

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055282.D
 Acq On : 29 Apr 2019 9:50
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:58:45 AM

Quant Time: Apr 30 04:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	412918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.85	85	4772	0.911	ug/l	96
3) Chloromethane	2.06	50	6830	1.065	ug/l	92
4) Vinyl Chloride	2.19	62	5898	1.148	ug/l	99
6) Chloroethane	2.70	64	3245	1.189	ug/l #	85
7) Trichlorofluoromethane	3.02	101	7948	1.128	ug/l	99
8) Diethyl Ether	3.41	74	2910	1.158	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4772	1.086	ug/l	95
12) 1,1-Dichloroethene	3.74	96	4620	1.102	ug/l	91
14) Allyl chloride	4.33	41	9304	1.112	ug/l #	84
15) Acrylonitrile	5.00	53	8607	4.846	ug/l #	83
16) Acetone	3.82	43	9756	5.512	ug/l	97
17) Carbon Disulfide	4.05	76	11327	0.976	ug/l	99
18) Methyl Acetate	4.33	43	7781	1.543	ug/l #	73
19) Methyl tert-butyl Ether	5.04	73	11439m	0.977	ug/l	
20) Methylene Chloride	4.55	84	6338	1.203	ug/l #	95
21) trans-1,2-Dichloroethene	5.05	96	4600	1.046	ug/l	86
22) Diisopropyl ether	5.96	45	17643	1.054	ug/l #	91
23) Vinyl Acetate	5.90	43	50070	4.482	ug/l	98
24) 1,1-Dichloroethane	5.85	63	9673	1.081	ug/l #	96
25) 2-Butanone	6.86	43	10831	4.632	ug/l	92
26) 2,2-Dichloropropane	6.82	77	6916m	1.136	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	4772	0.937	ug/l	89
28) Bromochloromethane	7.20	49	4934	1.081	ug/l #	95
29) Tetrahydrofuran	7.23	42	6359	4.372	ug/l	95
30) Chloroform	7.37	83	9294	1.091	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	7653	1.120	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	7753	1.279	ug/l #	80
37) Ethyl Acetate	6.94	43	6053m	1.237	ug/l	
38) Carbon Tetrachloride	7.78	117	7590	1.328	ug/l	88
39) Methylcyclohexane	9.08	83	6933	0.961	ug/l	91
40) Benzene	8.05	78	19771	1.051	ug/l	99
41) Methacrylonitrile	7.18	41	3285	1.277	ug/l #	55
42) 1,2-Dichloroethane	8.12	62	7059	1.075	ug/l	98
43) Isopropyl Acetate	8.17	43	7863	0.987	ug/l #	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	5567	1.173	ug/l	97
45) 1,2-Dichloropropane	9.12	63	6155	1.156	ug/l #	76
46) Dibromomethane	9.21	93	3117	1.028	ug/l	95
47) Bromodichloromethane	9.40	83	6710	1.100	ug/l #	90
48) Methyl methacrylate	9.20	41	4181	1.076	ug/l #	80
49) 1,4-Dioxane	9.20	88	696	15.881	ug/l #	36
51) 4-Methyl-2-Pentanone	9.98	43	21081	4.601	ug/l	100
52) Toluene	10.15	92	10742	0.979	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5132	0.917	ug/l	91
54) cis-1,3-Dichloropropene	9.84	75	6423	0.925	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	4145	1.018	ug/l	95
56) Ethyl methacrylate	10.43	69	4174	0.826	ug/l #	78
57) 1,3-Dichloropropane	10.71	76	7153	1.011	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.69	63	5640	3.615	ug/l	99
59) 2-Hexanone	10.75	43	13948	4.877	ug/l	86
60) Dibromochloromethane	10.90	129	3936	0.938	ug/l	97
61) 1,2-Dibromoethane	11.00	107	3710	0.974	ug/l	91
64) Tetrachloroethene	10.63	164	5121	1.153	ug/l	97
65) Chlorobenzene	11.43	112	11331	1.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	4669	1.130	ug/l #	58
67) Ethyl Benzene	11.51	91	19469	0.984	ug/l	91
68) m/p-Xylenes	11.62	106	13584	1.921	ug/l	95
69) o-Xylene	11.94	106	6896	0.981	ug/l	98
70) Styrene	11.96	104	9343	0.860	ug/l	96
71) Bromoform	12.12	173	2143	0.877	ug/l #	70
73) Isopropylbenzene	12.25	105	17718	1.308	ug/l	99
74) N-amyl acetate	12.07	43	3887	1.073	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	4895	1.370	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	4254m	1.473	ug/l	
77) Bromobenzene	12.53	156	3798	1.226	ug/l	89
78) n-propylbenzene	12.59	91	16101	1.139	ug/l	100
79) 2-Chlorotoluene	12.67	91	11282	1.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	13111	1.245	ug/l	96
82) 4-Chlorotoluene	12.77	91	9905	1.212	ug/l	100
83) tert-Butylbenzene	12.99	119	13119	1.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10502	1.058	ug/l	98
85) sec-Butylbenzene	13.17	105	13656	1.145	ug/l	99
86) p-Isopropyltoluene	13.29	119	11006	1.122	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5104	1.079	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4620m	1.002	ug/l	
89) n-Butylbenzene	13.61	91	7261	1.005	ug/l	99
90) Hexachloroethane	13.87	117	2588	1.479	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	4783	0.986	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	258	0.606	ug/l #	27
93) 1,2,4-Trichlorobenzene	14.90	180	1407	0.834	ug/l #	86
94) Hexachlorobutadiene	15.01	225	2235	1.275	ug/l	91
95) Naphthalene	15.13	128	2977	0.838	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.31	180	1371	0.783	ug/l #	86

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VSTDICC001

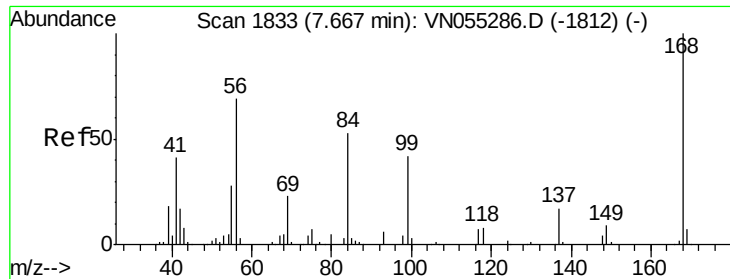
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 412918

Ion Ratio Lower Upper

168 100

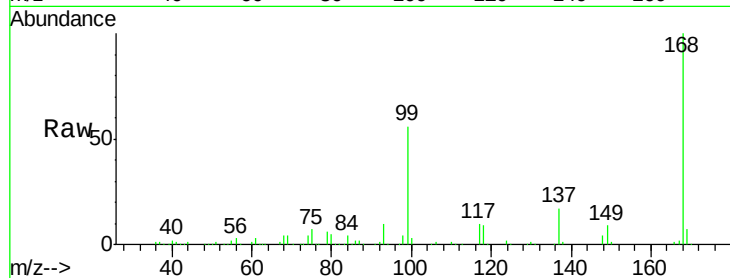
99 55.8 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

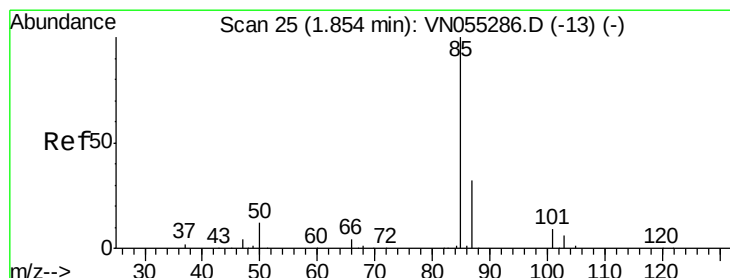
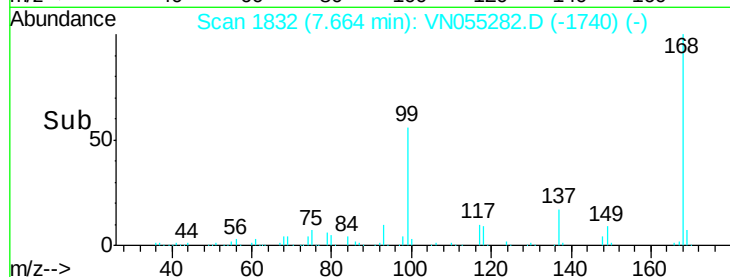
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.911 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055282.D

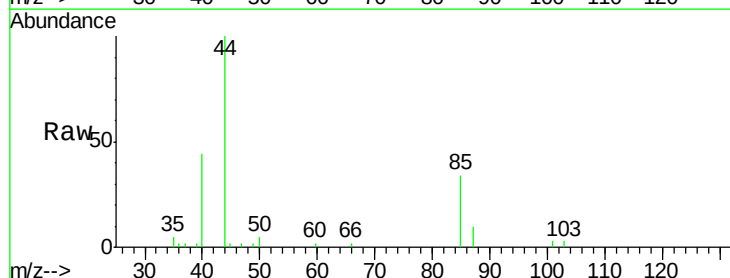
Acq: 29 Apr 2019 9:50

Tgt Ion: 85 Resp: 4772

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

4000

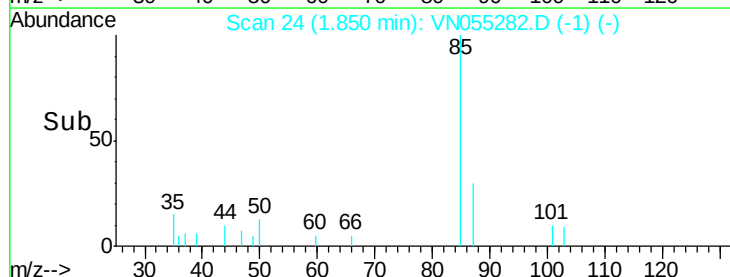
3000

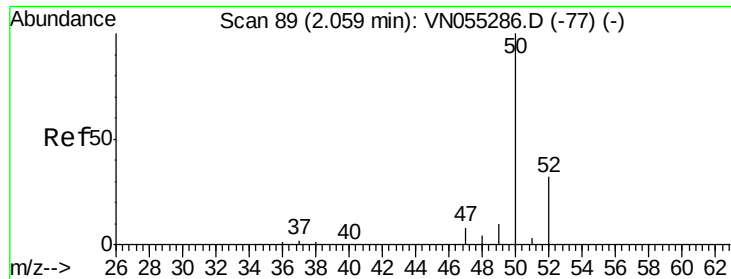
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.065 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 6830

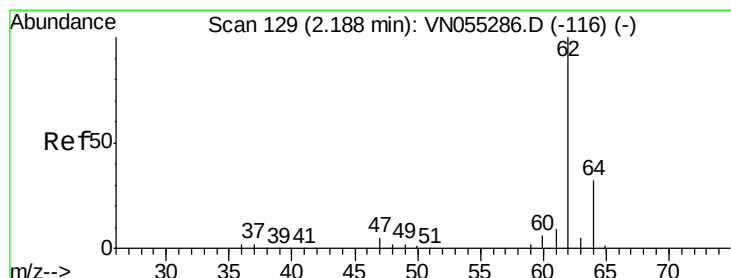
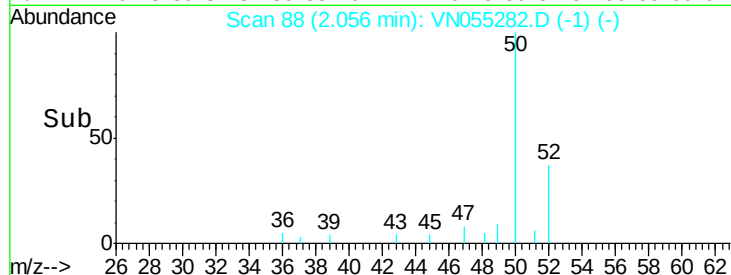
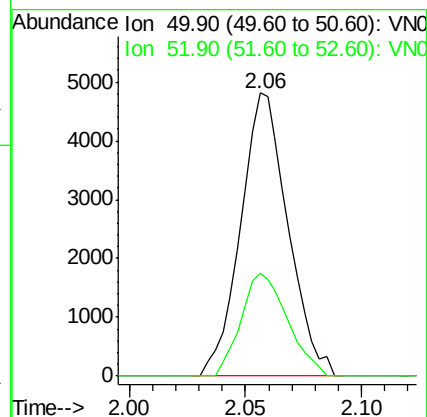
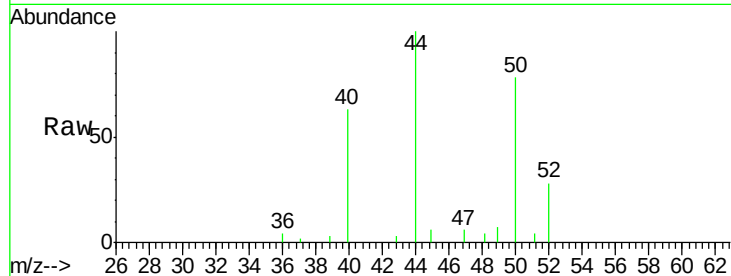
Ion Ratio Lower Upper

50 100

52 36.5 25.7 38.5

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#4

Vinyl Chloride

Concen: 1.148 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055282.D

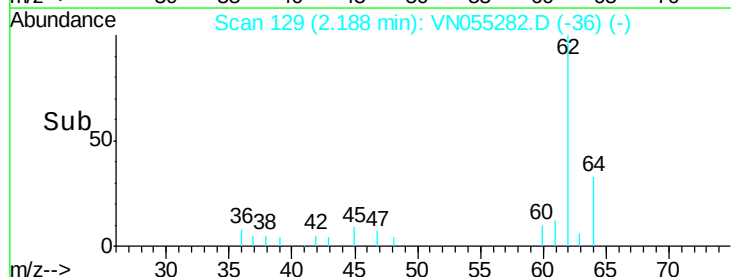
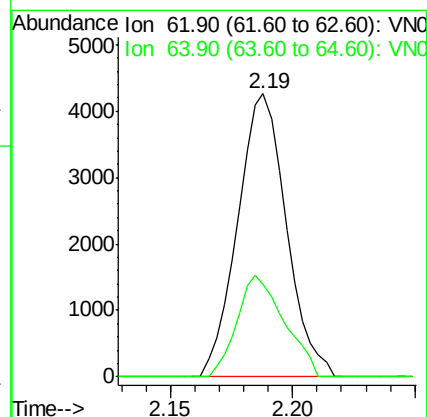
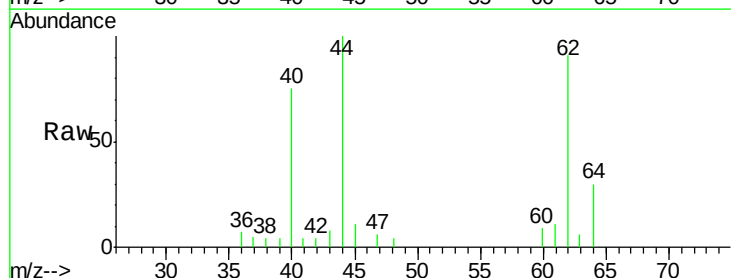
Acq: 29 Apr 2019 9:50

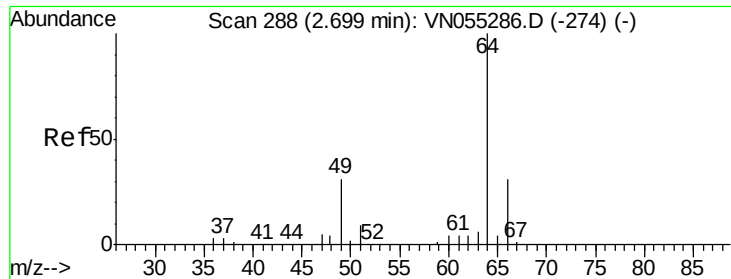
Tgt Ion: 62 Resp: 5898

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#6

Chloroethane

Concen: 1.189 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3245

Ion Ratio Lower Upper

64 100

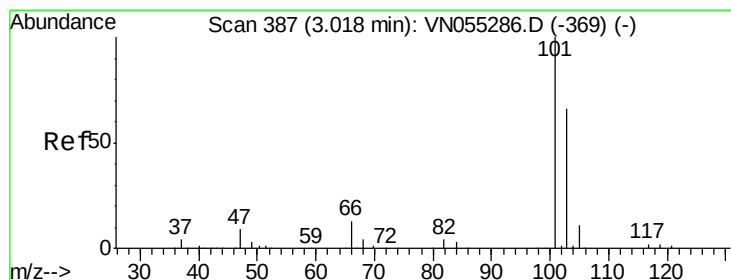
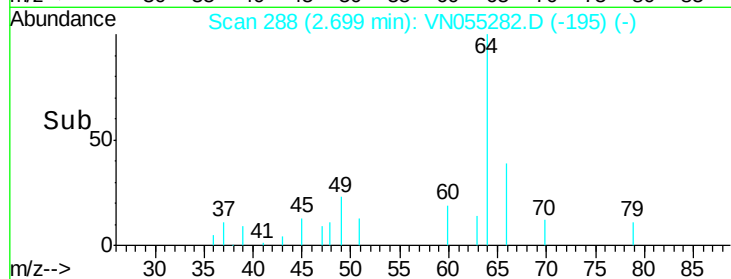
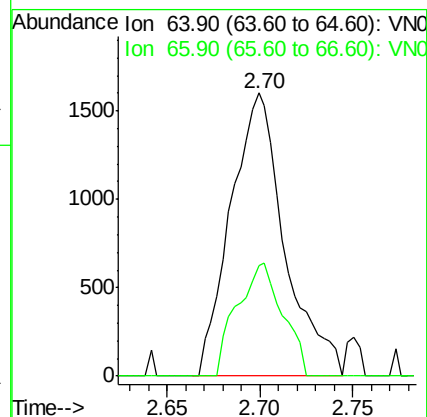
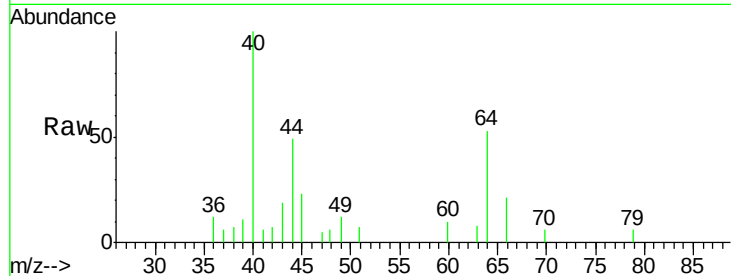
66 39.2 25.0 37.4#

Manual Integrations

APPROVED

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#7

Trichlorofluoromethane

Concen: 1.128 ug/l

RT: 3.02 min Scan# 387

Delta R.T. 0.00 min

Lab File: VN055282.D

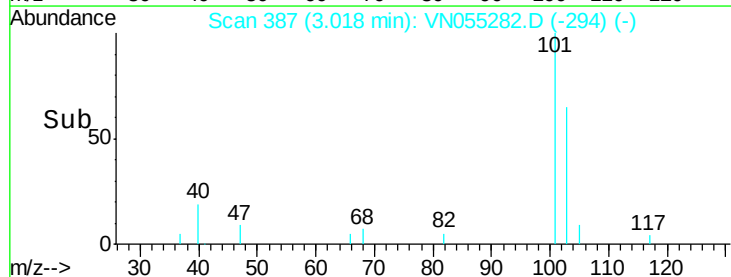
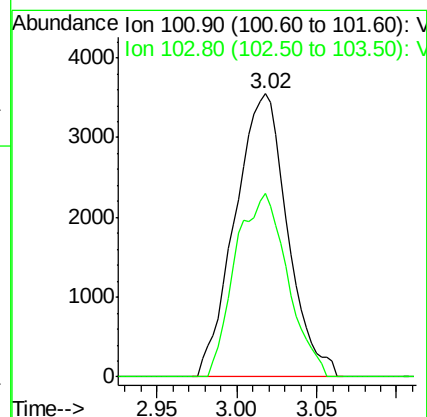
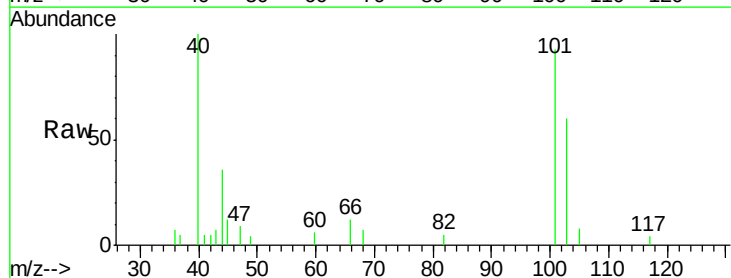
Acq: 29 Apr 2019 9:50

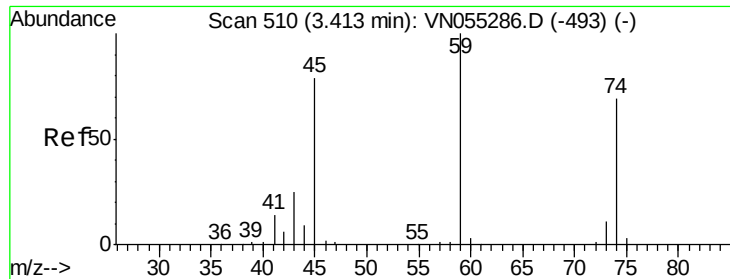
Tgt Ion: 101 Resp: 7948

Ion Ratio Lower Upper

101 100

103 64.9 52.6 79.0





#8

Diethyl Ether

Concen: 1.158 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

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ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2910

Ion Ratio Lower Upper

74 100

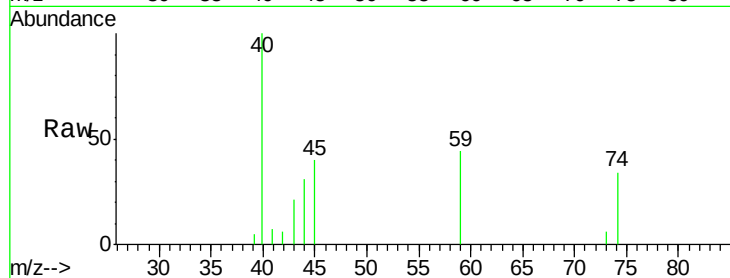
45 133.7 58.9 176.6

Manual Integrations

APPROVED

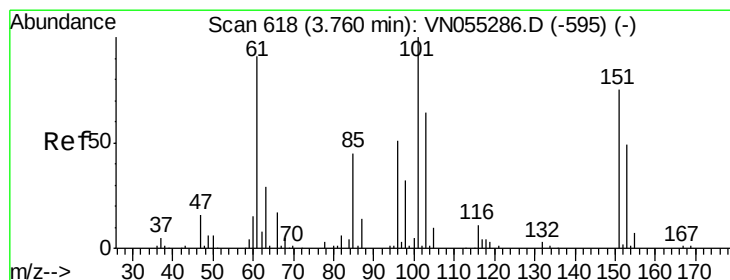
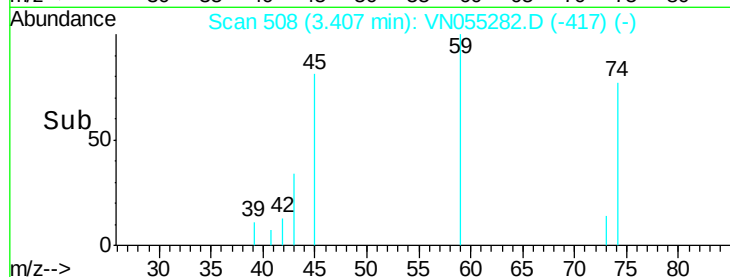
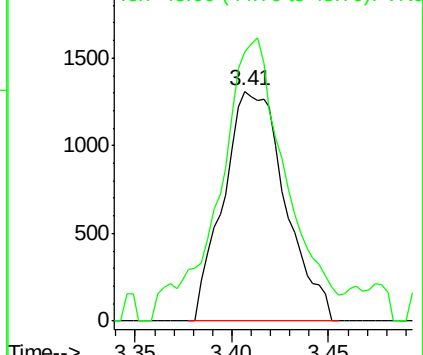
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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.086 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

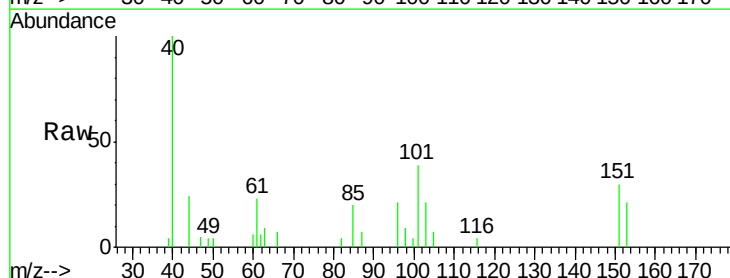
Tgt Ion: 101 Resp: 4772

Ion Ratio Lower Upper

101 100

85 50.8 35.7 53.5

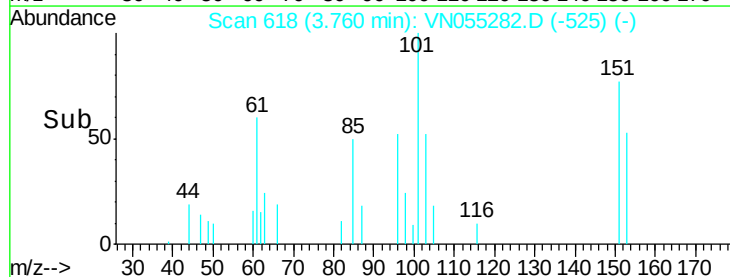
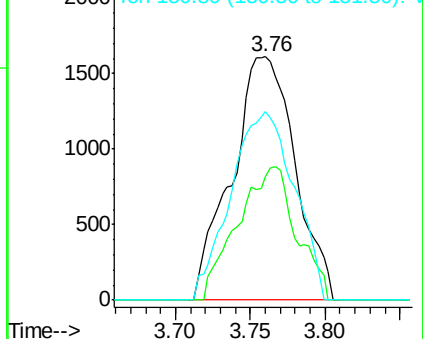
151 77.3 63.3 94.9

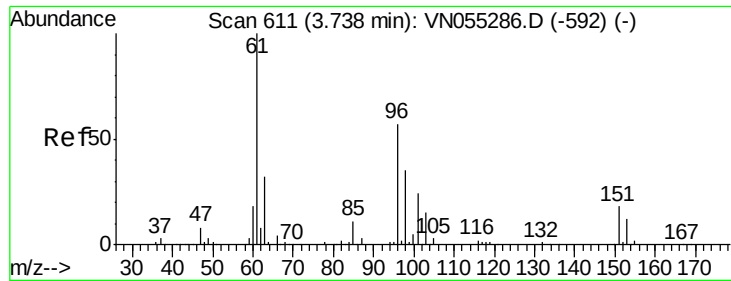


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





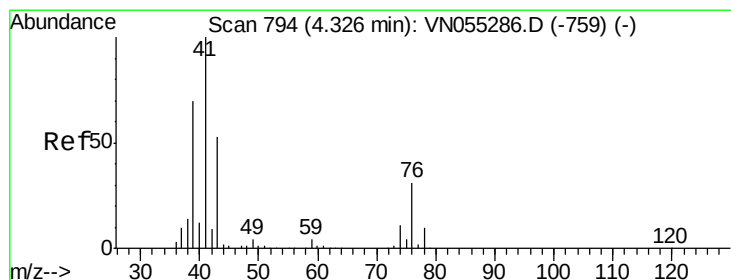
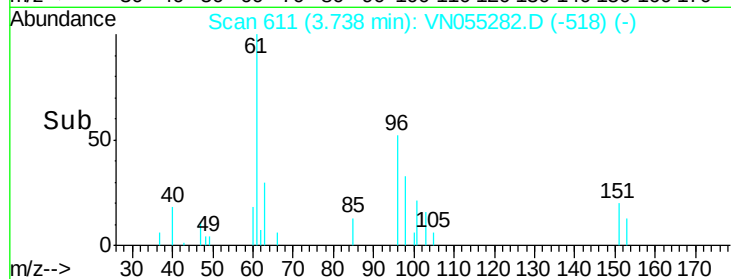
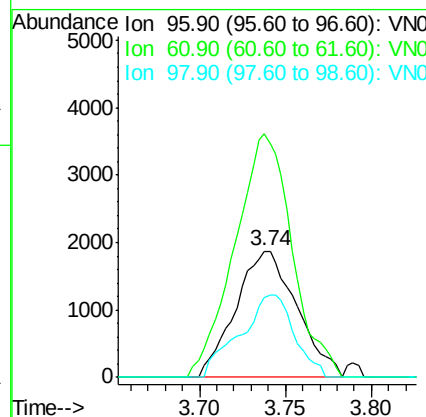
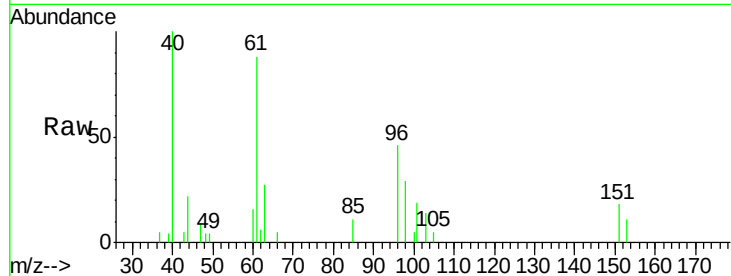
#12
1,1-Dichloroethene
Concen: 1.102 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055282.D
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VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	193.1	140.9	211.3
98	63.7	50.0	75.0

