

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051336.D
 Acq On : 20 Sep 2018 13:28
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:07 PM

Quant Time: Sep 21 04:02:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	581145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	858652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	752900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290052	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	5661	1.166 ug/l	98
3) Chloromethane	2.06	50	9507	1.380 ug/l	94
4) Vinyl Chloride	2.18	62	7521	1.099 ug/l #	82
5) Bromomethane	2.56	94	5963	1.249 ug/l	98
6) Chloroethane	2.71	64	4629	1.100 ug/l	95
7) Trichlorofluoromethane	3.02	101	10730	1.096 ug/l	89
8) Diethyl Ether	3.42	74	3099	0.990 ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	6994	1.165 ug/l	89
12) 1,1-Dichloroethene	3.73	96	6019	1.107 ug/l	86
14) Allyl chloride	4.33	41	8062	1.052 ug/l	97
15) Acrylonitrile	5.00	53	8336	4.926 ug/l #	67
16) Acetone	3.83	43	9476	7.323 ug/l	97
17) Carbon Disulfide	4.05	76	18696	1.141 ug/l	98
18) Methyl Acetate	4.34	43	7475	1.681 ug/l #	71
19) Methyl tert-butyl Ether	5.05	73	12388	0.942 ug/l #	88
20) Methylene Chloride	4.55	84	7807	1.206 ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	5891m	1.026 ug/l	
22) Diisopropyl ether	5.96	45	13960	0.922 ug/l #	85
23) Vinyl Acetate	5.90	43	42464	4.338 ug/l	99
24) 1,1-Dichloroethane	5.85	63	11228	1.088 ug/l #	94
25) 2-Butanone	6.85	43	9732	5.408 ug/l	92
26) 2,2-Dichloropropane	6.82	77	9454	1.109 ug/l #	73
27) cis-1,2-Dichloroethene	6.83	96	6456	1.015 ug/l	98
28) Bromochloromethane	7.20	49	4075	0.953 ug/l #	86
29) Tetrahydrofuran	7.22	42	5776	5.066 ug/l #	67
30) Chloroform	7.37	83	12211	1.126 ug/l	98
31) Cyclohexane	7.66	56	15592	1.536 ug/l #	18
32) 1,1,1-Trichloroethane	7.57	97	10061	1.077 ug/l #	49
36) 1,1-Dichloropropene	7.79	75	8847	1.007 ug/l	94
37) Ethyl Acetate	6.94	43	4057	0.933 ug/l #	67
38) Carbon Tetrachloride	7.77	117	9847	1.036 ug/l	94
39) Methylcyclohexane	9.08	83	8697	0.848 ug/l	97
40) Benzene	8.04	78	25555	0.966 ug/l	98
41) Methacrylonitrile	7.19	41	2142	0.946 ug/l #	29

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	8234	1.030	ug/l	91
43) Isopropyl Acetate	8.17	43	5535	0.727	ug/l	93
44) Trichloroethene	8.84	130	7621	1.003	ug/l	96
45) 1,2-Dichloropropane	9.12	63	6524	0.963	ug/l	92
46) Dibromomethane	9.21	93	4197	1.005	ug/l	93
47) Bromodichloromethane	9.40	83	9071	1.019	ug/l	99
48) Methyl methacrylate	9.20	41	3503	0.902	ug/l	94
49) 1,4-Dioxane	9.20	88	926	16.129	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	16369	3.996	ug/l	98
52) Toluene	10.16	92	13225	0.812	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	7208	0.843	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	7938	0.802	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	6478	1.060	ug/l	94
56) Ethyl methacrylate	10.43	69	4300	0.666	ug/l	93
57) 1,3-Dichloropropane	10.71	76	9025	0.937	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	10318	3.250	ug/l	98
59) 2-Hexanone	10.75	43	12007	4.348	ug/l	88
60) Dibromochloromethane	10.90	129	6847	0.961	ug/l	97
61) 1,2-Dibromoethane	11.01	107	5575	0.949	ug/l	95
64) Tetrachloroethene	10.63	164	6405	0.976	ug/l	93
65) Chlorobenzene	11.44	112	17613	0.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	7017	1.025	ug/l #	65
67) Ethyl Benzene	11.51	91	23513	0.836	ug/l	99
68) m/p-Xylenes	11.62	106	16922	1.531	ug/l	96
69) o-Xylene	11.94	106	8445	0.792	ug/l	95
70) Styrene	11.97	104	11406	0.690	ug/l	93
71) Bromoform	12.13	173	4168	0.897	ug/l #	96
73) Isopropylbenzene	12.25	105	20262	0.953	ug/l	100
74) N-amyl acetate	12.08	43	4900	1.077	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.51	83	6917	1.318	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	5632m	1.345	ug/l	
77) Bromobenzene	12.53	156	6351	1.081	ug/l	92
78) n-propylbenzene	12.59	91	20552	0.887	ug/l	98
79) 2-Chlorotoluene	12.67	91	14398	1.008	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	14259	0.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	1143m	0.945	ug/l	
82) 4-Chlorotoluene	12.77	91	12505	0.901	ug/l	100
83) tert-Butylbenzene	12.99	119	13749	0.891	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	13265	0.776	ug/l	95
85) sec-Butylbenzene	13.17	105	17064	0.832	ug/l	99
86) p-Isopropyltoluene	13.29	119	13605	0.762	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9722	0.985	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	9539	0.997	ug/l	90
89) n-Butylbenzene	13.62	91	10476	0.755	ug/l	93
90) Hexachloroethane	13.87	117	4811	1.258	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	9712	1.018	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	772	1.111	ug/l	81
93) 1,2,4-Trichlorobenzene	14.91	180	2527	0.578	ug/l	92
94) Hexachlorobutadiene	15.01	225	4153	1.122	ug/l	94
95) Naphthalene	15.13	128	4408	0.572	ug/l	96

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ClientSampleId :
VSTDICC001

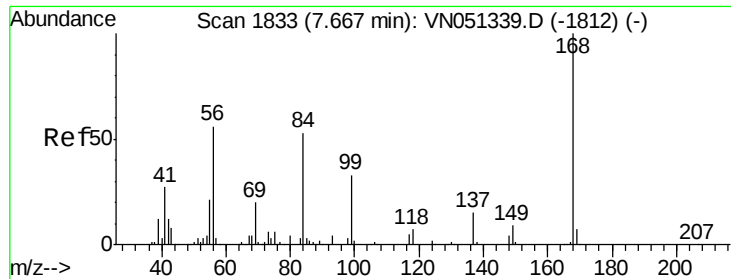
Manual Integrations
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QLast Update : Fri Sep 21 03:27:45 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	2807	0.645	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 581145

Ion Ratio Lower Upper

168 100

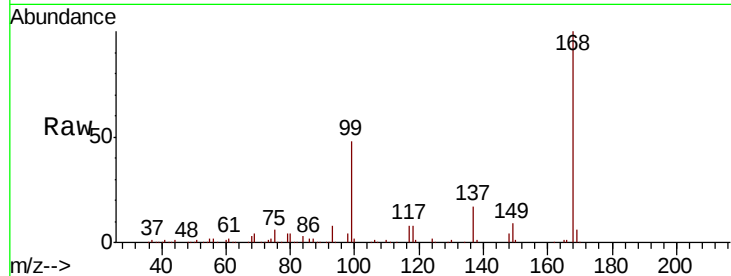
99 47.7 37.1 55.7

Manual Integrations

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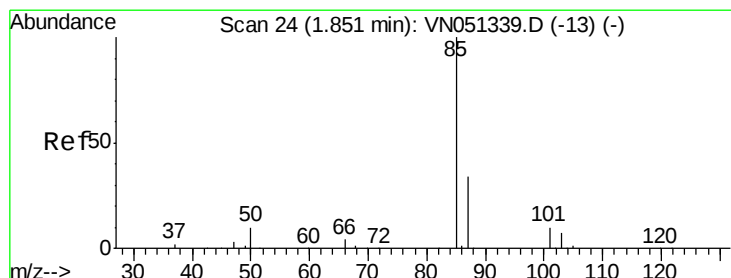
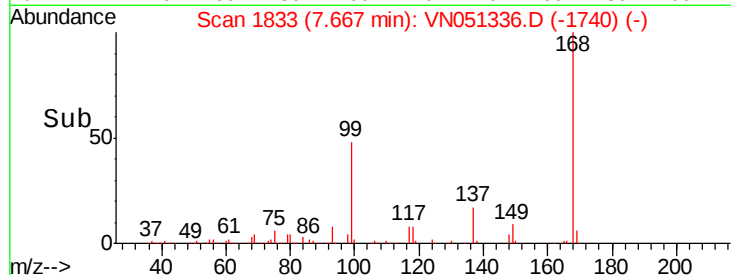
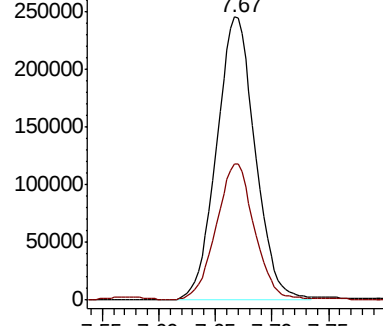
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.166 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051336.D

