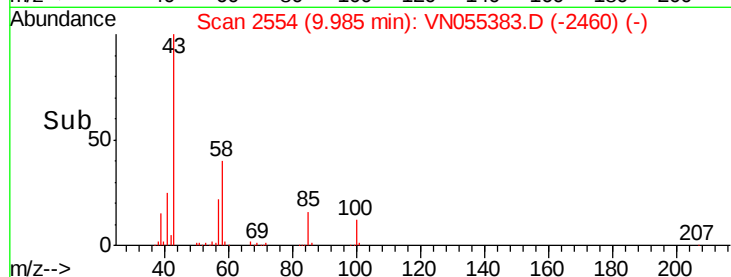
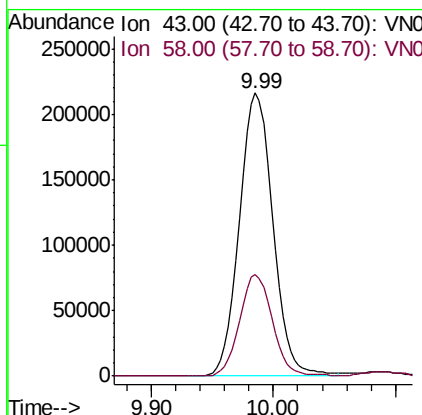
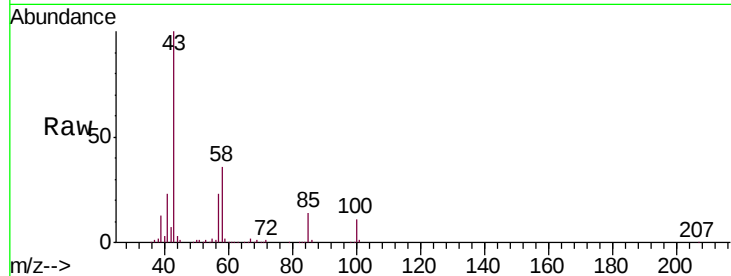
#51
 4-Methyl-2-Pentanone
 Concen: 94.895 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion: 43 Resp: 408810
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.5 42.7

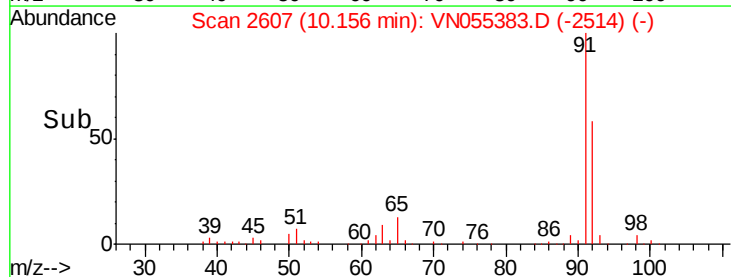
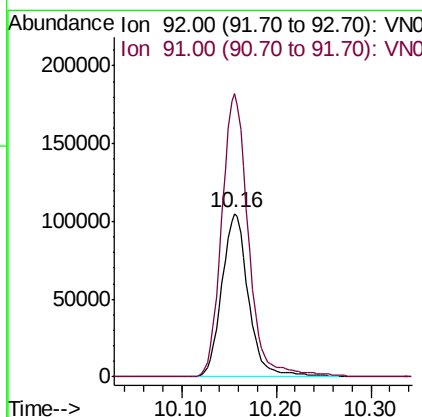
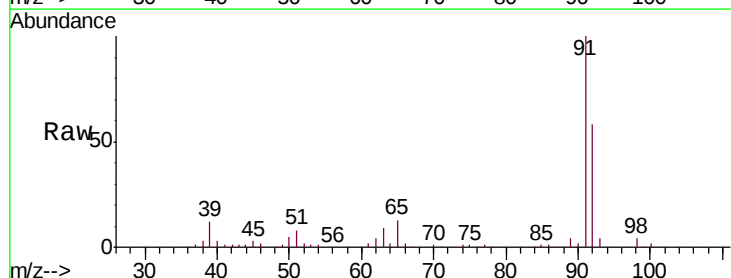
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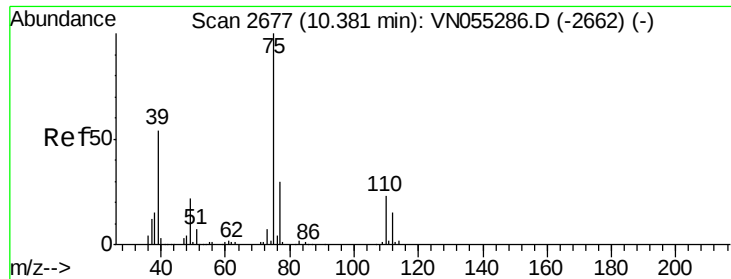
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#52
 Toluene
 Concen: 19.599 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion: 92 Resp: 205946
 Ion Ratio Lower Upper
 92 100
 91 174.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.692 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 75 Resp: 100506

Ion Ratio Lower Upper

75 100

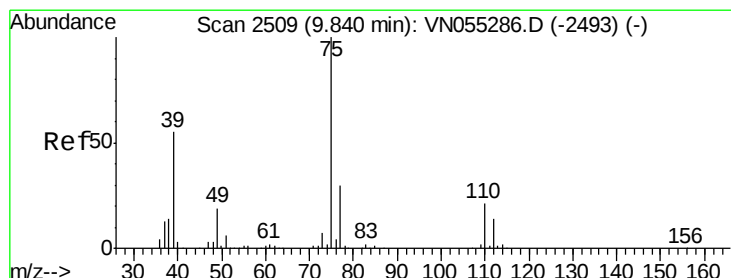
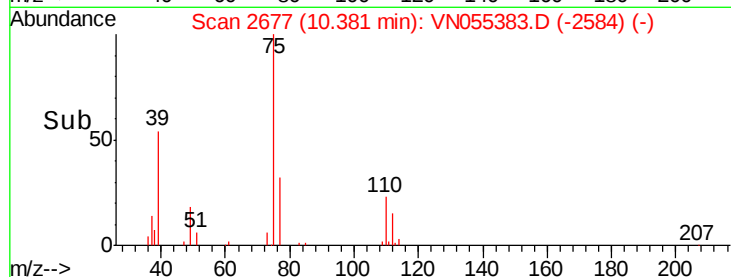
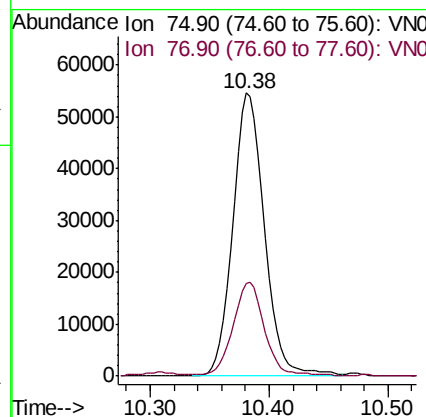
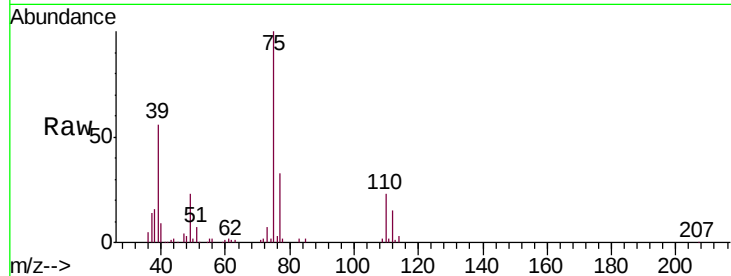
77 32.3 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 19.124 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

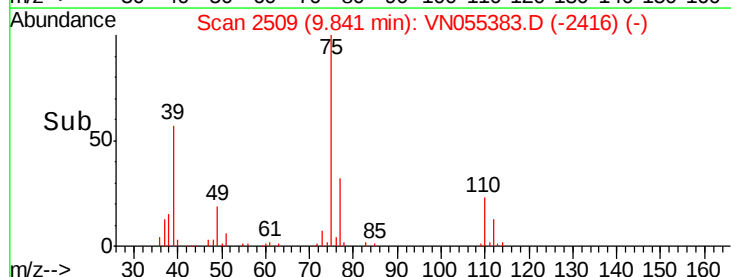
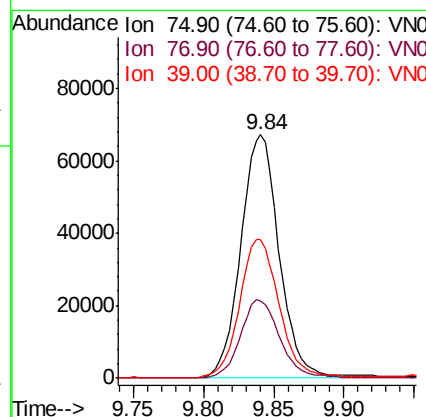
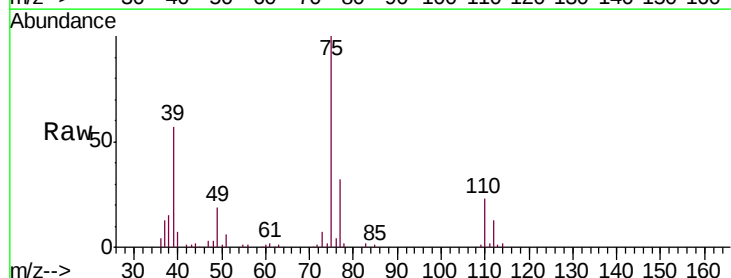
Tgt Ion: 75 Resp: 128209

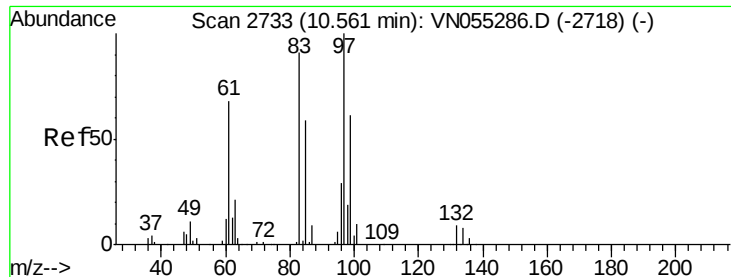
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 56.7 44.2 66.2





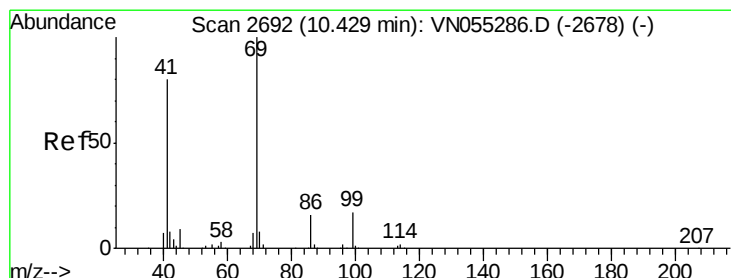
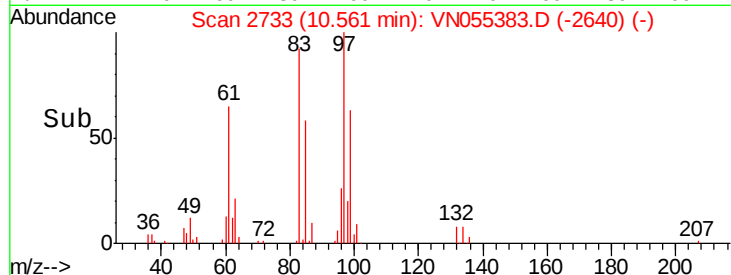
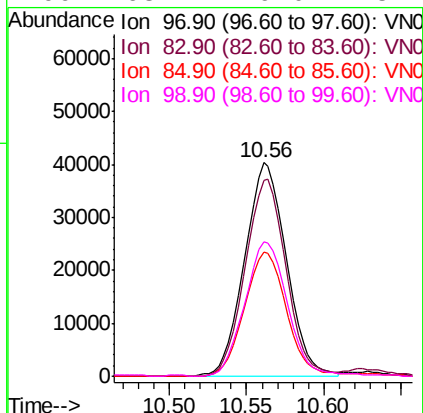
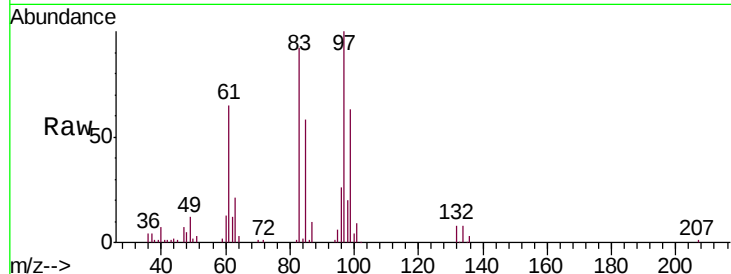
#55
 1,1,2-Trichloroethane
 Concen: 19.431 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	72.8	109.2
85	58.4	47.0	70.6
99	63.1	49.0	73.4

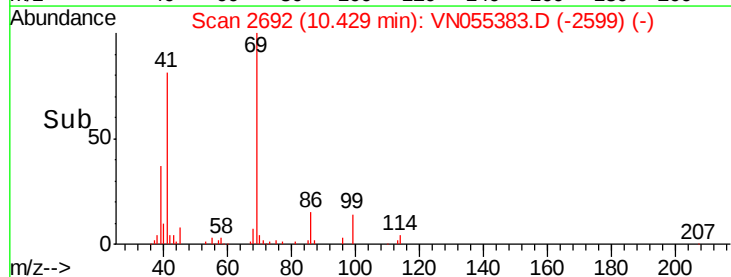
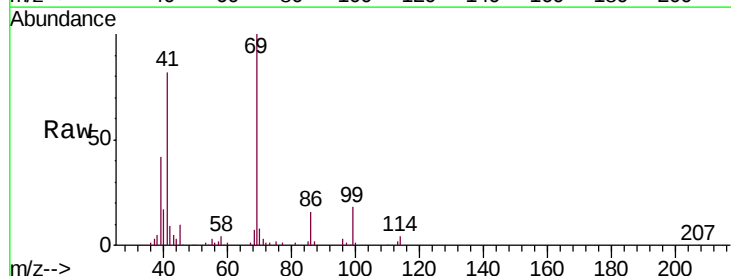
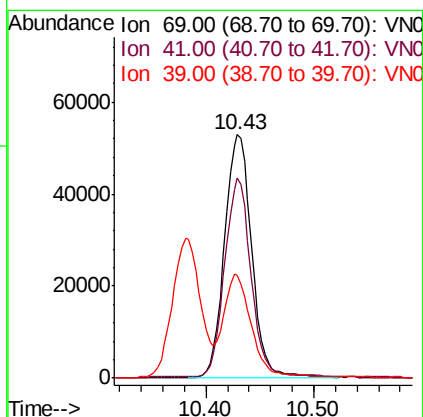
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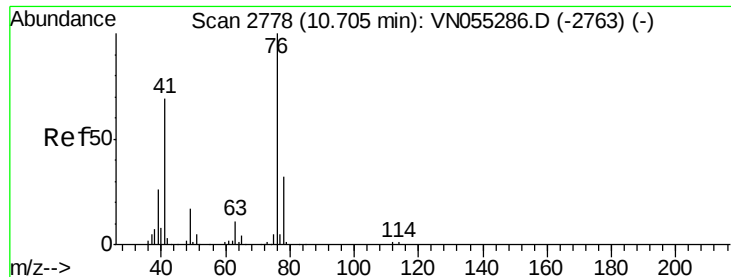
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#56
 Ethyl methacrylate
 Concen: 19.412 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.8	62.7	94.1
39	41.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.681 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 76 Resp: 134719