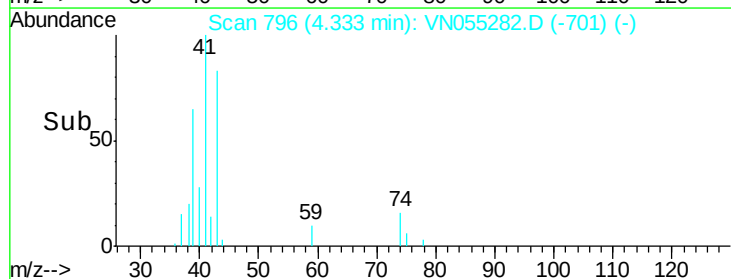
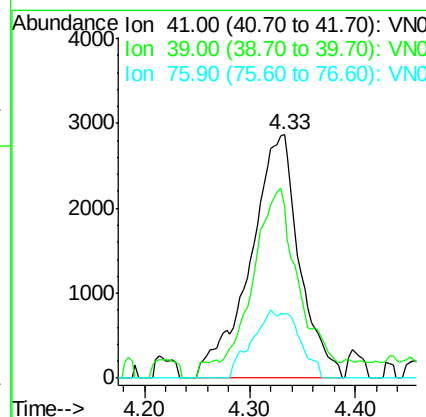
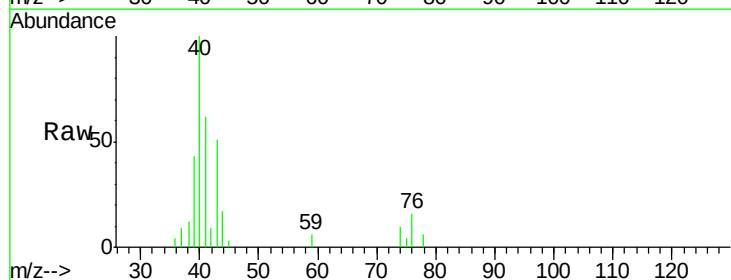
Manual Integrations
APPROVED

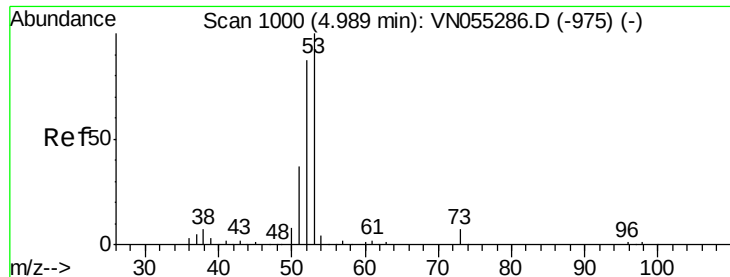
MMDadoda
4/30/2019 11:58:45 AM



#14
Allyl chloride
Concen: 1.112 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.8	53.0	79.6
76	14.7	22.7	34.1





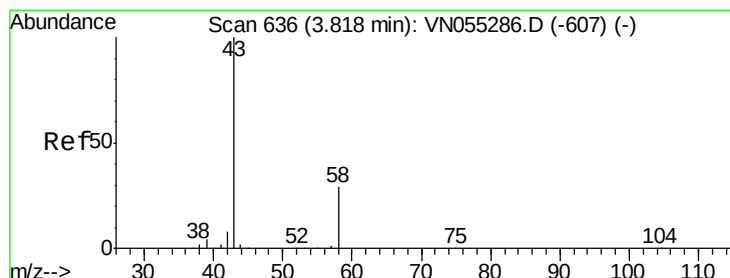
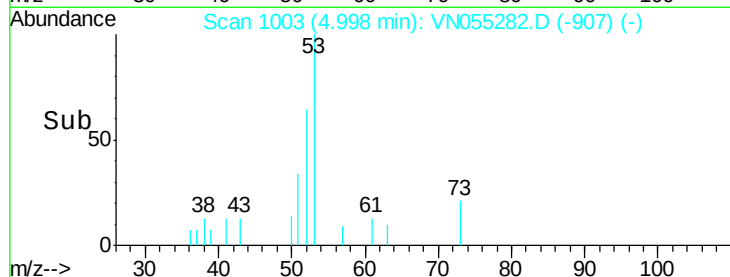
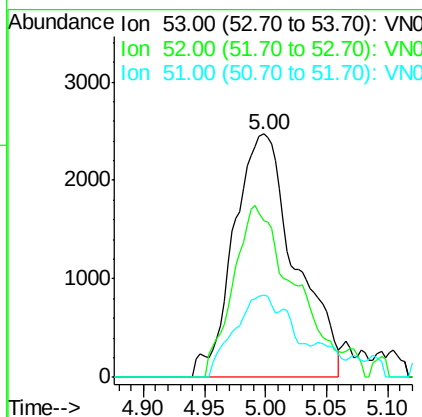
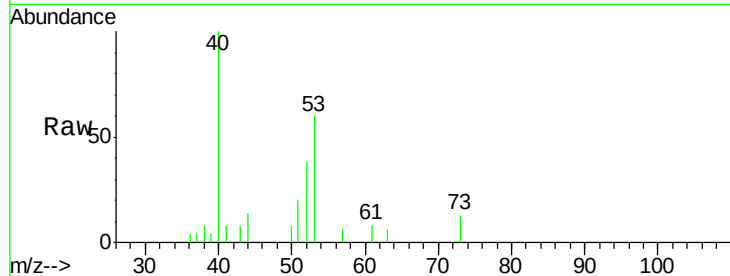
#15
 Acrylonitrile
 Concen: 4.846 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	53	Resp	8607
Ion Ratio	100	Lower	Upper
52	70.2	66.5	99.7
51	23.2	29.6	44.4#

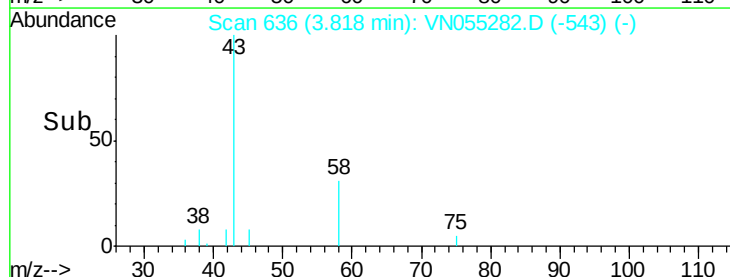
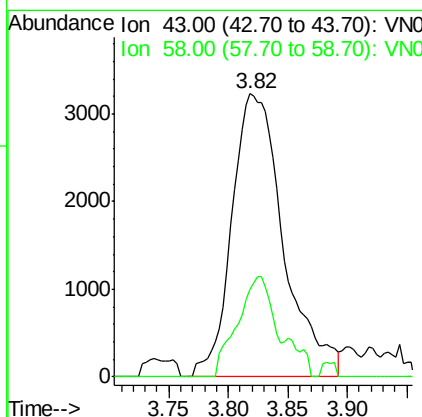
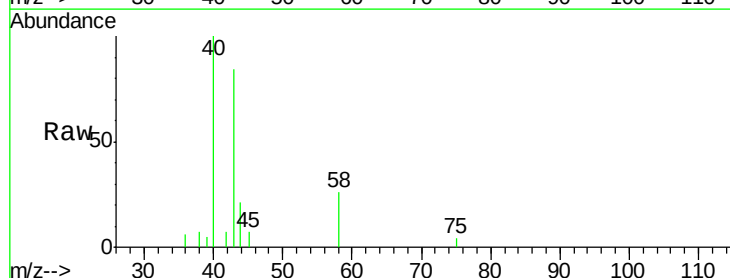
Manual Integrations
 APPROVED

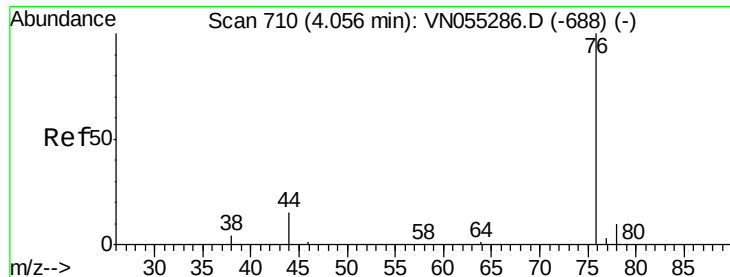
MMDadoda
 4/30/2019 11:58:45 AM



#16
 Acetone
 Concen: 5.512 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	43	Resp	9756
Ion Ratio	100	Lower	Upper
58	31.1	23.6	35.4





#17

Carbon Disulfide

Concen: 0.976 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tot Ion: 76 Resp: 11327

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

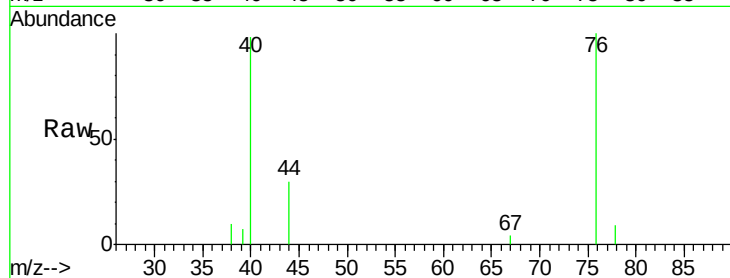
VSTDIC001

Manual Integrations

APPROVED

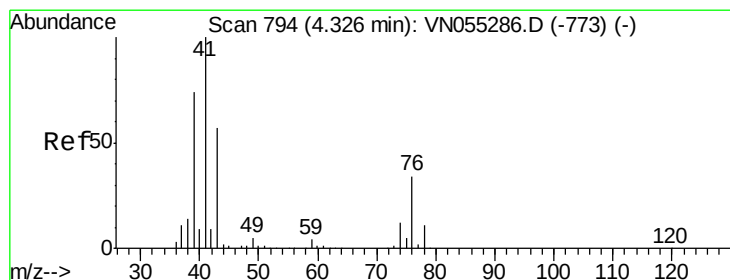
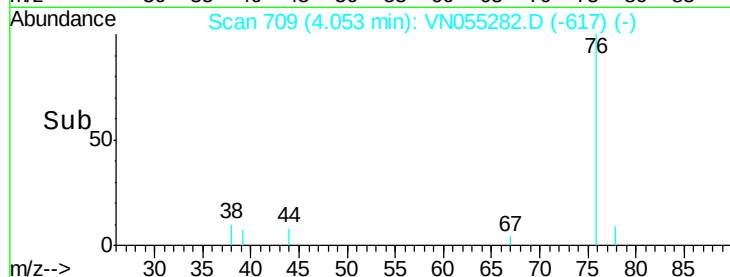
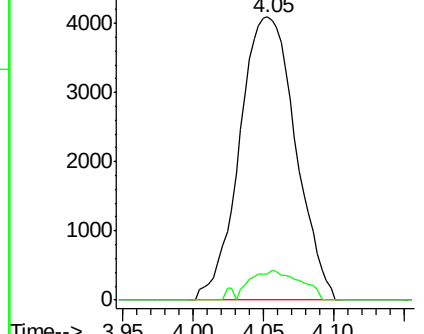
MMDadoda

4/30/2019 11:58:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.543 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055282.D

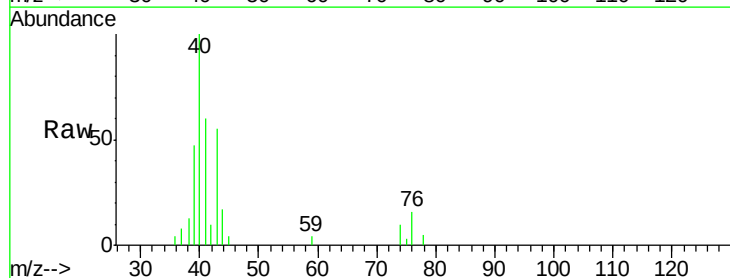
Acq: 29 Apr 2019 9:50

Tgt Ion: 43 Resp: 7781

Ion Ratio Lower Upper

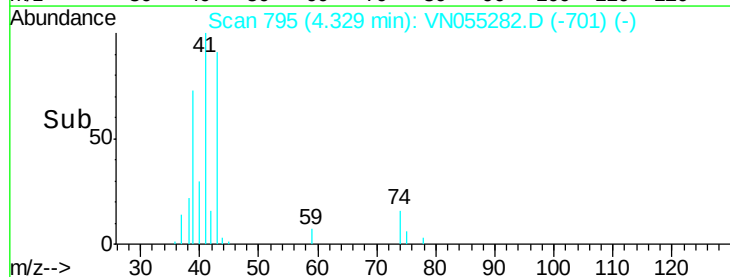
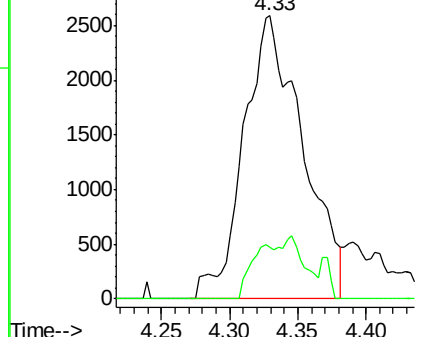
43 100

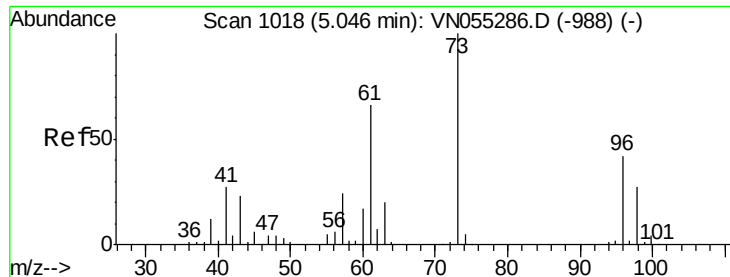
74 7.6 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





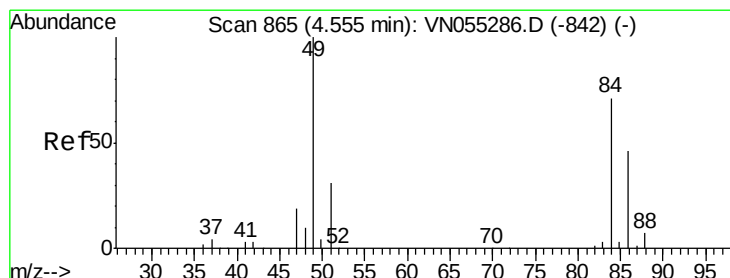
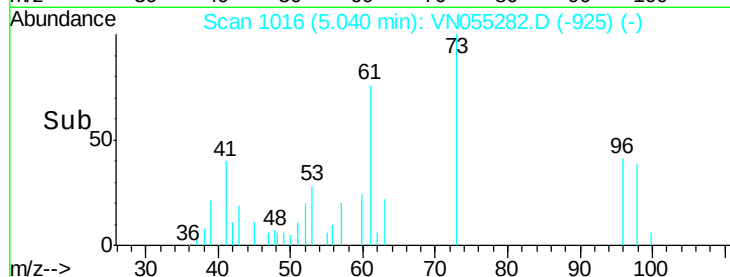
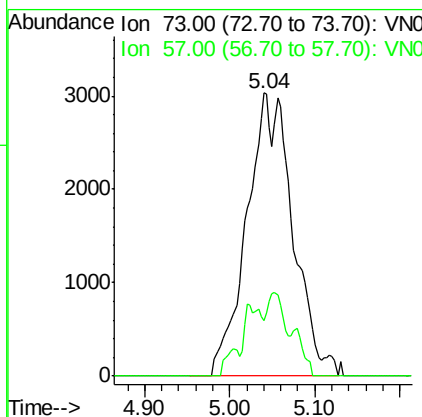
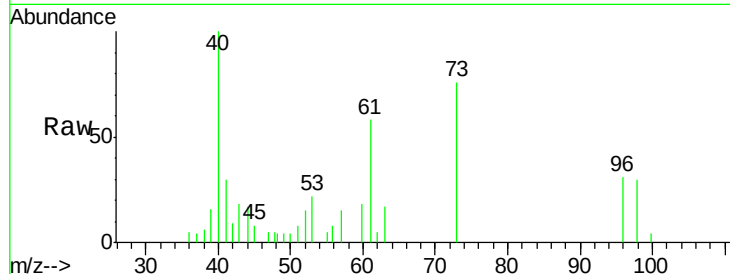
#19
Methyl tert-butyl Ether
Concen: 0.977 ug/l m
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 11439
Ion Ratio Lower Upper
73 100
57 19.6 19.1 28.7

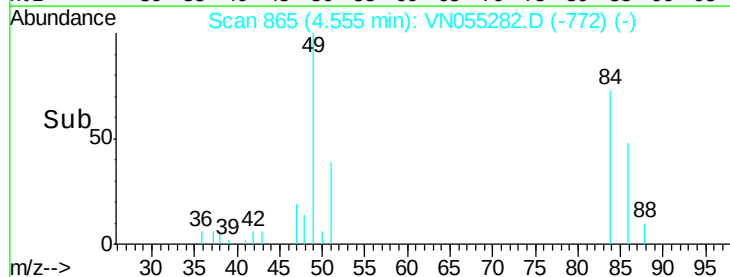
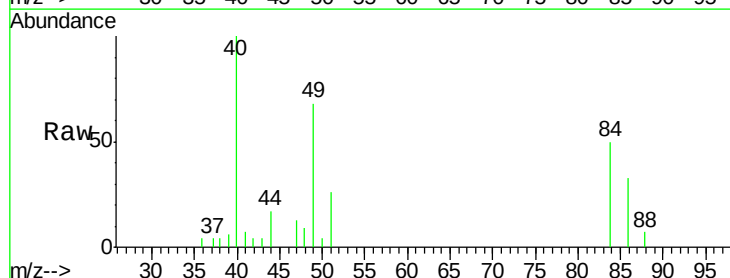
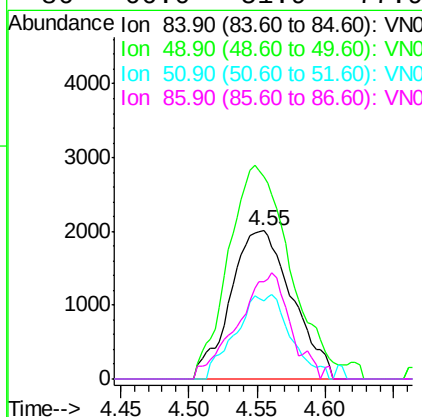
Manual Integrations
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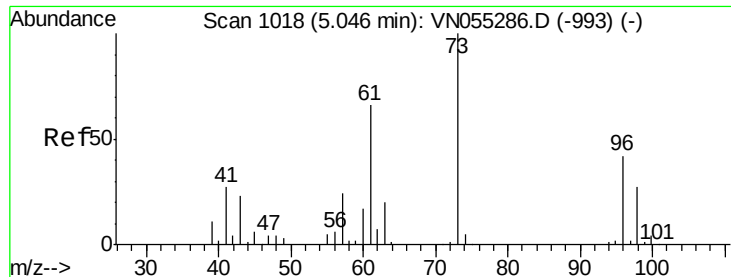
MMDadoda
4/30/2019 11:58:45 AM



#20
Methylene Chloride
Concen: 1.203 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 84 Resp: 6338
Ion Ratio Lower Upper
84 100
49 136.4 112.4 168.6
51 52.9 34.6 51.8#
86 66.0 51.9 77.9





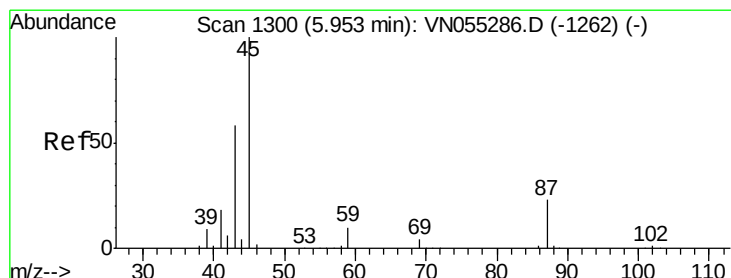
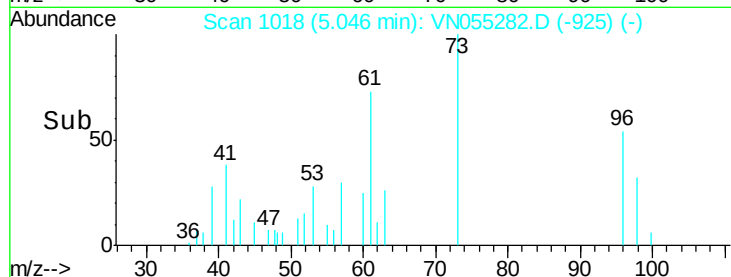
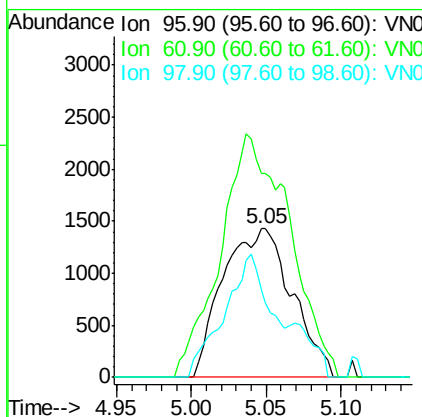
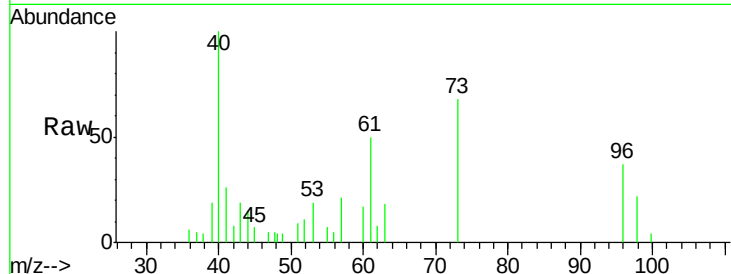
#21
trans-1,2-Dichloroethene
Concen: 1.046 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	126.2	189.4
98	59.2	52.2	78.2

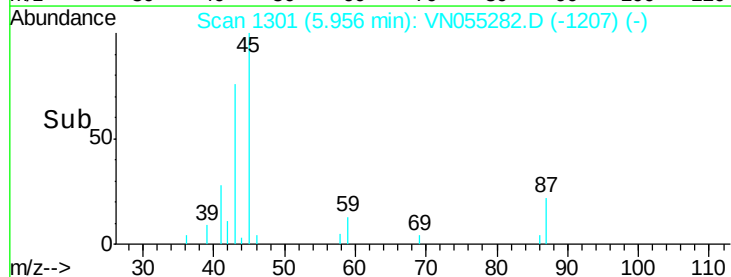
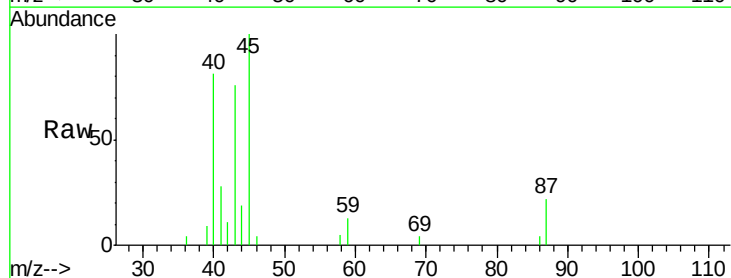
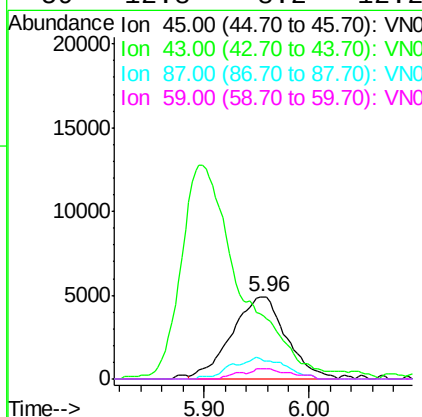
Manual Integrations
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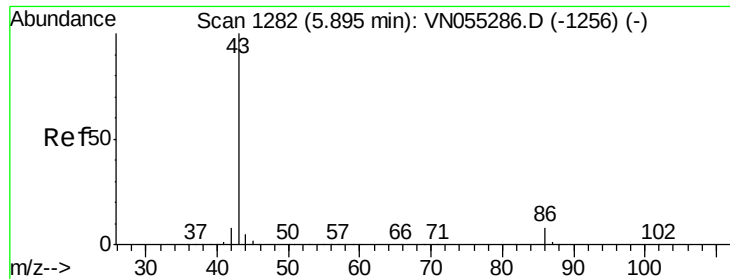
MMDadoda
4/30/2019 11:58:45 AM



#22
Diisopropyl ether
Concen: 1.054 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	46.6	70.0
87	21.9	18.1	27.1
59	12.8	8.2	12.2#





#23

Vinyl Acetate

Concen: 4.482 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 50070

Ion Ratio Lower Upper

43 100

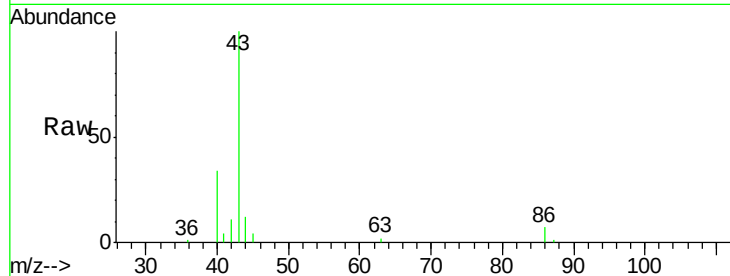
86 7.5 6.6 10.0

Manual Integrations

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MMDadoda

4/30/2019 11:58:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

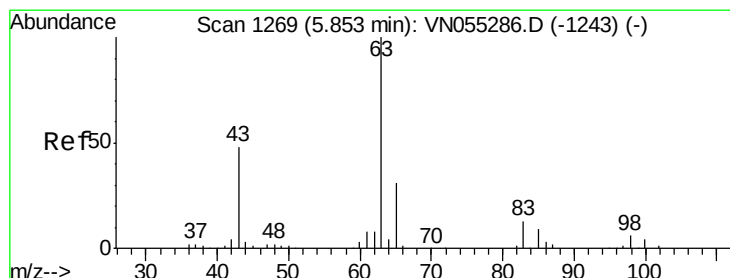
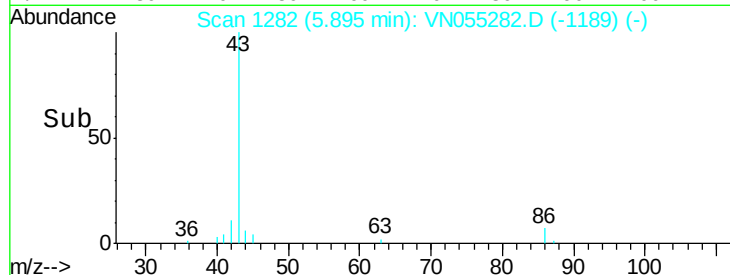
15000

10000

5000

0

Time-->



#24

1,1-Dichloroethane

Concen: 1.081 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

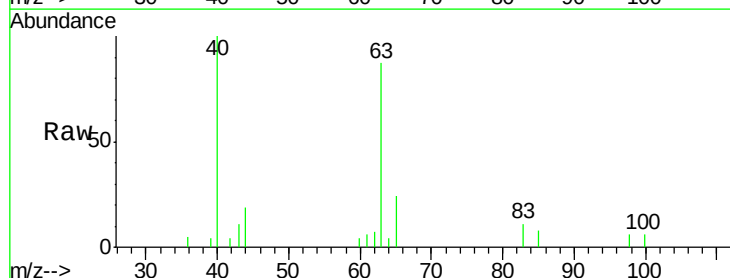
Tgt Ion: 63 Resp: 9673

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

100 6.4 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

4000

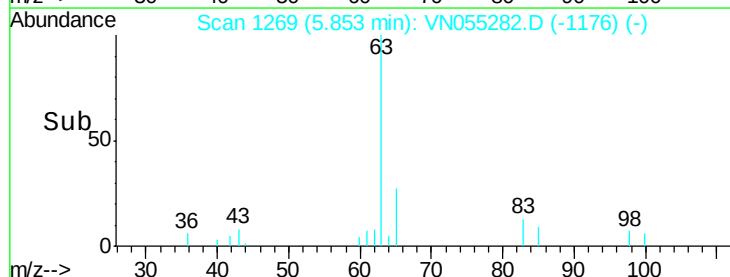
3000

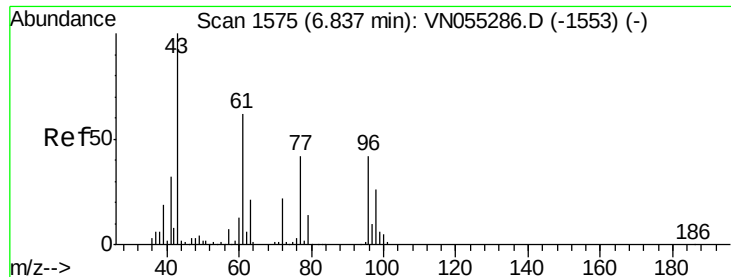
2000

1000

0

Time-->





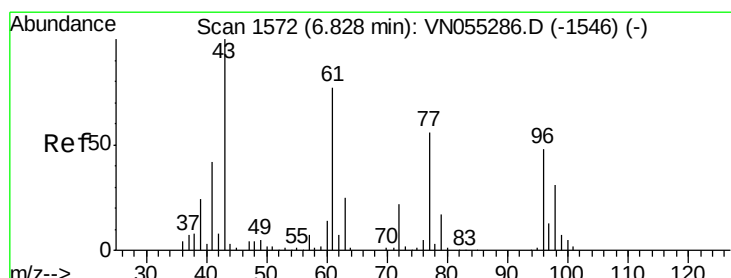
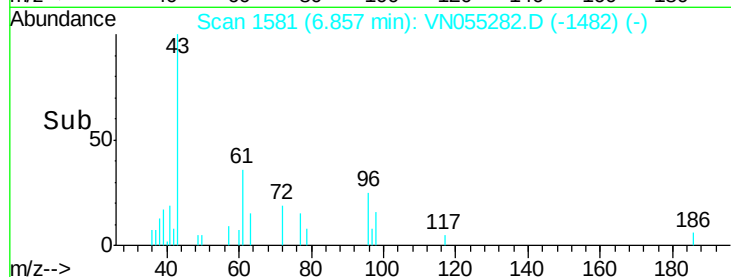
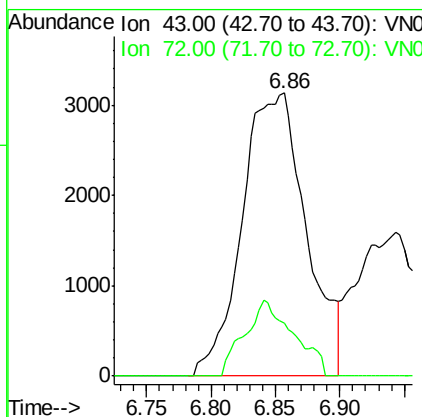
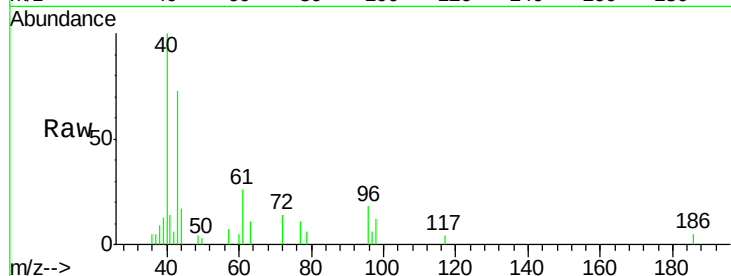
#25
2-Butanone
Concen: 4.632 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
72 18.7 18.0 27.0