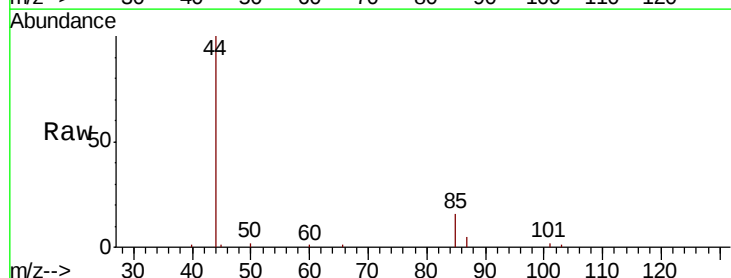
Acq: 20 Sep 2018 13:28

Tgt Ion: 85 Resp: 5661

Ion Ratio Lower Upper

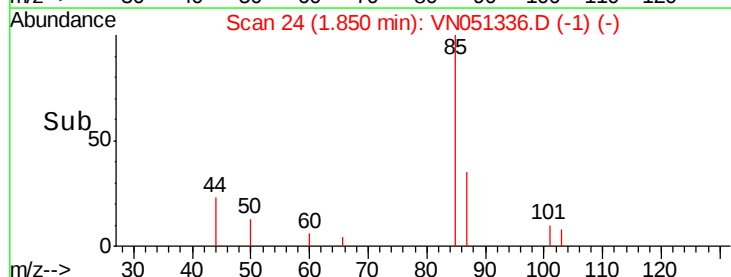
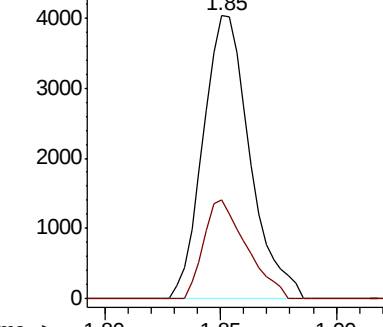
85 100

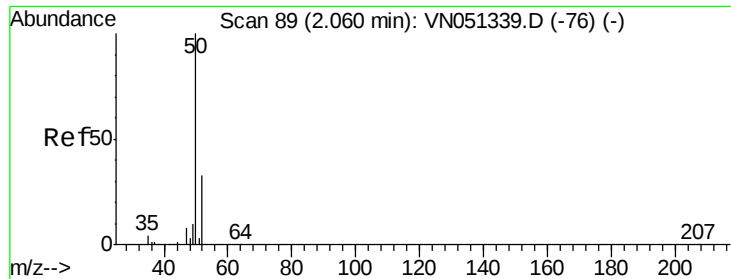
87 34.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.380 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 9507

Ion Ratio Lower Upper

50 100

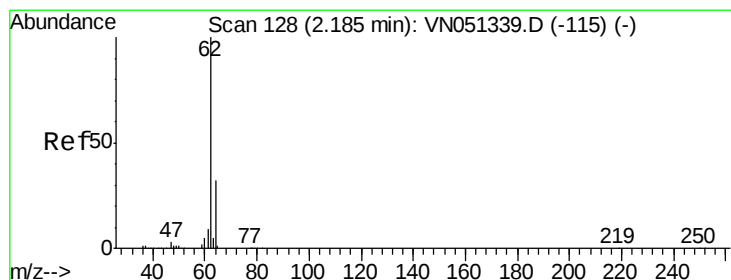
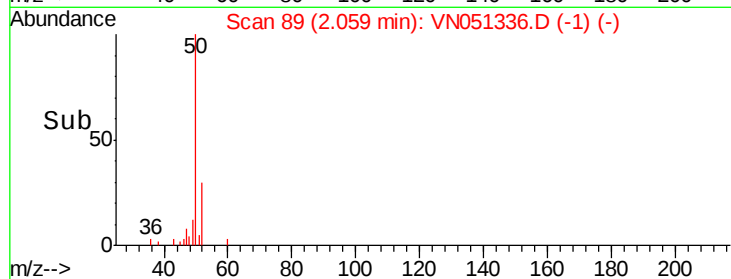
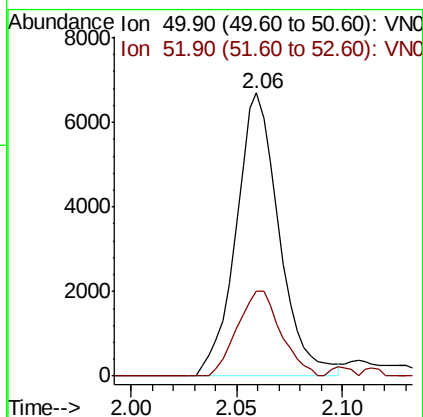
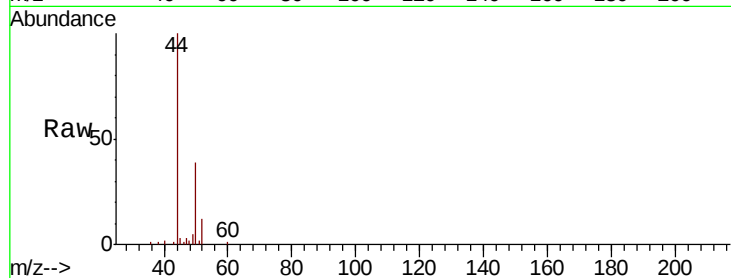
52 30.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.099 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051336.D

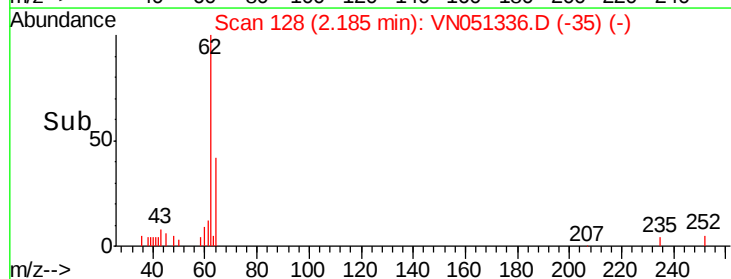
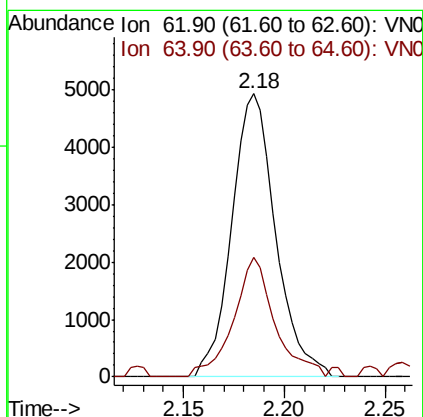
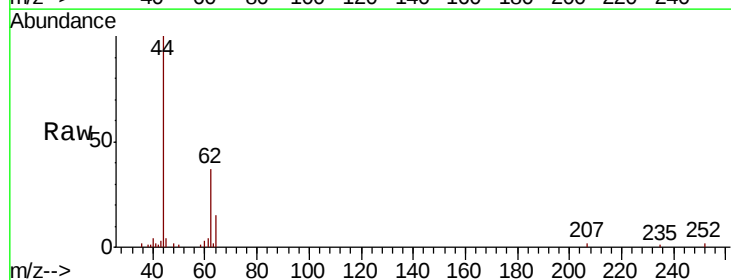
Acq: 20 Sep 2018 13:28

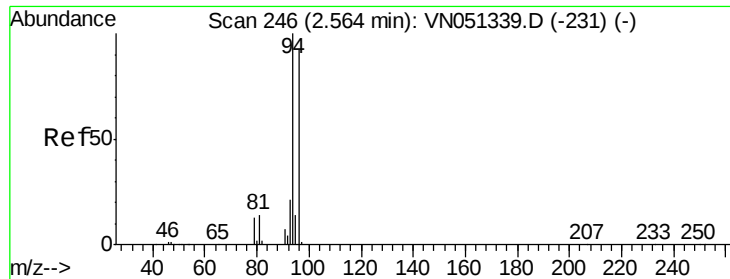
Tgt Ion: 62 Resp: 7521

Ion Ratio Lower Upper

62 100

64 42.4 25.9 38.9#





#5

Bromomethane

Concen: 1.249 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5963

Ion Ratio Lower Upper

94 100

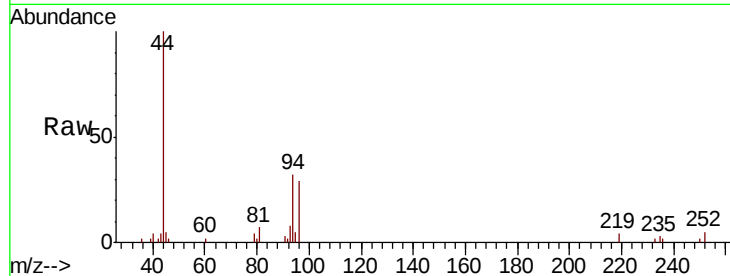
96 90.3 73.8 110.8

Manual Integrations

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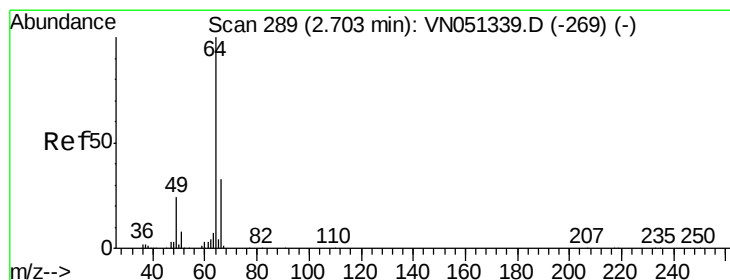
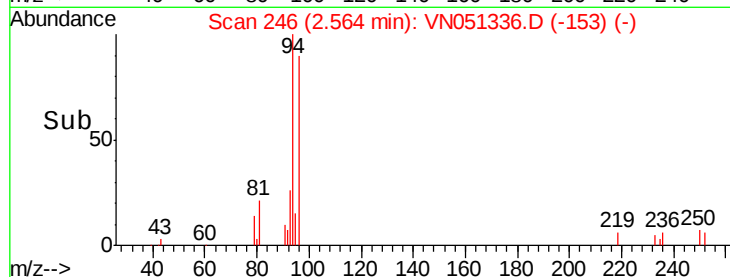
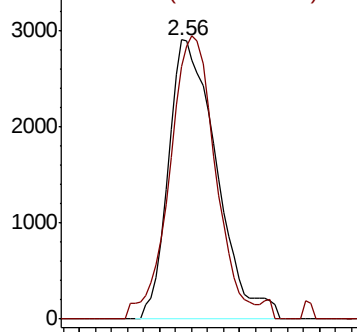
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.100 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051336.D