Ion Ratio Lower Upper

76 100

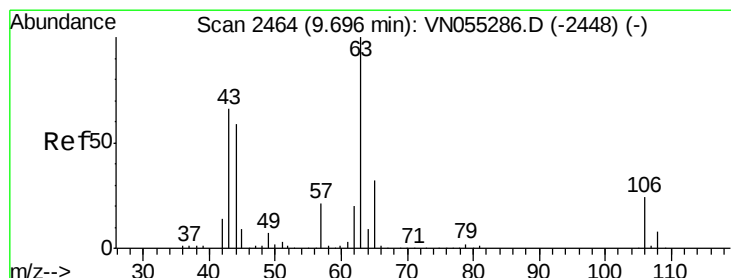
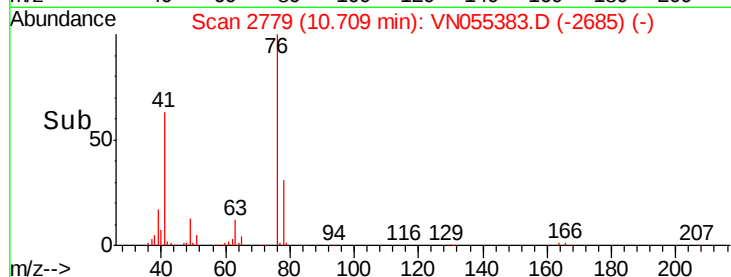
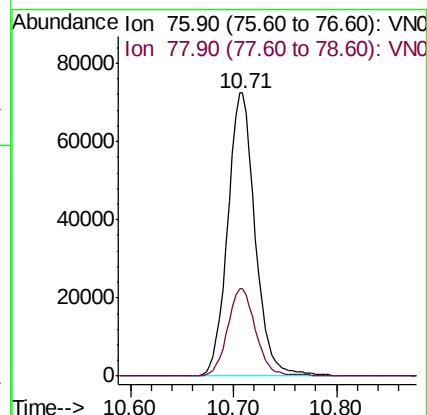
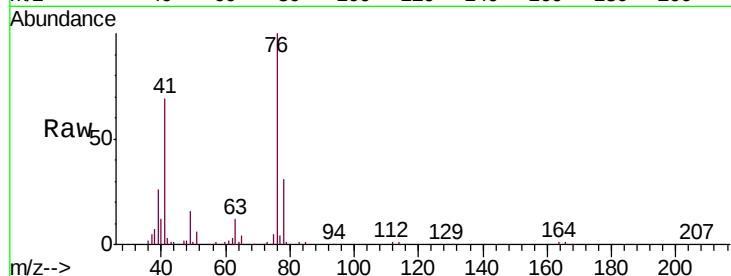
78 31.7 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 76.833 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055383.D

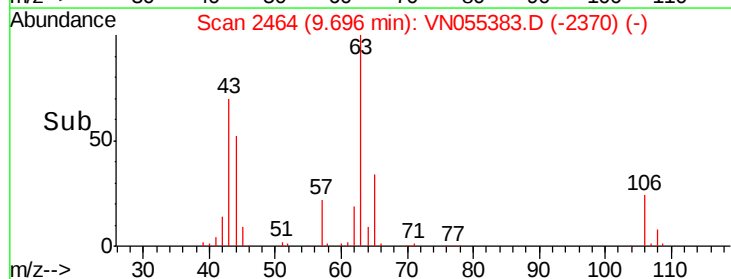
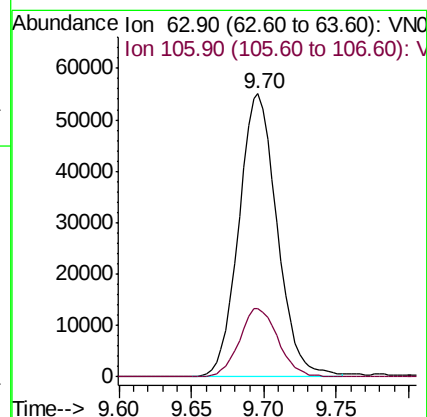
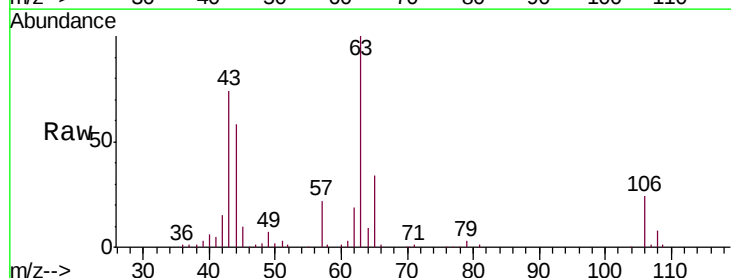
Acq: 3 May 2019 12:27

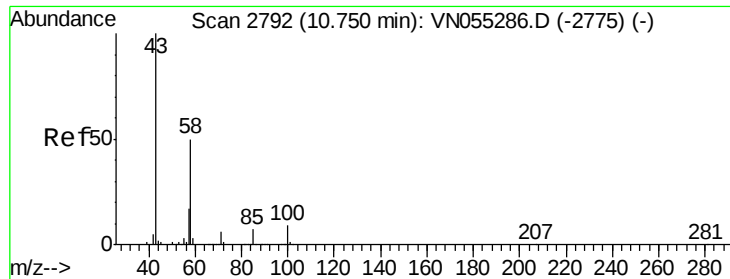
Tgt Ion: 63 Resp: 101046

Ion Ratio Lower Upper

63 100

106 24.5 19.0 28.4





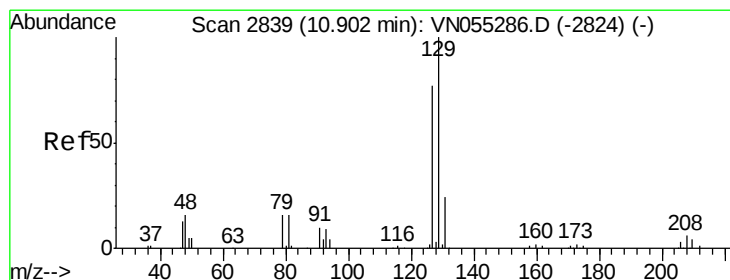
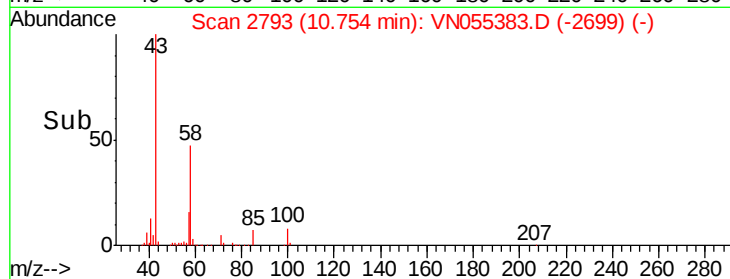
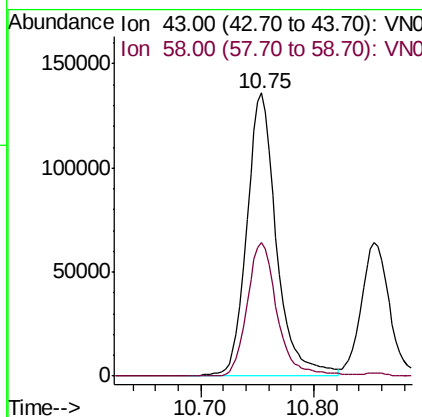
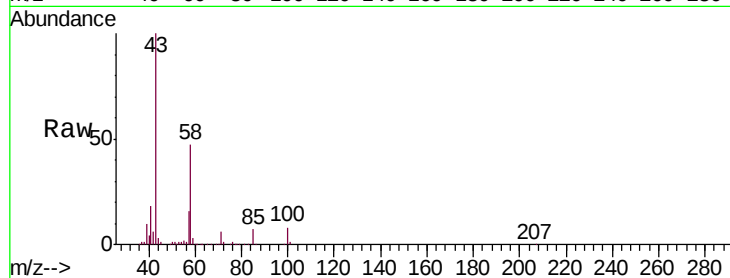
#59
2-Hexanone
Concen: 91.356 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion: 43 Resp: 246246
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6

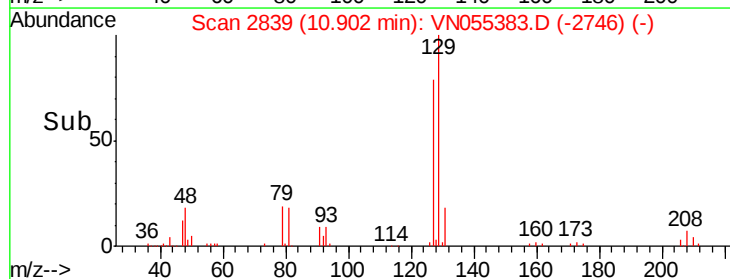
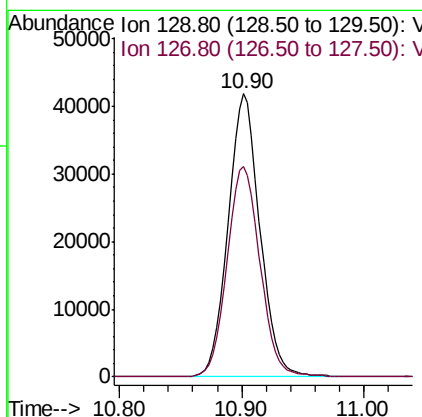
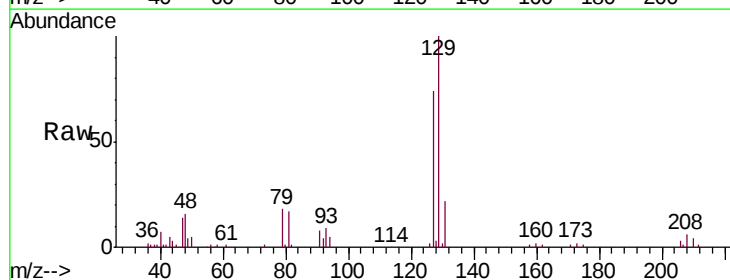
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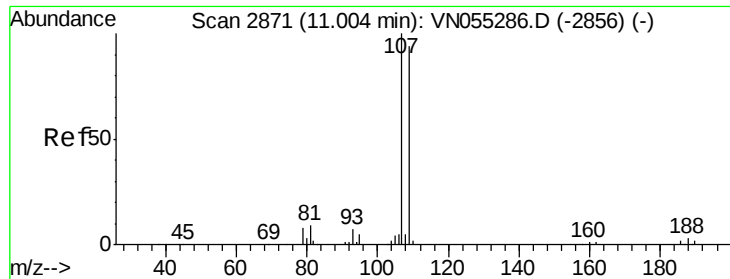
MMDadoda
5/6/2019 10:48:05 AM



#60
Dibromochloromethane
Concen: 19.047 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion: 129 Resp: 75958
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5





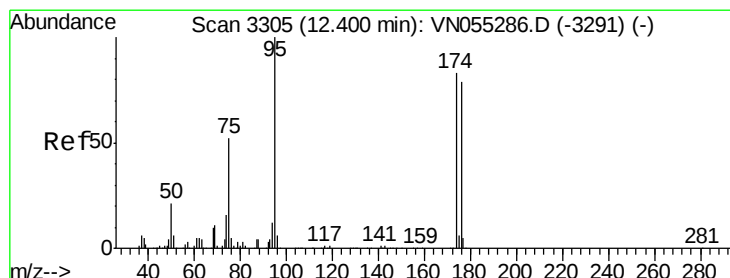
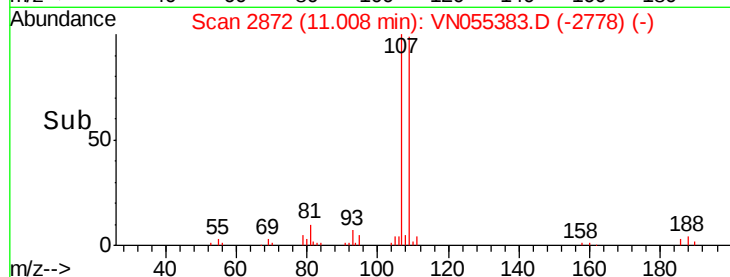
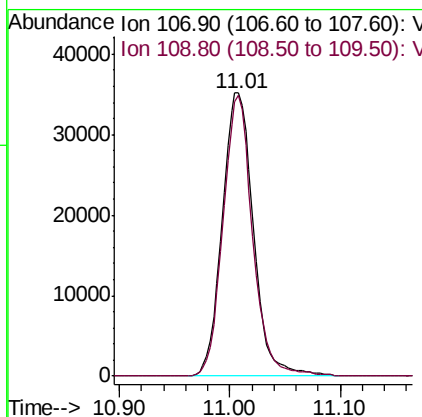
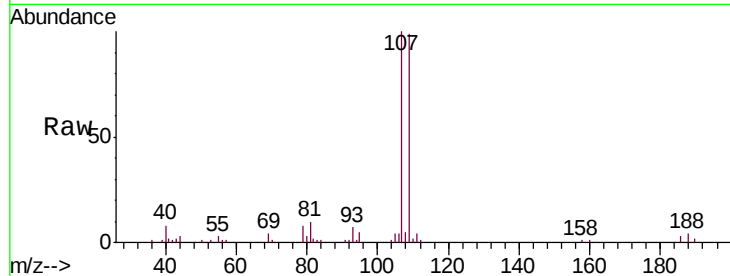
#61
 1,2-Dibromoethane
 Concen: 19.158 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBS01

Tgt Ion: 107 Resp: 69096
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6

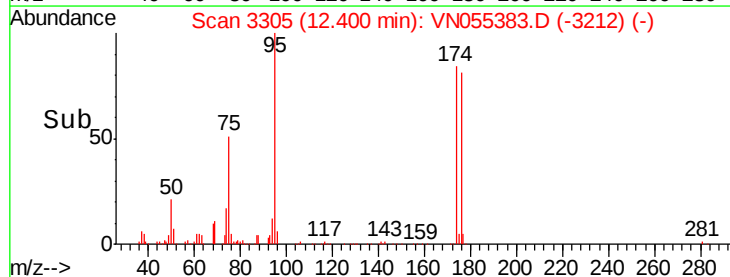
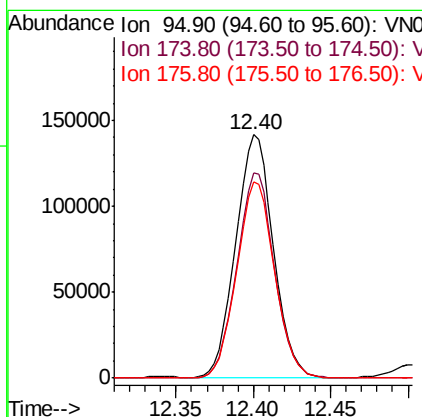
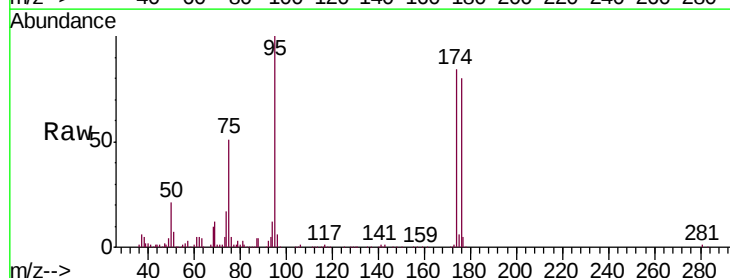
Manual Integrations
 APPROVED