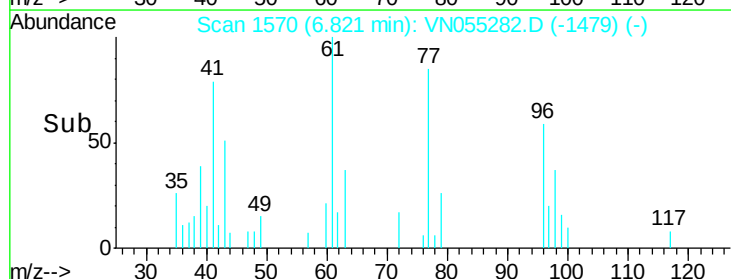
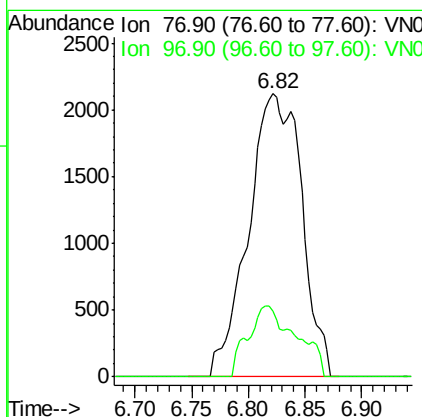
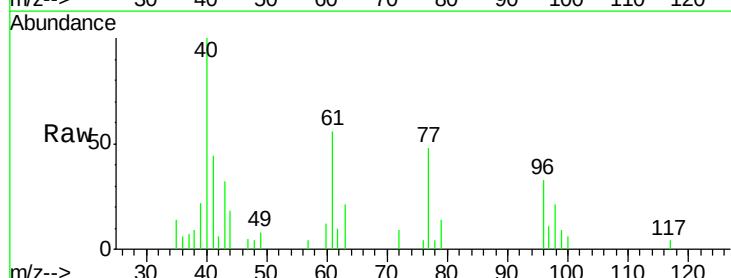
Manual Integrations
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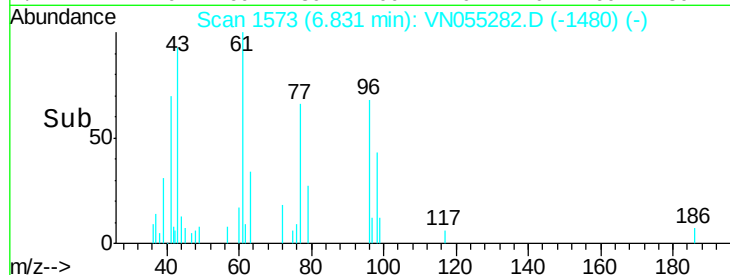
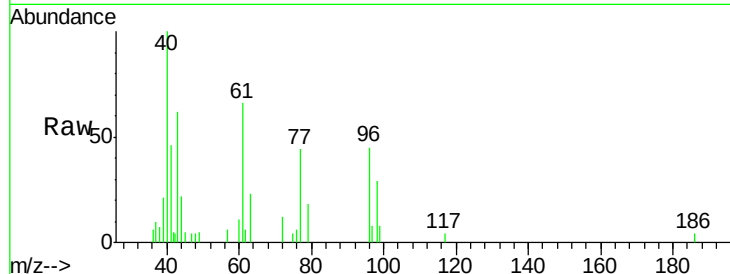
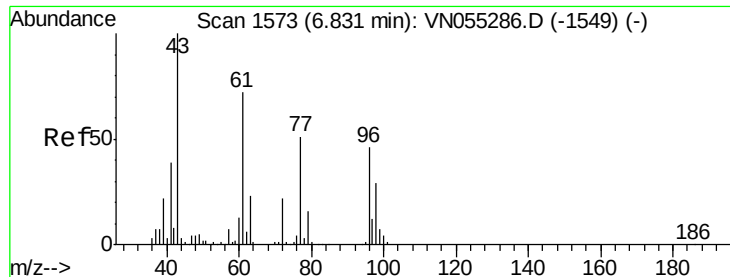
MMDadoda
4/30/2019 11:58:45 AM



#26
2,2-Dichloropropane
Concen: 1.136 ug/l m
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 77 Resp: 6916
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 0.937 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055282.D

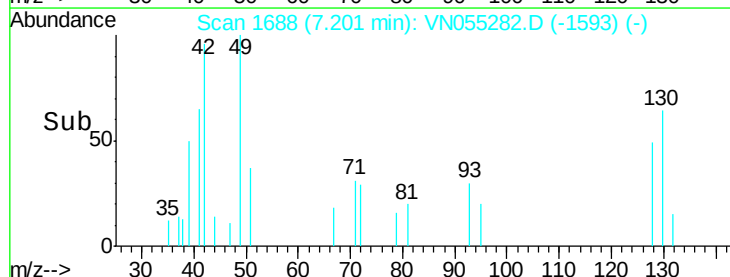
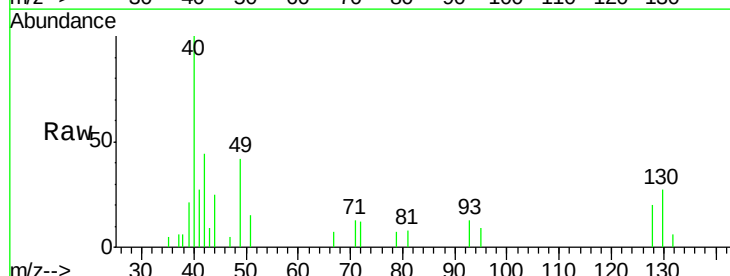
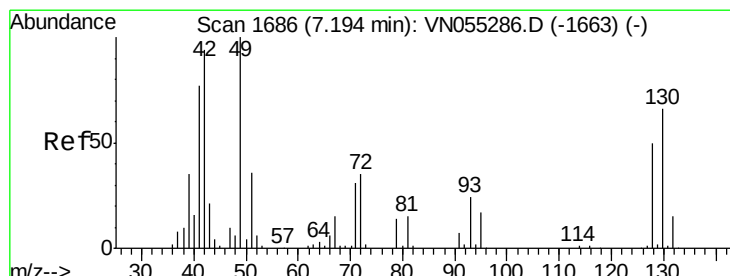
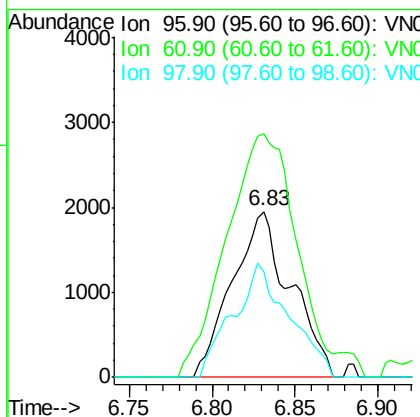
Acq: 29 Apr 2019 9:50

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.2	0.0	316.2
98	66.1	0.0	126.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
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4/30/2019 11:58:45 AM



#28

Bromochloromethane

Concen: 1.081 ug/l

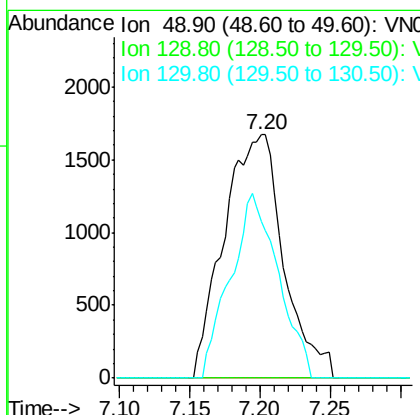
RT: 7.20 min Scan# 1688

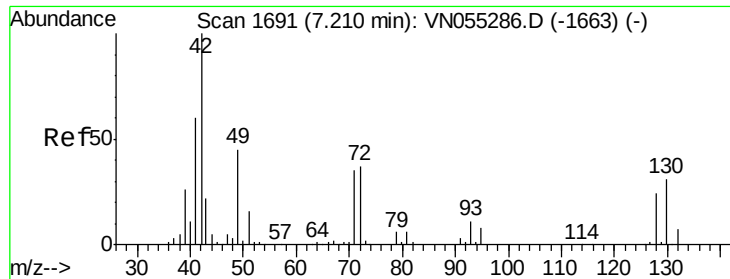
Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.4
130	60.8	52.0	78.0





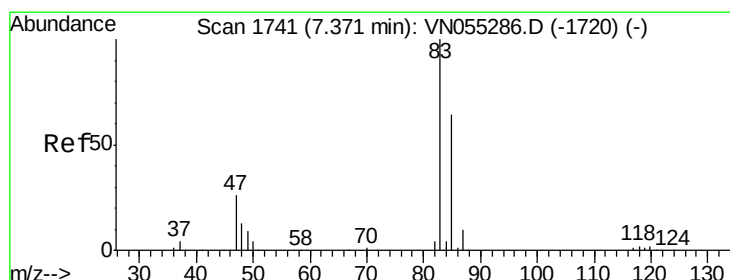
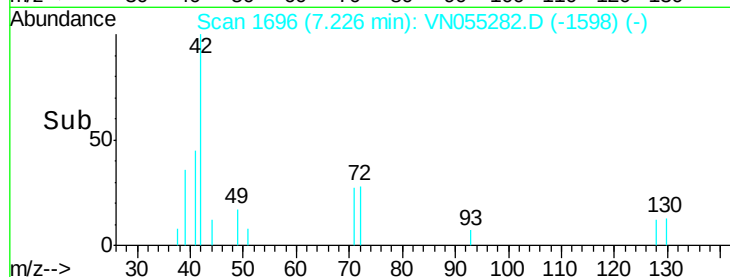
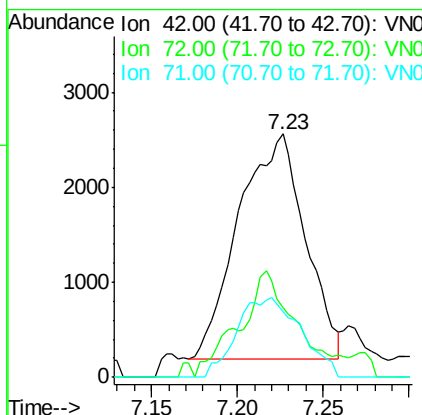
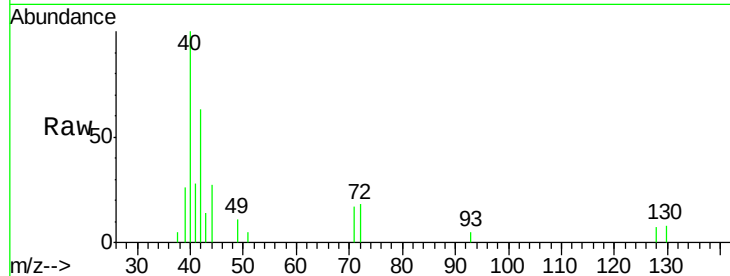
#29
Tetrahydrofuran
Concen: 4.372 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	29.0	43.6
71	34.1	27.1	40.7

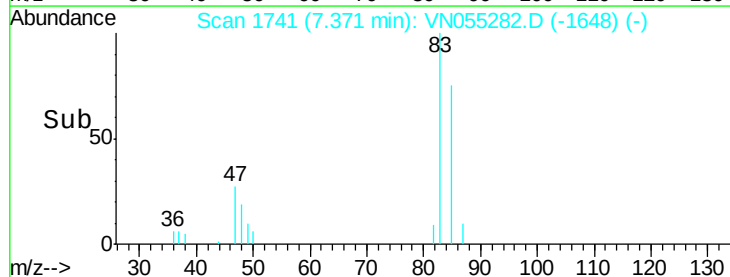
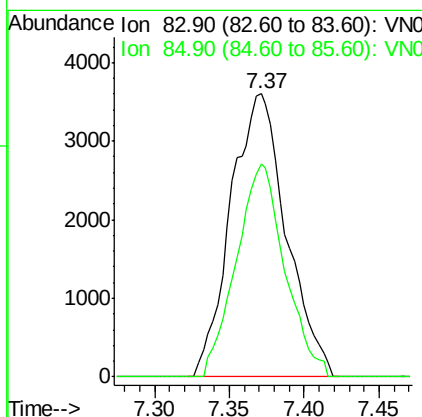
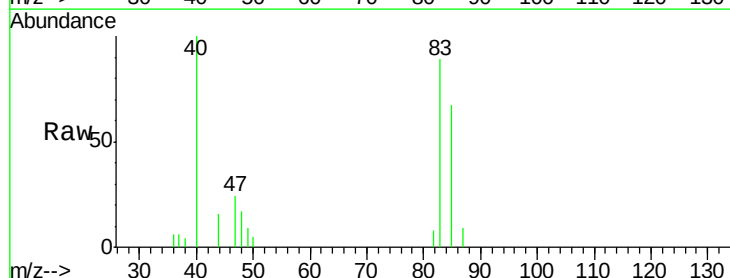
Manual Integrations
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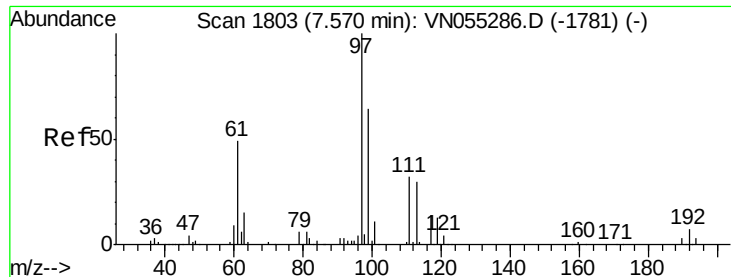
MMDadoda
4/30/2019 11:58:45 AM



#30
Chloroform
Concen: 1.091 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.0	51.4	77.2





#32

1,1,1-Trichloroethane

Concen: 1.120 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

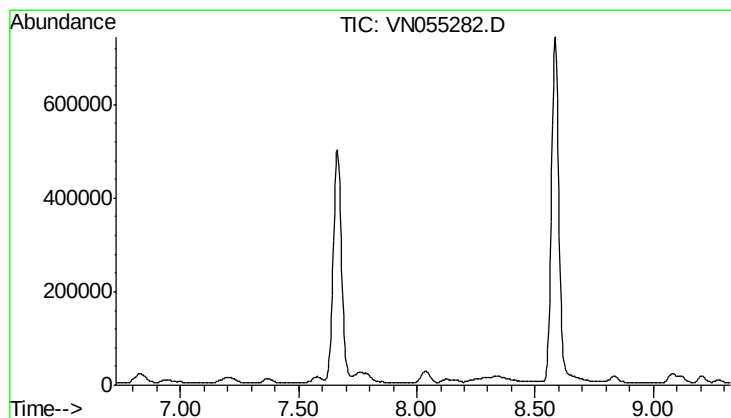
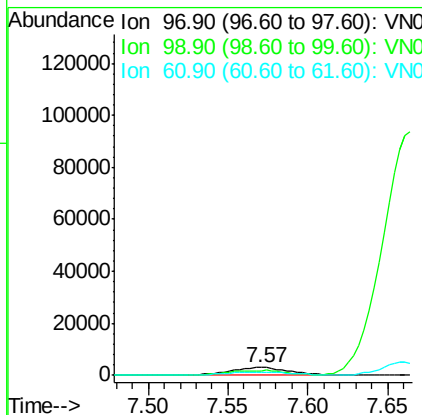
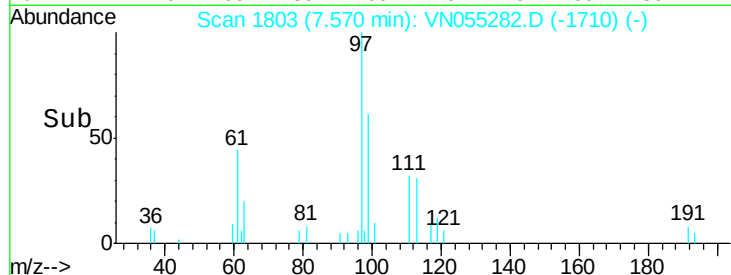
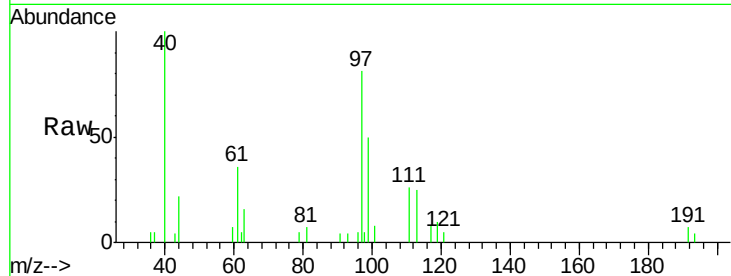
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.8	77.8#	
61	50.5	39.0	58.6	

Manual Integrations
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4/30/2019 11:58:45 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN055282.D

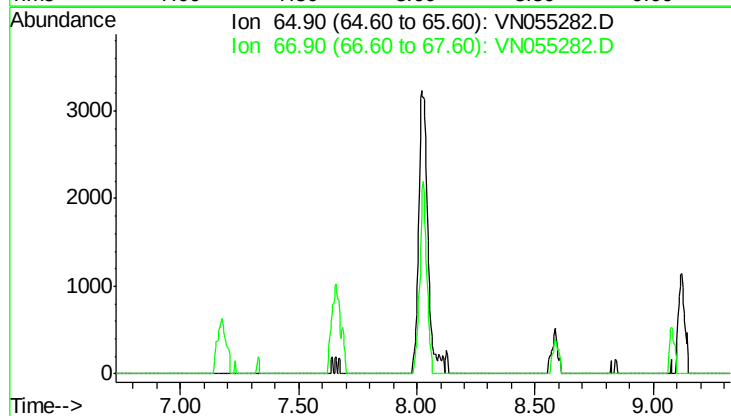
Acq: 29 Apr 2019 9:50

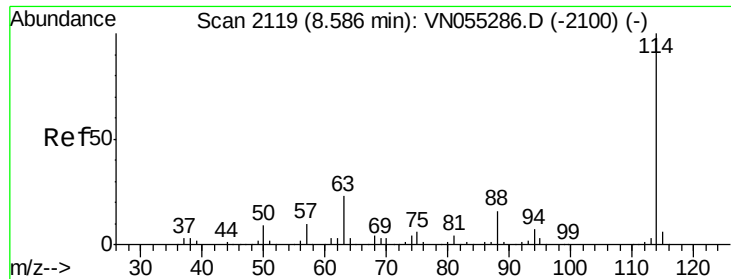
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.4





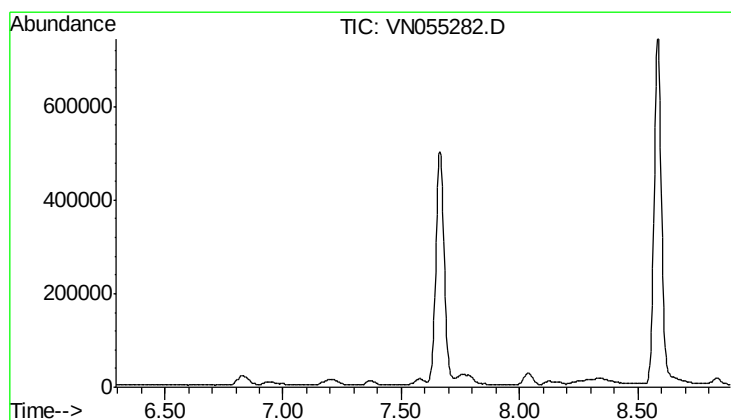
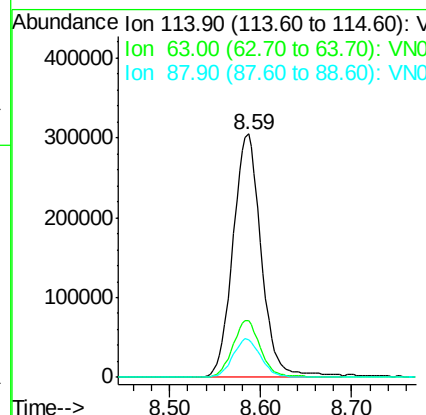
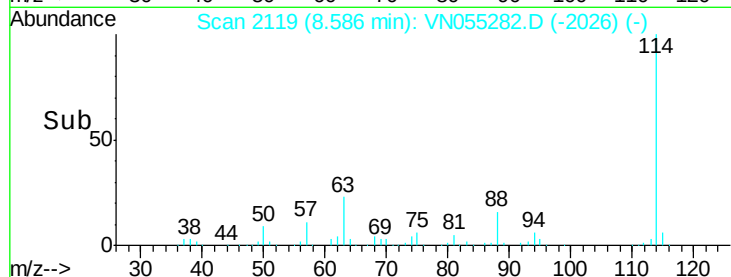
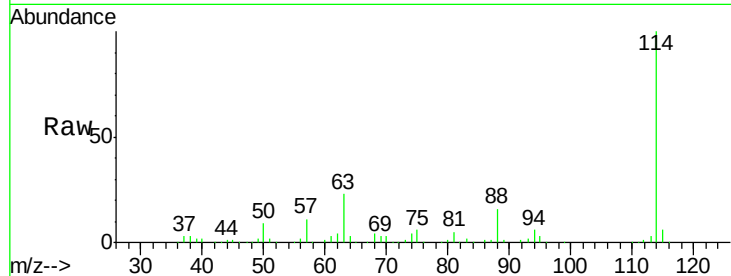
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.5	0.0	45.2
88	15.6	0.0	31.6

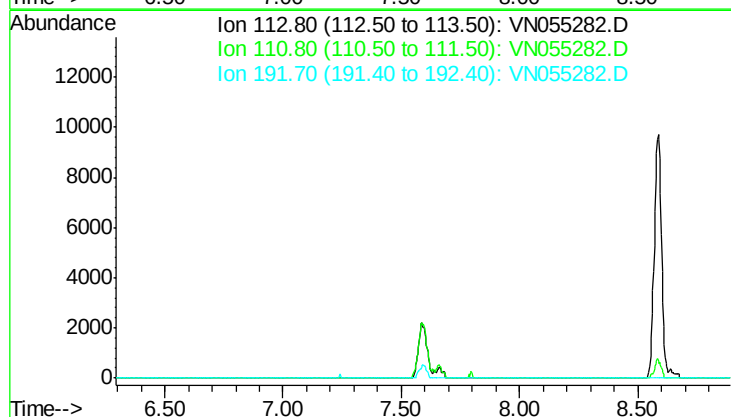
Manual Integrations
 APPROVED

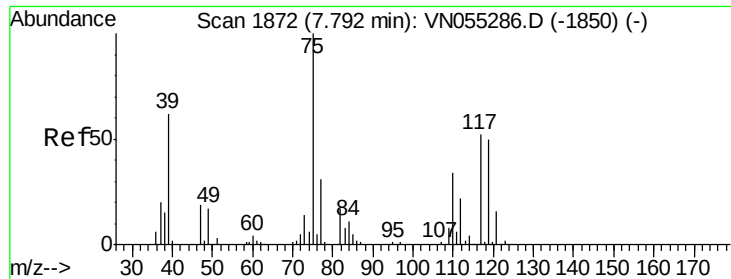
MMDadoda
 4/30/2019 11:58:45 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Exp Ratio
113	100
111	102.9
192	21.3





#36

1,1-Dichloropropene

Concen: 1.279 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

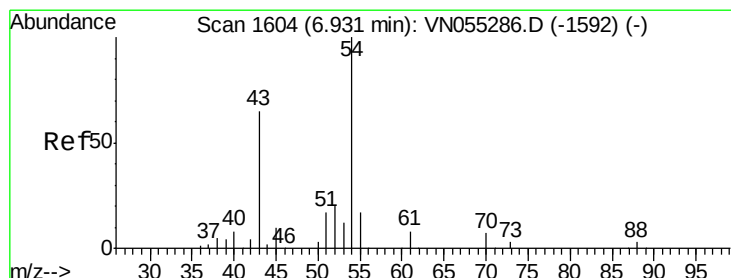
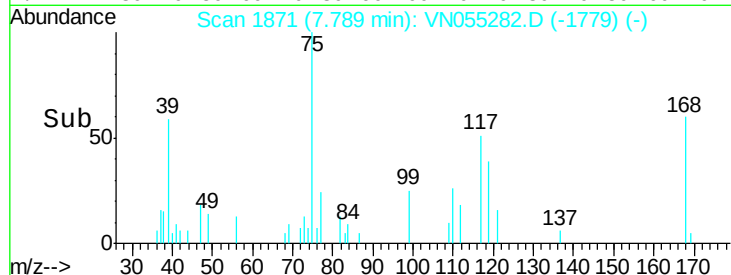
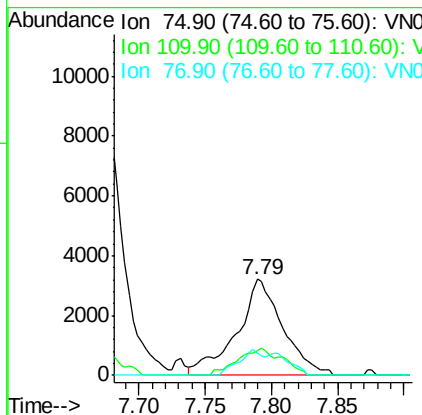
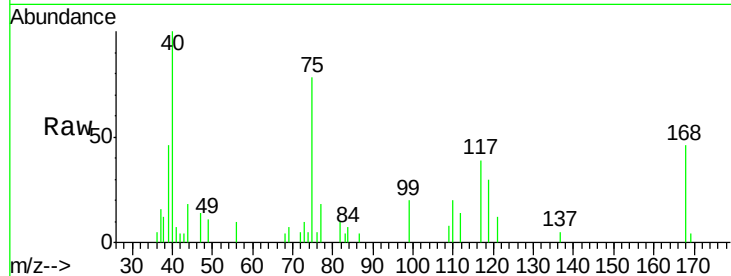
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	7753
Ion	Ratio	Lower	Upper
75	100		
110	27.4	16.8	50.4
77	14.4	25.0	37.6#

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:58:45 AM



#37

Ethyl Acetate

Concen: 1.237 ug/l m

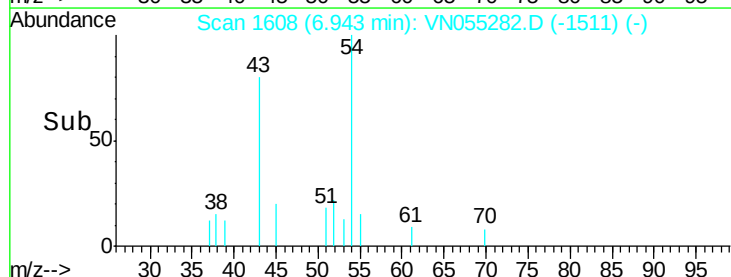
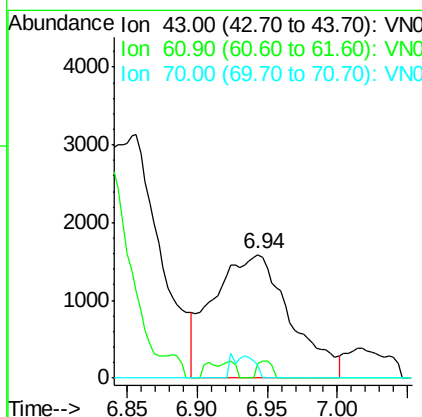
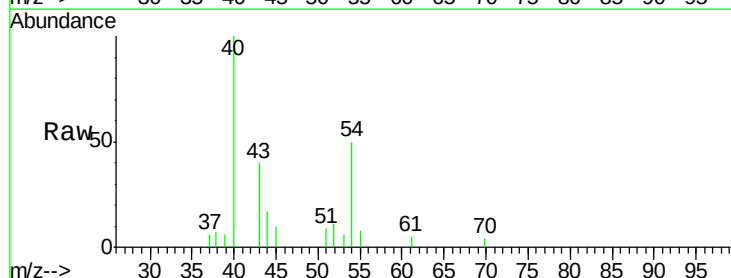
RT: 6.94 min Scan# 1608

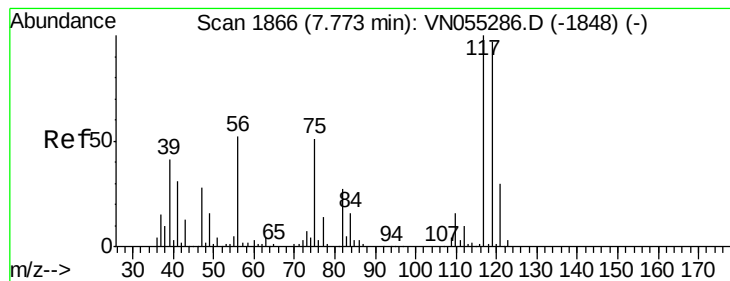
Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	43	Resp:	6053
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	6.6	10.0#





#38

Carbon Tetrachloride

Concen: 1.328 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

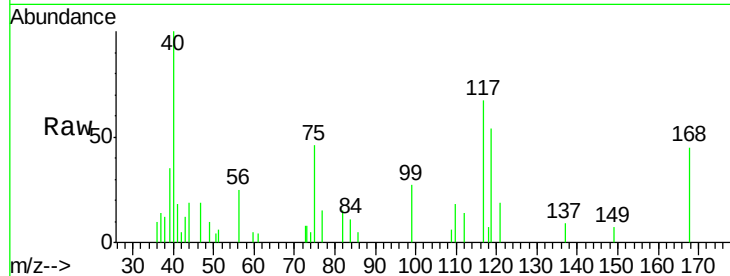
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	7590
Ion	Ratio	Lower	Upper
117	100		
119	81.2	77.0	115.6
121	28.5	23.8	35.8