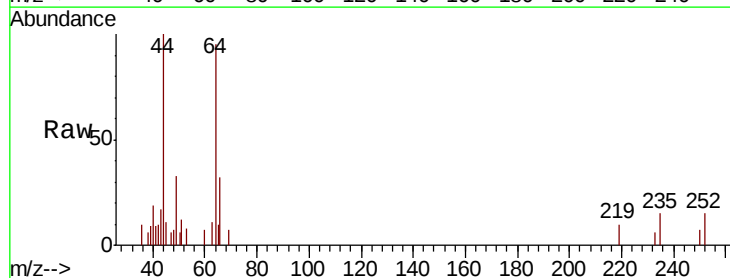
Acq: 20 Sep 2018 13:28

Tgt Ion: 64 Resp: 4629

Ion Ratio Lower Upper

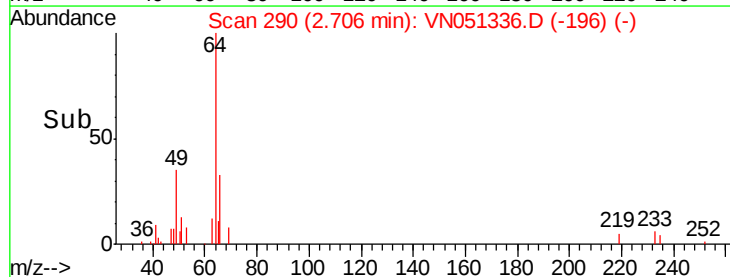
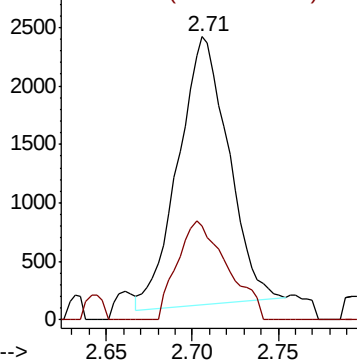
64 100

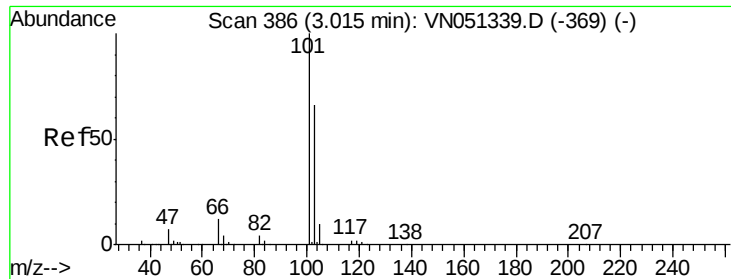
66 36.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

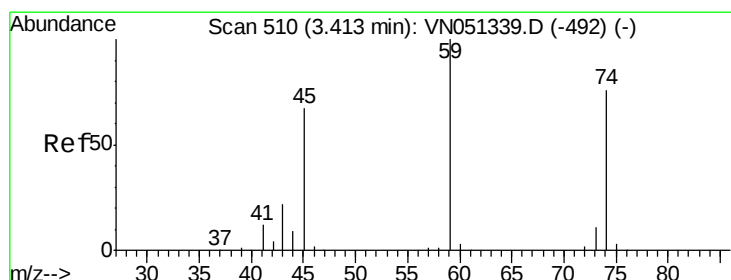
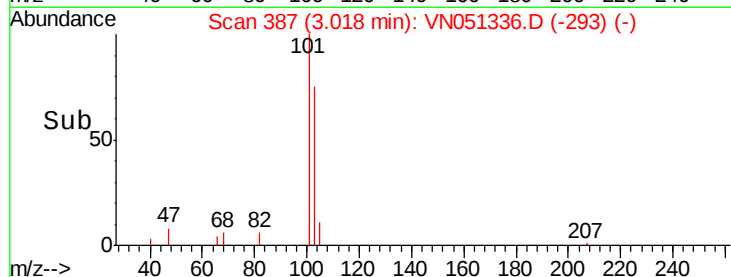
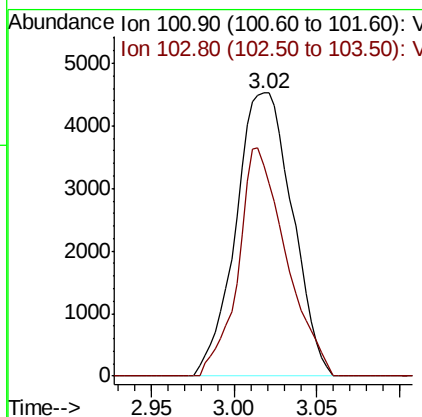
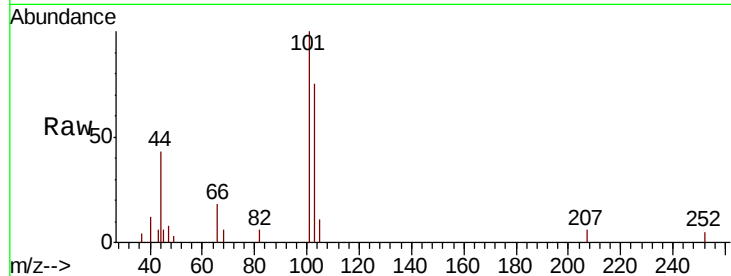
Trichlorofluoromethane
Concen: 1.096 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

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ClientSampleId :
VSTDIC001

Tot Ion: 101 Resp: 10730
Ion Ratio Lower Upper
101 100
103 74.5 52.7 79.1

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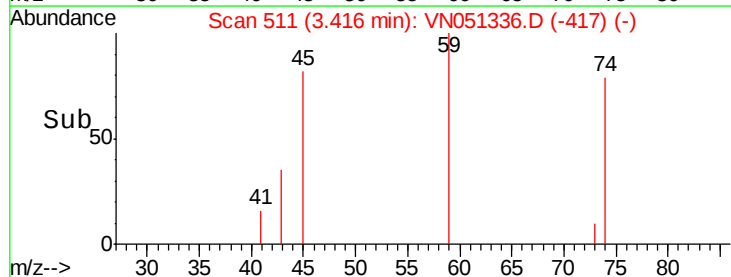
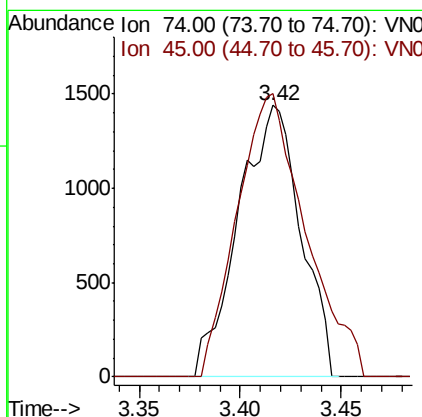
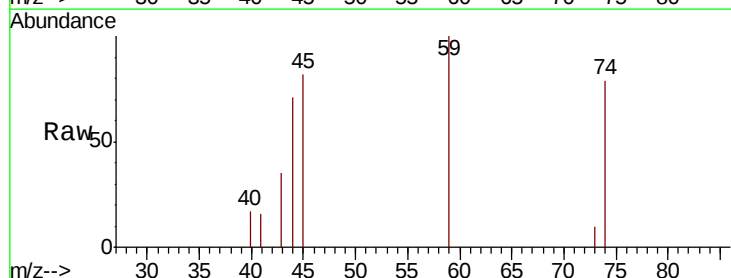
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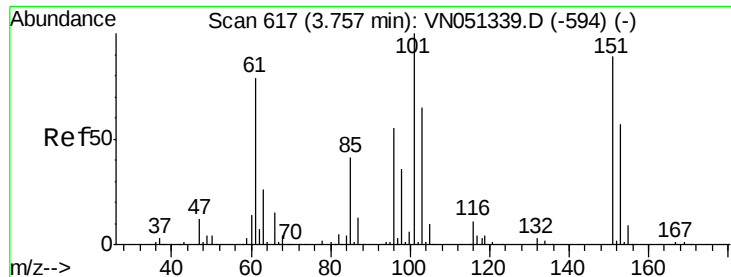


#8

Diethyl Ether
Concen: 0.990 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion: 74 Resp: 3099
Ion Ratio Lower Upper
74 100
45 114.6 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.165 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