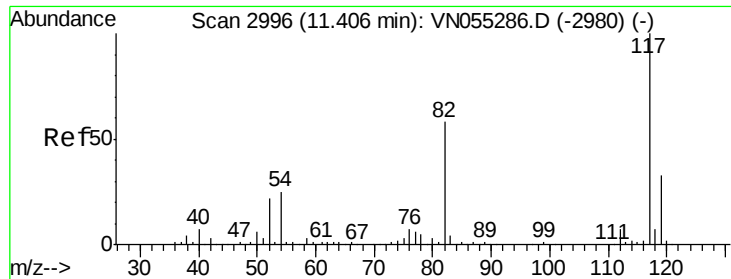
MMDadoda
 5/6/2019 10:48:05 AM



#62
 4-Bromofluorobenzene
 Concen: 49.473 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion: 95 Resp: 237680
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 166.6
 176 82.2 0.0 157.8





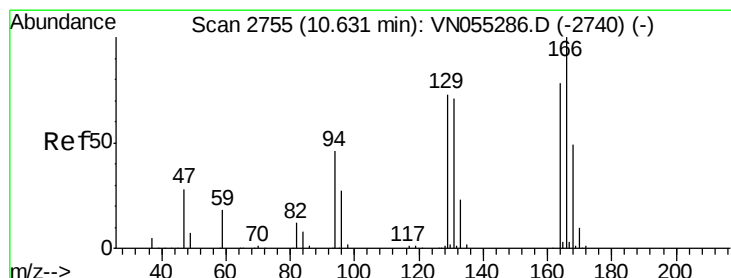
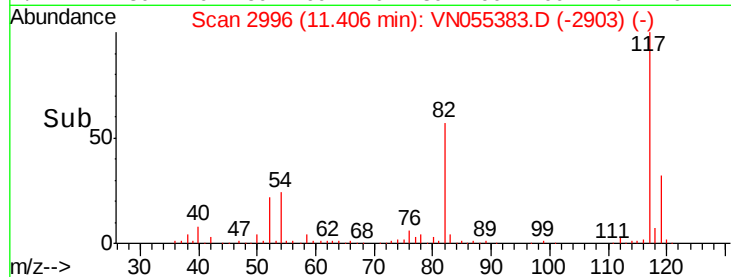
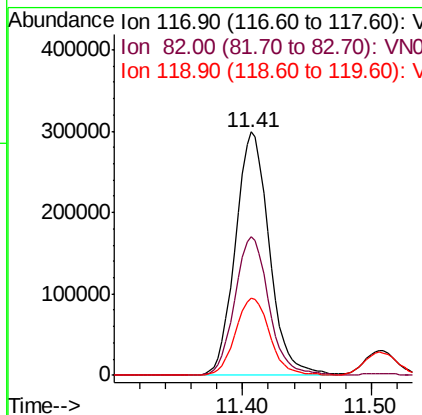
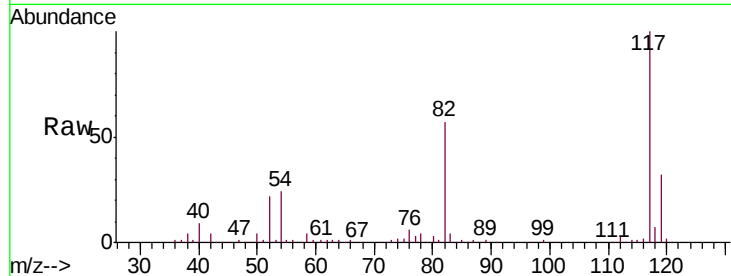
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	547364		
82	57.0	46.2	69.4	
119	31.8	26.6	40.0	

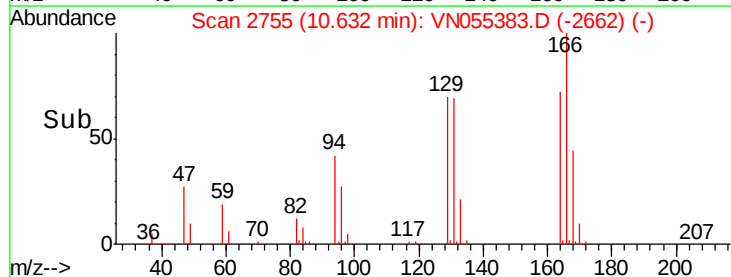
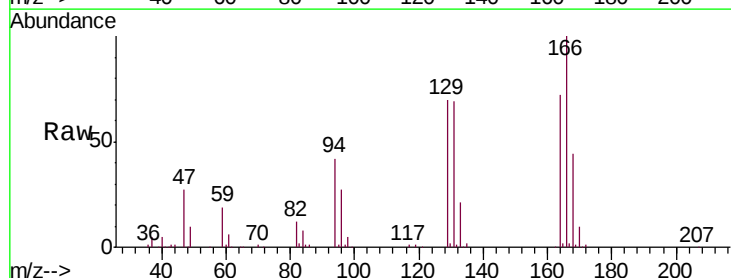
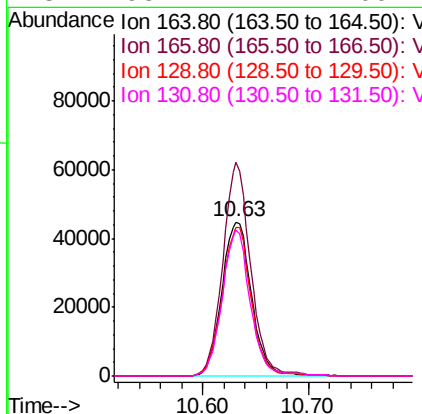
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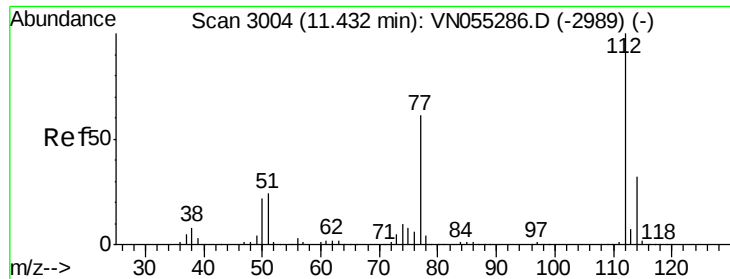
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#64
Tetrachloroethene
Concen: 19.520 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87376		
166	138.8	102.3	153.5	
129	96.6	75.0	112.6	
131	95.1	72.7	109.1	





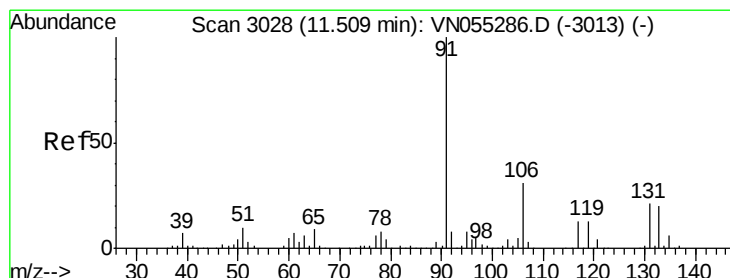
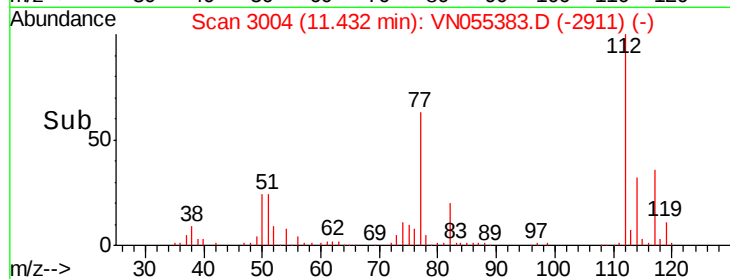
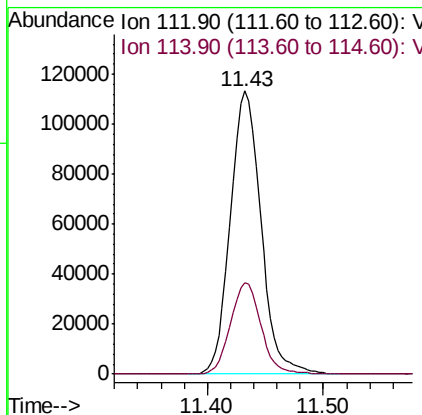
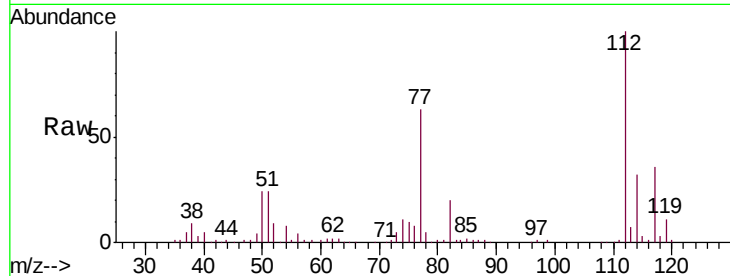
#65
Chlorobenzene
Concen: 19.345 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion:112 Resp: 207020
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

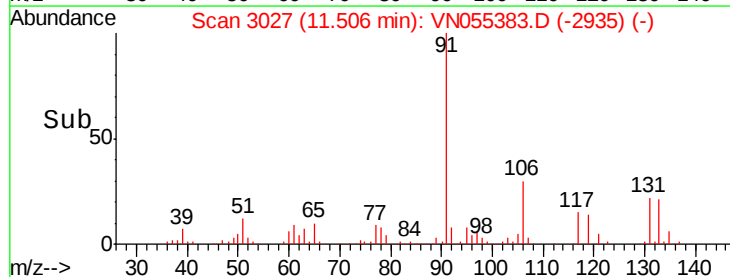
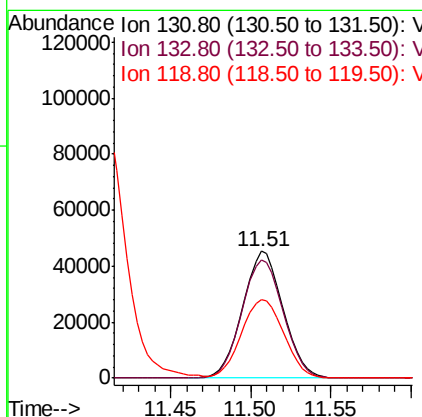
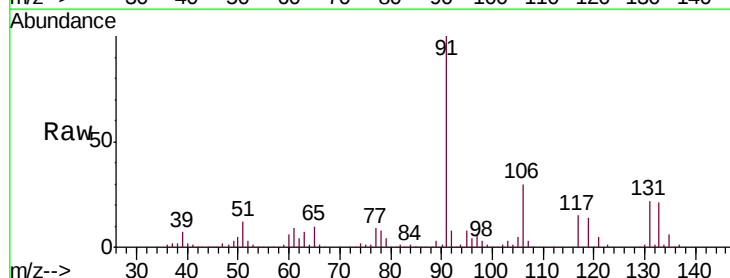
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.675 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion:131 Resp: 78258
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 65.1 32.7 98.1





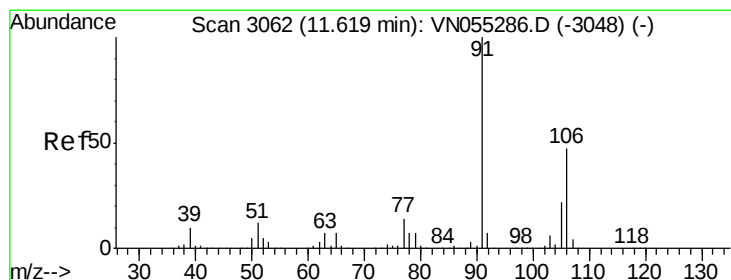
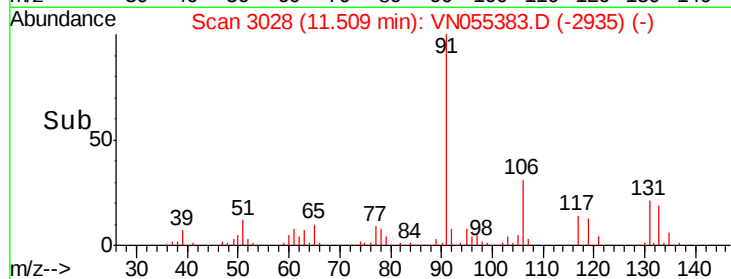
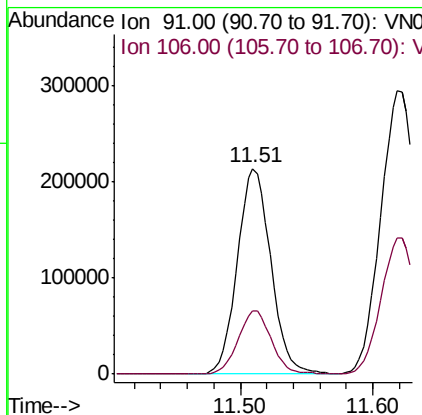
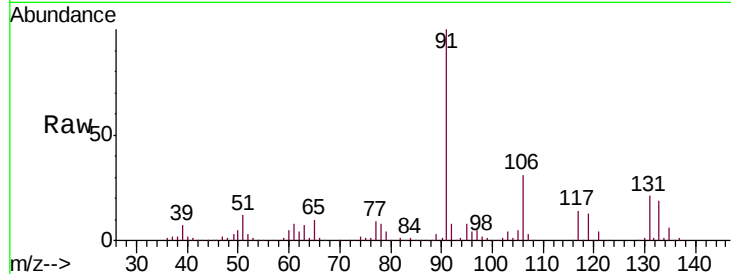
#67
Ethyl Benzene
Concen: 19.467 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion: 91 Resp: 376203
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