Manual Integrations
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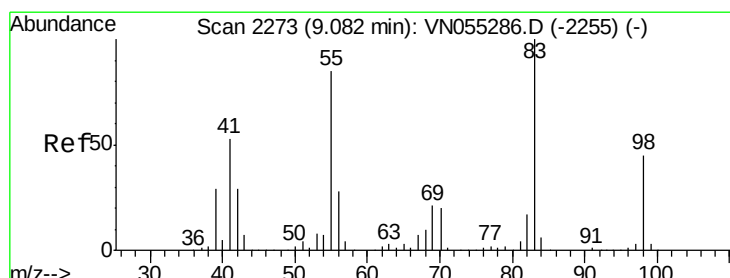
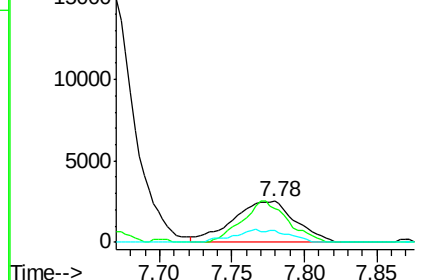
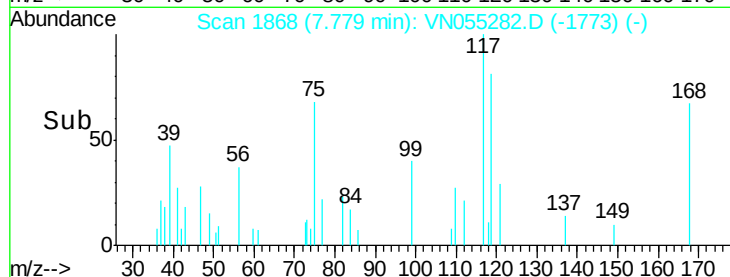
MMDadoda
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.961 ug/l

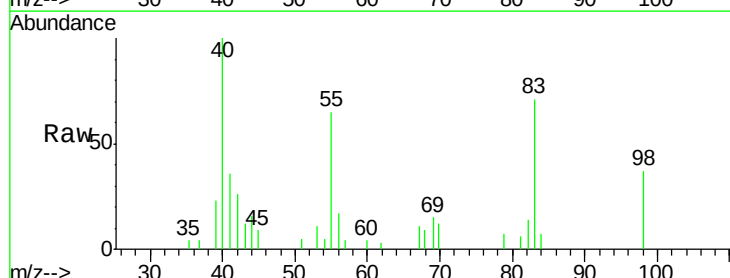
RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

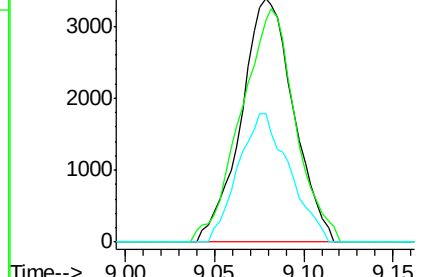
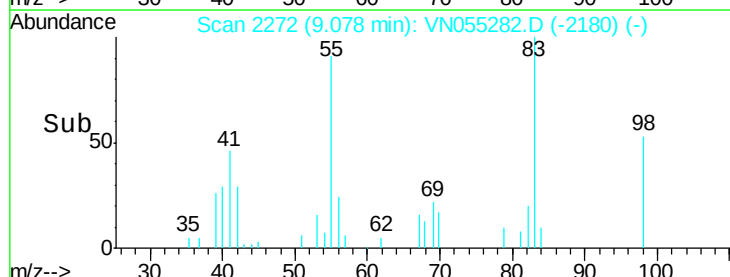
Tgt Ion:	83	Resp:	6933
Ion	Ratio	Lower	Upper
83	100		
55	91.2	67.8	101.6
98	52.6	36.2	54.4

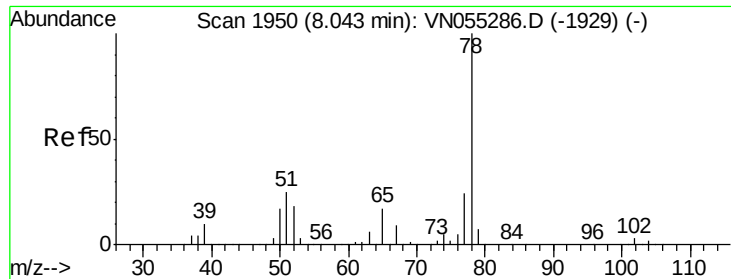


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.051 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 19771

Ion Ratio Lower Upper

78 100

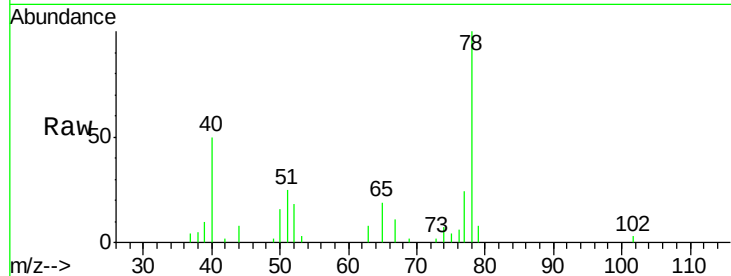
77 24.4 19.0 28.6

Manual Integrations

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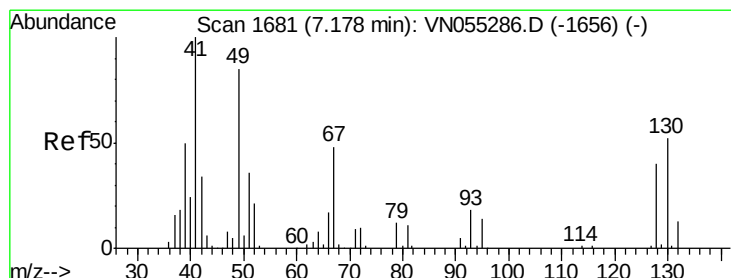
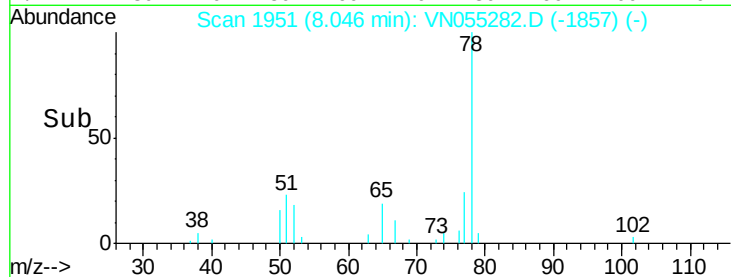
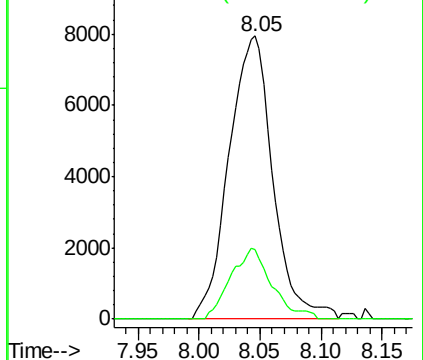
MMDadoda

4/30/2019 11:58:45 AM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 1.277 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion: 41 Resp: 3285

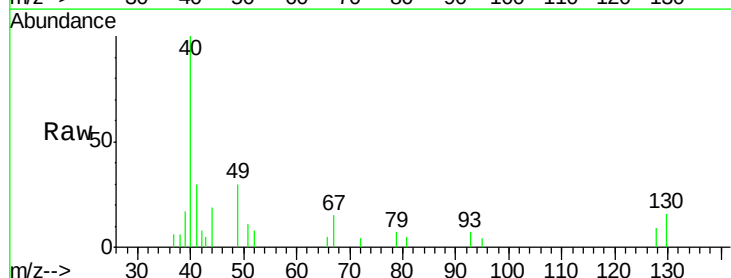
Ion Ratio Lower Upper

41 100

39 4.8 48.5 72.7#

67 48.4 54.9 82.3#

52 11.1 24.9 37.3#

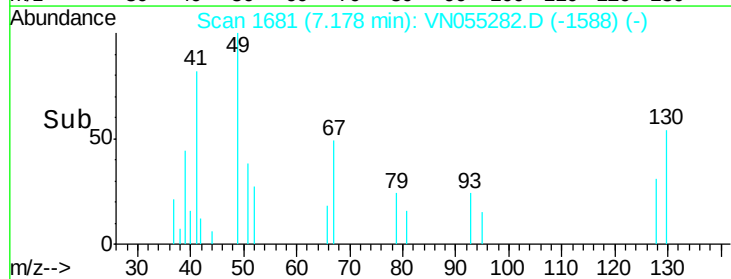
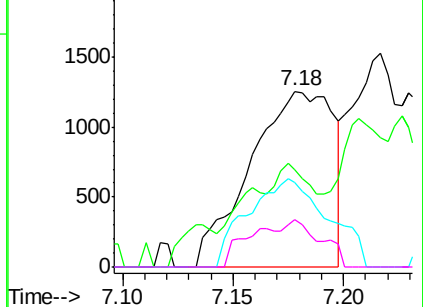


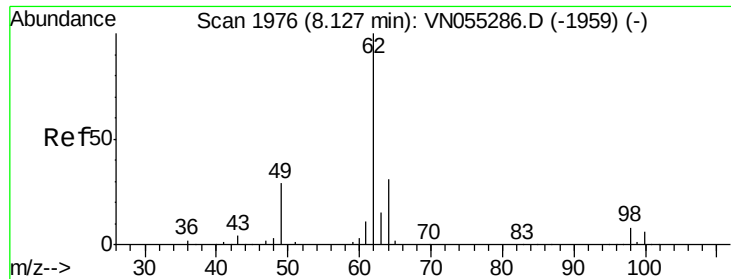
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





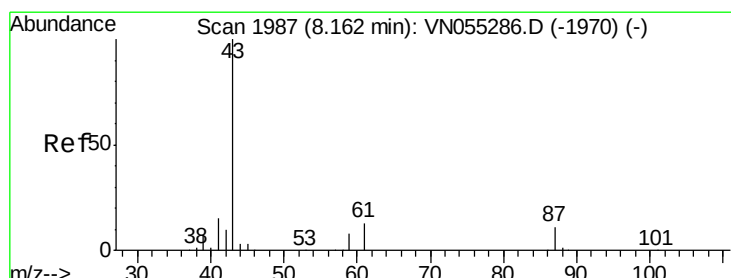
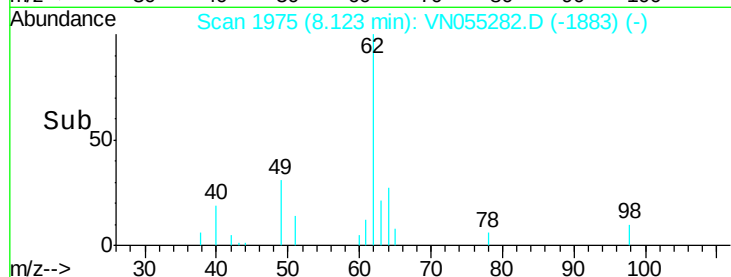
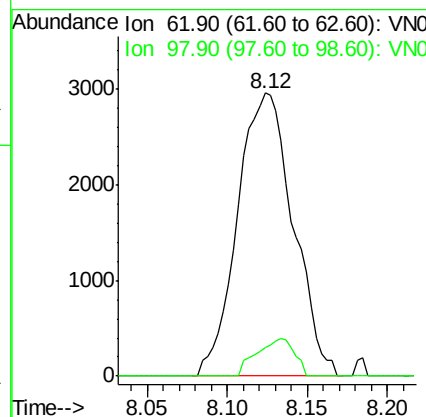
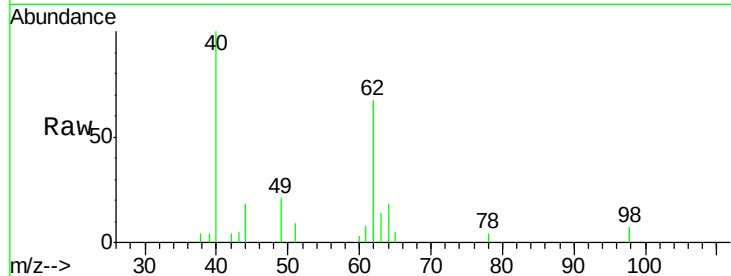
#42
 1,2-Dichloroethane
 Concen: 1.075 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.4

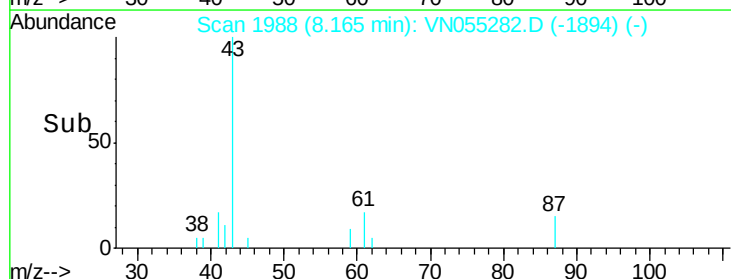
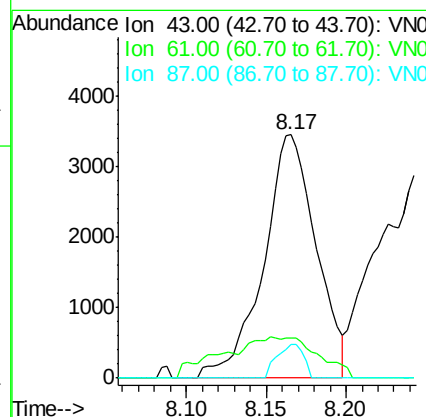
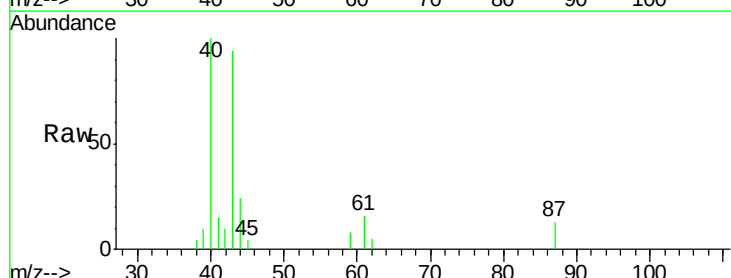
Manual Integrations
 APPROVED

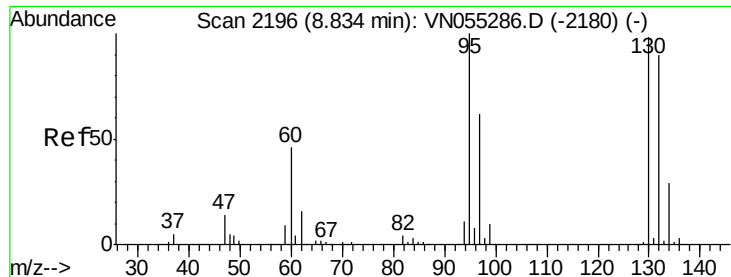
MMDadoda
 4/30/2019 11:58:45 AM



#43
 Isopropyl Acetate
 Concen: 0.987 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.6	20.8	31.2#
87	7.1	8.5	12.7#





#44

Trichloroethene

Concen: 1.173 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 5567

Ion Ratio Lower Upper

130 100

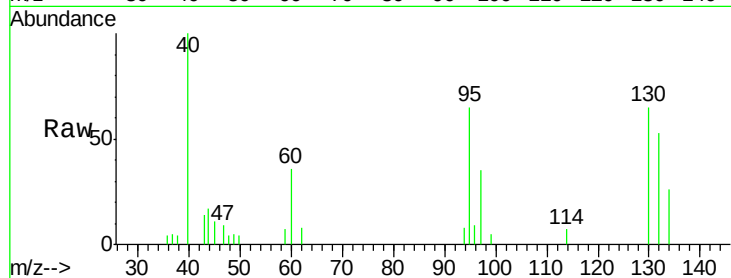
95 99.1 0.0 203.4

Manual Integrations

APPROVED

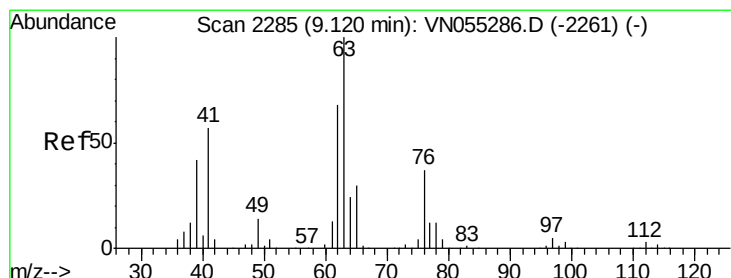
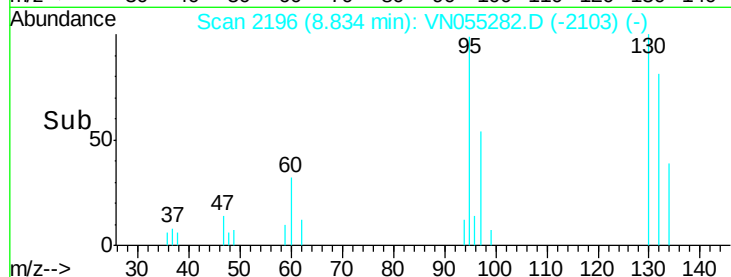
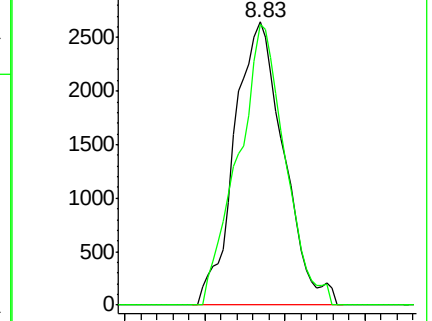
MMDadoda

4/30/2019 11:58:45 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.156 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055282.D

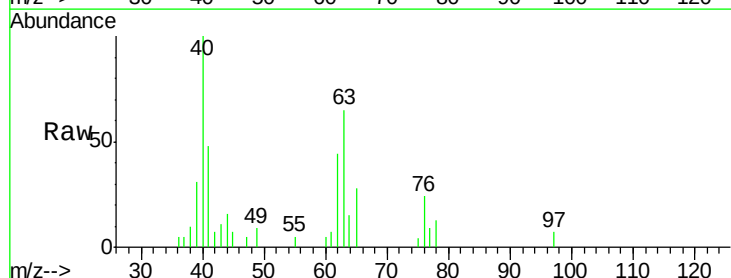
Acq: 29 Apr 2019 9:50

Tgt Ion: 63 Resp: 6155

Ion Ratio Lower Upper

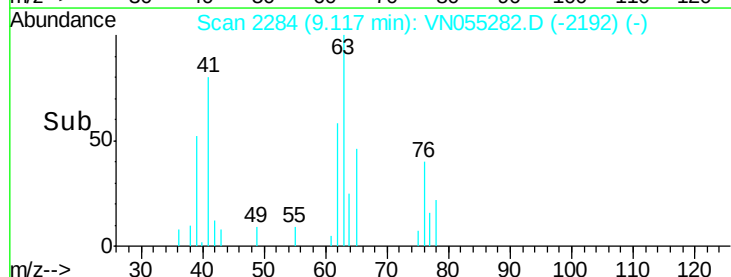
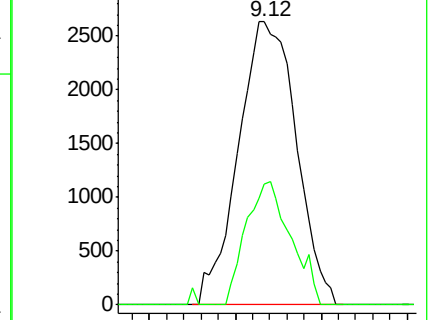
63 100

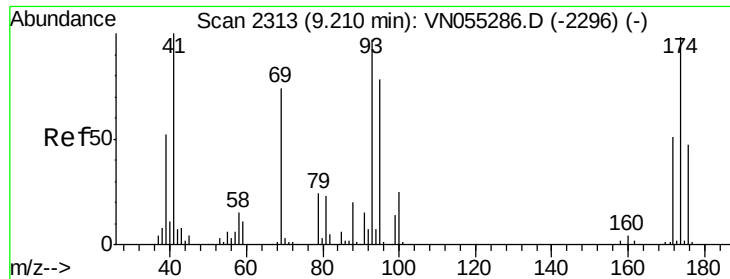
65 42.9 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#46

Dibromomethane

Concen: 1.028 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

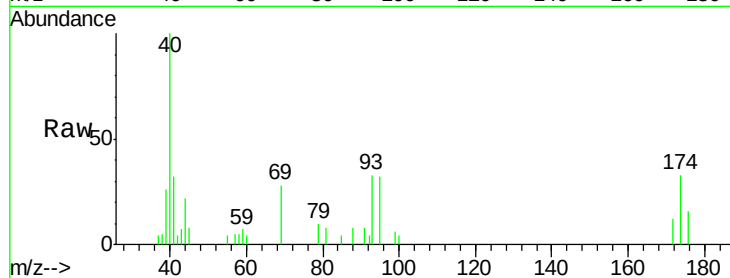
ClientSampleId :

VSTDIC001

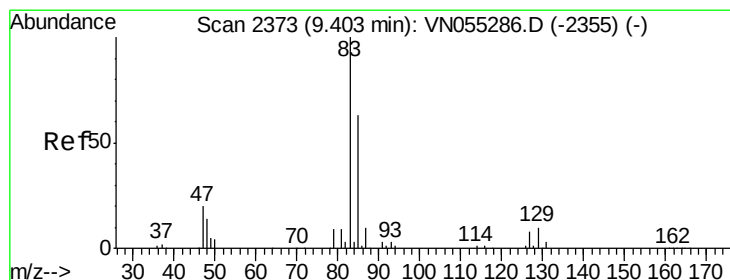
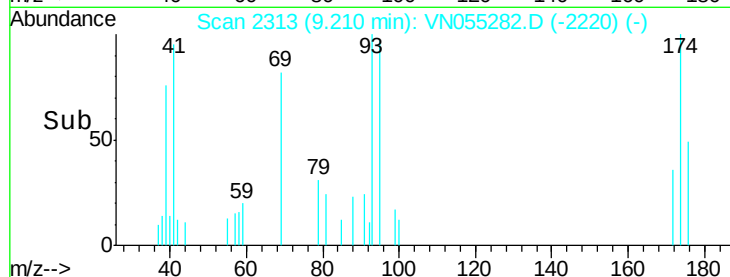
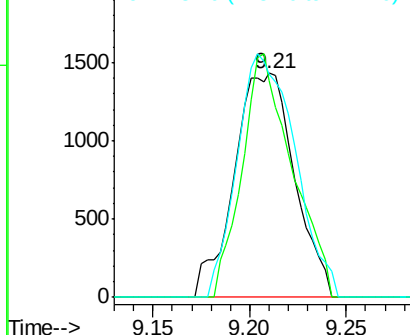
Tot Ion:	93	Resp:	3117
Ion	Ratio	Lower	Upper
93	100		
95	90.5	65.7	98.5
174	104.1	81.5	122.3

Manual Integrations
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MMDadoda
4/30/2019 11:58:45 AM



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 1.100 ug/l

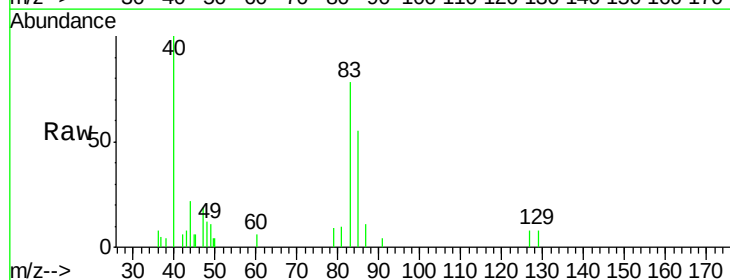
RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

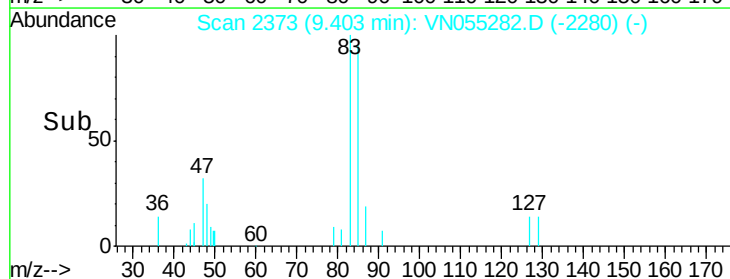
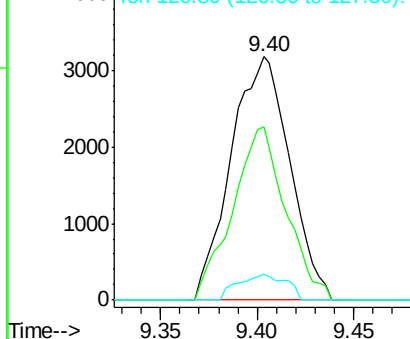
Lab File: VN055282.D

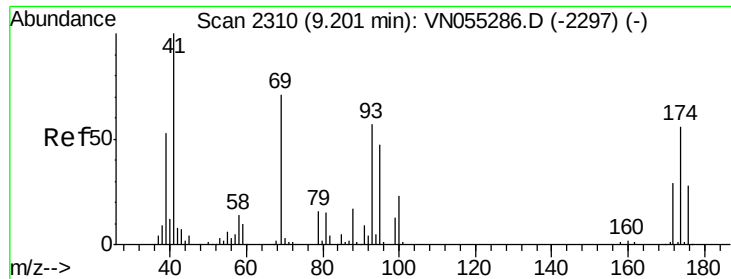
Acq: 29 Apr 2019 9:50

Tgt Ion:	83	Resp:	6710
Ion	Ratio	Lower	Upper
83	100		
85	71.1	50.1	75.1
127	10.5	6.7	10.1#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





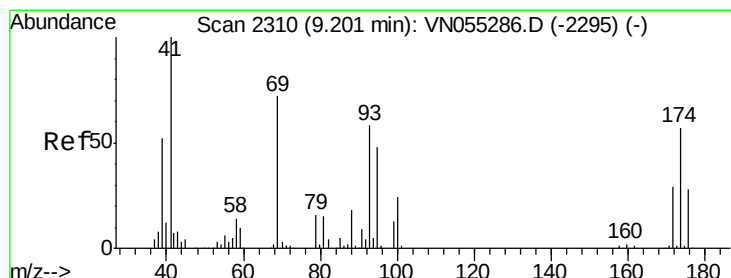
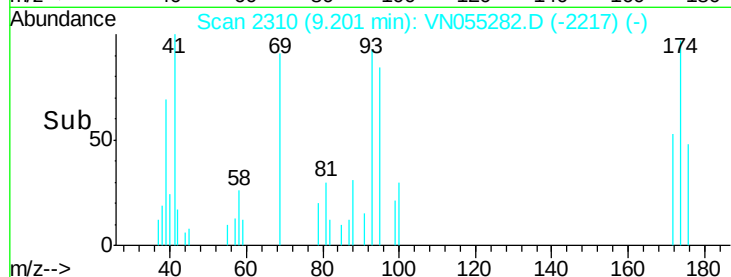
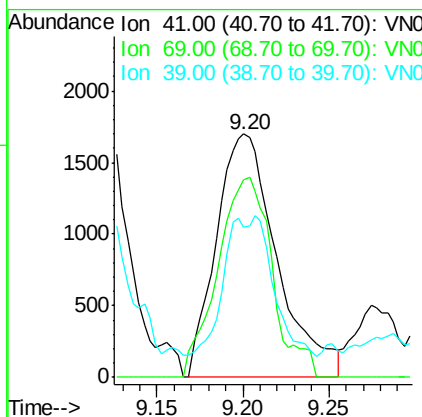
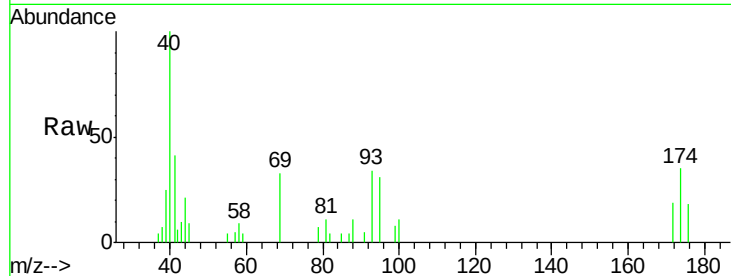
#48
Methvl methacrylate
Concen: 1.076 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.6	87.8
39	21.1	43.8	65.6#

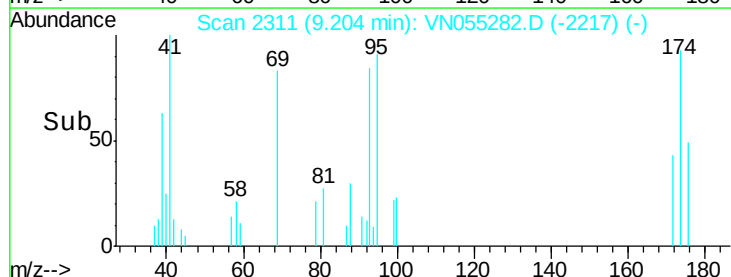
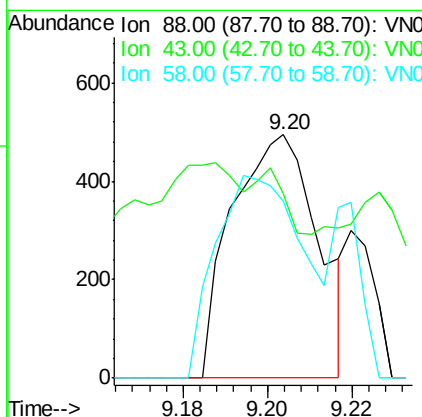
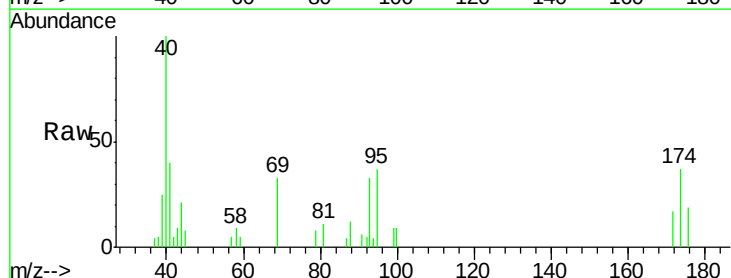
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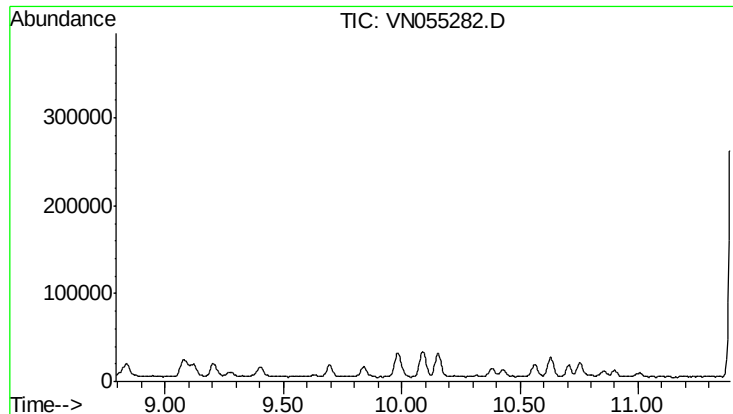
MMDadoda
4/30/2019 11:58:45 AM