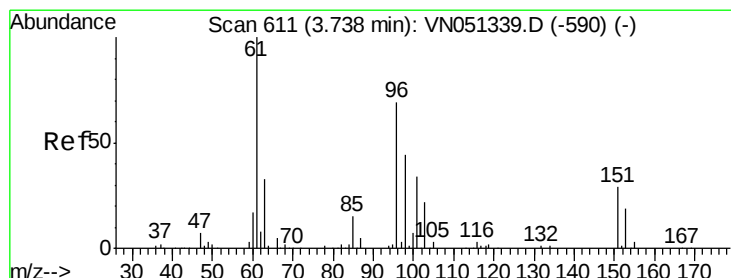
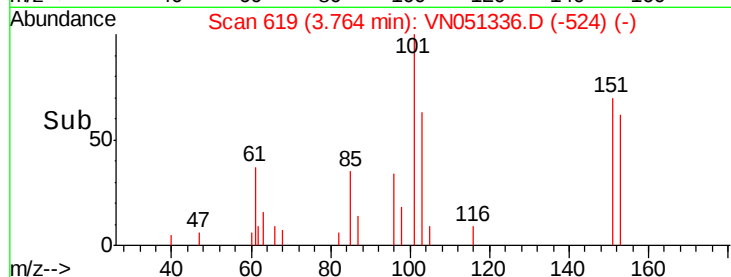
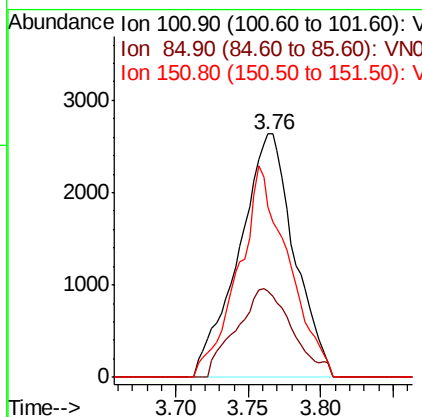
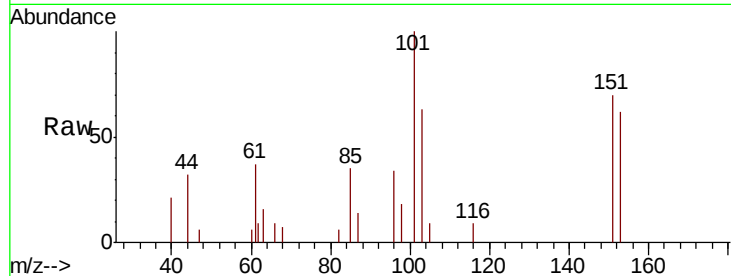
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	6994
Ion	Ratio	Lower	Upper
101	100		
85	36.9	33.4	50.2
151	78.3	71.8	107.6

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#12

1,1-Dichloroethene

Concen: 1.107 ug/l

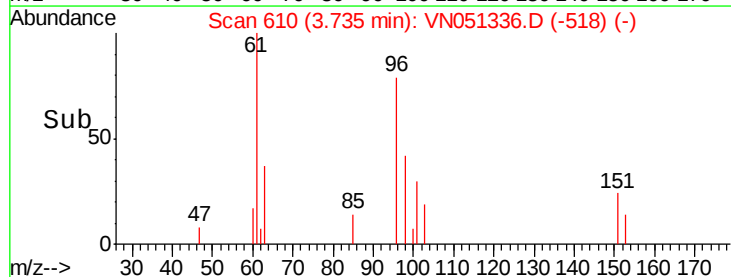
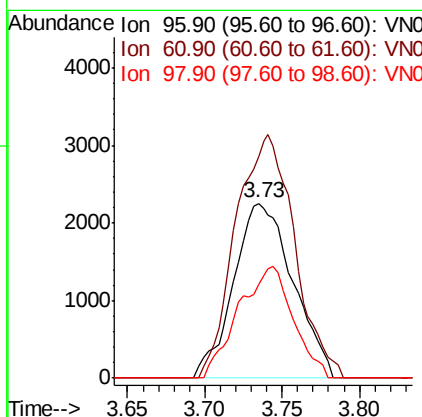
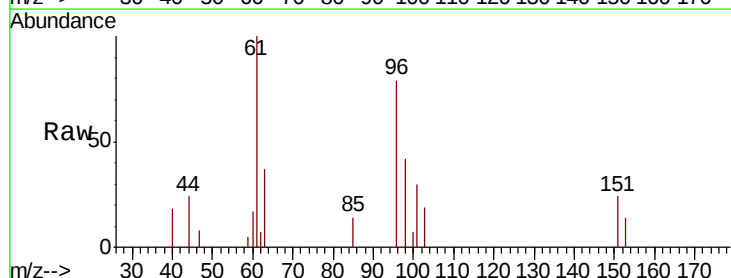
RT: 3.73 min Scan# 610

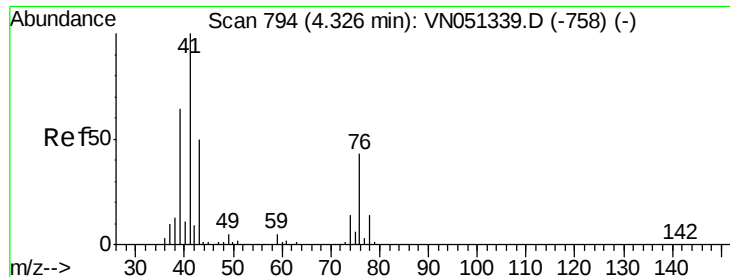
Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Tgt Ion:	96	Resp:	6019
Ion	Ratio	Lower	Upper
96	100		
61	127.3	116.4	174.6
98	53.5	50.9	76.3





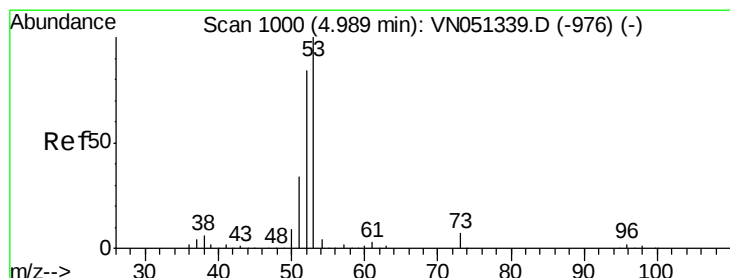
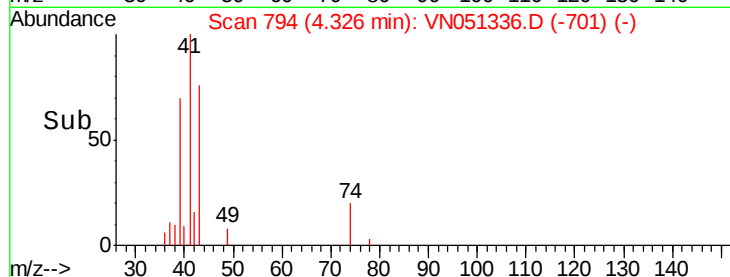
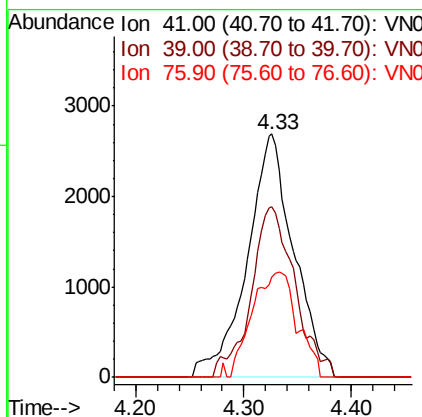
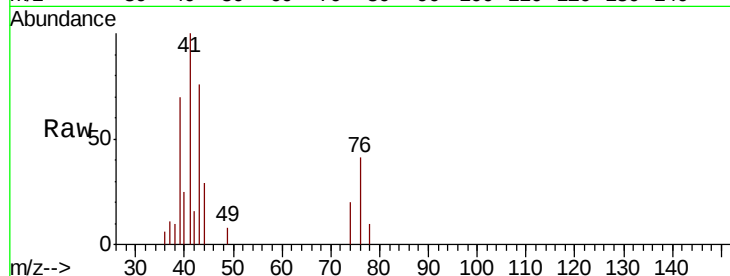
#14
Allvl chloride
Concen: 1.052 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.6	50.4	75.6
76	41.9	32.4	48.6

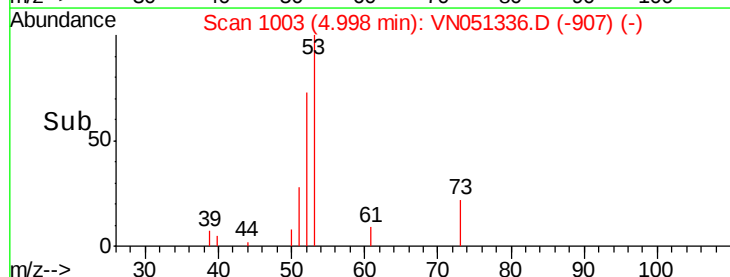
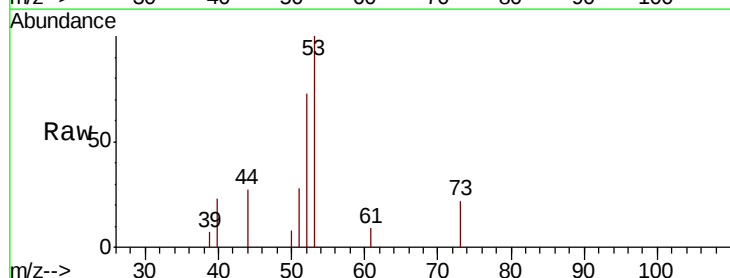
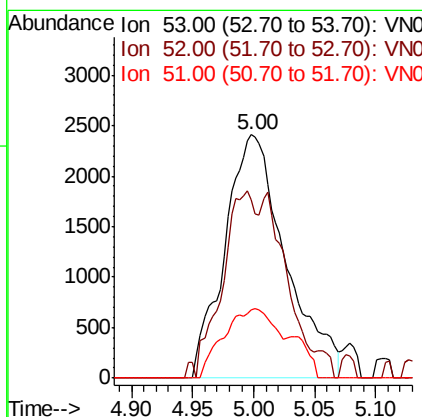
Manual Integrations
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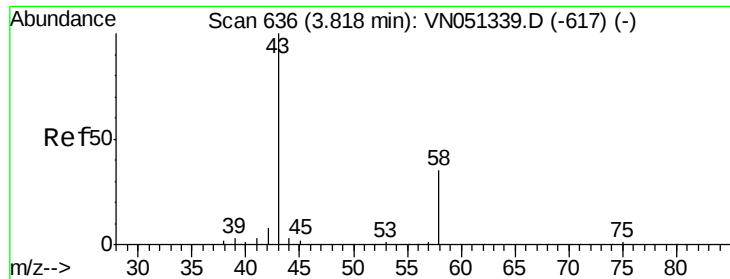
MMDadoda
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#15
Acrylonitrile
Concen: 4.926 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
53	100		
52	45.8	65.4	98.0#
51	25.2	28.3	42.5#