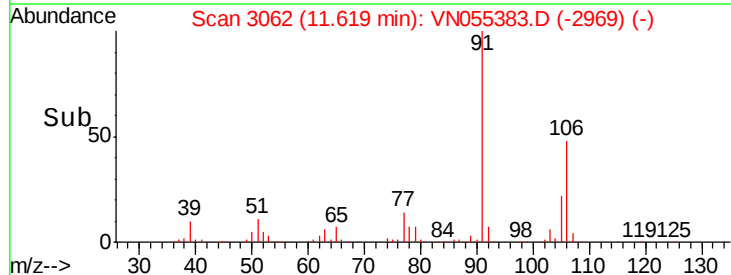
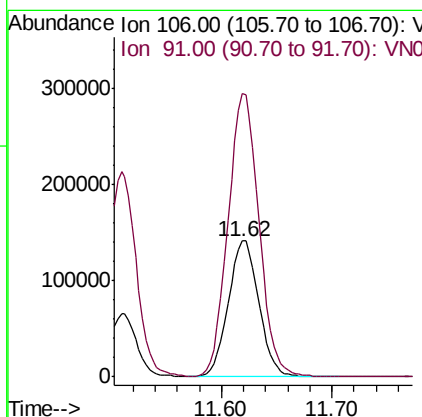
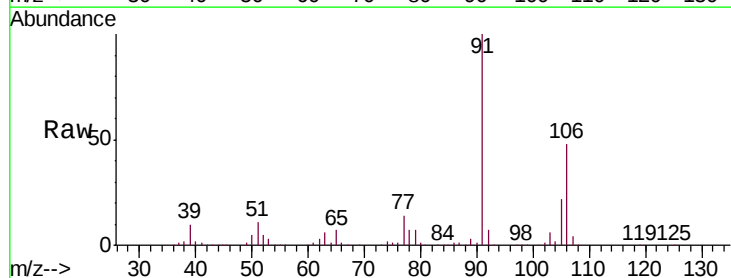
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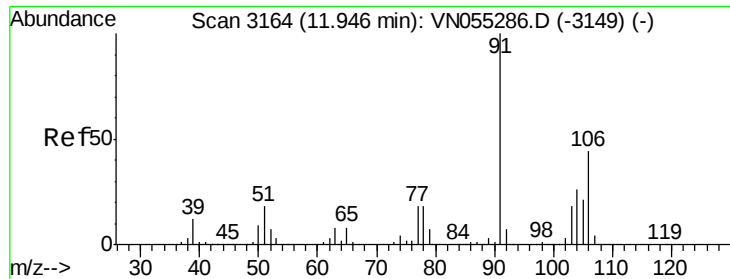
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#68
m/p-Xylenes
Concen: 39.381 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion: 106 Resp: 271651
Ion Ratio Lower Upper
106 100
91 211.4 169.5 254.3





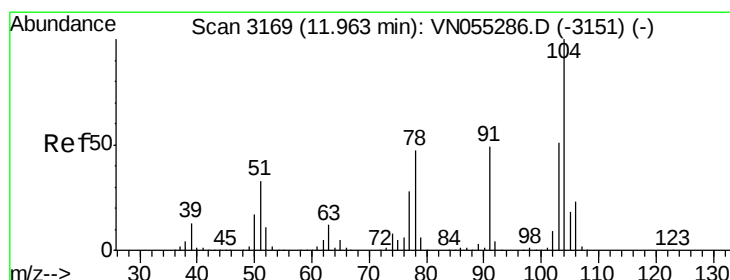
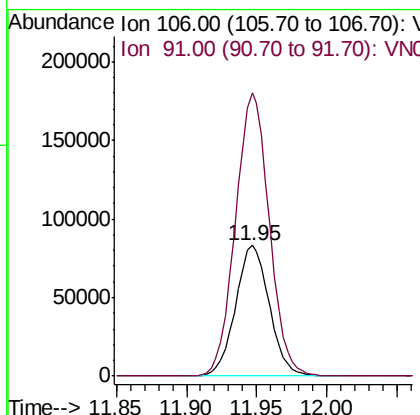
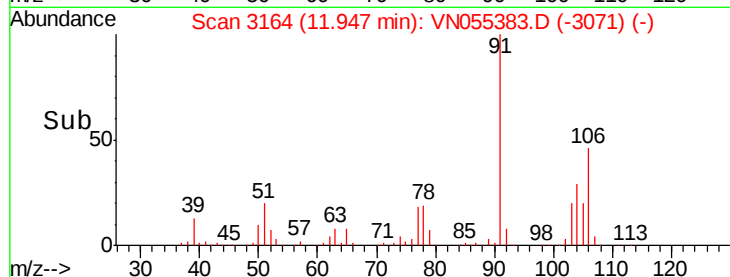
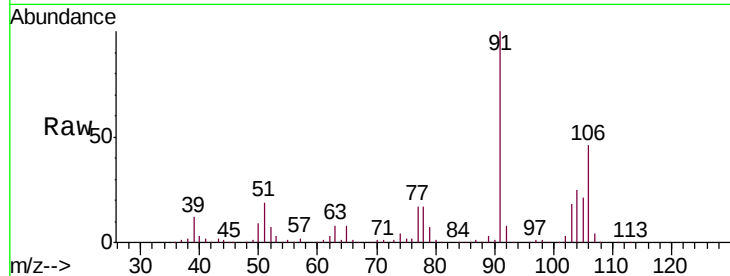
#69
o-Xylene
Concen: 20.457 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0503WBS01

Tgt Ion:106 Resp: 139867
Ion Ratio Lower Upper
106 100
91 216.7 111.5 334.5

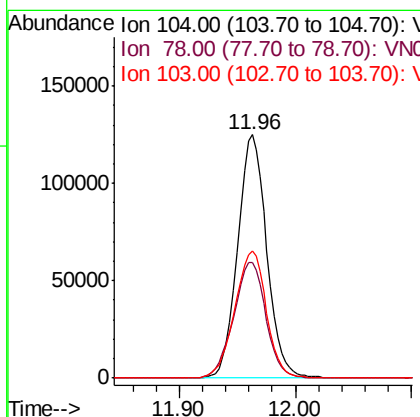
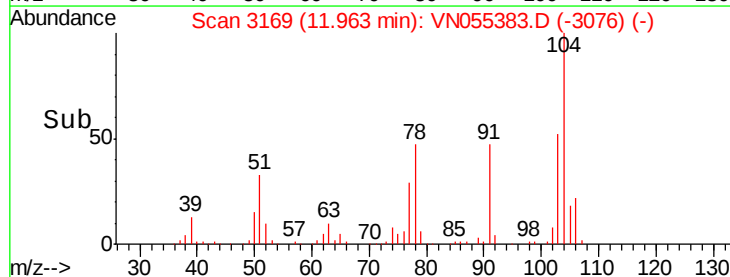
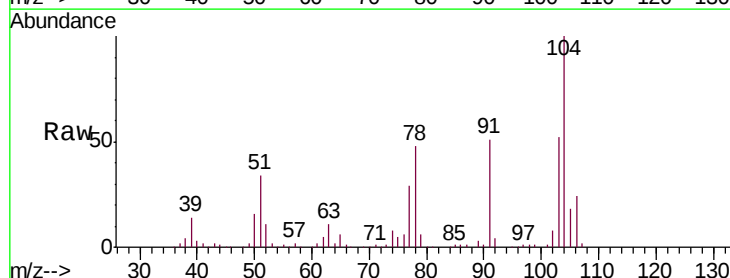
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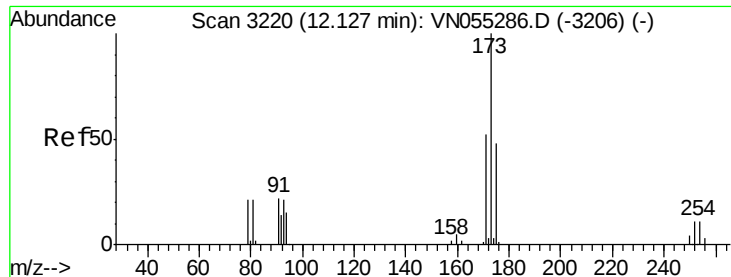
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#70
Styrene
Concen: 20.660 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion:104 Resp: 216882
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.2
103 57.0 44.6 67.0





#71

Bromoform

Concen: 18.381 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

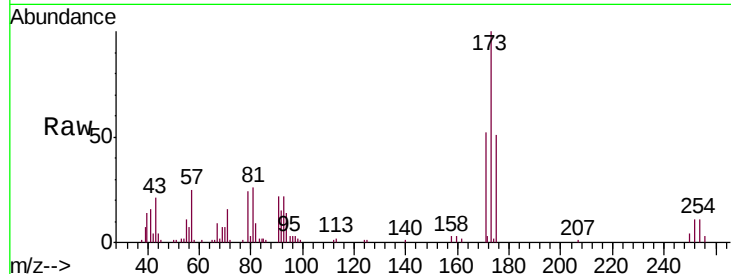
ClientSampleId :

VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.6	71.0
254	0.0	0.0	0.0

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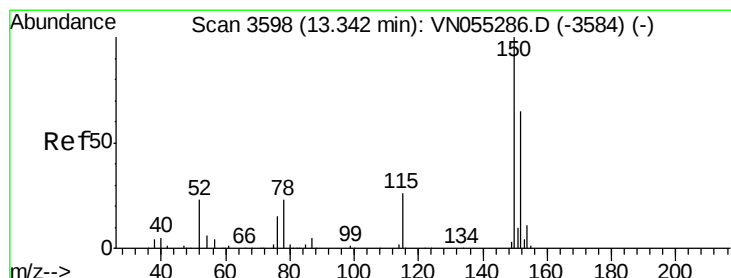
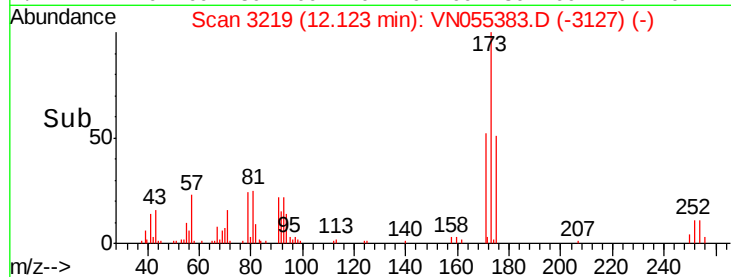
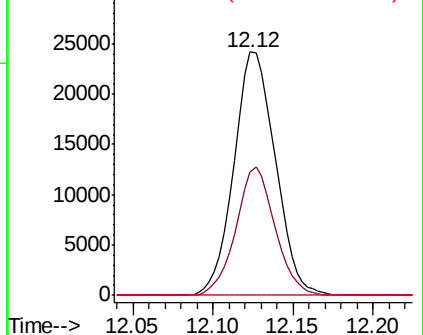


Abundance

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

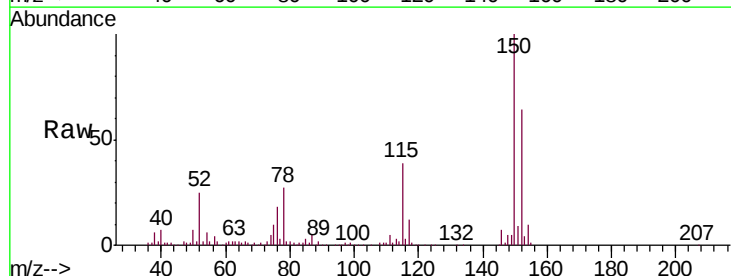
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	29.0	87.0
150	163.8	0.0	345.6

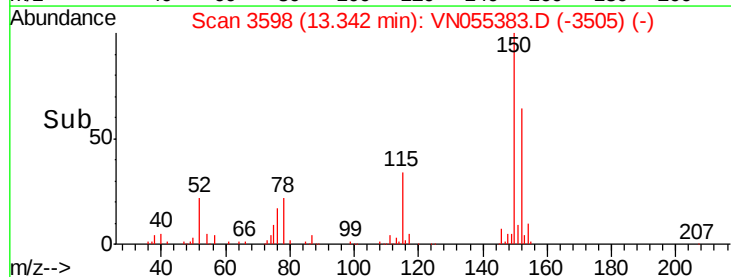
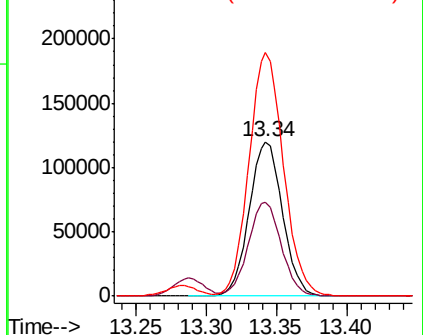


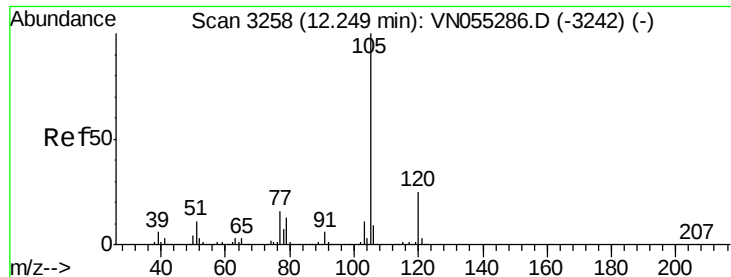
Abundance

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: 21.742 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 105 Resp: 371119

Ion Ratio Lower Upper

105 100

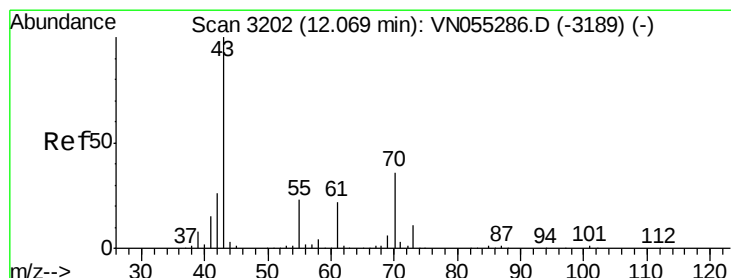
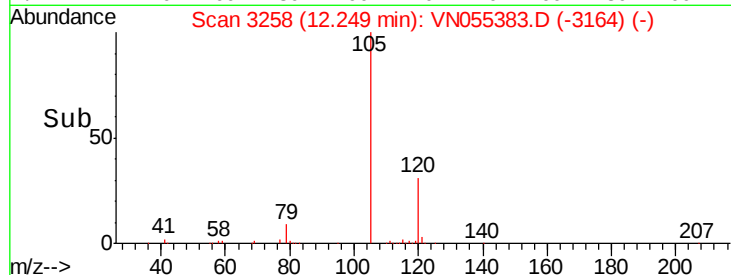
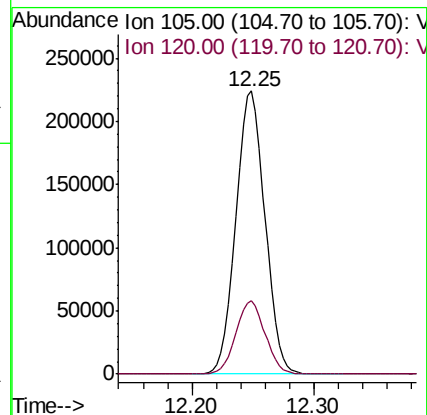
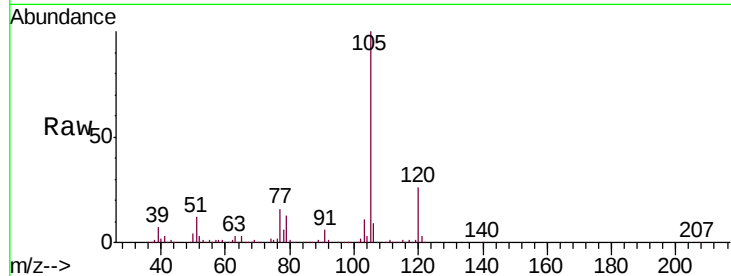
120 26.0 12.9 38.7