#49
1,4-Dioxane
Concen: 15.881 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.3	49.9#
58	23.7	62.7	94.1#





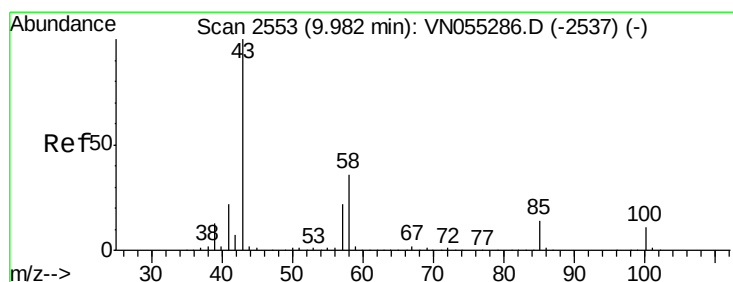
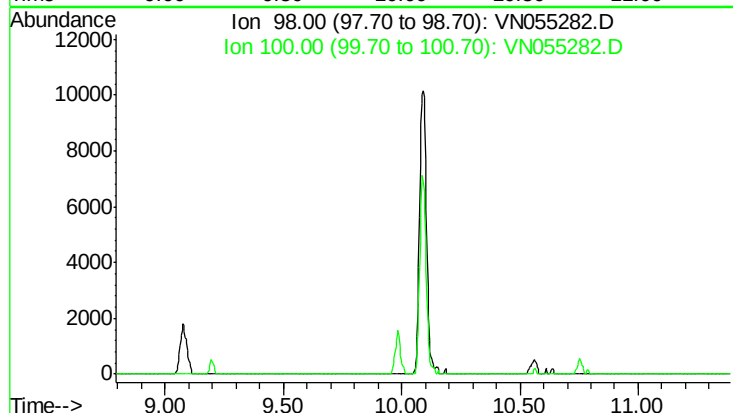
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

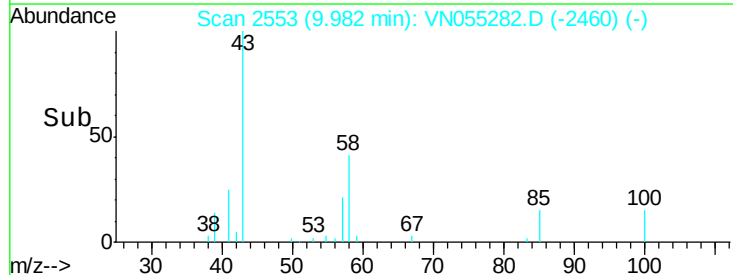
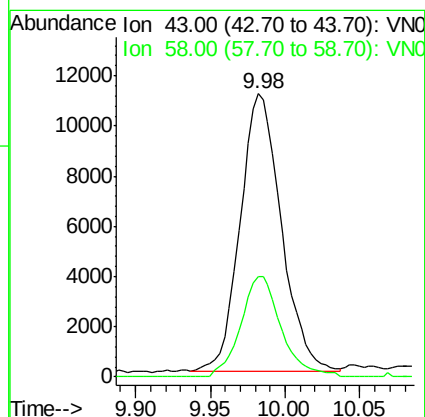
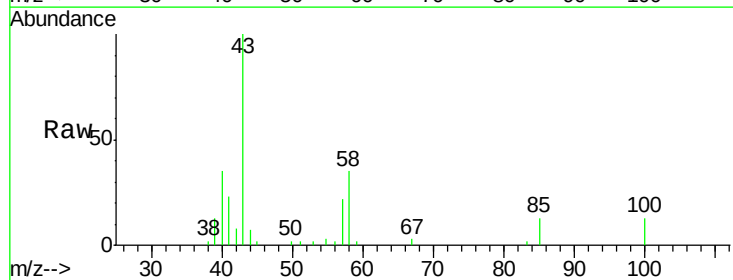
Manual Integrations
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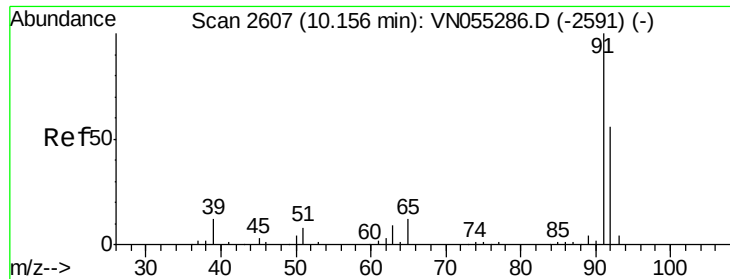
MMDadoda
4/30/2019 11:58:45 AM



#51
4-Methyl-2-Pentanone
Concen: 4.601 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 43 Resp: 21081
Ion Ratio Lower Upper
43 100
58 35.7 28.5 42.7





#52

Toluene

Concen: 0.979 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10742

Ion Ratio Lower Upper

92 100

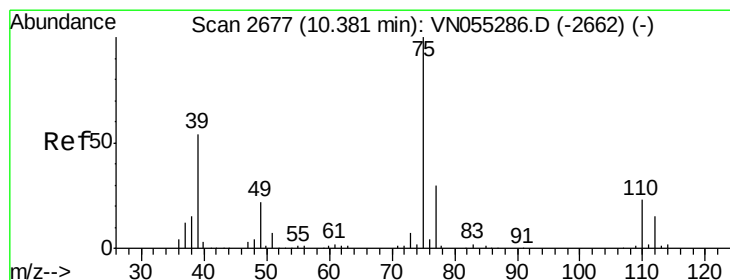
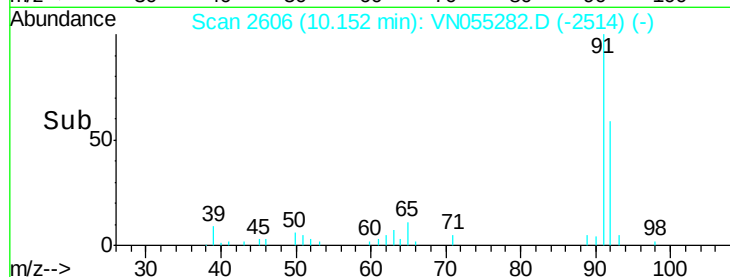
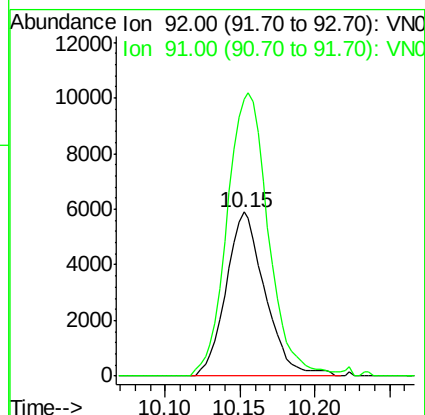
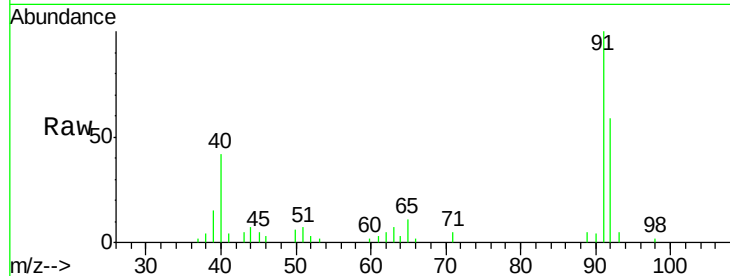
91 182.0 140.1 210.1

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#53

t-1,3-Dichloropropene

Concen: 0.917 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055282.D

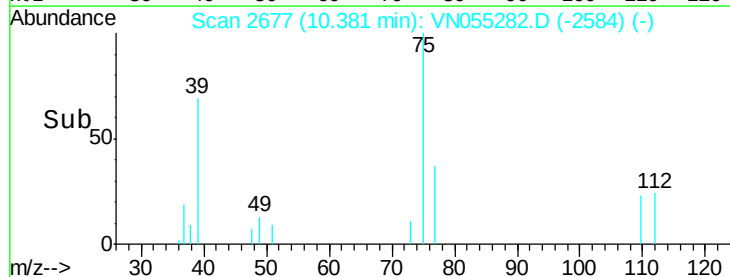
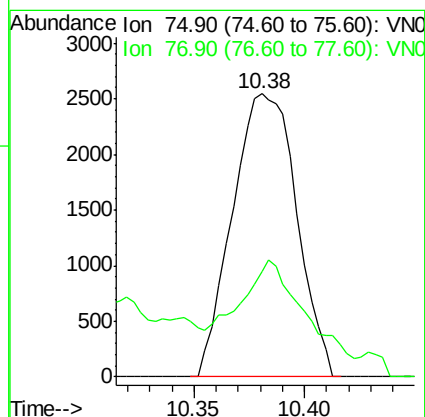
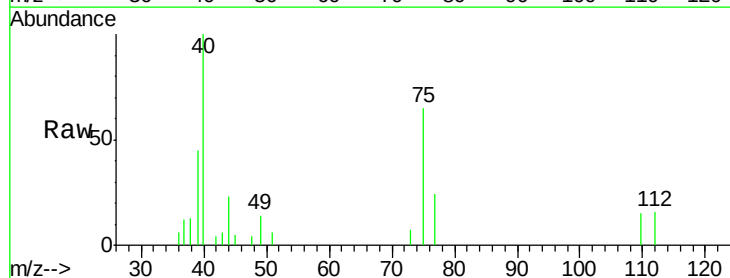
Acq: 29 Apr 2019 9:50

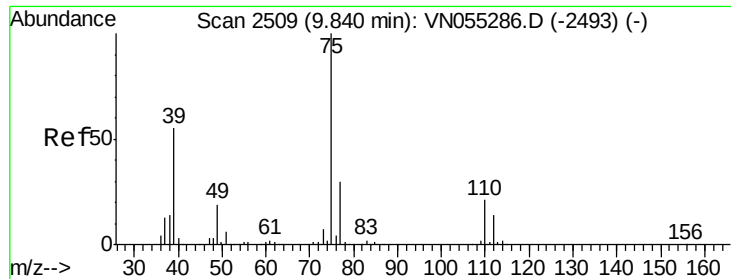
Tgt Ion: 75 Resp: 5132

Ion Ratio Lower Upper

75 100

77 25.7 24.4 36.6





#54

cis-1,3-Dichloropropene

Concen: 0.925 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

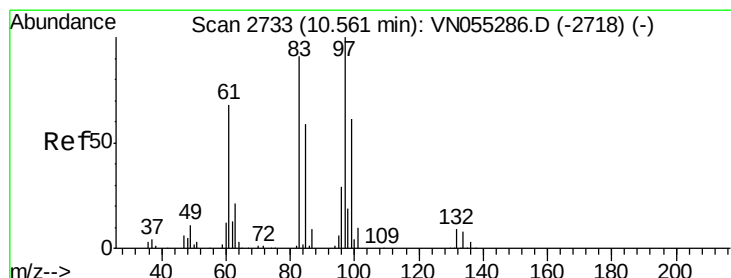
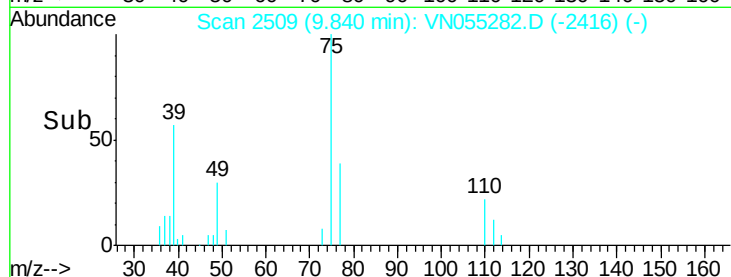
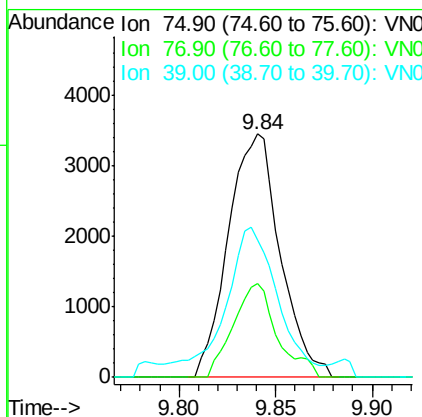
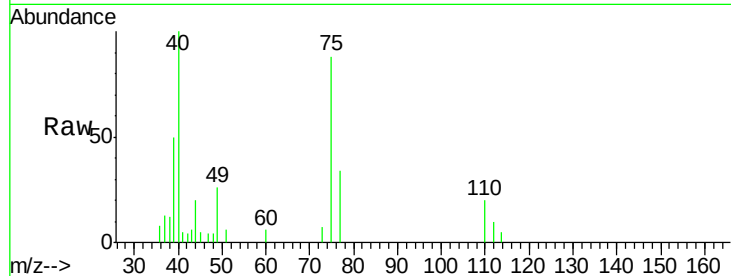
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6423
Ion	Ratio	Lower	Upper
75	100		
77	38.8	24.2	36.2#
39	50.0	44.2	66.2

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.018 ug/l

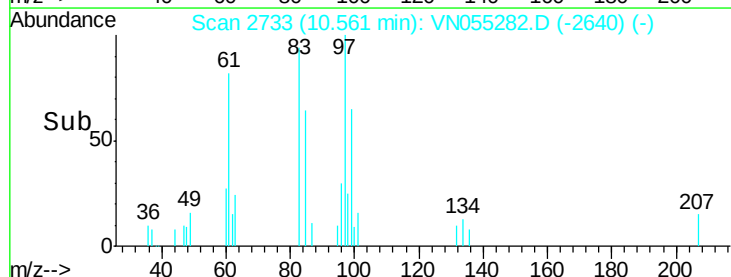
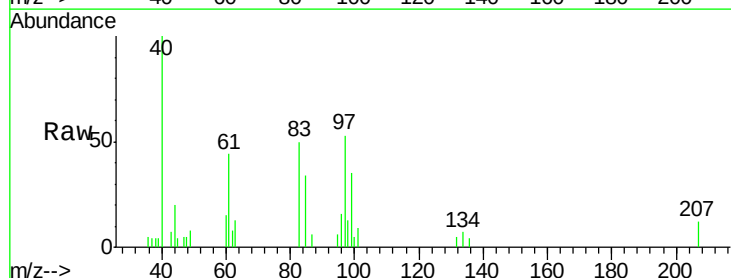
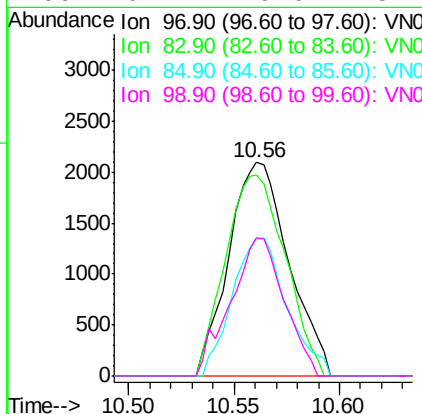
RT: 10.56 min Scan# 2733

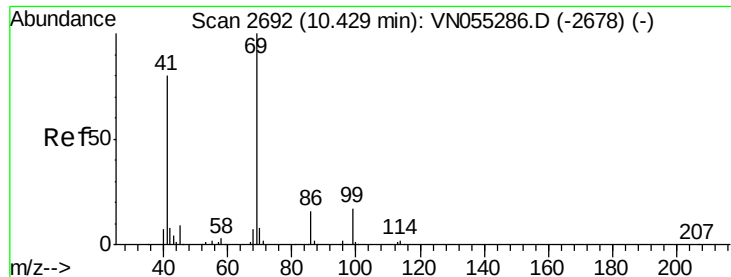
Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	97	Resp:	4145
Ion	Ratio	Lower	Upper
97	100		
83	94.0	72.8	109.2
85	64.2	47.0	70.6
99	64.7	49.0	73.4





#56

Ethyl methacrylate

Concen: 0.826 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

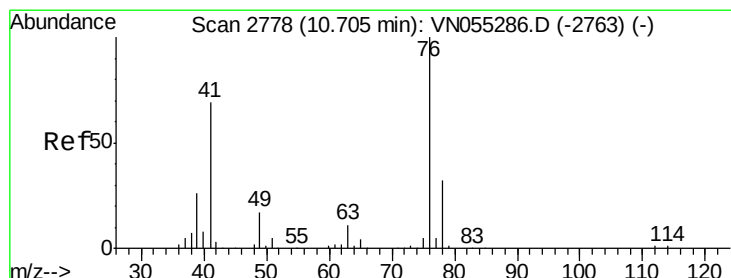
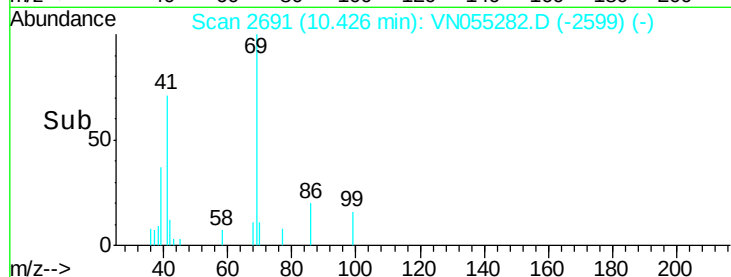
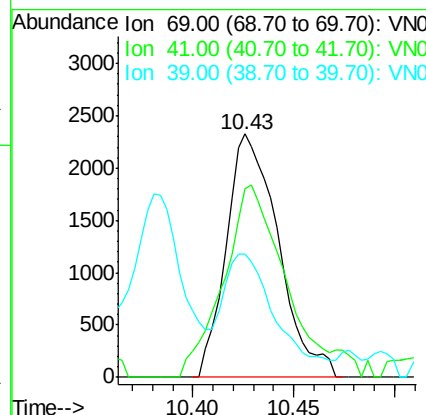
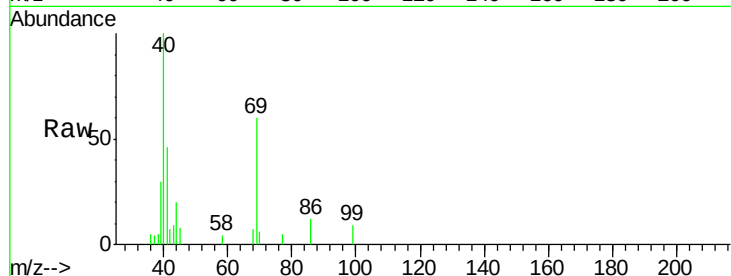
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	4174
Ion	Ratio	Lower	Upper
69	100		
41	96.6	62.7	94.1#
39	54.9	32.0	48.0#

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#57

1,3-Dichloropropane

Concen: 1.011 ug/l

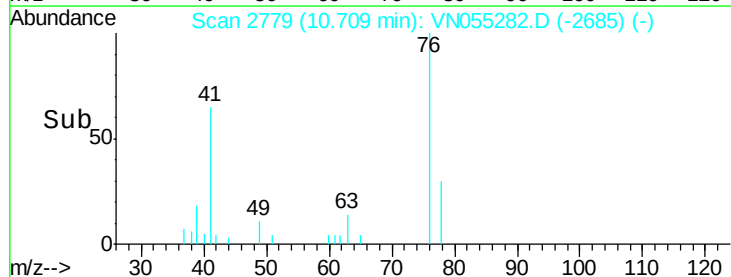
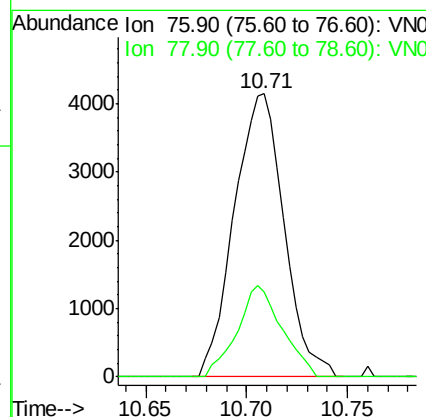
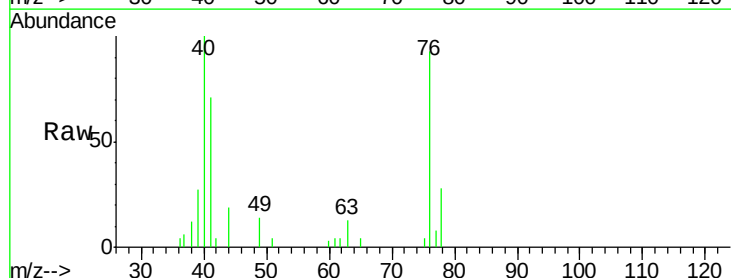
RT: 10.71 min Scan# 2779

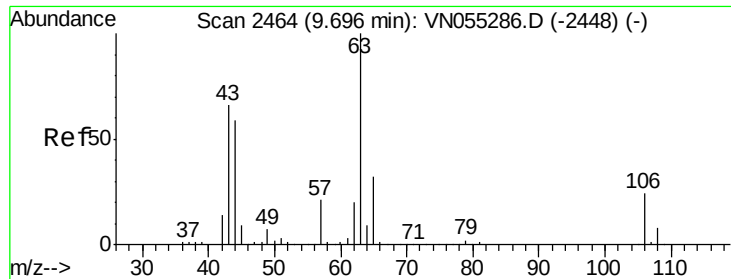
Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	76	Resp:	7153
Ion	Ratio	Lower	Upper
76	100		
78	28.9	25.6	38.4





#58

2-Chloroethyl Vinyl ether

Concen: 3.615 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 5640

Ion Ratio Lower Upper

63 100

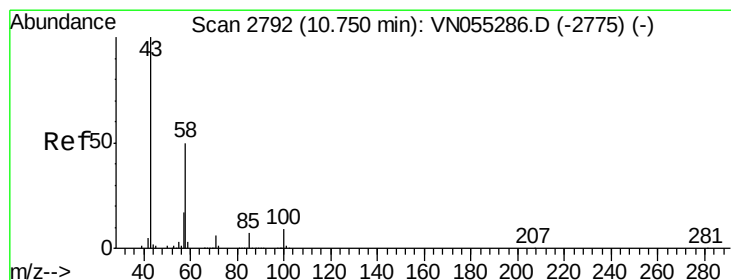
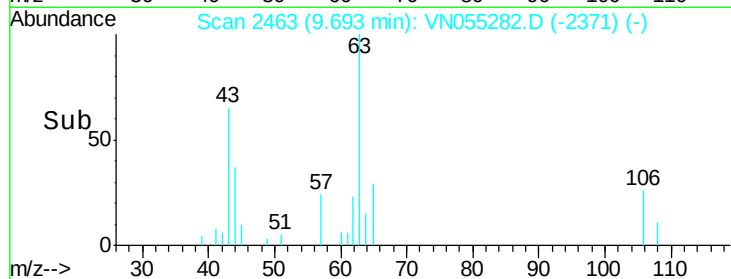
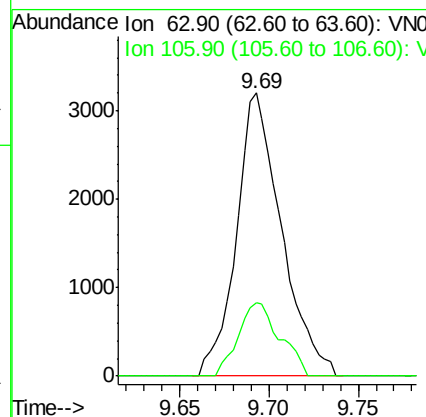
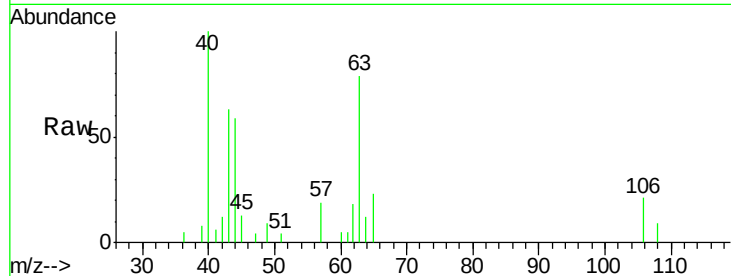
106 24.0 19.0 28.4

Manual Integrations

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#59

2-Hexanone

Concen: 4.877 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055282.D

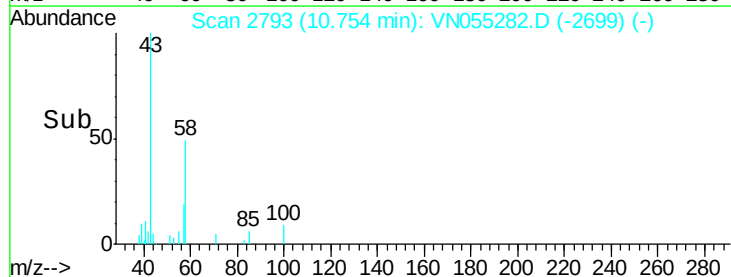
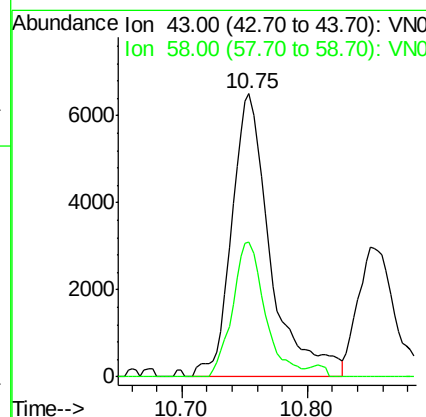
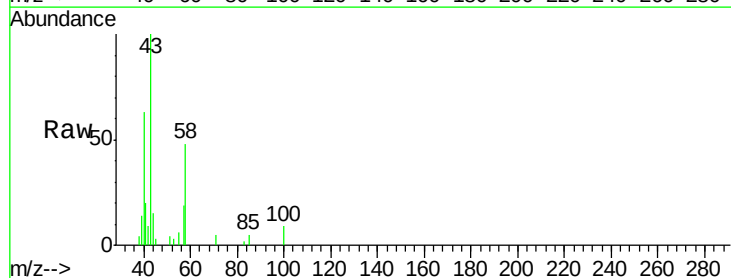
Acq: 29 Apr 2019 9:50

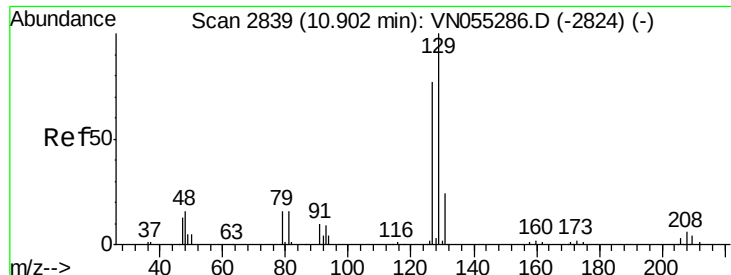
Tgt Ion: 43 Resp: 13948

Ion Ratio Lower Upper

43 100

58 40.1 24.9 74.6





#60

Dibromochloromethane

Concen: 0.938 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3936

Ion Ratio Lower Upper

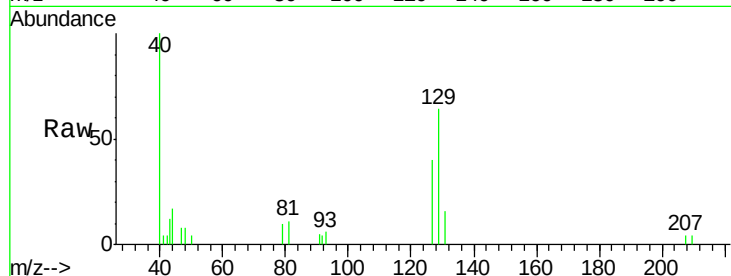
129 100

127 73.8 38.1 114.5

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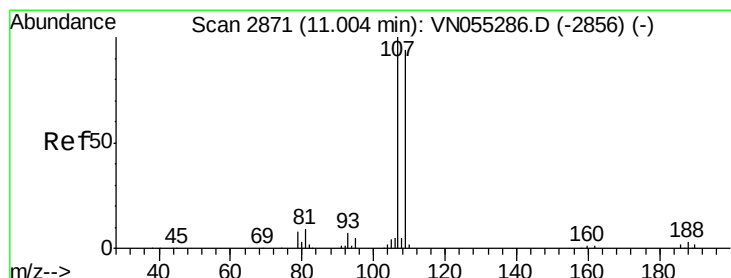
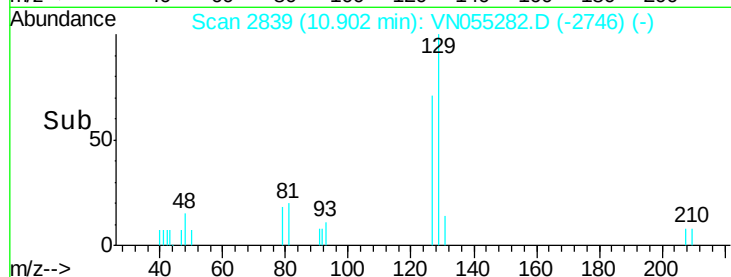
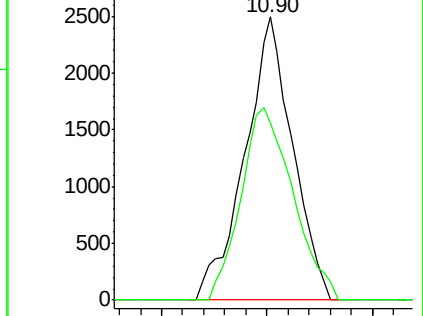
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.974 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN055282.D