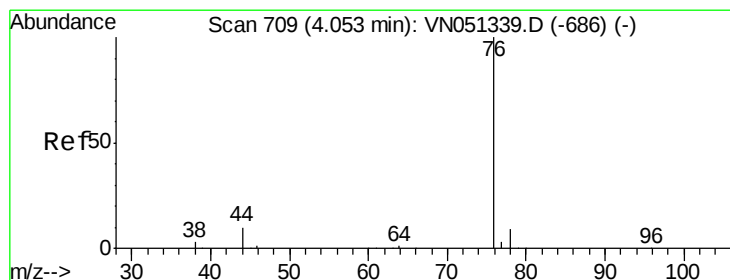
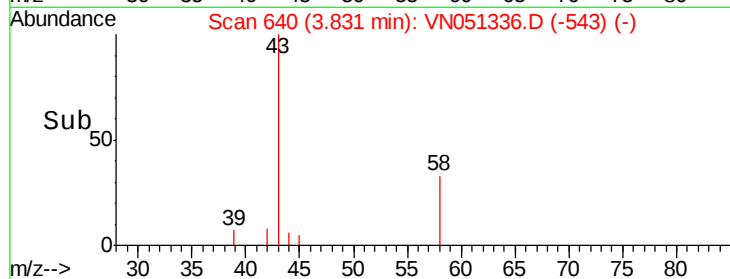
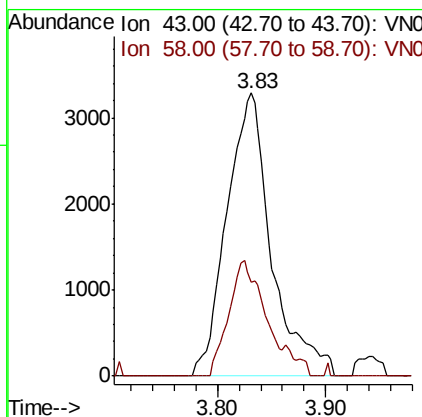
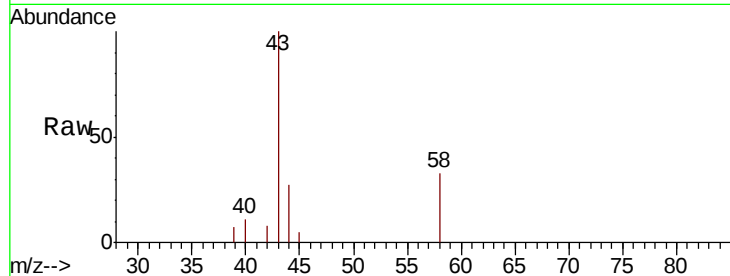
#16
Acetone
Concen: 7.323 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.4	28.3	42.5

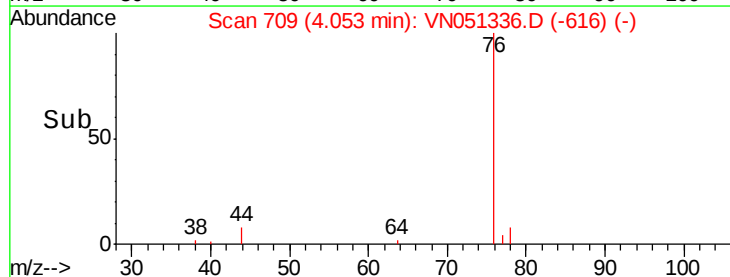
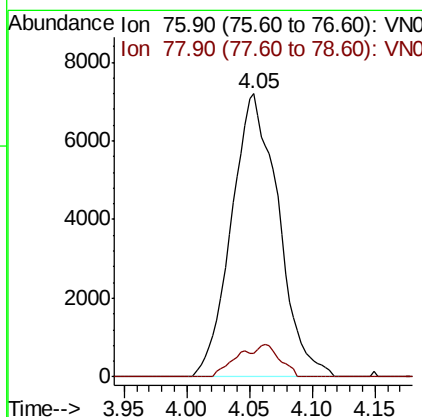
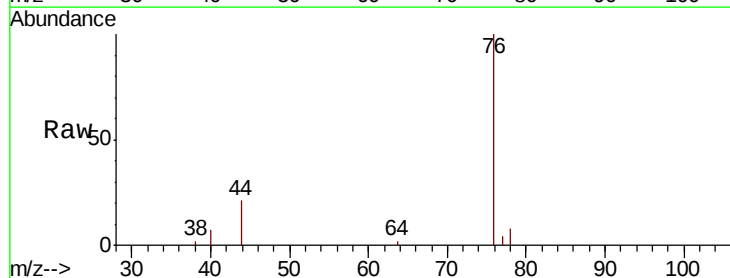
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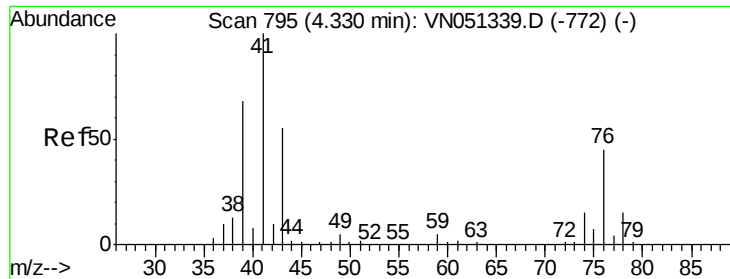
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#17
Carbon Disulfide
Concen: 1.141 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6





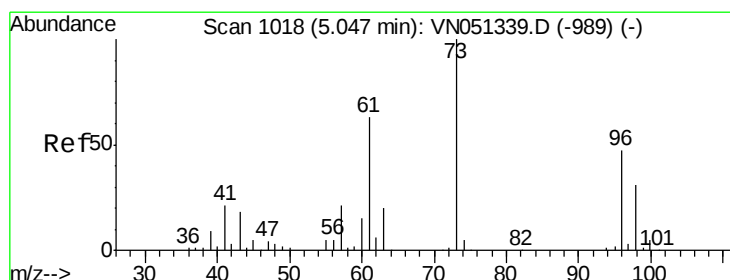
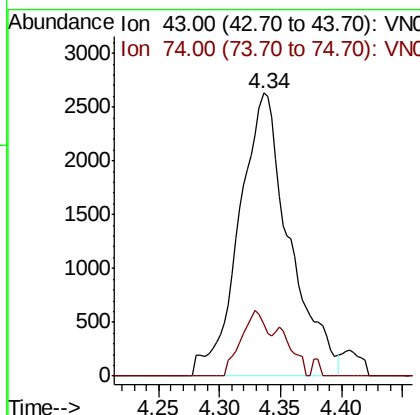
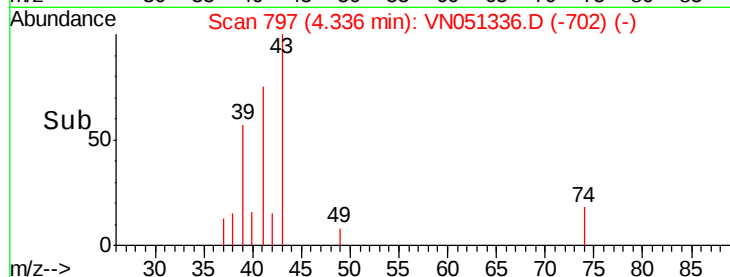
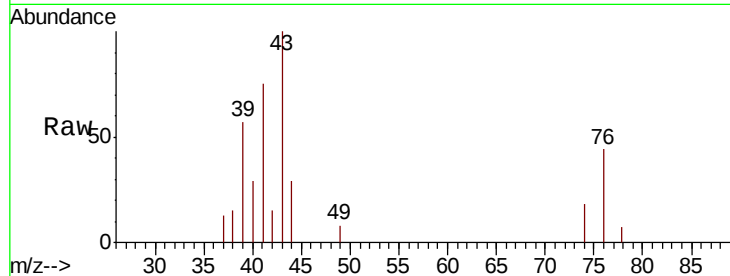
#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7475
Ion Ratio Lower Upper
43 100
74 12.2 21.7 32.5#

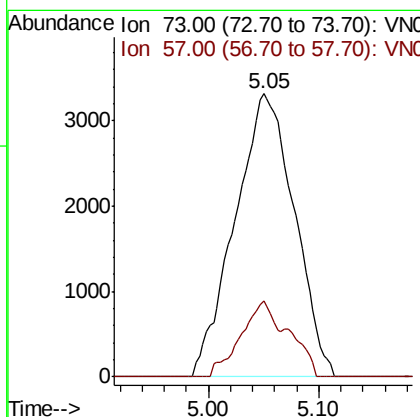
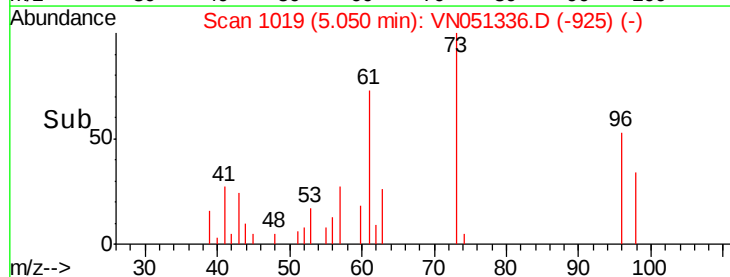
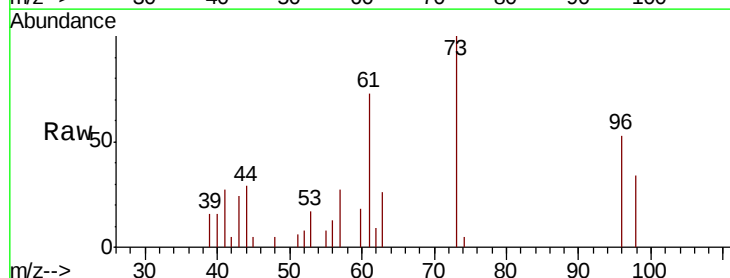
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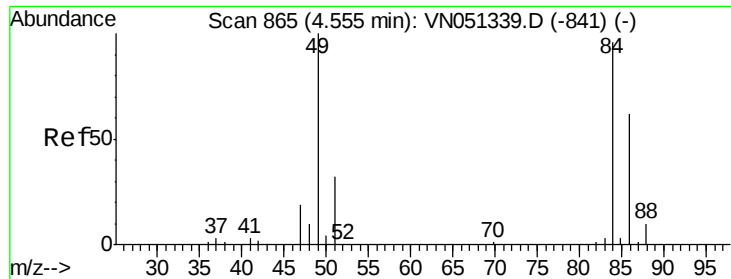
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#19
Methyl tert-butyl Ether
Concen: 0.942 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion: 73 Resp: 12388
Ion Ratio Lower Upper
73 100
57 26.6 16.9 25.3#