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#74

N-ethyl acetate

Concen: 22.064 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion: 43 Resp: 112242

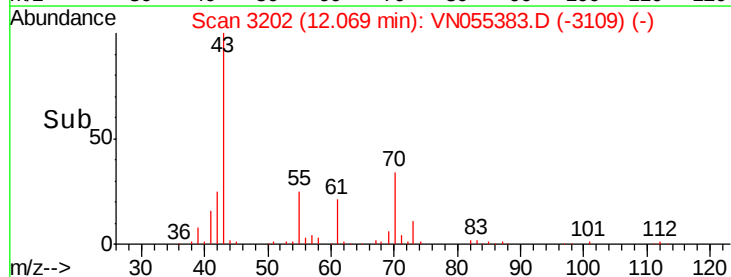
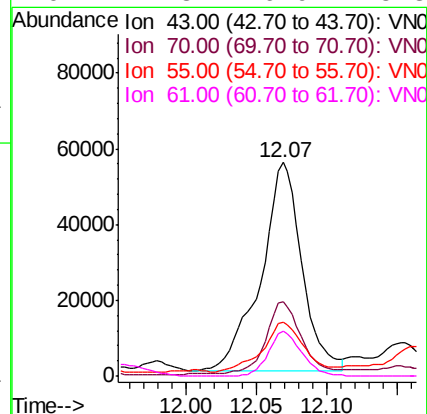
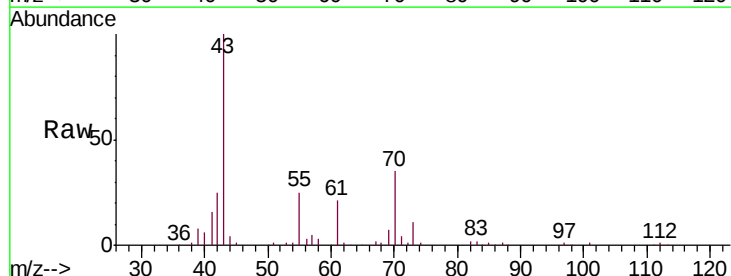
Ion Ratio Lower Upper

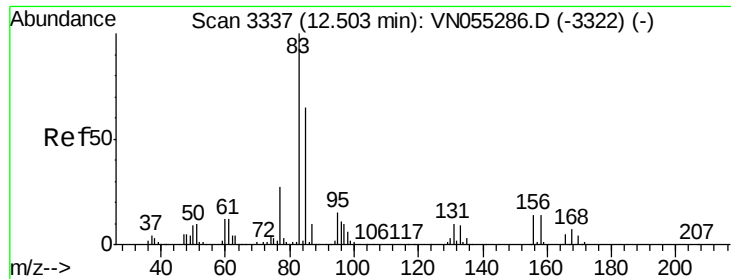
43 100

70 29.5 27.9 41.9

55 23.1 18.2 27.2

61 17.3 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.188 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

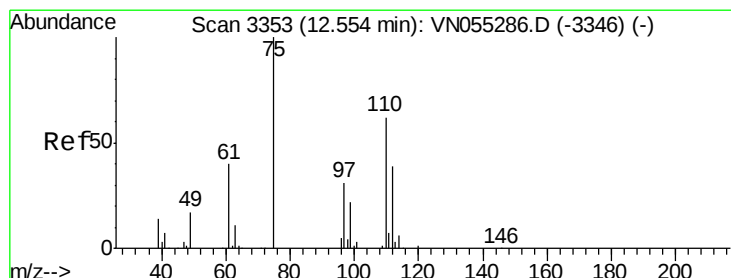
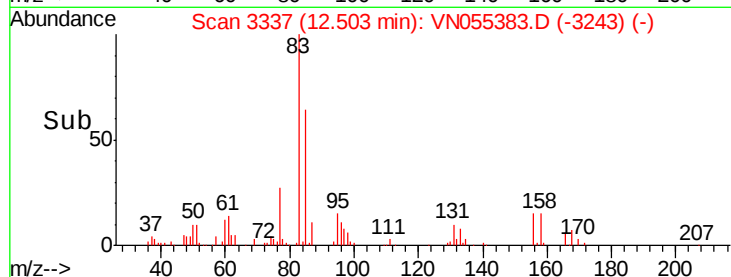
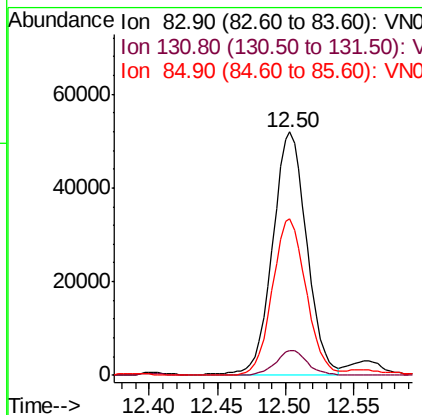
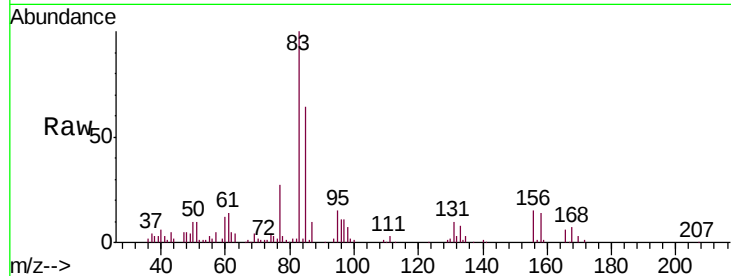
ClientSampleId :

VN0503WBS01

Tgt Ion:	83	Resp:	90413
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.2
85	63.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.032 ug/l m

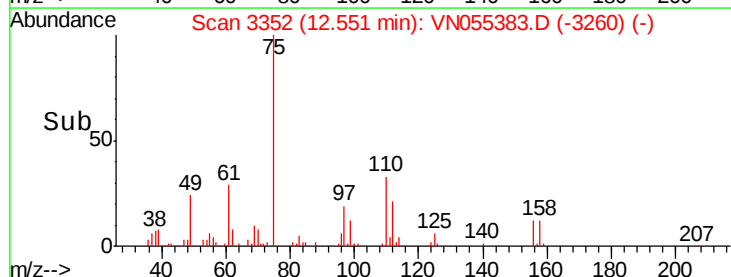
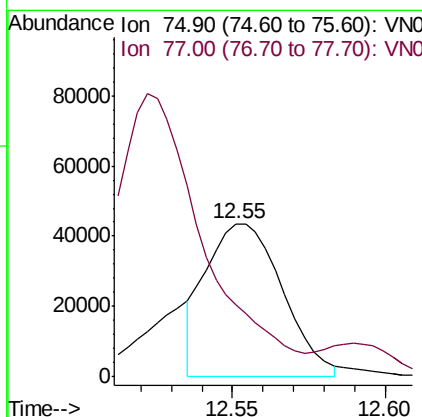
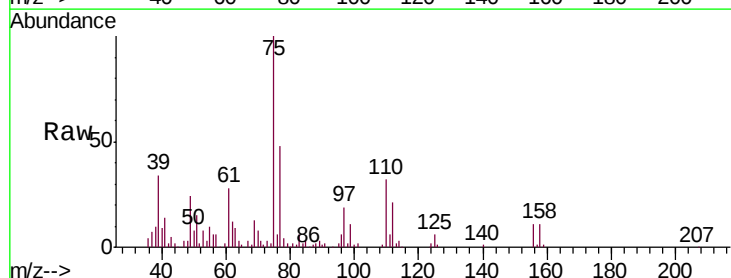
RT: 12.55 min Scan# 3352

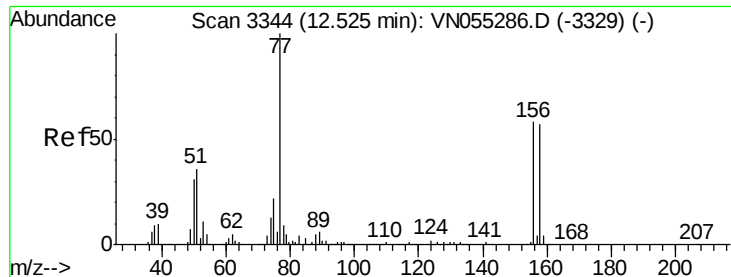
Delta R.T. -0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	75	Resp:	75868
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.678 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

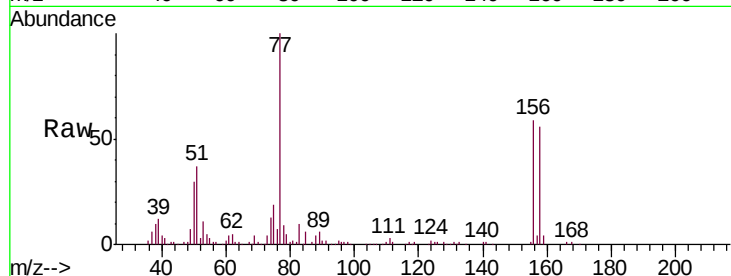
ClientSampled :

VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	199.0	99.6	298.8
158	98.1	49.3	147.8

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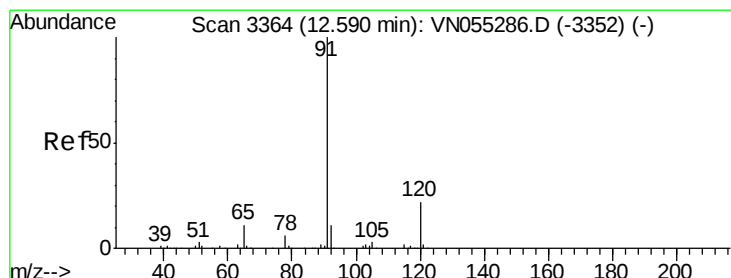
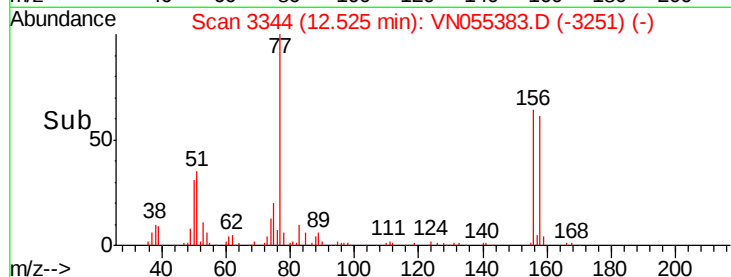
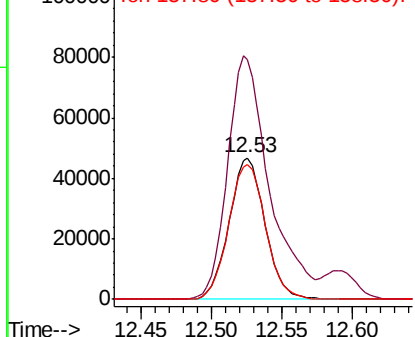
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.756 ug/l

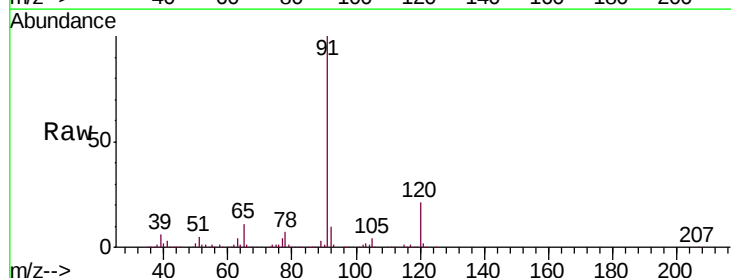
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055383.D

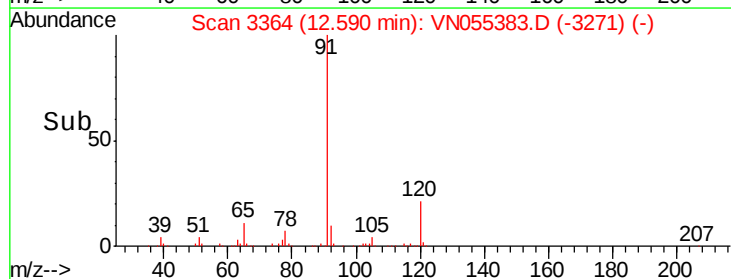
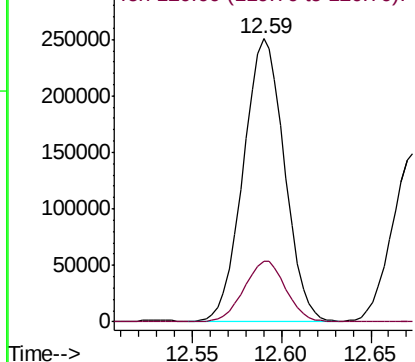
Acq: 3 May 2019 12:27

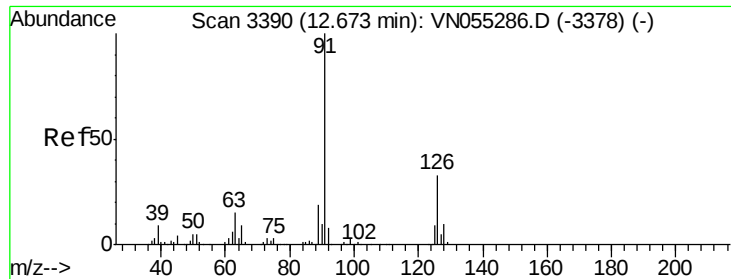
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.407 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0503WBS01

Tgt Ion: 91 Resp: 246328

Ion Ratio Lower Upper

91 100

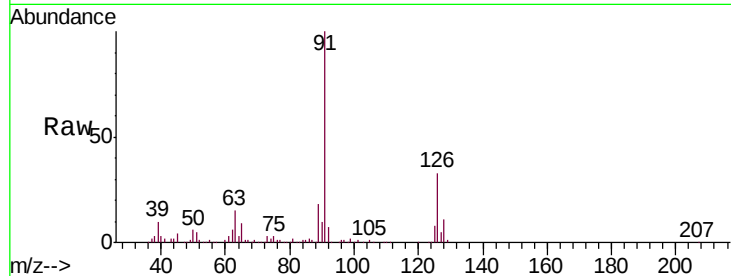
126 34.0 16.6 49.7

Manual Integrations

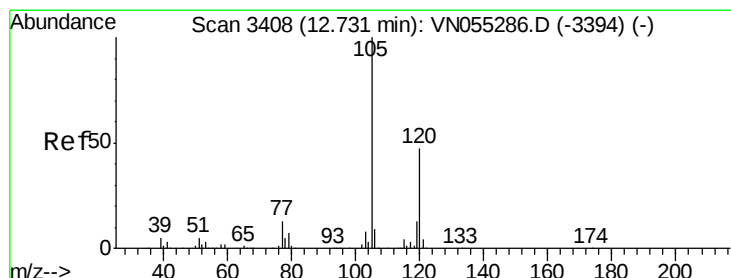
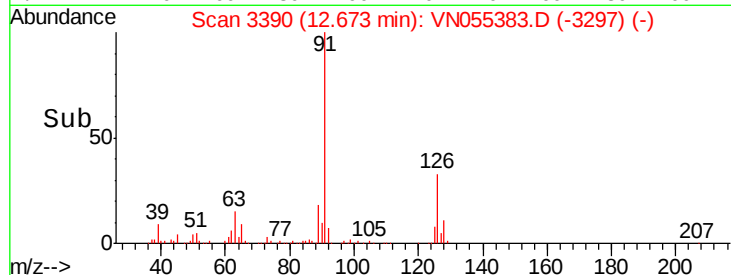
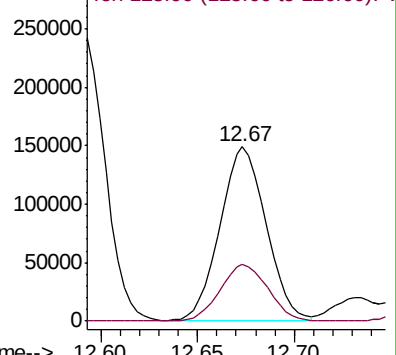
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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.441 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055383.D