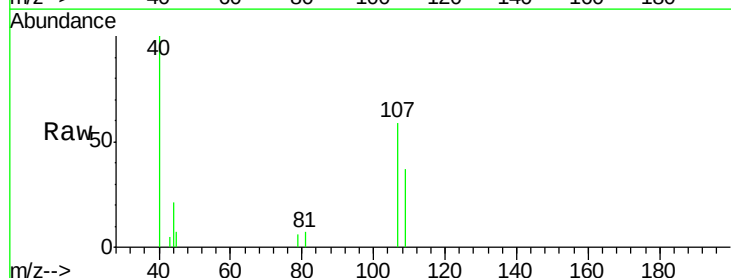
Acq: 29 Apr 2019 9:50

Tgt Ion:107 Resp: 3710

Ion Ratio Lower Upper

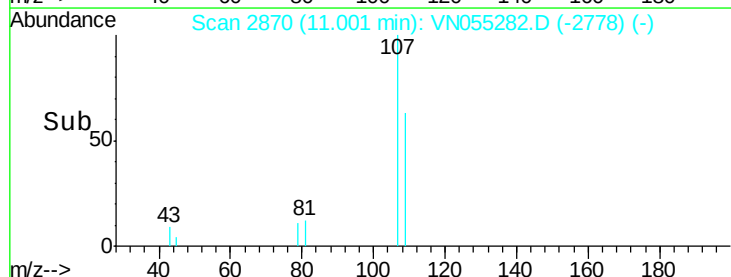
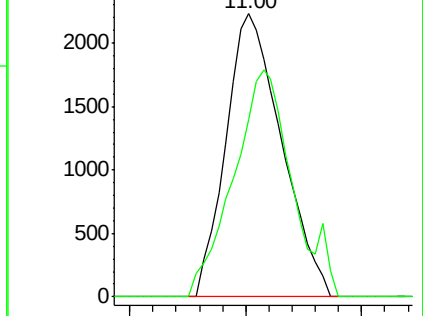
107 100

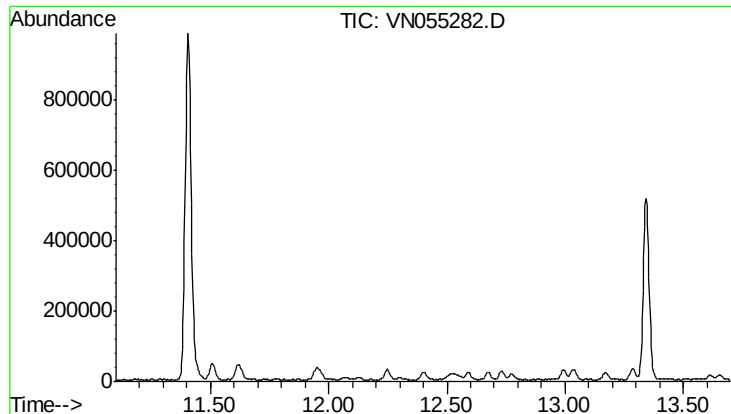
109 84.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.40 min

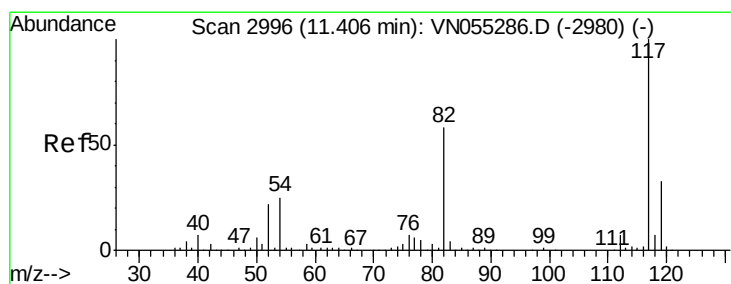
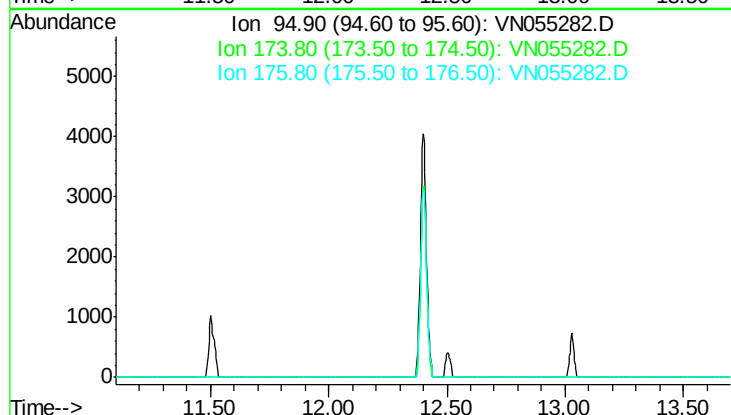
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	83.3
176	78.9

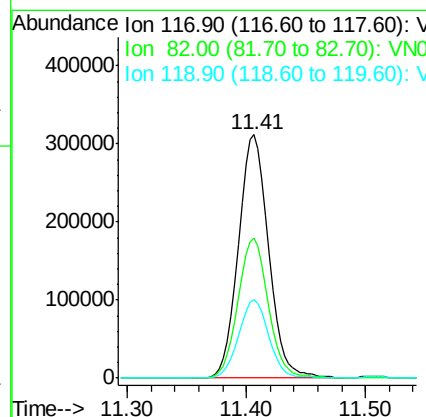
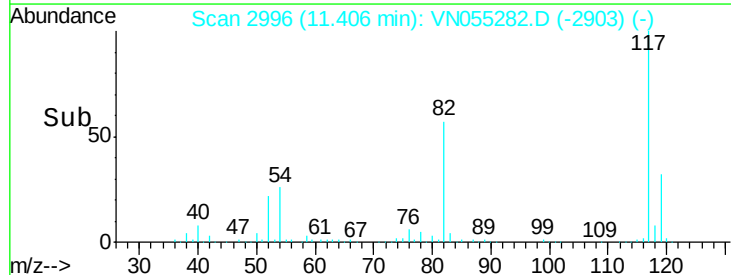
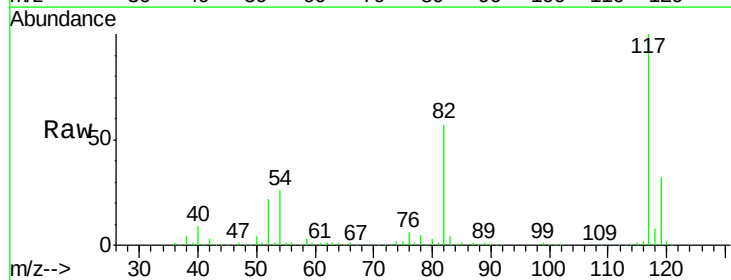
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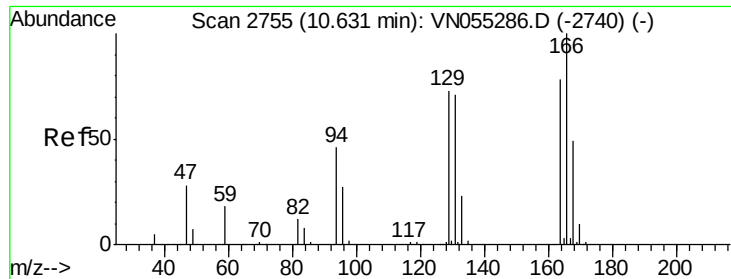
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	117	Resp	548629
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.2	69.4
119	32.0	26.6	40.0





#64

Tetrachloroethene

Concen: 1.153 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5121

Ion Ratio Lower Upper

164 100

166 134.6 102.3 153.5

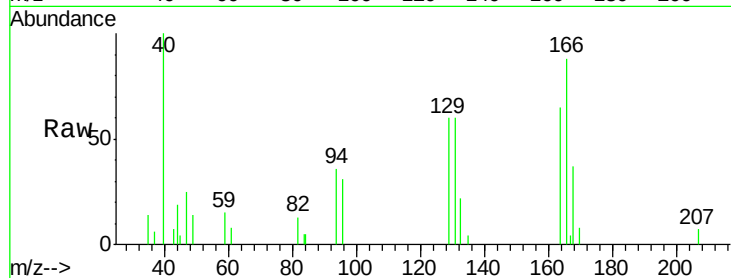
129 92.0 75.0 112.6

131 91.4 72.7 109.1

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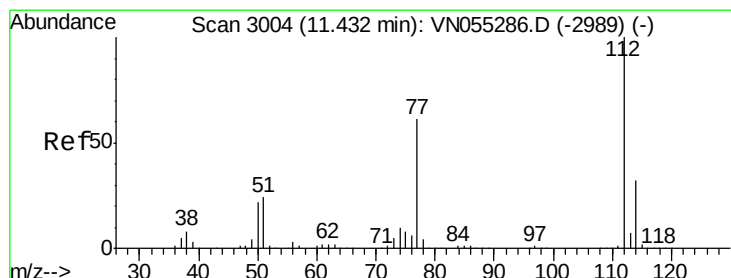
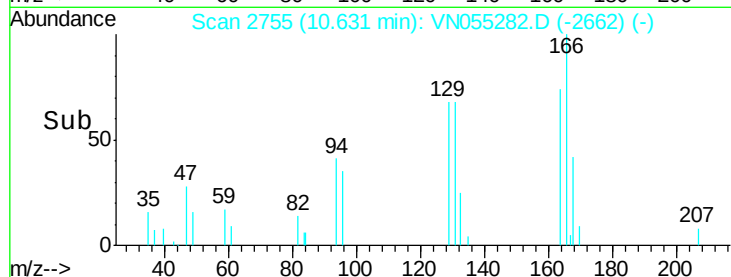
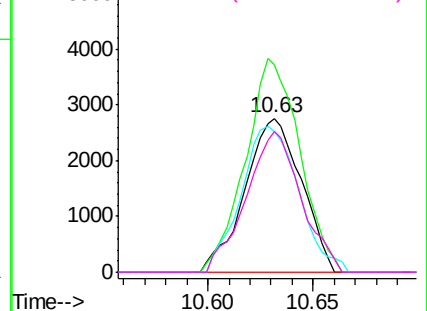


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.021 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN055282.D

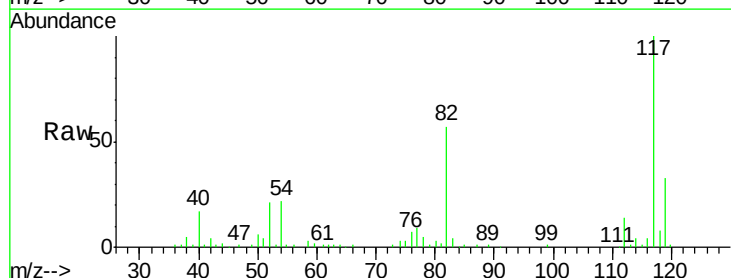
Acq: 29 Apr 2019 9:50

Tgt Ion:112 Resp: 11331

Ion Ratio Lower Upper

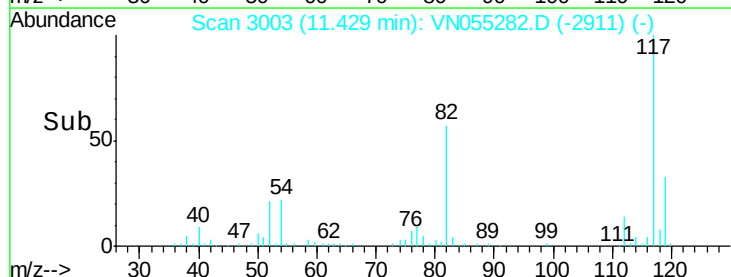
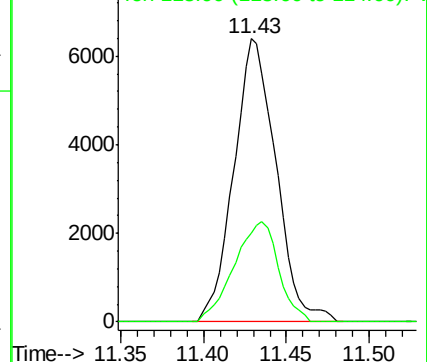
112 100

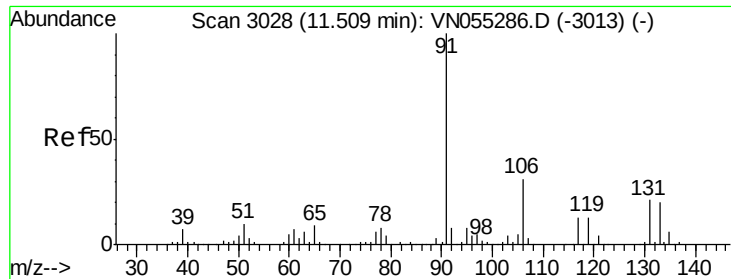
114 31.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





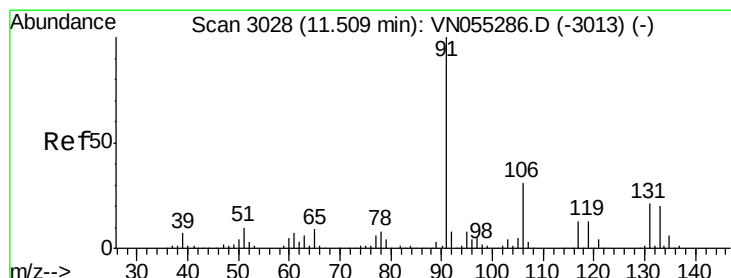
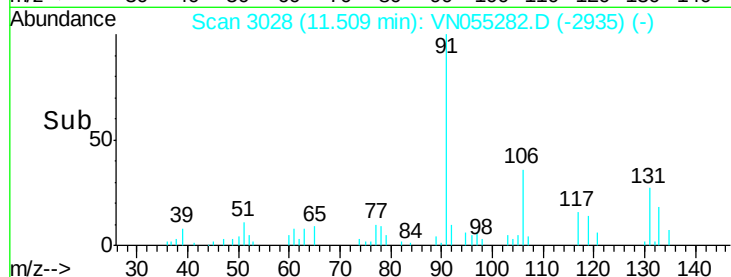
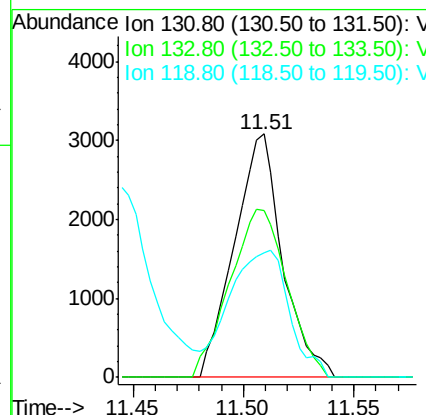
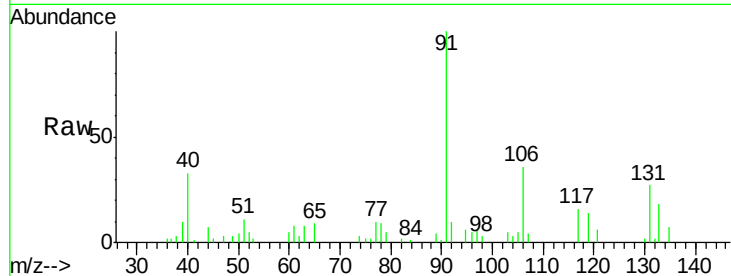
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.130 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:131 Resp: 4669
 Ion Ratio Lower Upper
 131 100
 133 81.8 47.5 142.6
 119 0.0 32.7 98.1#

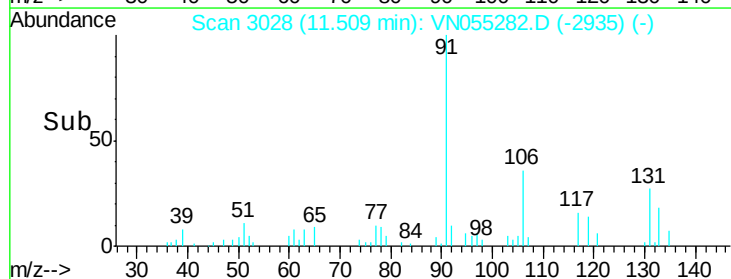
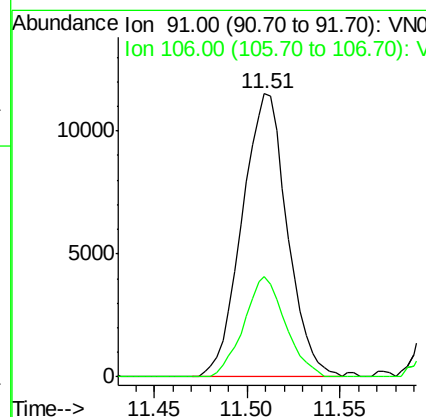
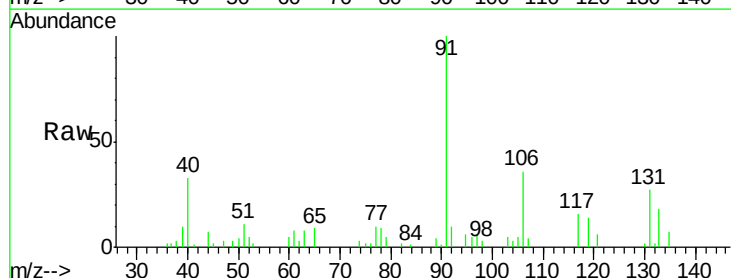
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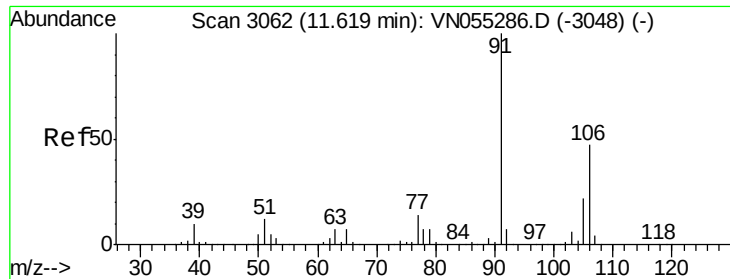
MMDadoda
 4/30/2019 11:58:45 AM



#67
 Ethyl Benzene
 Concen: 0.984 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 91 Resp: 19469
 Ion Ratio Lower Upper
 91 100
 106 35.7 24.6 36.8





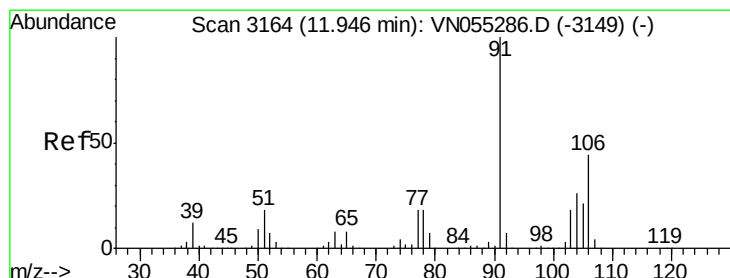
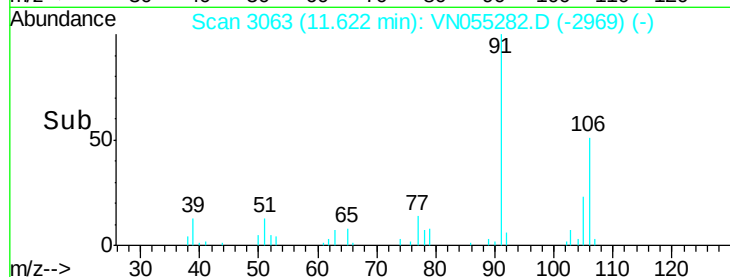
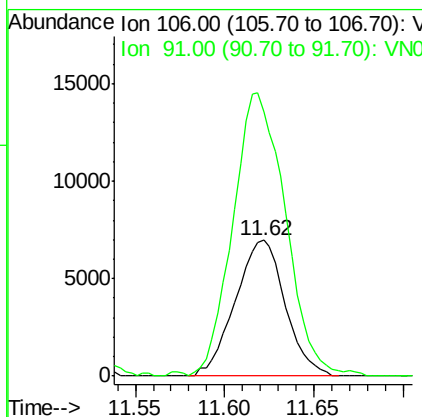
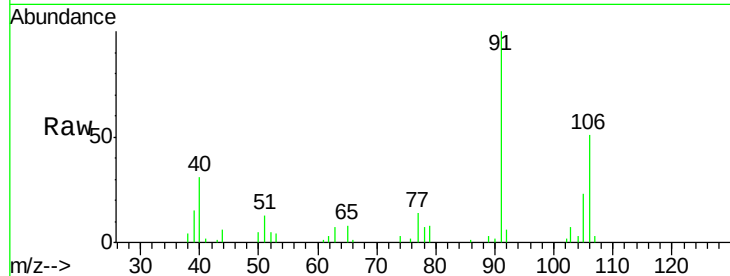
#68
m/p-Xylenes
Concen: 1.921 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 13584
Ion Ratio Lower Upper
106 100
91 219.8 169.5 254.3

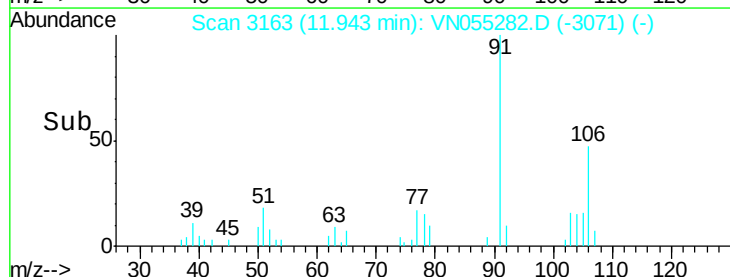
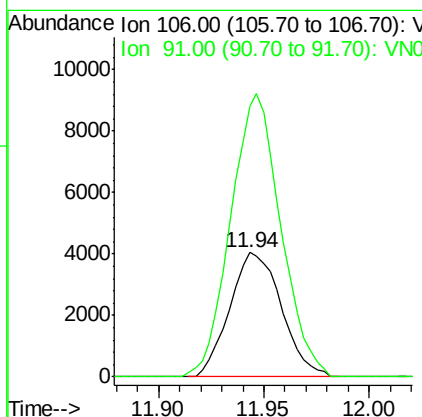
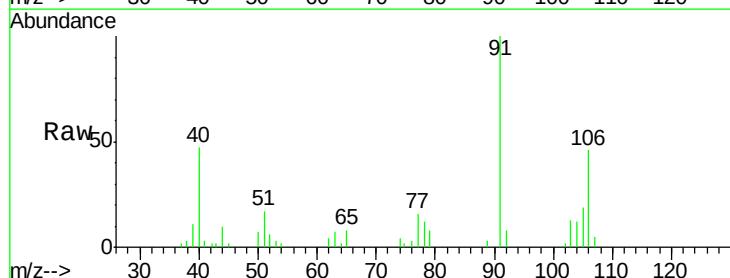
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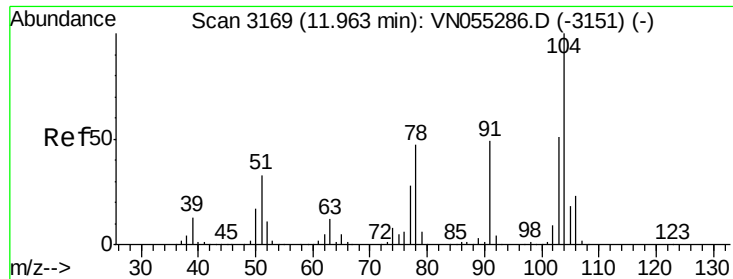
MMDadoda
4/30/2019 11:58:45 AM



#69
o-Xylene
Concen: 0.981 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion:106 Resp: 6896
Ion Ratio Lower Upper
106 100
91 219.9 111.5 334.5





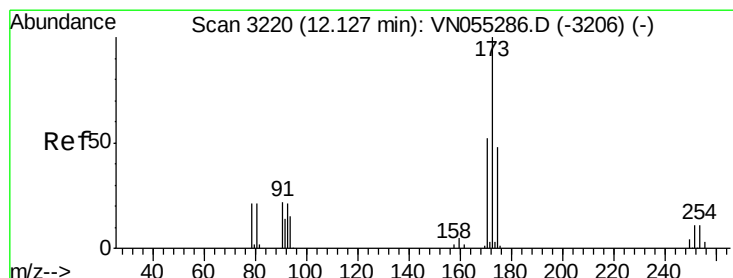
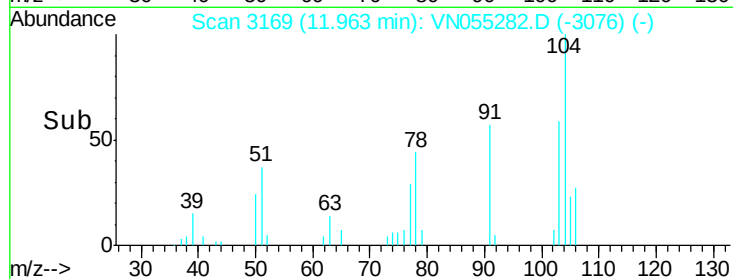
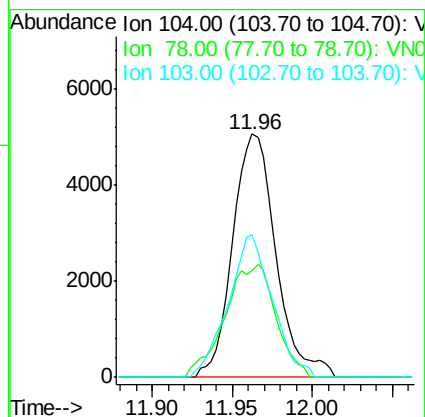
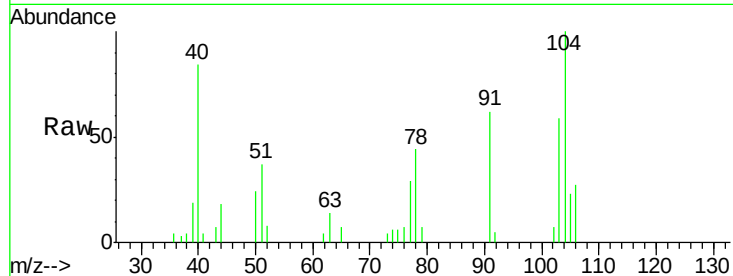
#70
Stvrene
Concen: 0.860 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	42.2	63.2
103	59.8	44.6	67.0

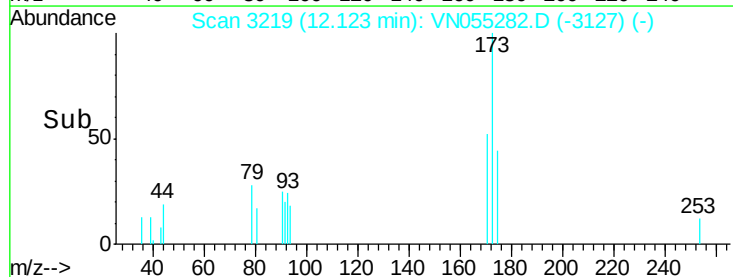
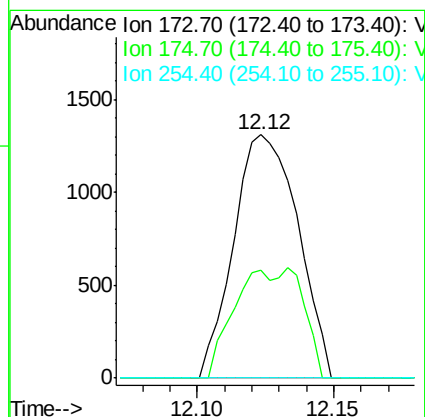
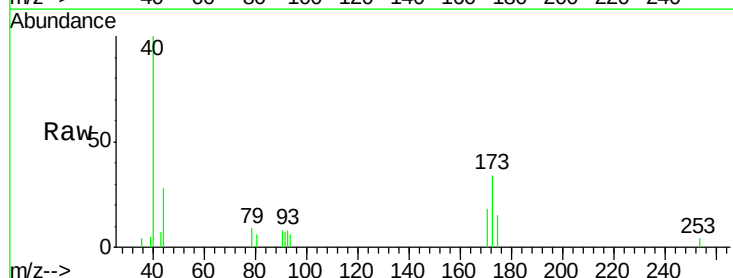
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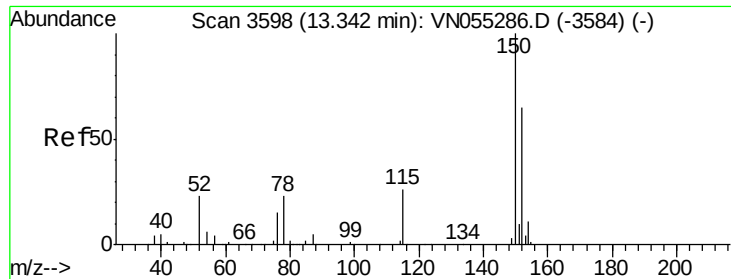
MMDadoda
4/30/2019 11:58:45 AM



#71
Bromoform
Concen: 0.877 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	27.3	23.6	71.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 140666