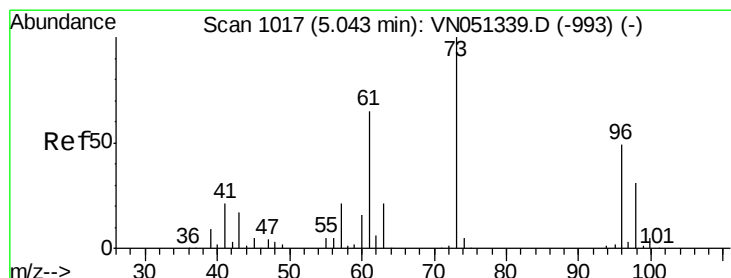
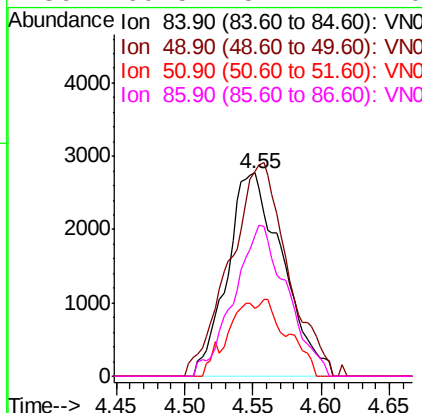
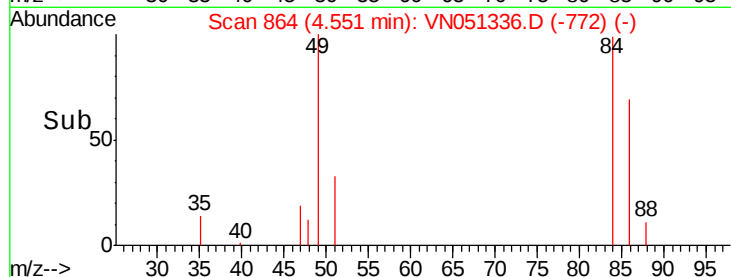
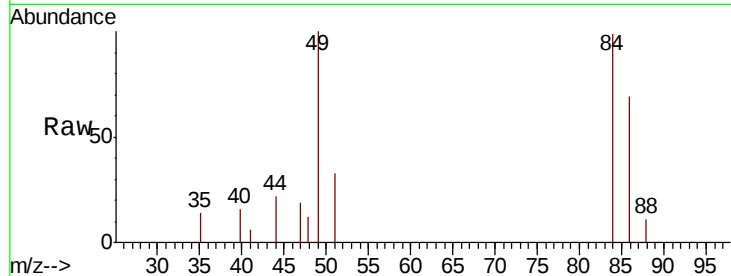
#20
Methvlene Chloride
Concen: 1.206 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	84	Resp	7807
Ion	Ratio	Lower	Upper
84	100		
49	100.5	83.2	124.8
51	33.6	26.4	39.6
86	69.5	51.4	77.0

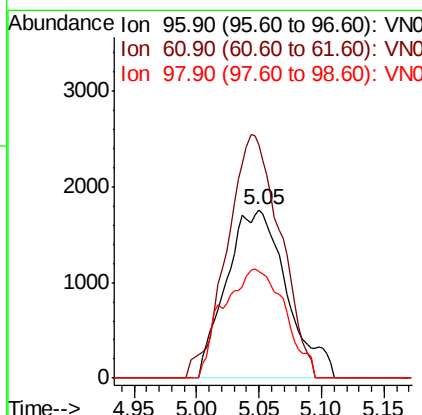
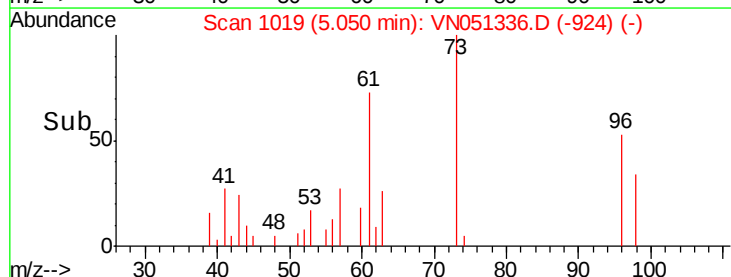
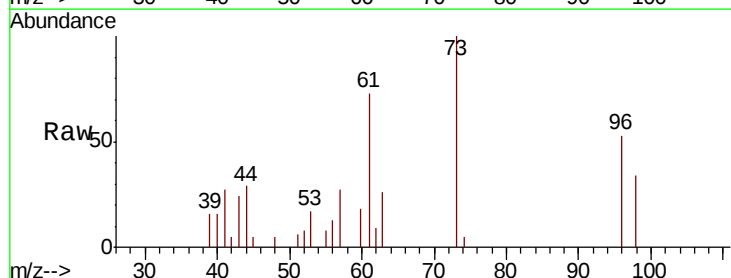
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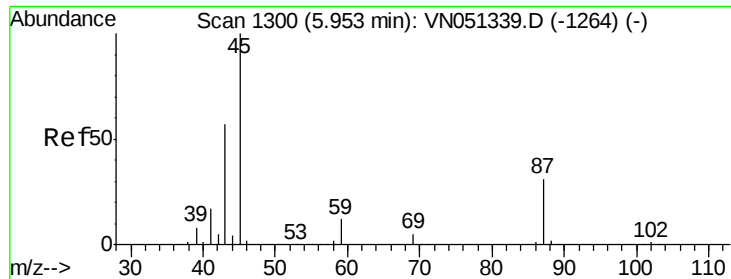
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#21
trans-1,2-Dichloroethene
Concen: 1.026 ug/l m
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	96	Resp	5891
Ion	Ratio	Lower	Upper
96	100		
61	138.3	106.2	159.4
98	63.6	51.0	76.6





#22

Diisopropyl ether

Concen: 0.922 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

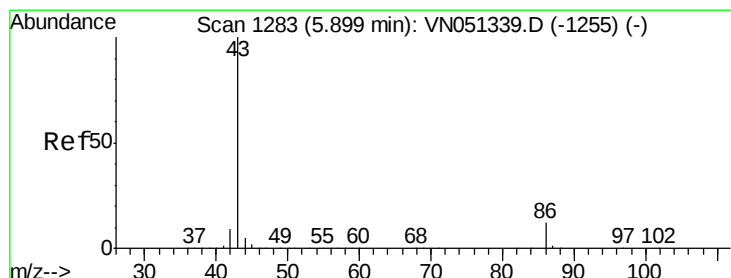
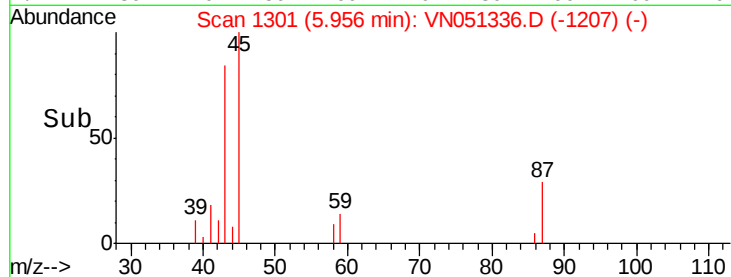
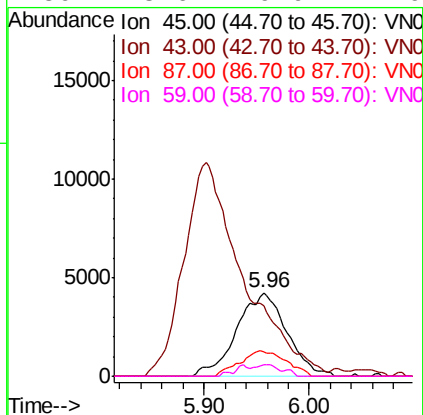
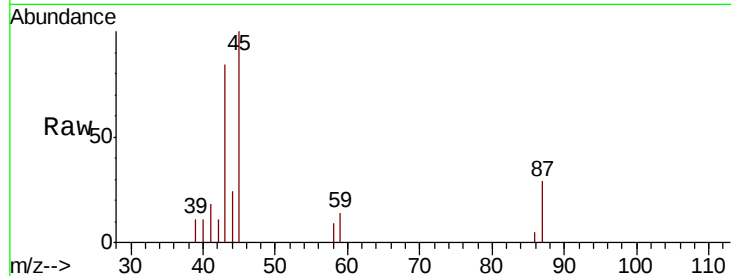
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	13960
Ion	Ratio	Lower	Upper
45	100		
43	74.5	46.1	69.1#
87	29.1	25.6	38.4
59	13.6	9.9	14.9