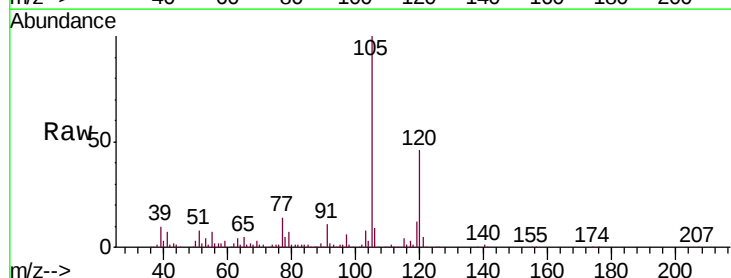
Acq: 3 May 2019 12:27

Tgt Ion: 105 Resp: 302110

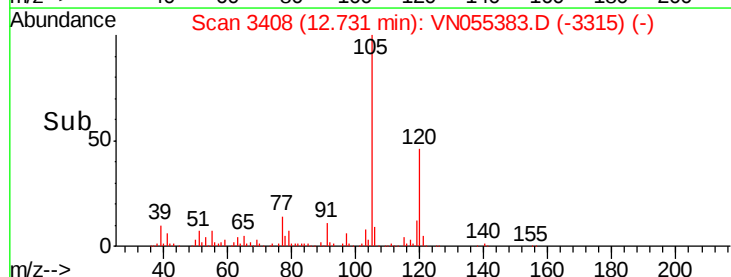
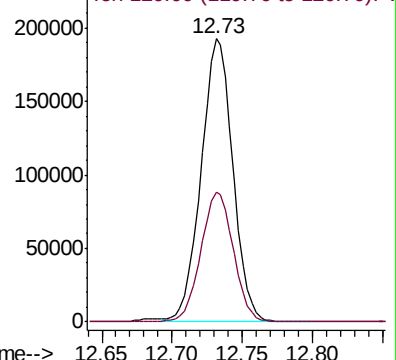
Ion Ratio Lower Upper

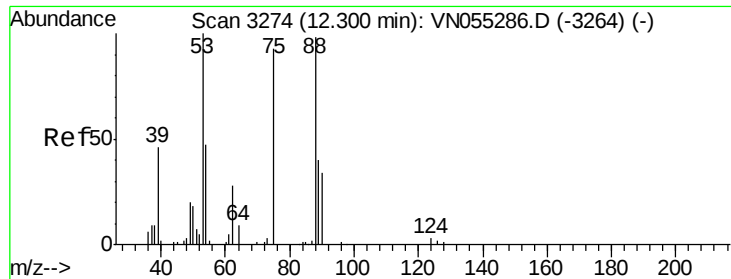
105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.769 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

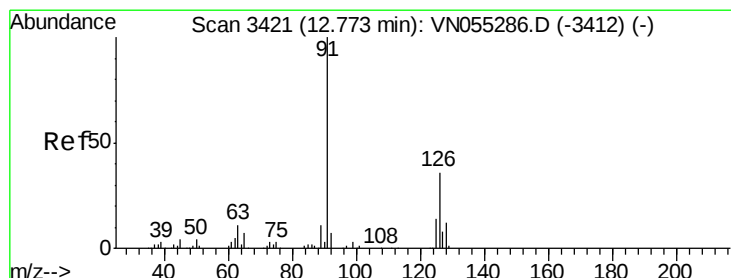
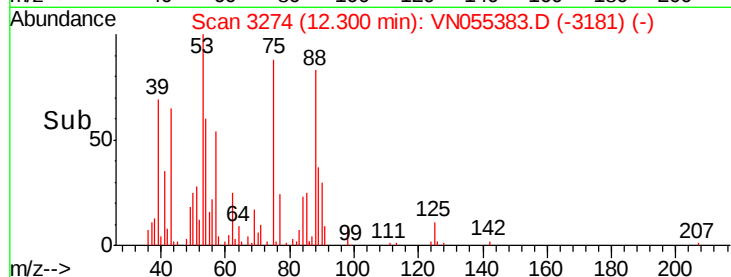
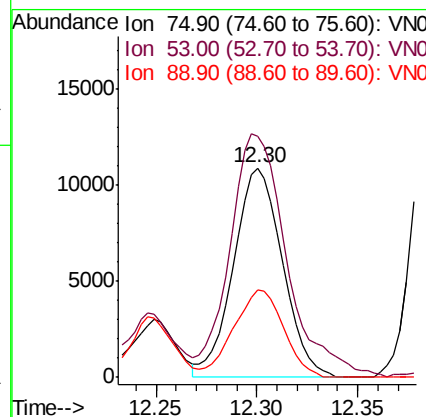
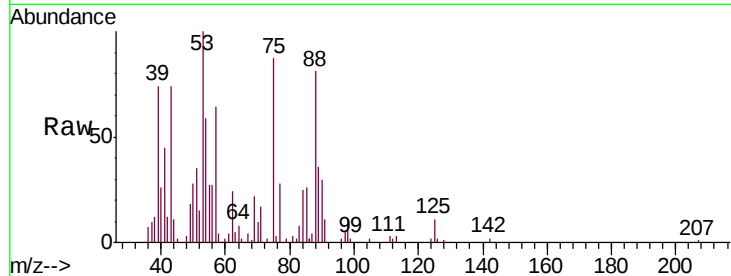
ClientSampleId :

VN0503WBS01

Tgt Ion:	75	Resp:	18586
Ion Ratio	Lower	Upper	
75	100		
53	135.4	86.3	129.5#
89	42.3	34.6	51.8

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#82

4-Chlorotoluene

Concen: 19.208 ug/l

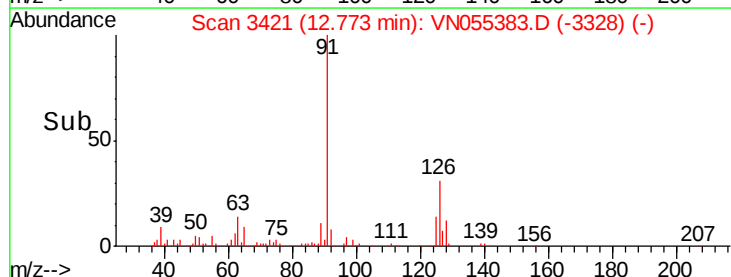
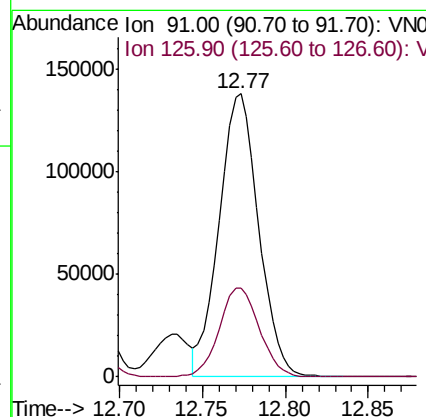
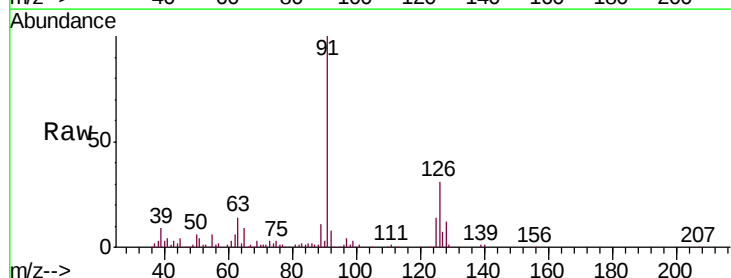
RT: 12.77 min Scan# 3421

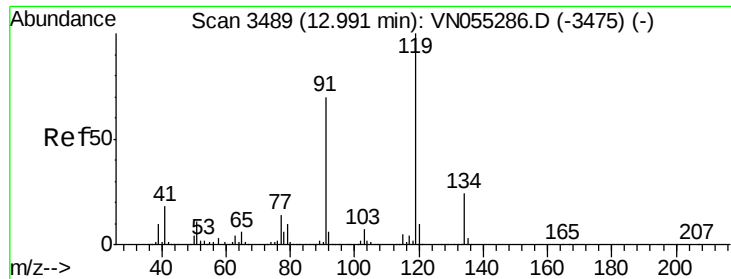
Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	91	Resp:	227408
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.6	49.7





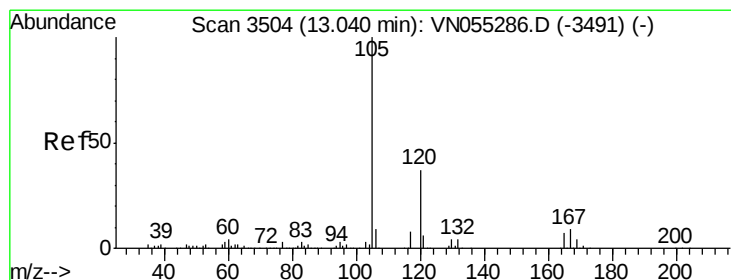
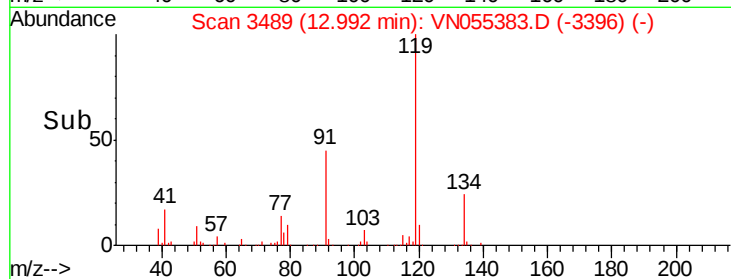
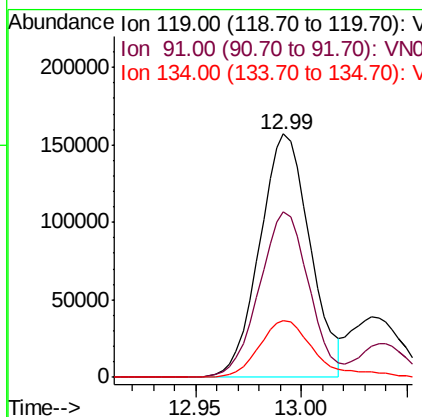
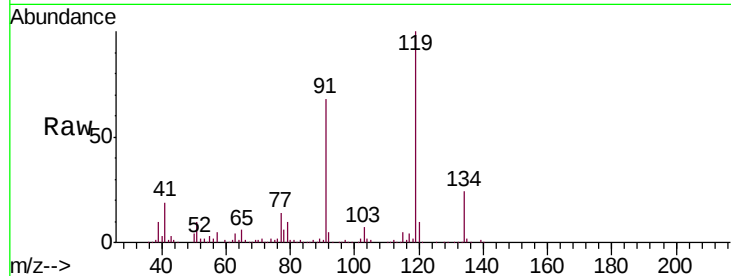
#83
 tert-Butylbenzene
 Concen: 22.139 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.2	34.3	102.9
134	25.9	13.1	39.3

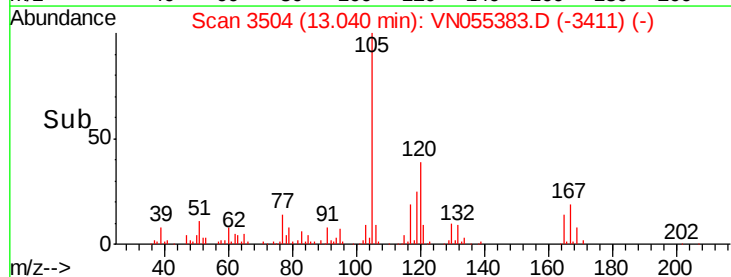
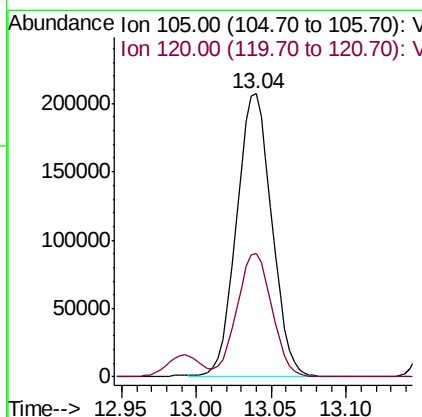
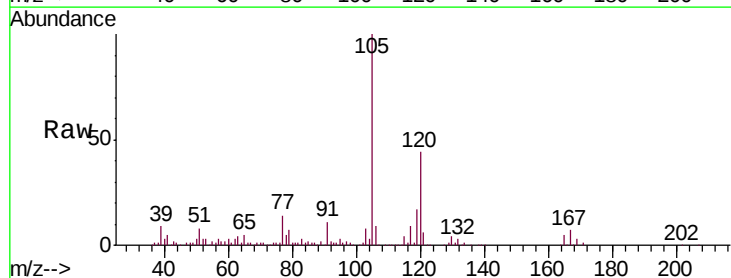
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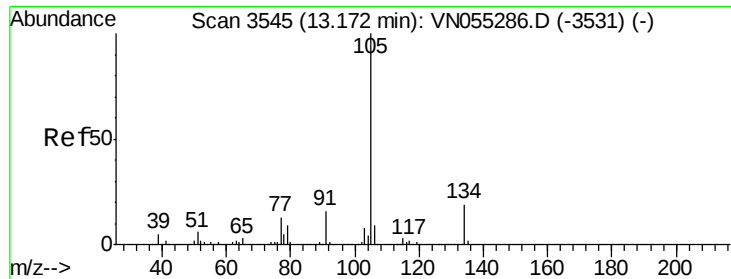
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.364 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.933 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBS01