Ion Ratio Lower Upper

152 100

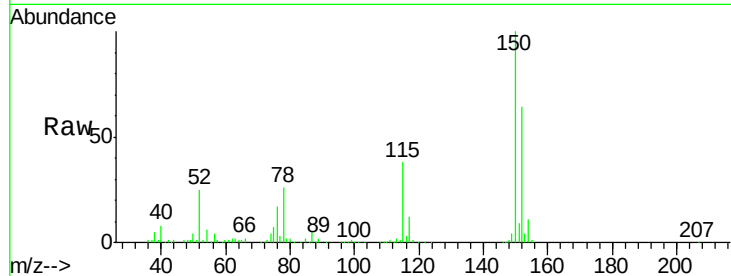
115 57.2 29.0 87.0

150 156.3 0.0 345.6

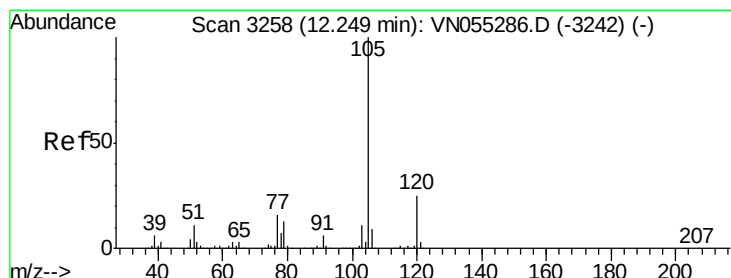
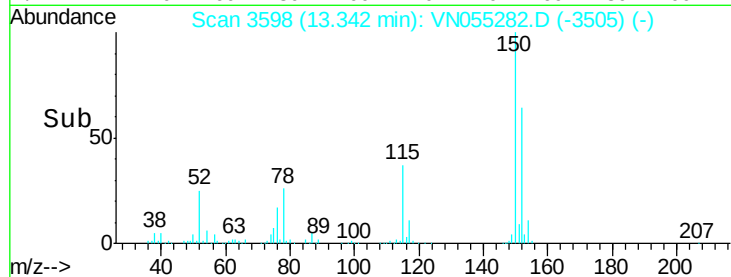
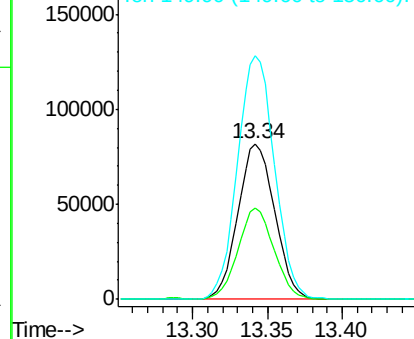
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055282.D

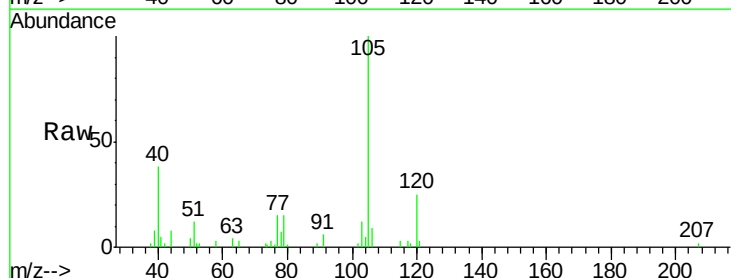
Acq: 29 Apr 2019 9:50

Tgt Ion:105 Resp: 17718

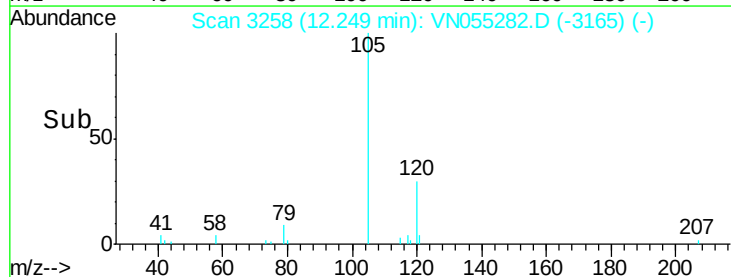
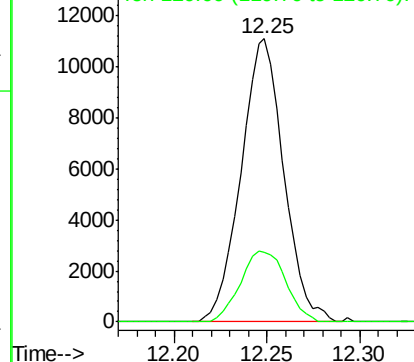
Ion Ratio Lower Upper

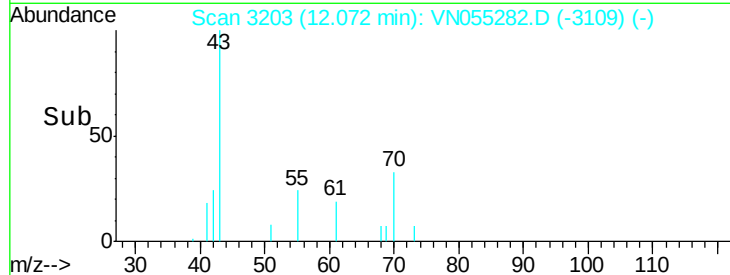
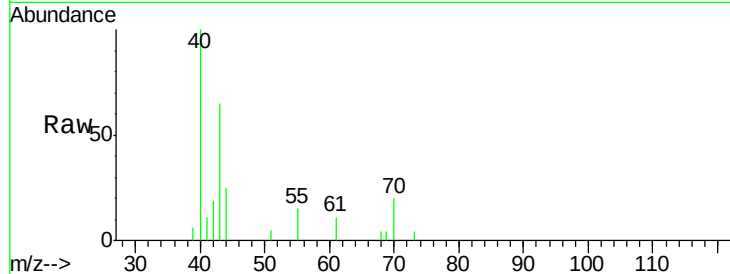
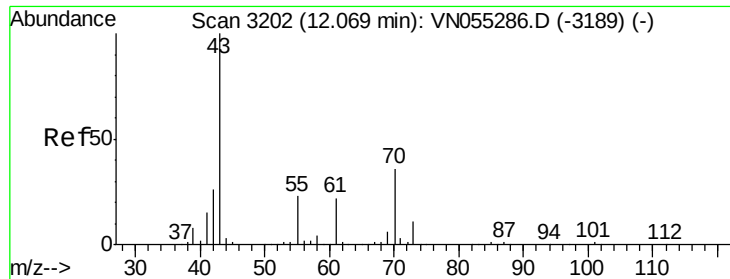
105 100

120 26.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.073 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tot Ion:	43	Resp:	3887
Ion	Ratio	Lower	Upper
43	100		
70	34.1	27.9	41.9
55	25.2	18.2	27.2
61	15.4	16.9	25.3#

Instrument :

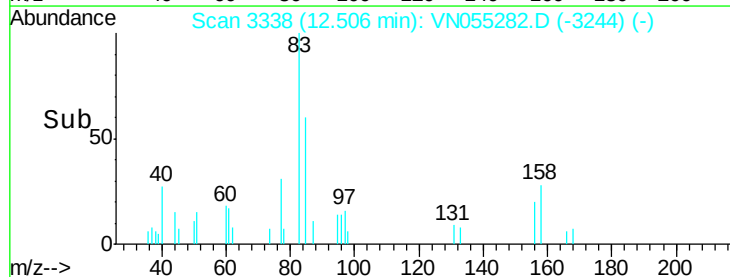
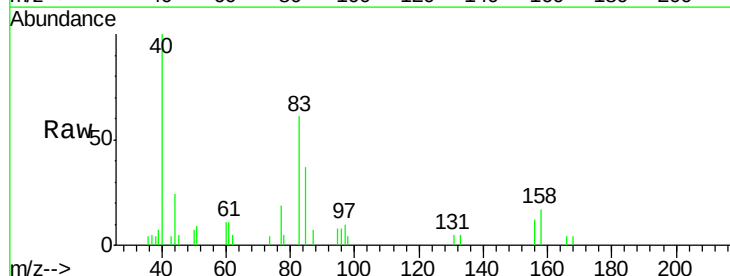
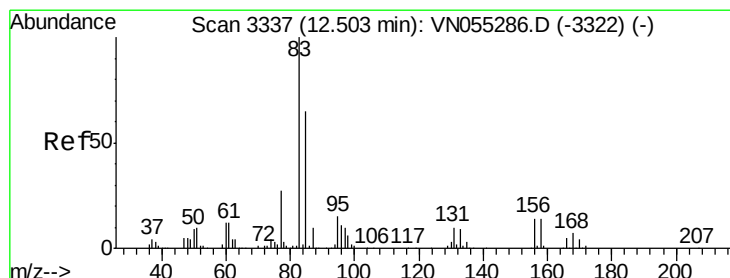
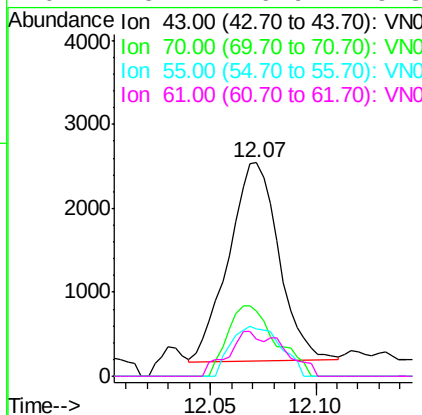
MSVOA_N

ClientSampleId :

VSTDIC001

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.370 ug/l

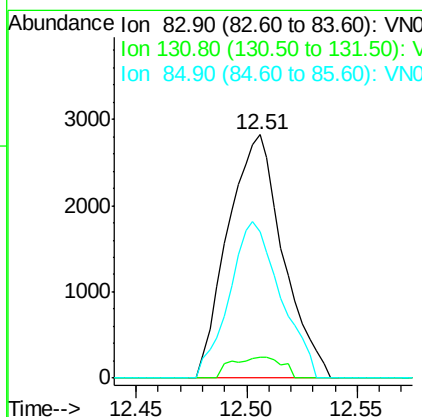
RT: 12.51 min Scan# 3338

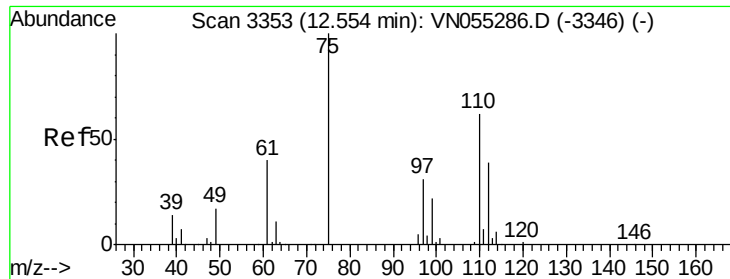
Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	83	Resp:	4895
Ion	Ratio	Lower	Upper
83	100		
131	7.9	5.1	15.2
85	59.6	32.3	96.8





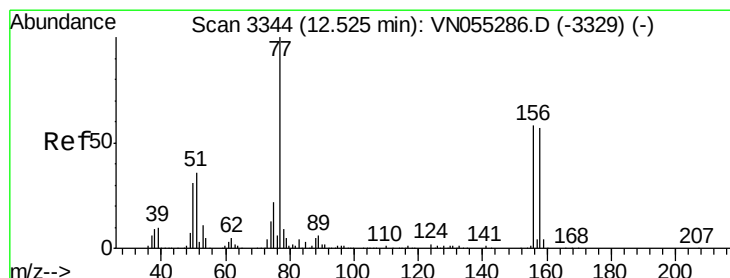
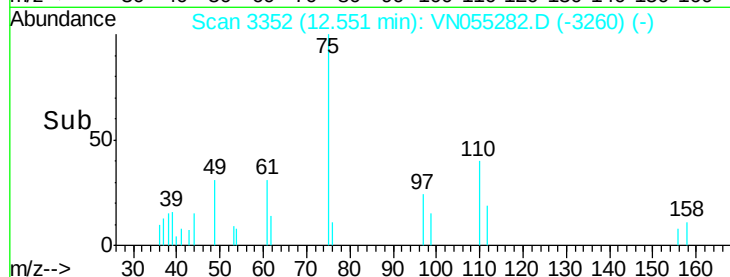
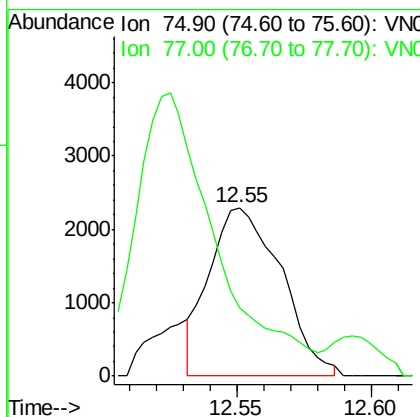
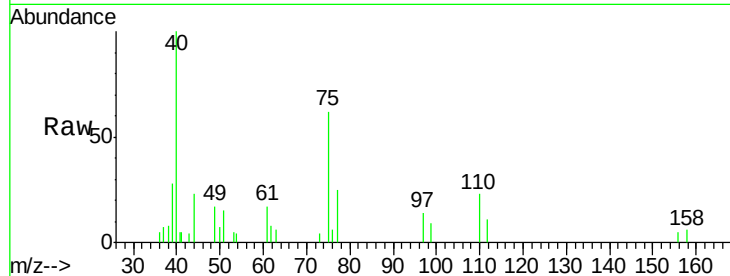
#76
 1,2,3-Trichloropropane
 Concen: 1.473 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 4254
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

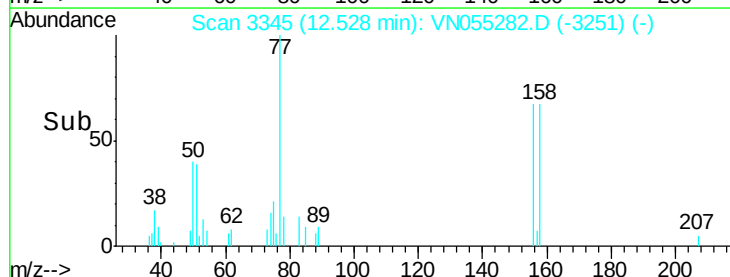
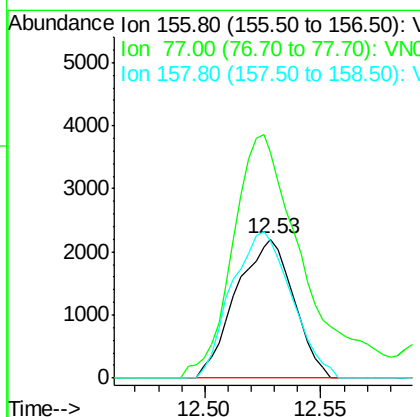
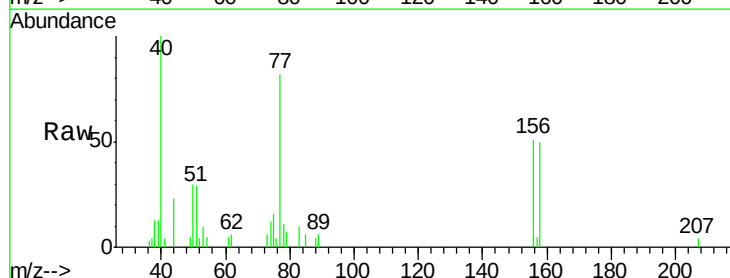
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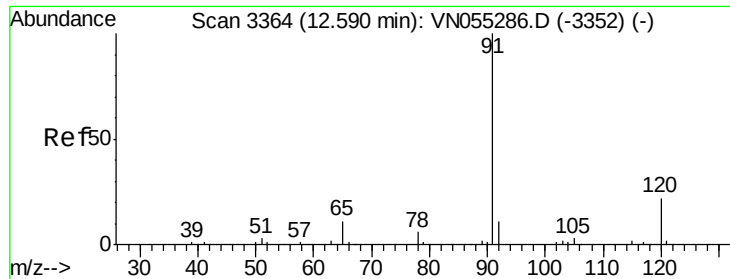
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 4/30/2019 11:58:45 AM



#77
 Bromobenzene
 Concen: 1.226 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 156 Resp: 3798
 Ion Ratio Lower Upper
 156 100
 77 214.6 99.6 298.8
 158 109.7 49.3 147.8





#78

n-propylbenzene

Concen: 1.139 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 16101

Ion Ratio Lower Upper

91 100

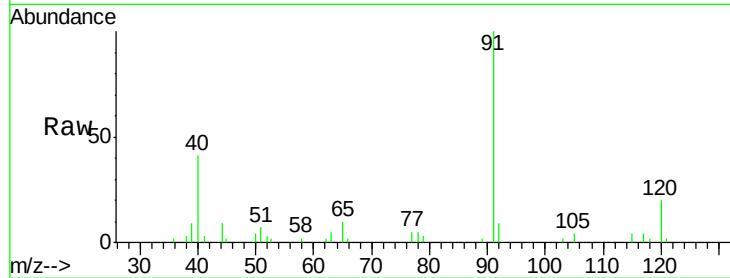
120 22.2 11.0 33.0

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

10000

8000

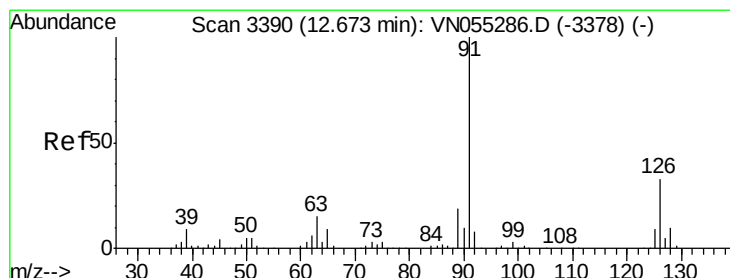
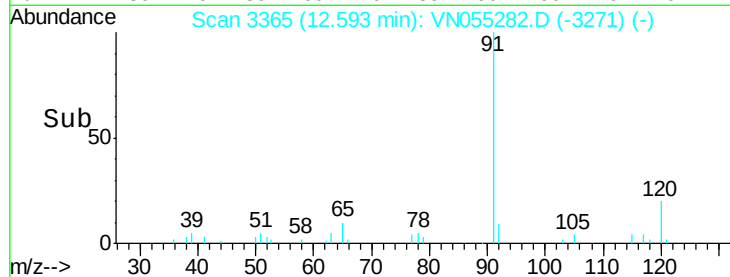
6000

4000

2000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055282.D

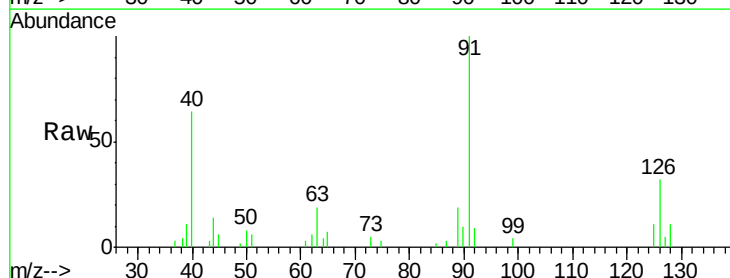
Acq: 29 Apr 2019 9:50

Tgt Ion: 91 Resp: 11282

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

8000

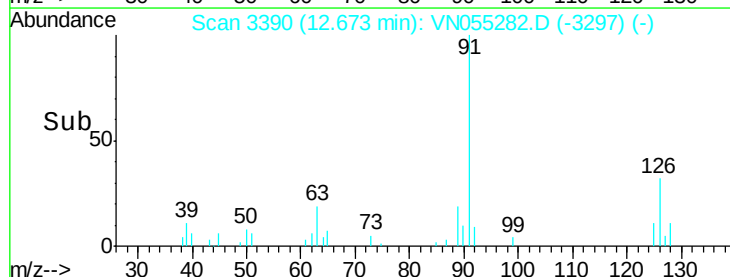
6000

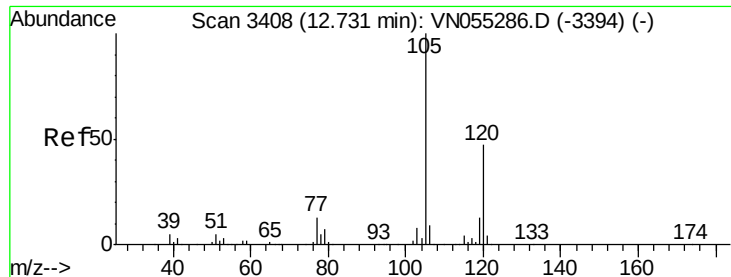
4000

2000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.245 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13111

Ion Ratio Lower Upper

105 100

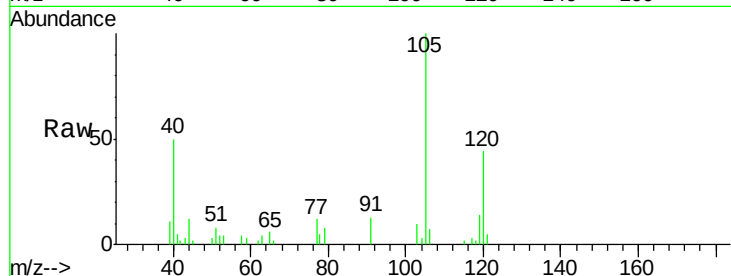
120 44.0 23.4 70.0

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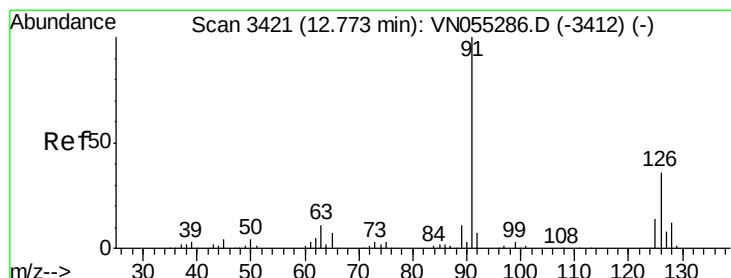
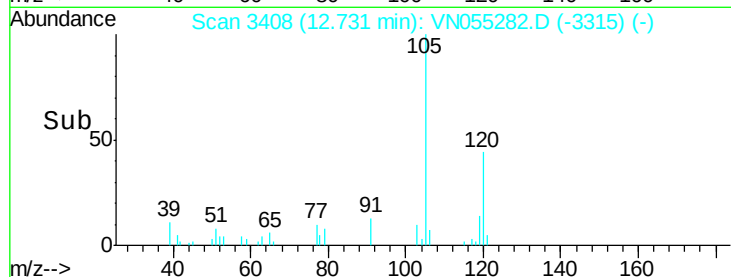
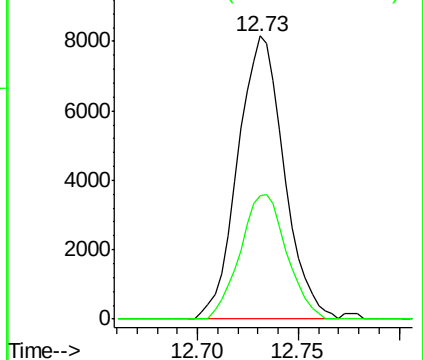
MMDadoda

4/30/2019 11:58:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.212 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055282.D

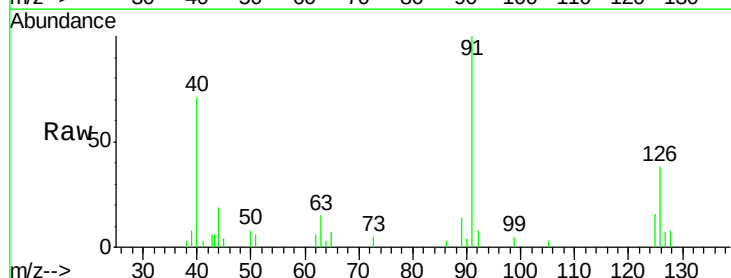
Acq: 29 Apr 2019 9:50

Tgt Ion: 91 Resp: 9905

Ion Ratio Lower Upper

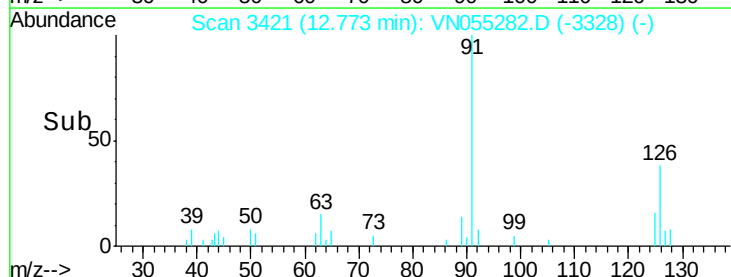
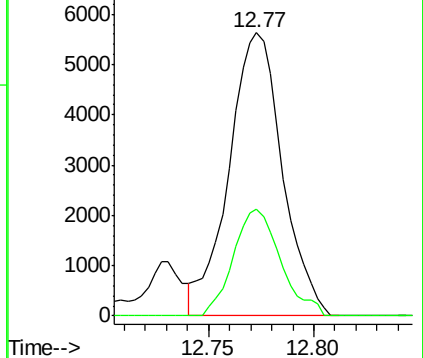
91 100

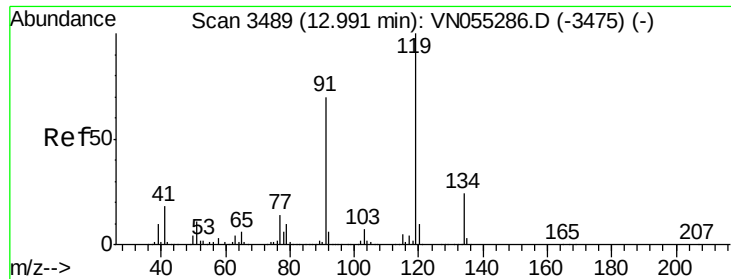
126 33.3 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





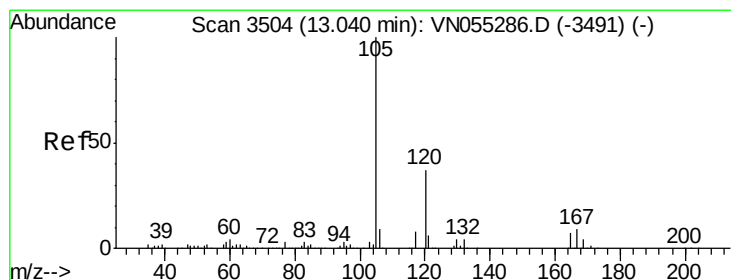
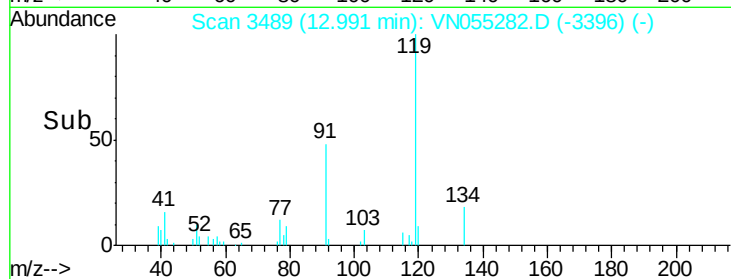
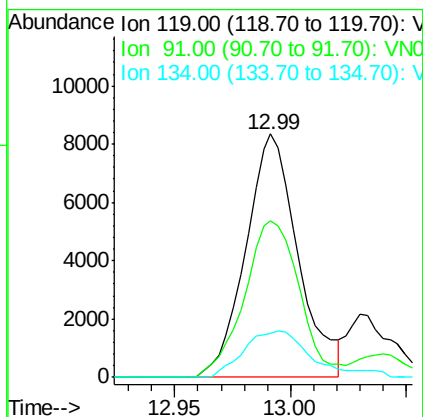
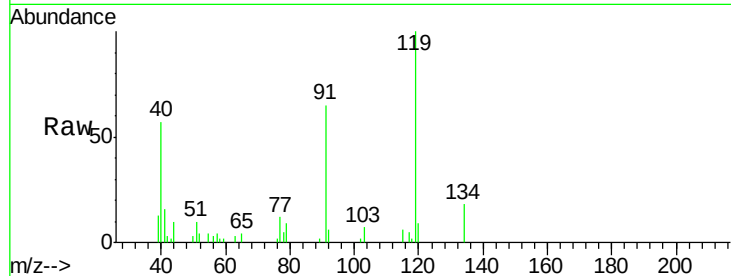
#83
 tert-Butylbenzene
 Concen: 1.391 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.3	102.9
134	24.9	13.1	39.3

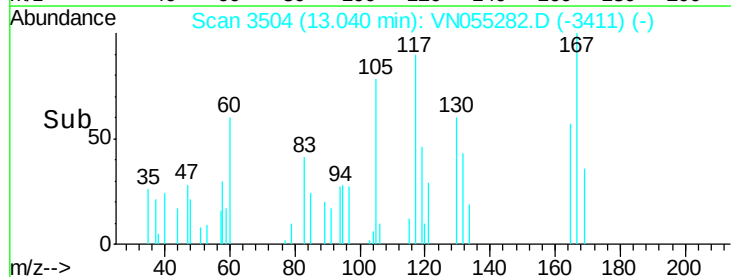
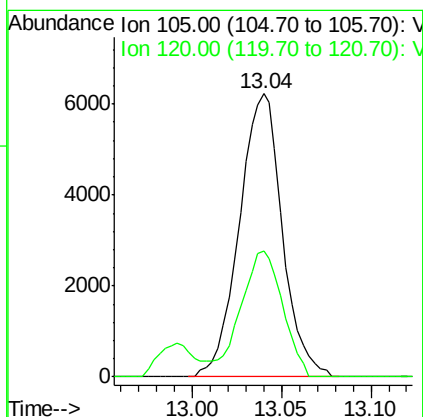
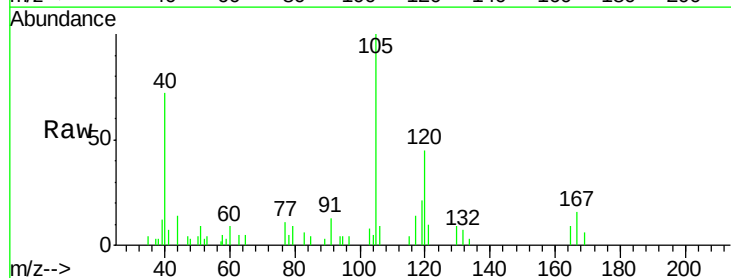
Manual Integrations
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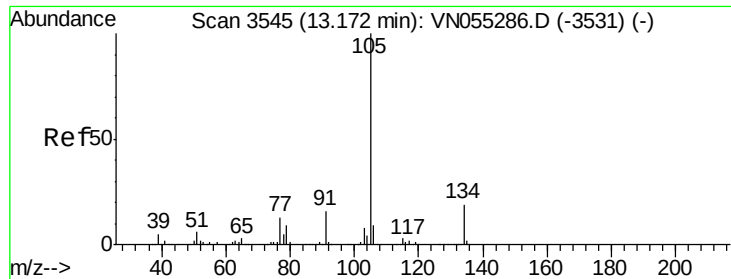
MMDadoda
 4/30/2019 11:58:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.058 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 1.145 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13656