Manual Integrations
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#23

Vinyl Acetate

Concen: 4.338 ug/l

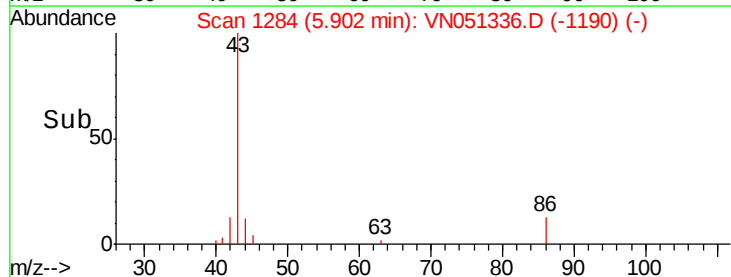
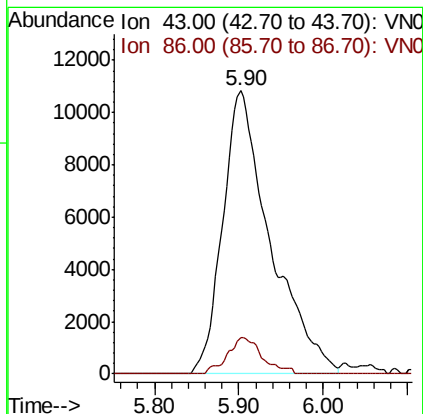
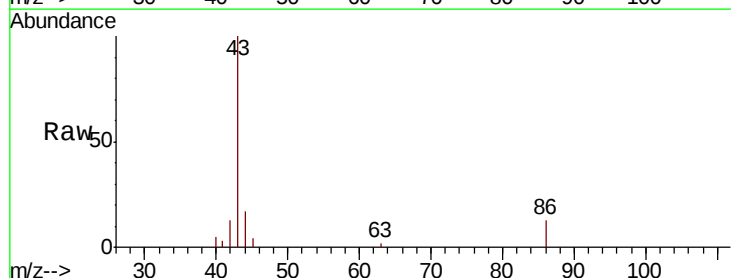
RT: 5.90 min Scan# 1284

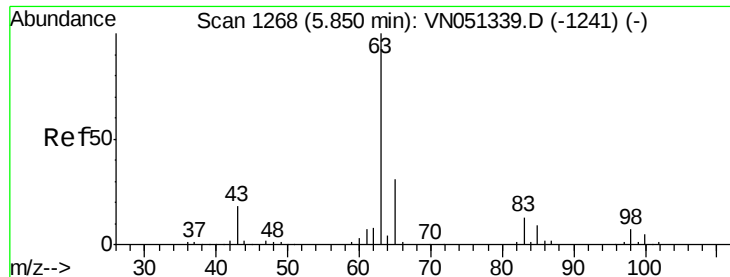
Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Tgt Ion:	43	Resp:	42464
Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.8	14.6





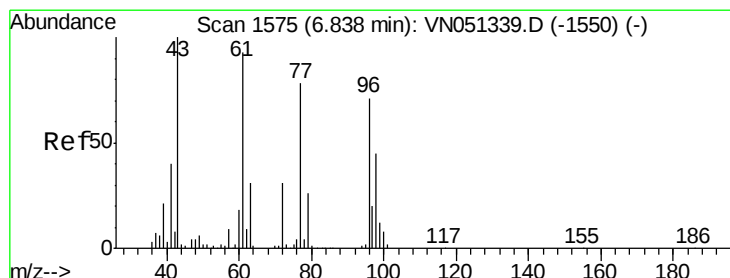
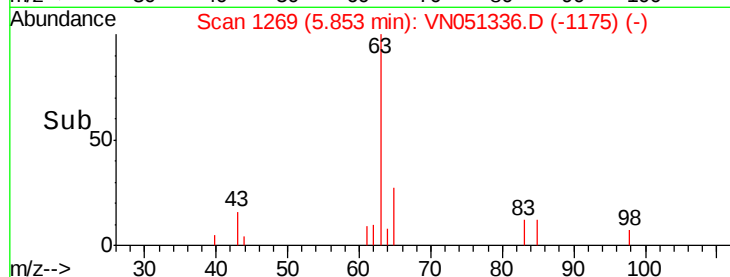
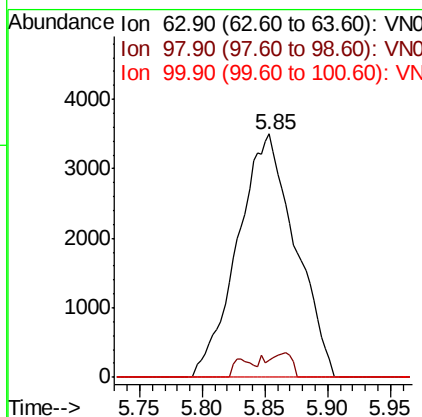
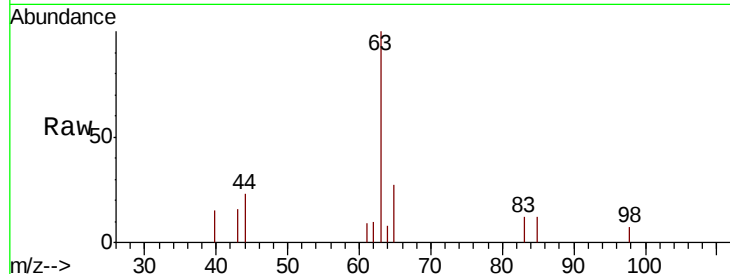
#24
 1,1-Dichloroethane
 Concen: 1.088 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	11228		
98	6.9		3.4	10.2
100	0.0		2.3	6.9#

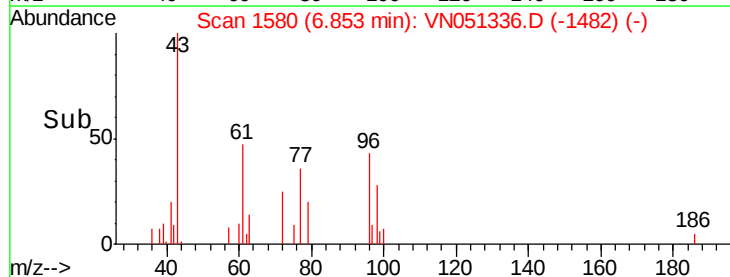
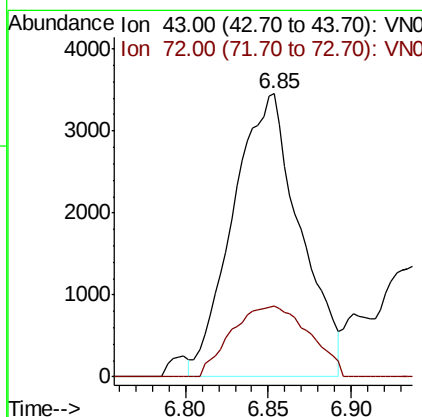
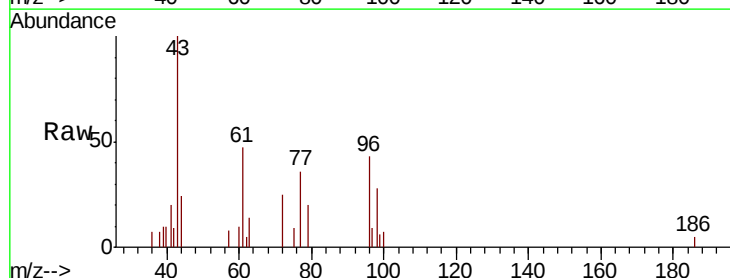
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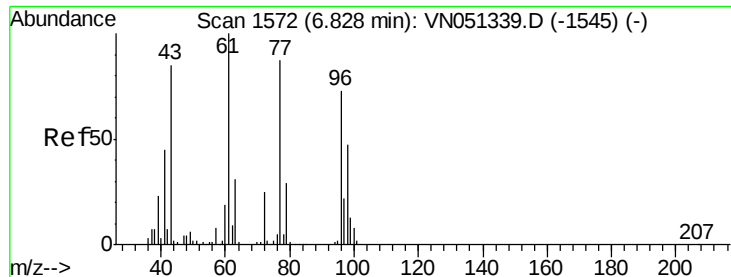
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#25
 2-Butanone
 Concen: 5.408 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9732		
72	26.6		24.7	37.1





#26

2,2-Dichloropropane

Concen: 1.109 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 9454

Ion Ratio Lower Upper

77 100

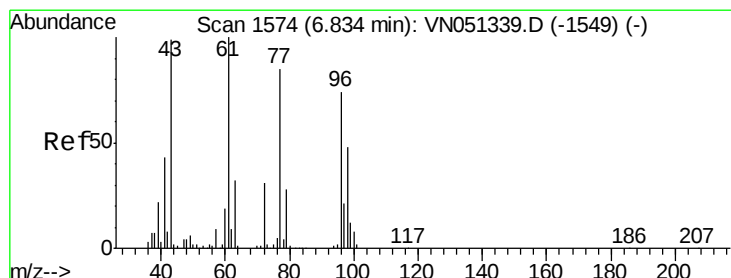
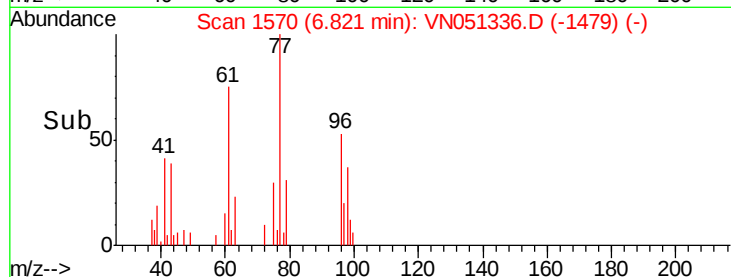
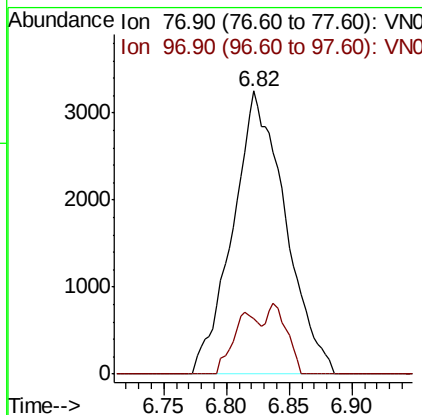
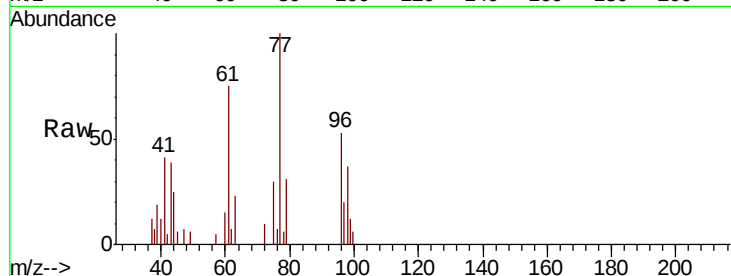
97 11.0 12.2 36.6#