Tgt Ion:105 Resp: 336678

Ion Ratio Lower Upper

105 100

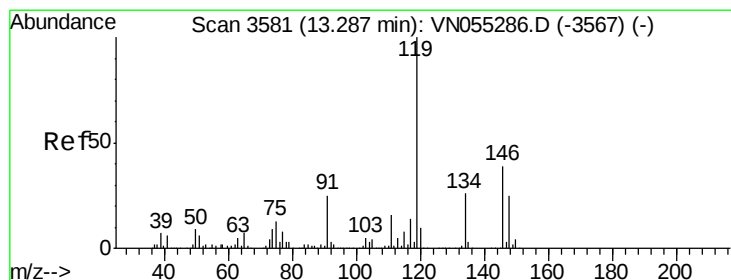
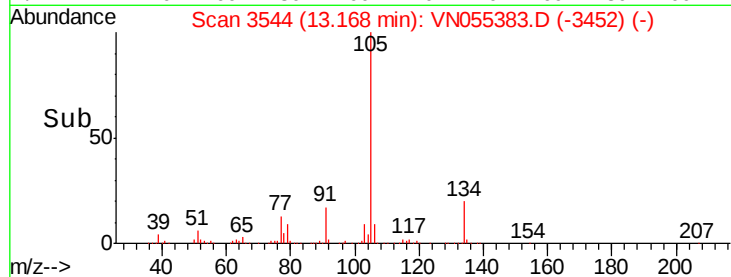
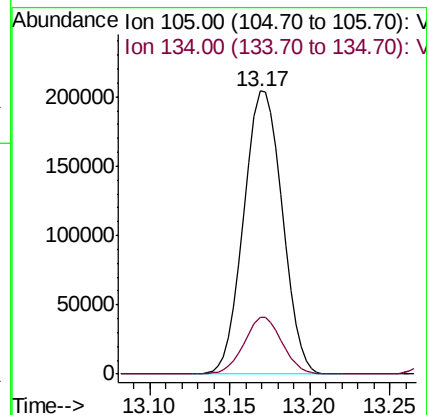
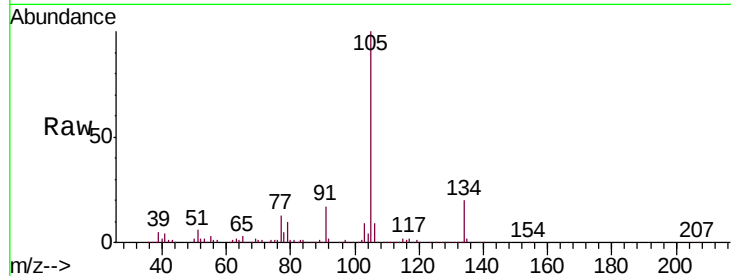
134 19.7 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 20.285 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

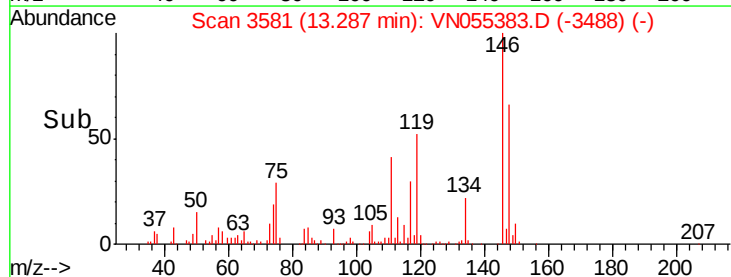
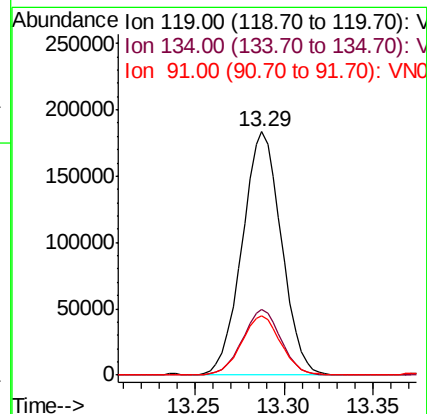
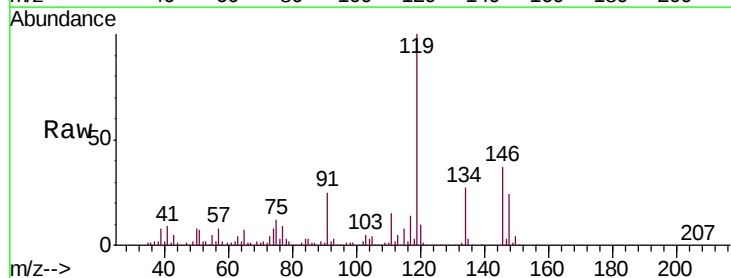
Tgt Ion:119 Resp: 281606

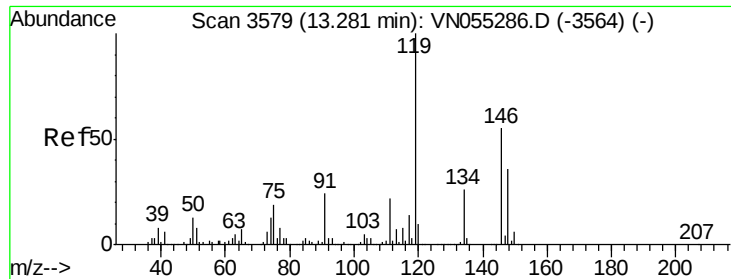
Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 24.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.634 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

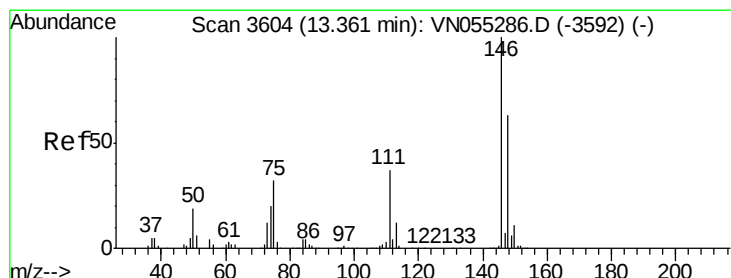
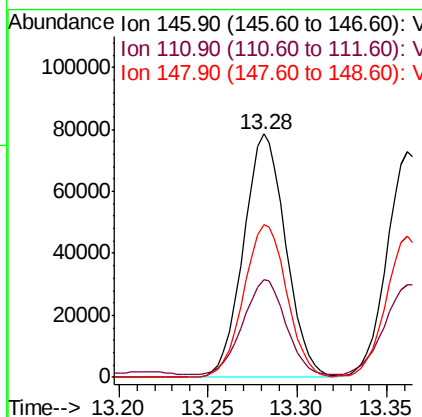
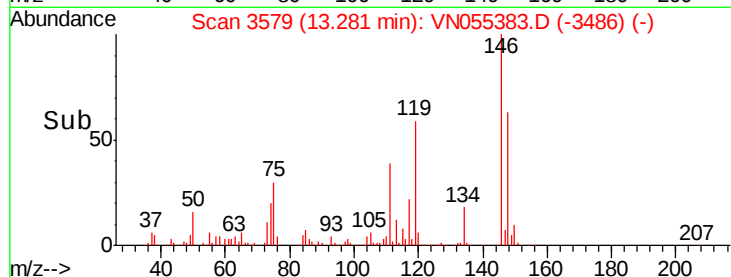
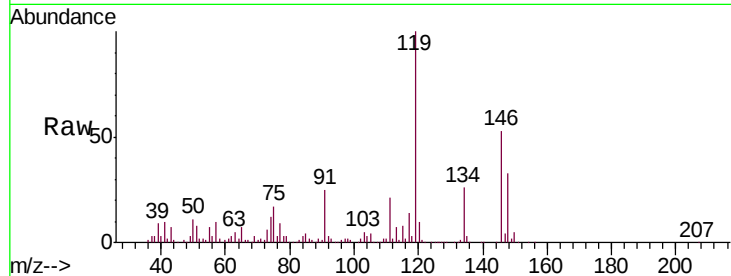
ClientSampled :

VN0503WBS01

Tgt Ion:	146	Resp:	130235
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.3	60.8
148	63.9	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.548 ug/l

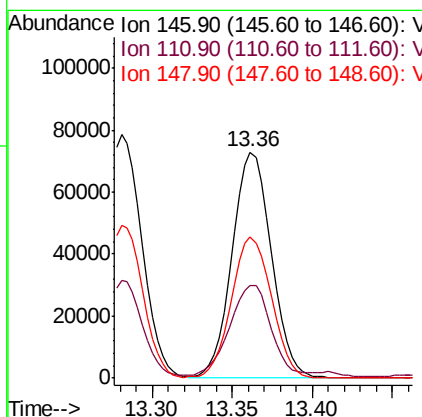
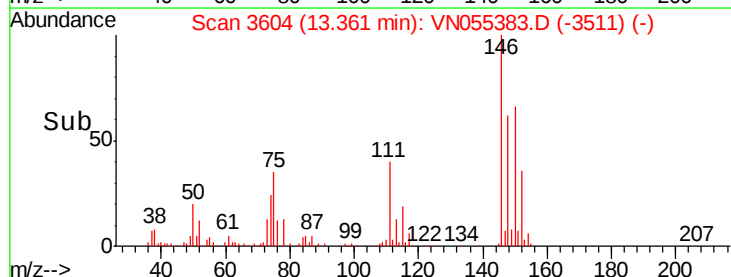
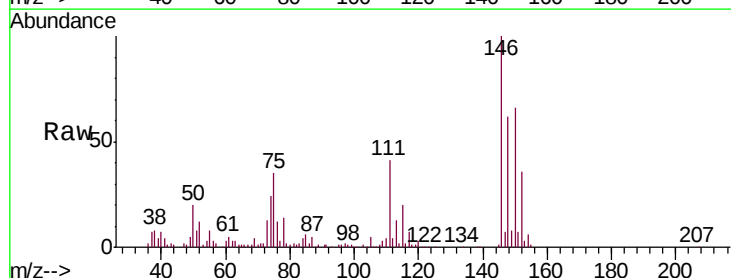
RT: 13.36 min Scan# 3604

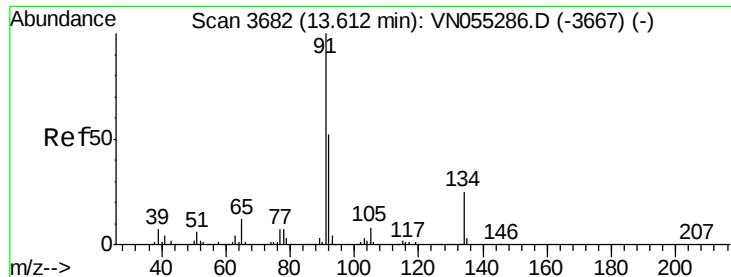
Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	146	Resp:	122105
Ion Ratio	Lower	Upper	
146	100		
111	41.7	19.5	58.5
148	63.8	32.5	97.4





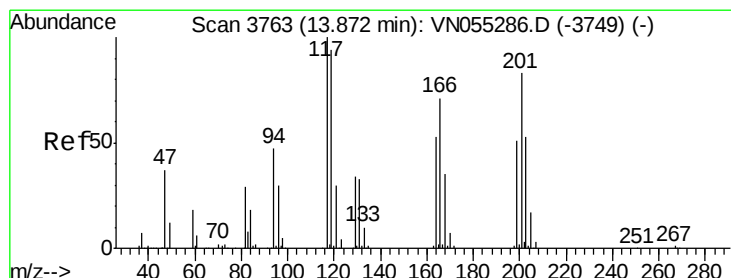
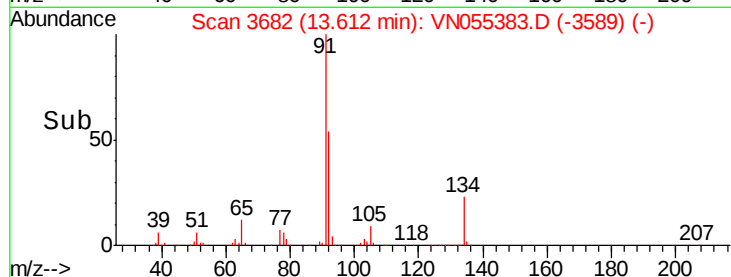
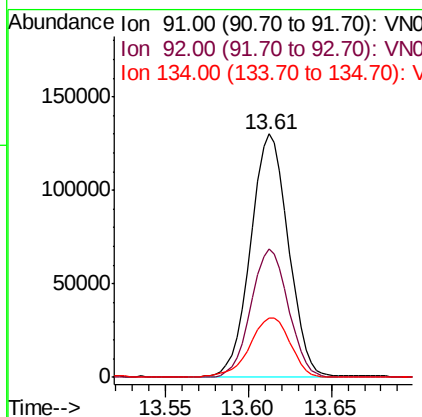
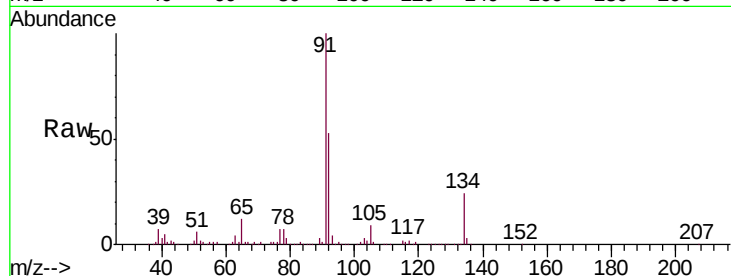
#89
n-Butylbenzene
Concen: 20.812 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	26.5	12.4	37.4

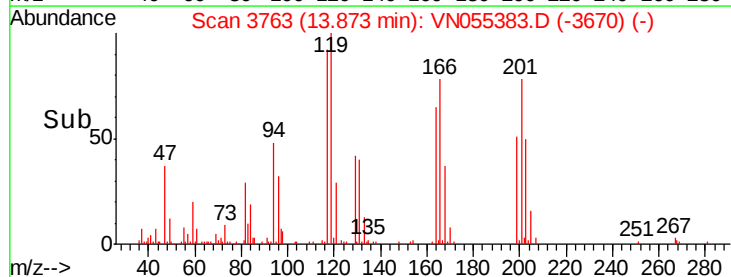
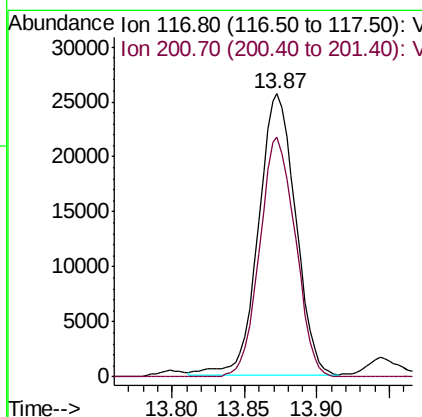
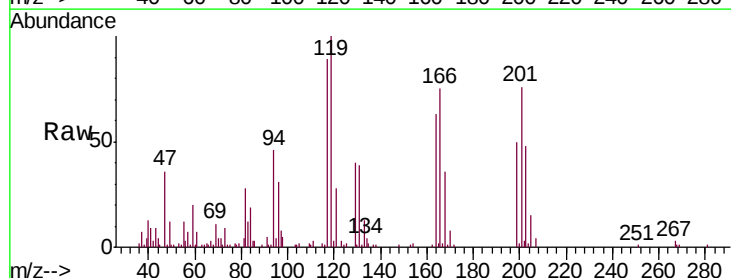
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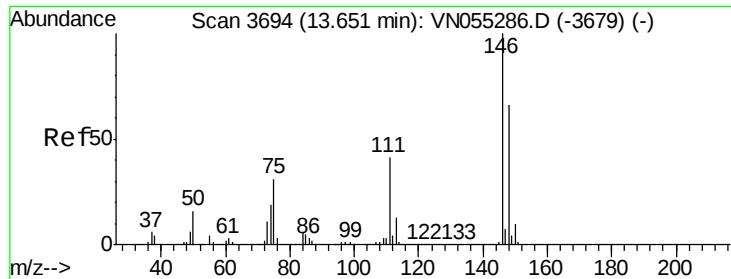
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#90
Hexachloroethane
Concen: 19.663 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055383.D
Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.9	125.8