Ion Ratio Lower Upper

105 100

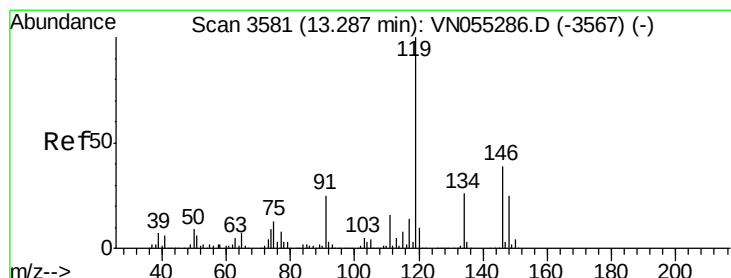
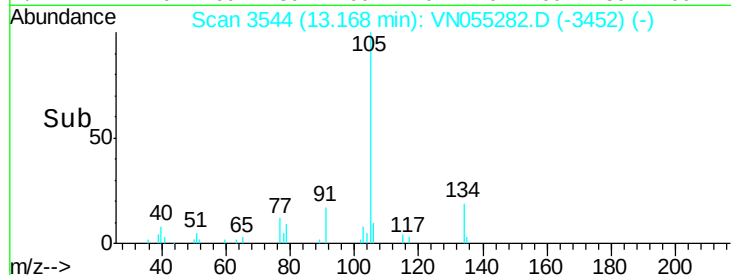
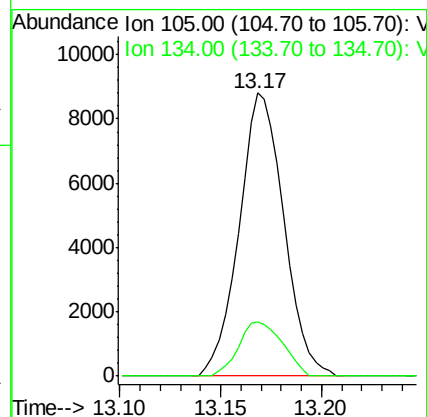
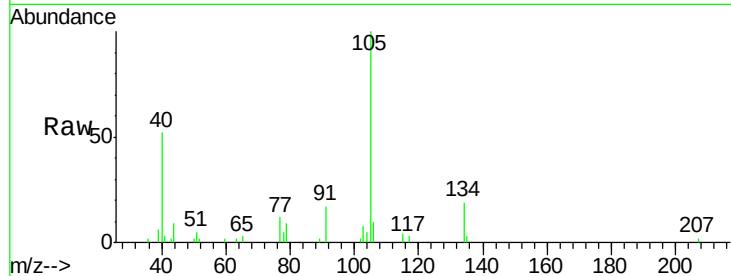
134 18.9 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 1.122 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

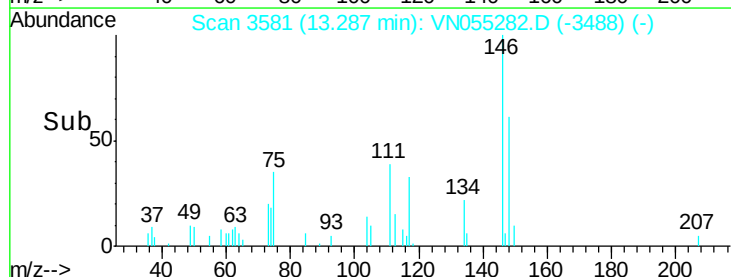
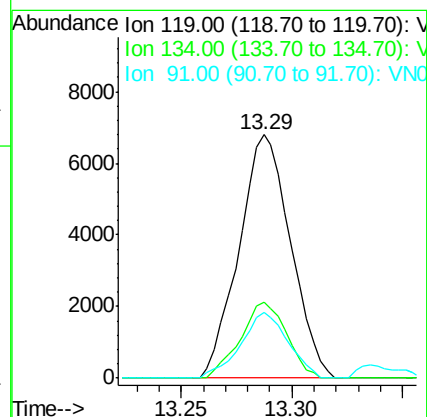
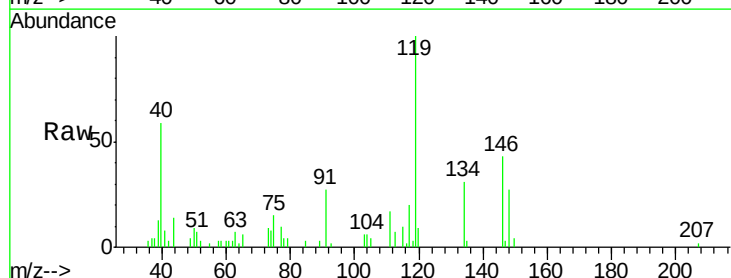
Tgt Ion:119 Resp: 11006

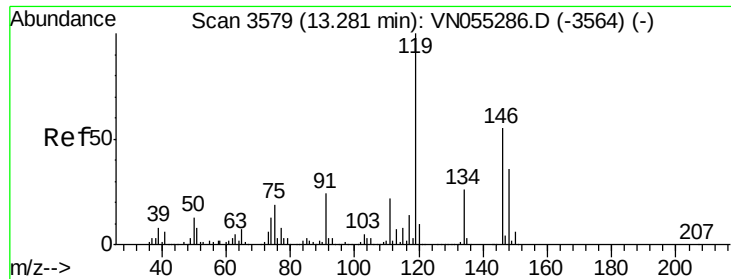
Ion Ratio Lower Upper

119 100

134 27.9 13.0 38.9

91 24.8 12.2 36.6





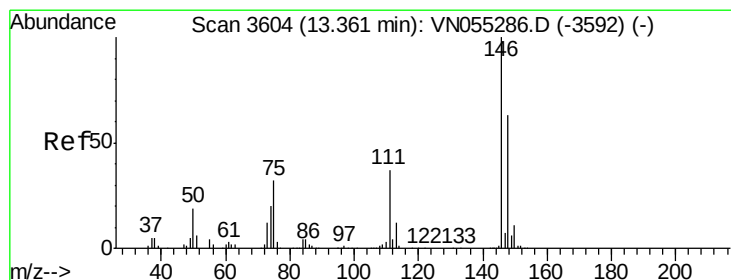
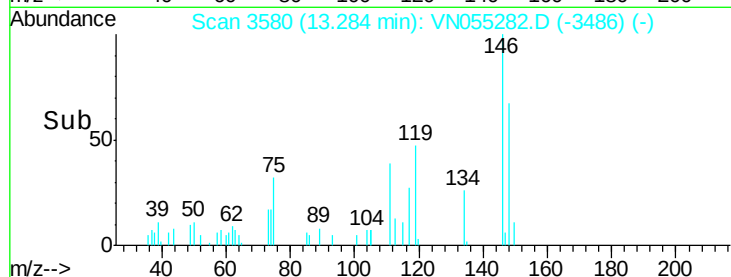
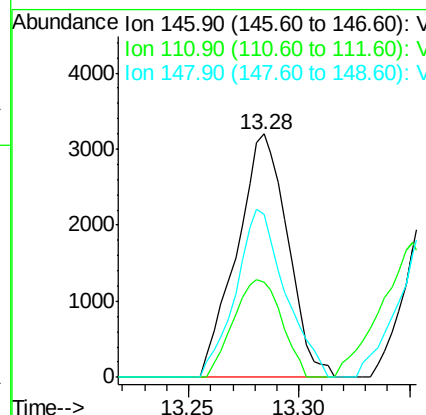
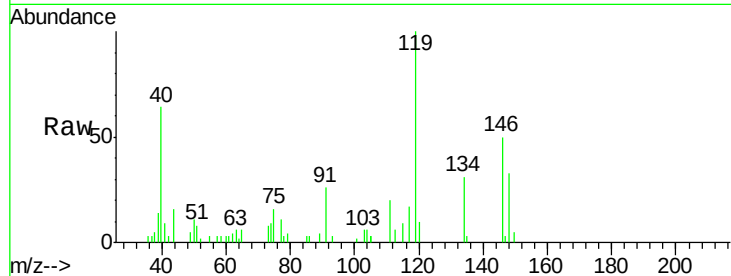
#87
 1,3-Dichlorobenzene
 Concen: 1.079 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	60.8
148	67.1	32.5	97.5

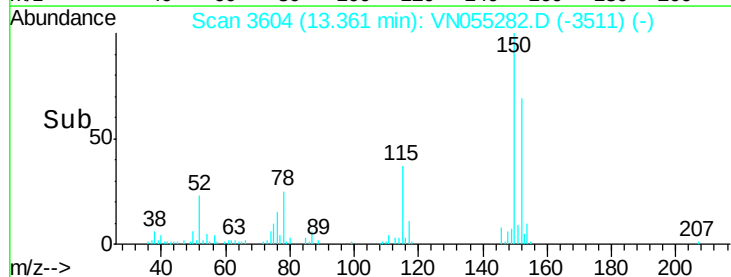
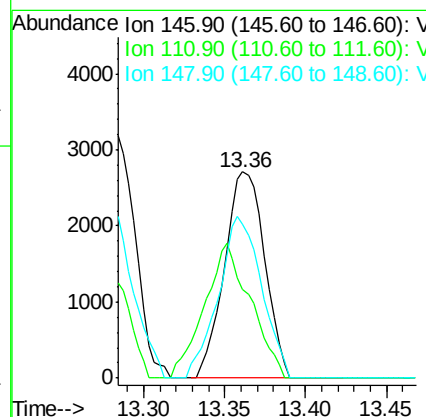
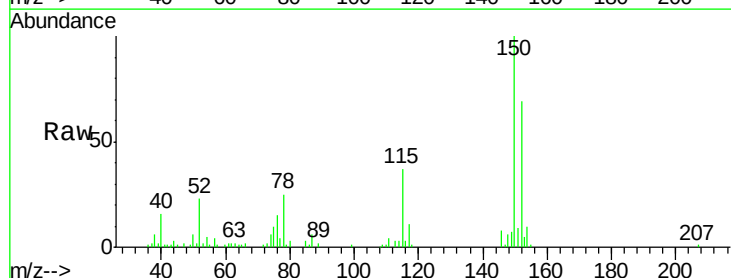
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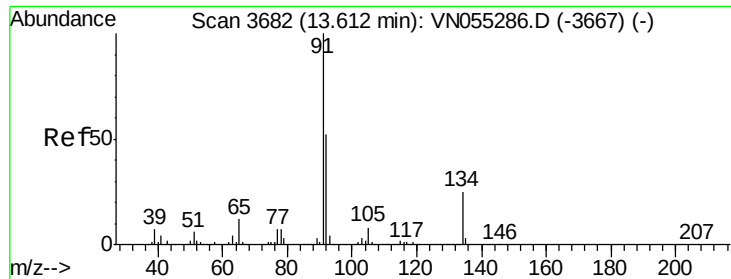
MMDadoda
 4/30/2019 11:58:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.002 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.5	58.5
148	74.2	32.5	97.4





#89

n-Butylbenzene

Concen: 1.005 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

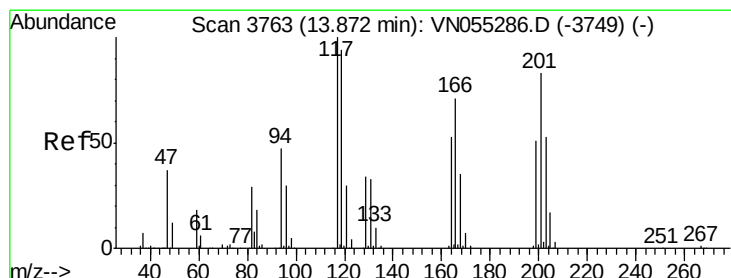
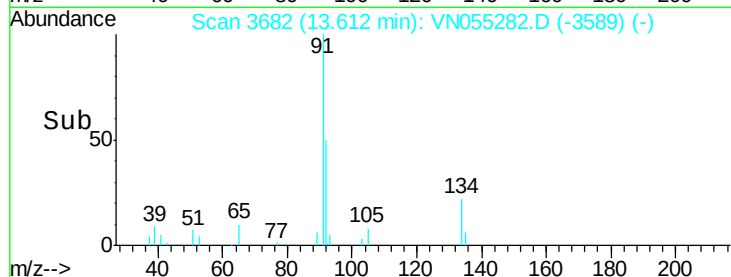
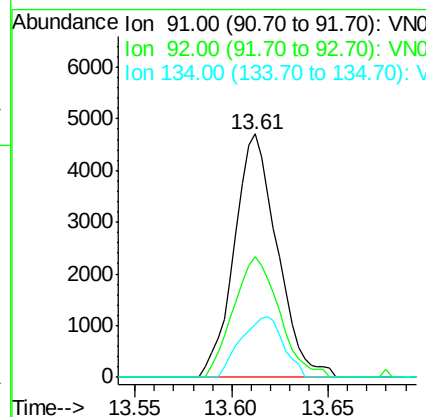
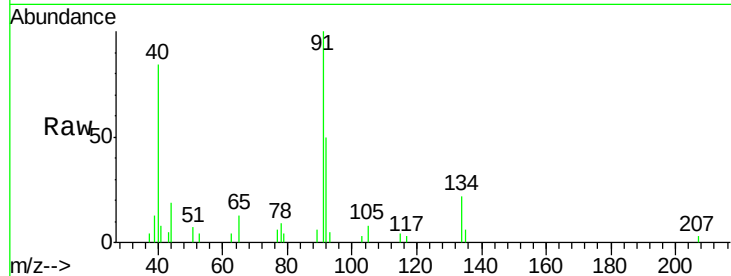
ClientSampleId :

VSTDIC001

Tot Ion:	91	Resp:	7261
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.3
134	24.7	12.4	37.4

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#90

Hexachloroethane

Concen: 1.479 ug/l

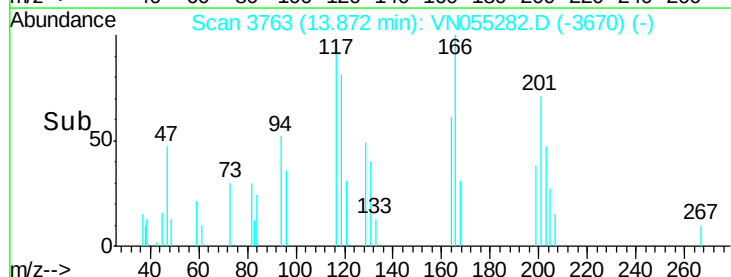
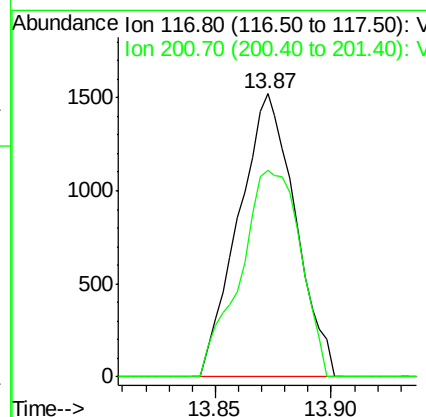
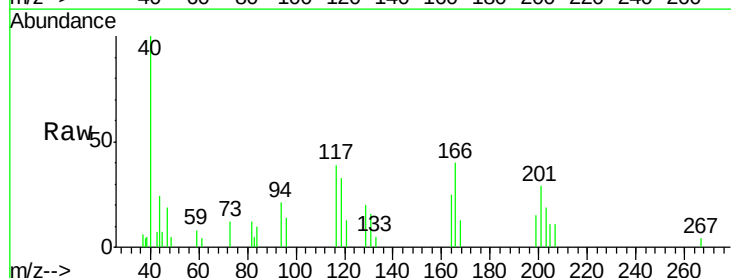
RT: 13.87 min Scan# 3763

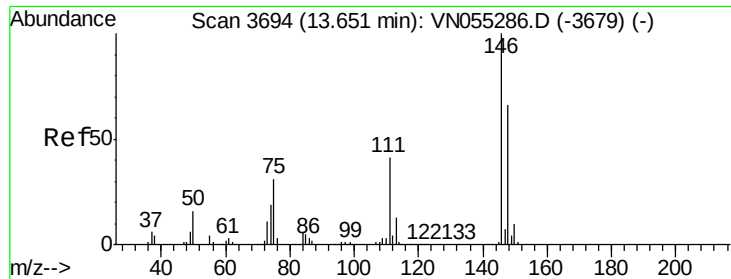
Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	117	Resp:	2588
Ion	Ratio	Lower	Upper
117	100		
201	77.2	41.9	125.8





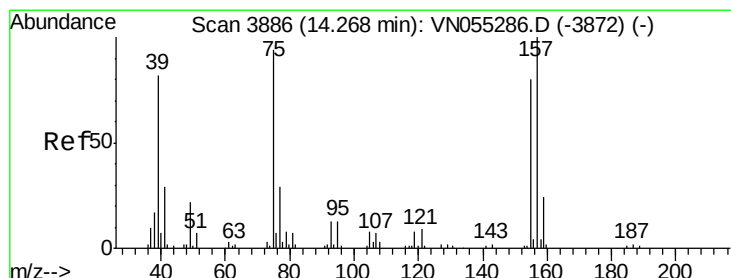
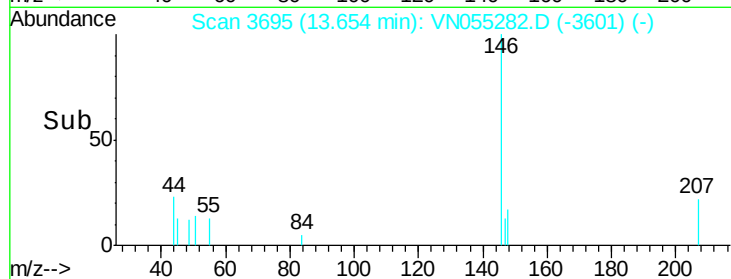
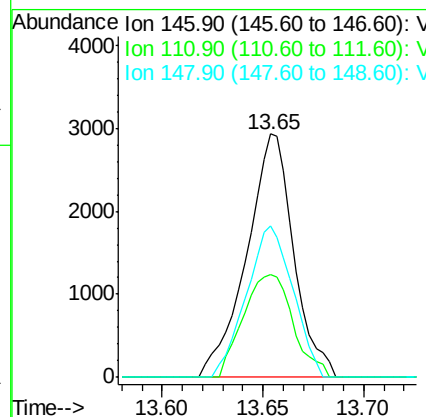
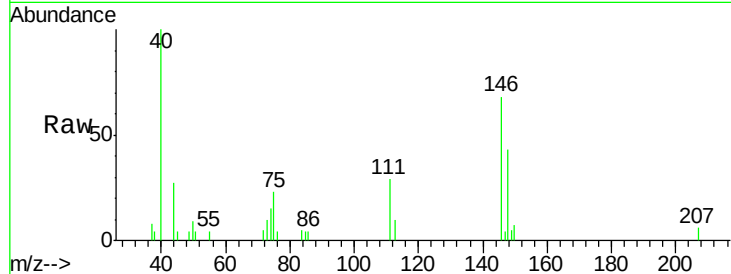
#91
 1,2-Dichlorobenzene
 Concen: 0.986 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.3	61.0
148	61.4	32.4	97.2

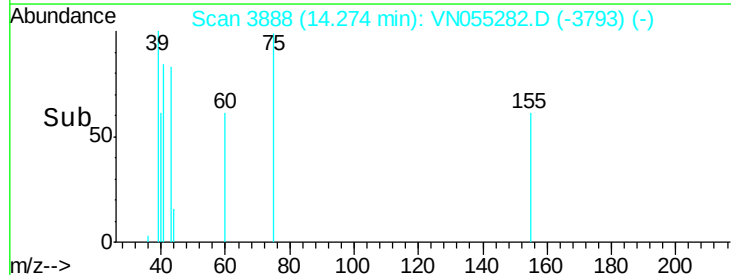
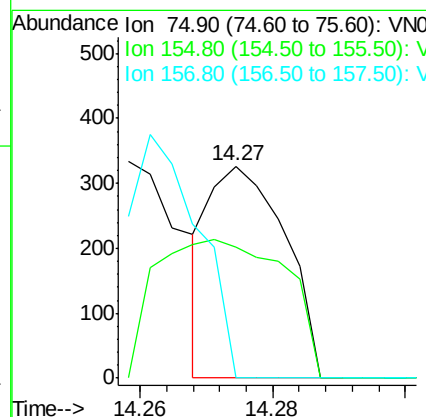
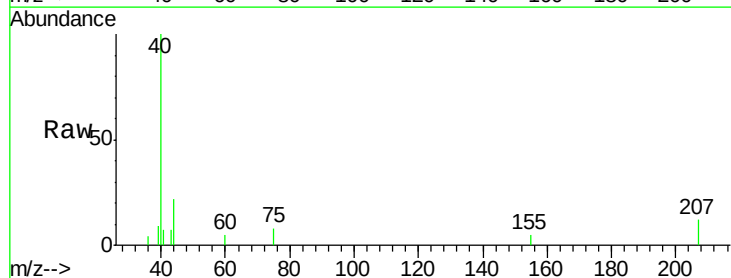
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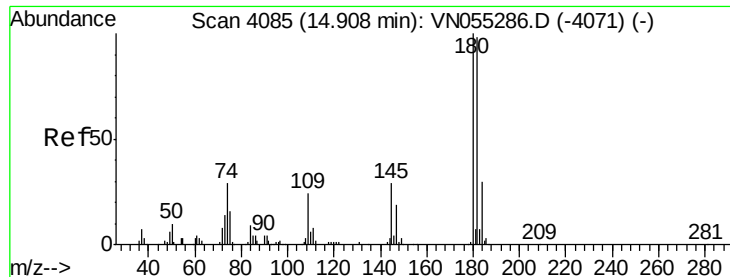
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.606 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.4	41.5	124.6
157	0.0	54.0	162.2#





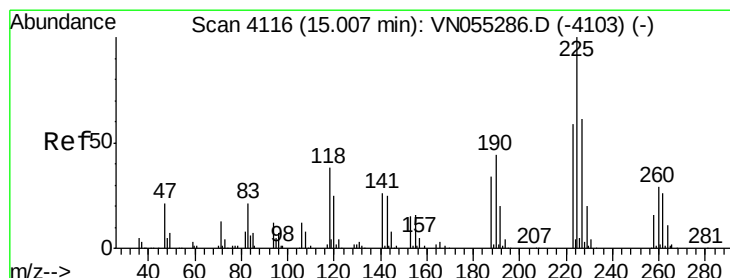
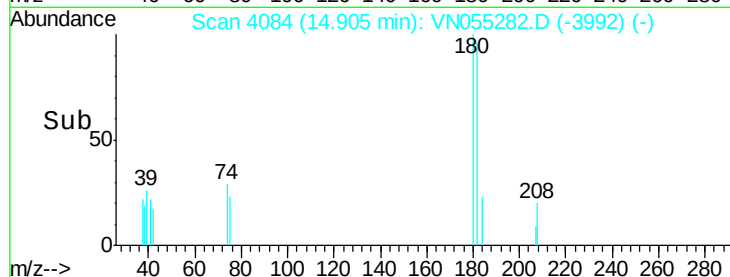
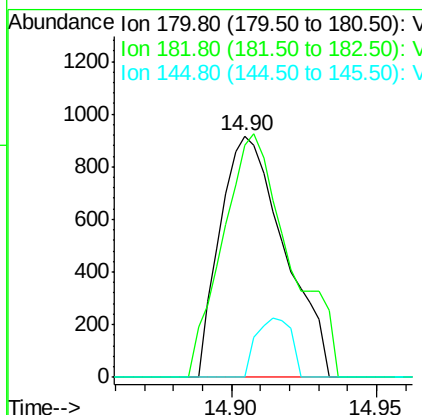
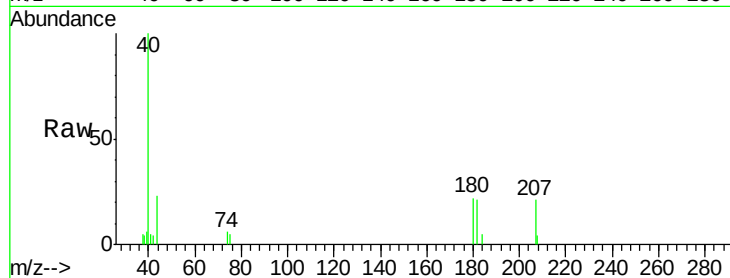
#93
 1,2,4-Trichlorobenzene
 Concen: 0.834 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.5	48.3	144.9
145	13.3	14.2	42.6#

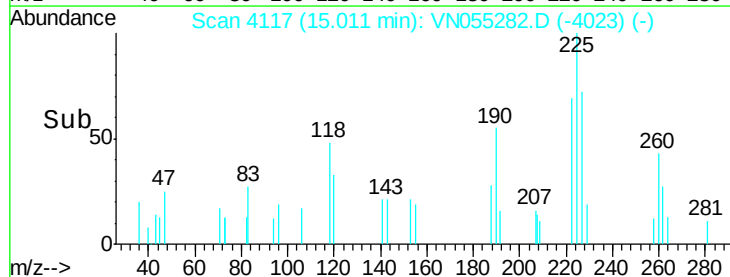
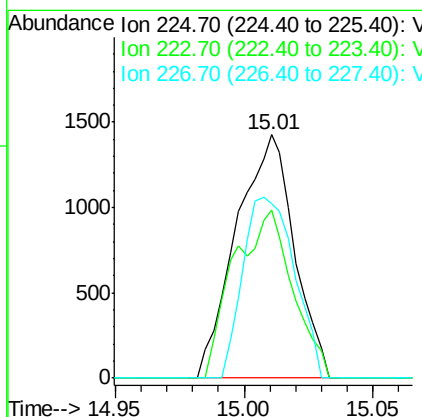
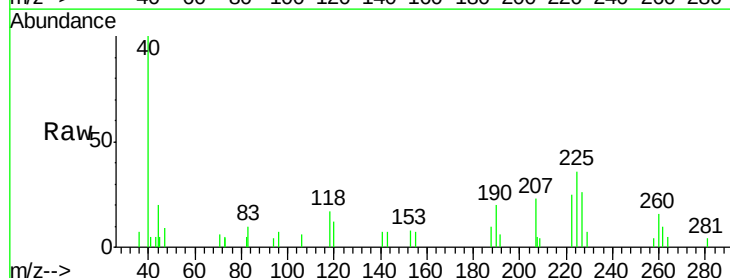
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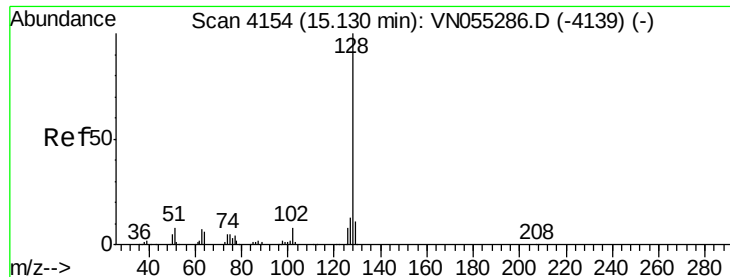
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 1.275 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.3	30.3	90.8
227	66.3	30.9	92.7





#95

Naphthalene

Concen: 0.838 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

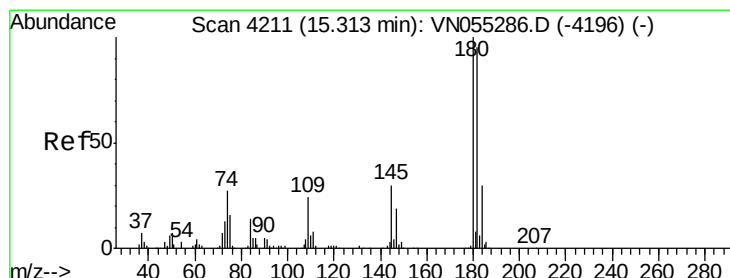
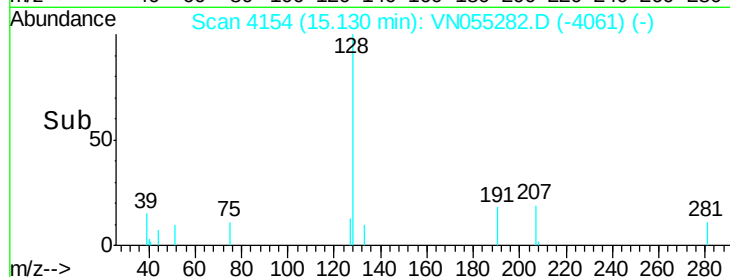
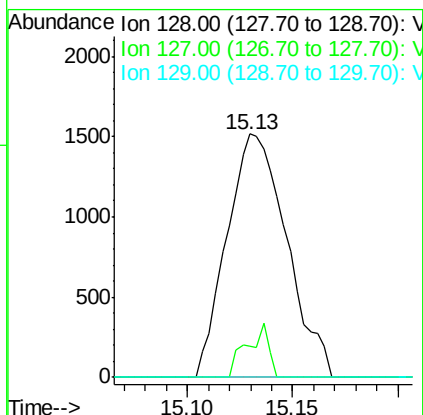
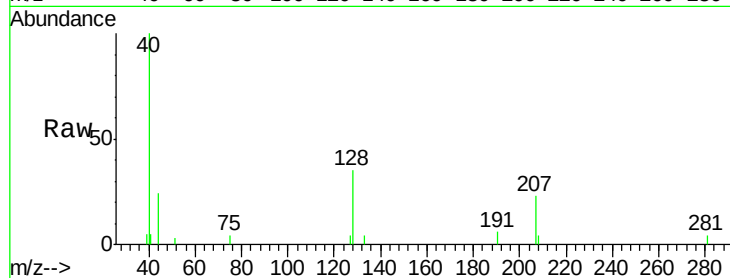
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	2977
Ion Ratio	Lower	Upper	
128	100		
127	8.0	10.7	16.1#
129	0.0	8.6	13.0#

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#96

1,2,3-Trichlorobenzene

Concen: 0.783 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion:	180	Resp:	1371
Ion Ratio	Lower	Upper	
180	100		
182	89.4	48.3	144.9
145	10.3	15.2	45.6#