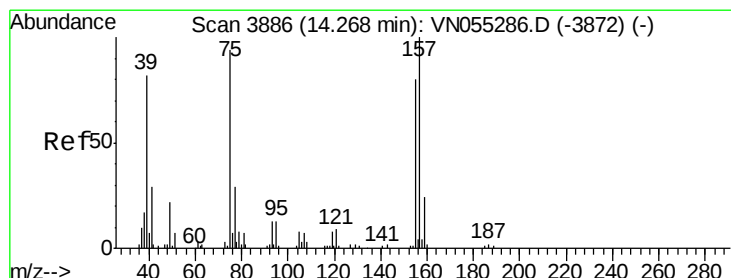
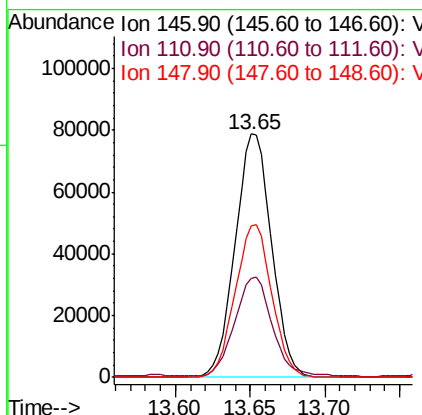
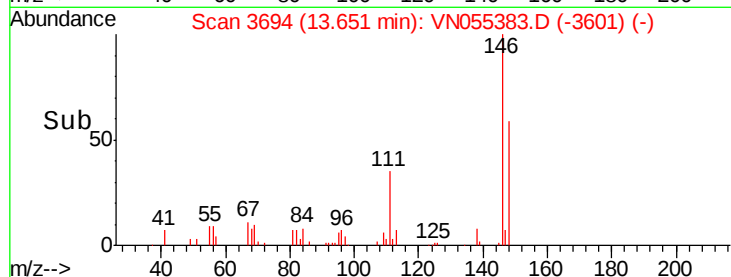
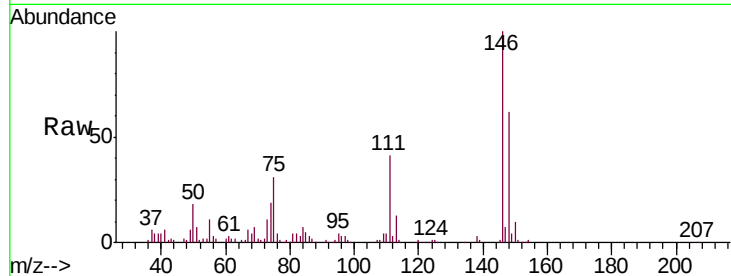
#91
 1,2-Dichlorobenzene
 Concen: 20.280 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	63.0	32.4	97.2

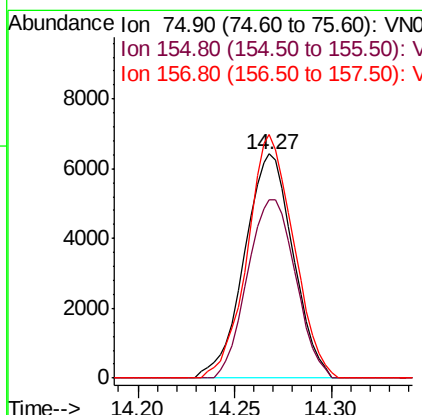
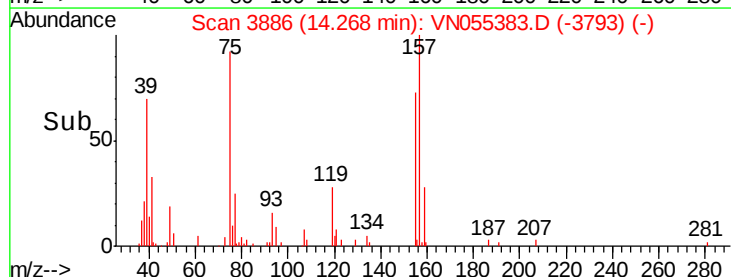
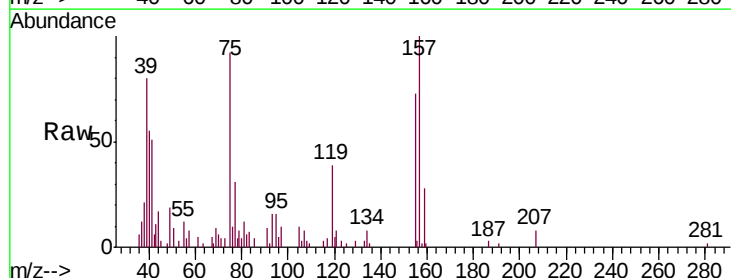
Manual Integrations
 APPROVED

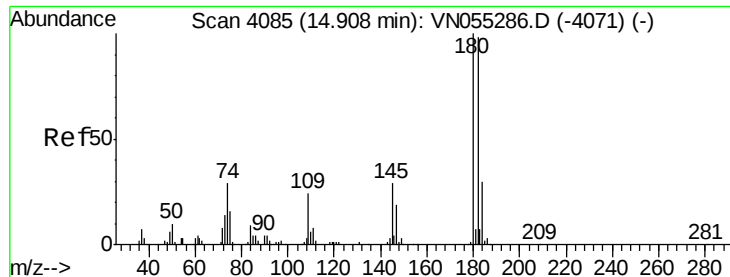
MMDadoda
 5/6/2019 10:48:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.586 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	41.5	124.6
157	103.3	54.0	162.2





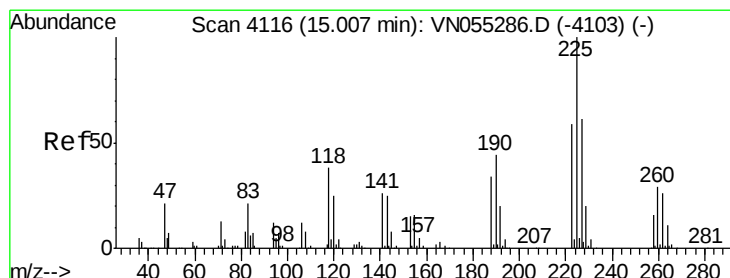
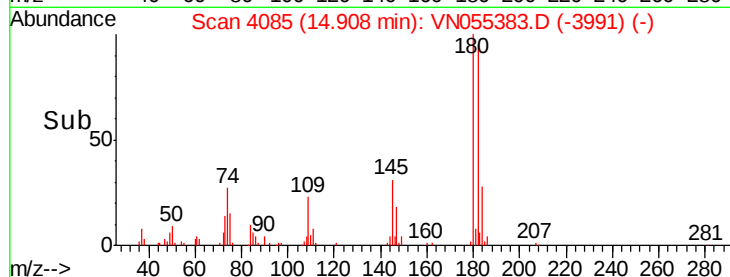
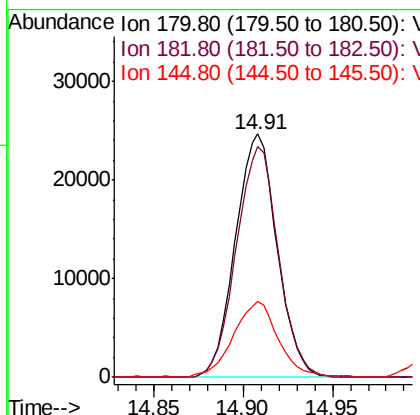
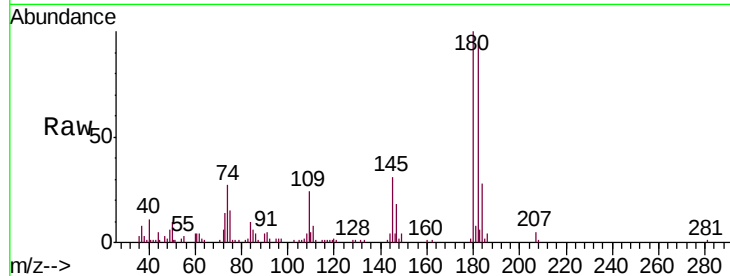
#93
 1,2,4-Trichlorobenzene
 Concen: 17.826 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	48.3	144.9
145	34.0	14.2	42.6

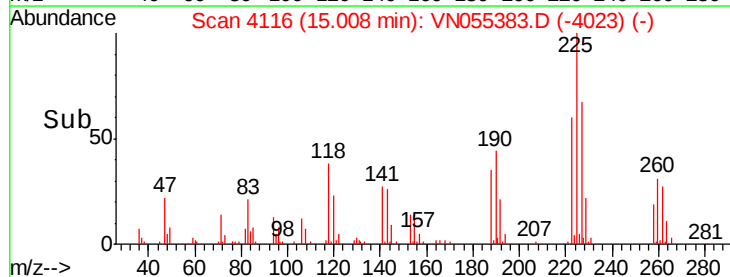
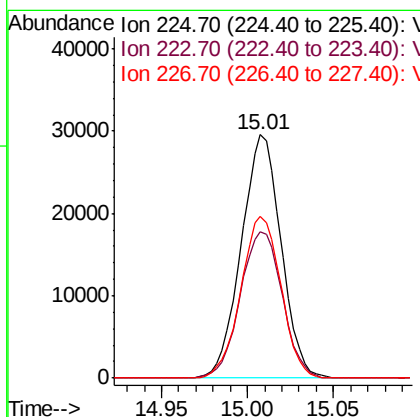
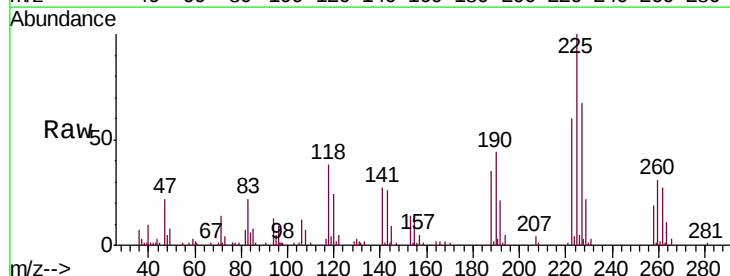
Manual Integrations
 APPROVED

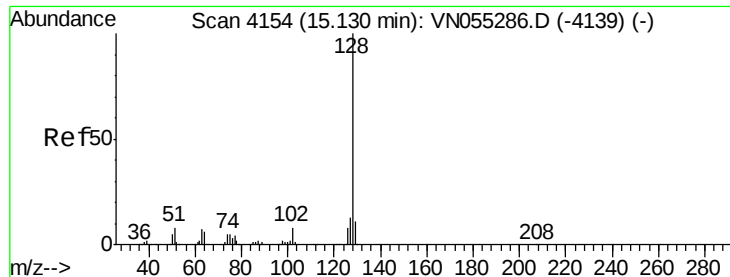
MMDadoda
 5/6/2019 10:48:05 AM



#94
 Hexachlorobutadiene
 Concen: 22.429 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055383.D
 Acq: 3 May 2019 12:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.2	30.3	90.8
227	66.8	30.9	92.7





#95

Naphthalene

Concen: 17.655 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055383.D

Acq: 3 May 2019 12:27

Instrument :

MSVOA_N

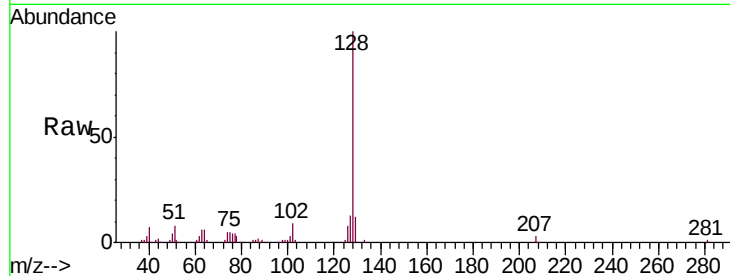
ClientSampleId :

VN0503WBS01

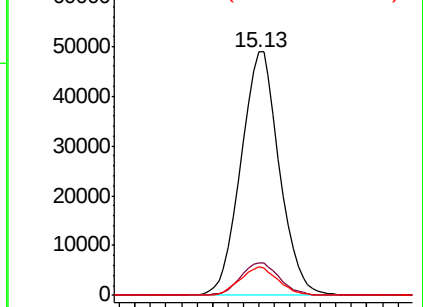
Tgt Ion:	128	Resp:	84569
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.6	8.6	13.0

Manual Integrations
APPROVED

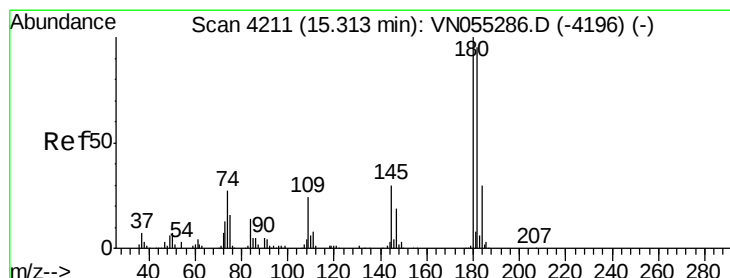
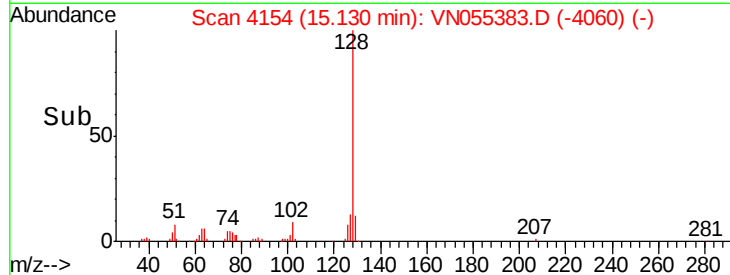
MMDadoda
5/6/2019 10:48:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.919 ug/l

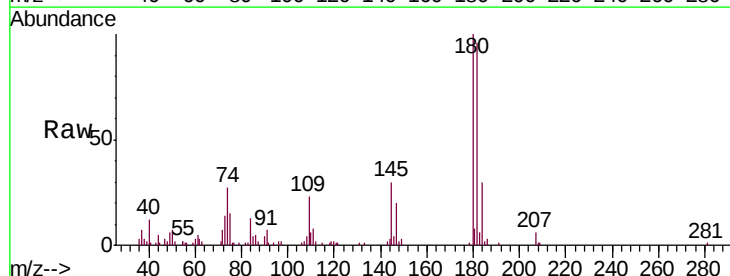
RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

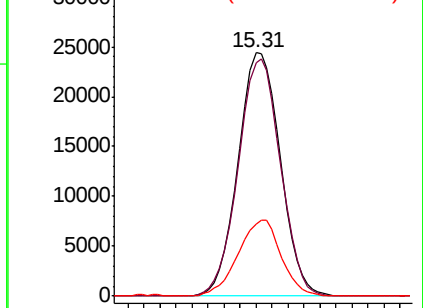
Lab File: VN055383.D

Acq: 3 May 2019 12:27

Tgt Ion:	180	Resp:	43914
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.3	144.9
145	31.9	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