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#27

cis-1,2-Dichloroethene

Concen: 1.015 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

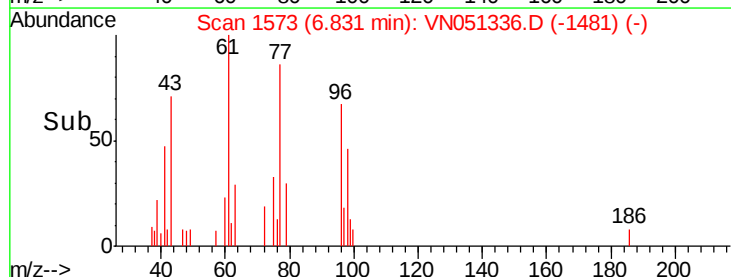
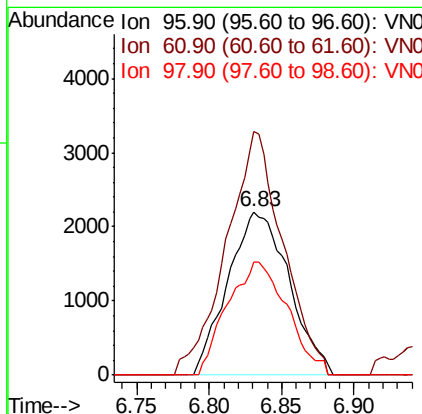
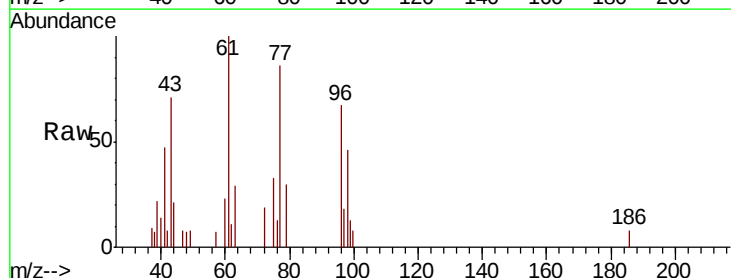
Tgt Ion: 96 Resp: 6456

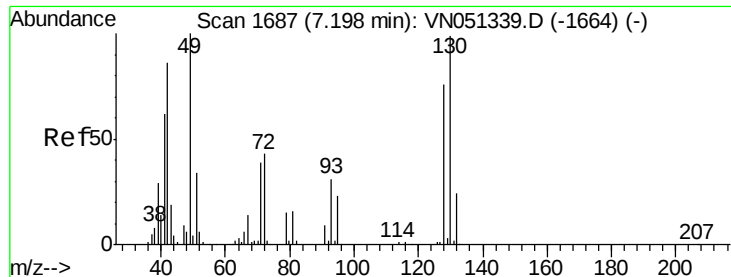
Ion Ratio Lower Upper

96 100

61 137.4 0.0 271.2

98 67.5 0.0 131.2





#28

Bromochloromethane

Concen: 0.953 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

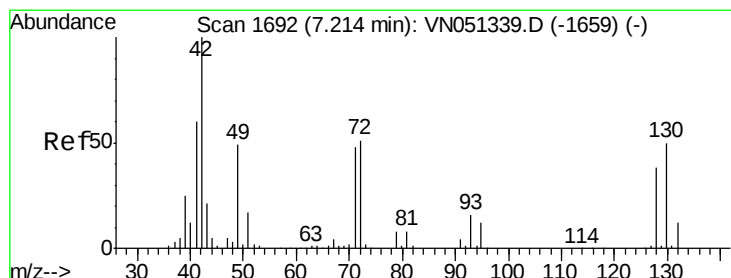
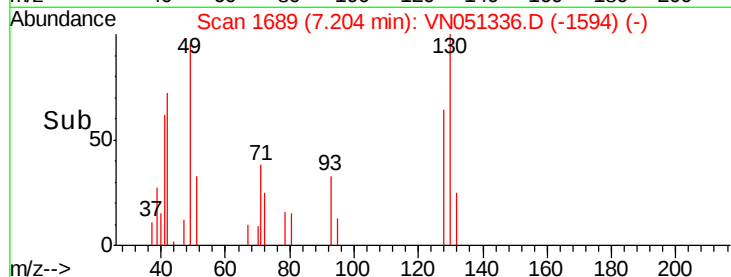
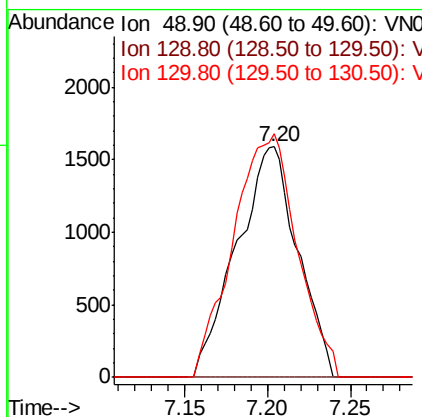
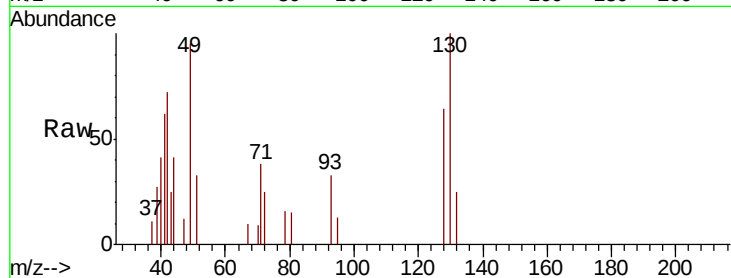
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
49	100			
129	0.0	0.0	4.0	
130	110.7	77.4	116.2	

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#29

Tetrahydrofuran

Concen: 5.066 ug/l

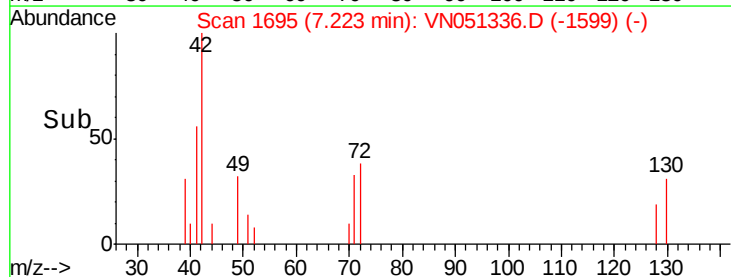
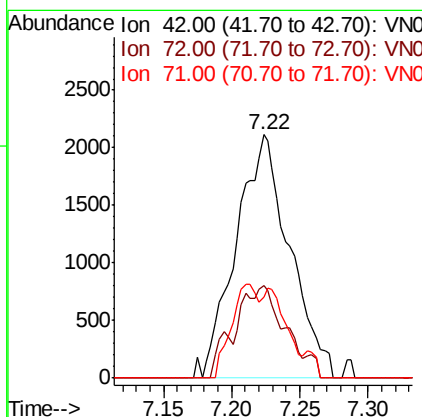
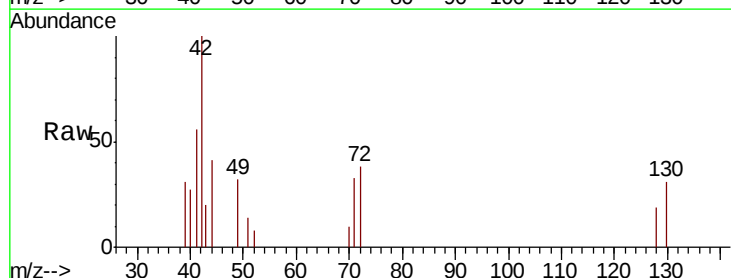
RT: 7.22 min Scan# 1695

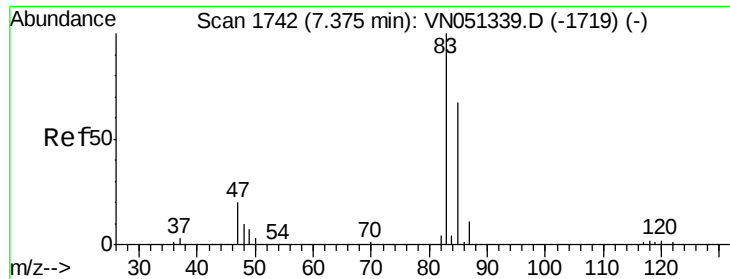
Delta R.T. 0.01 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
72	31.0	39.0	58.4#	
71	19.3	36.5	54.7#	





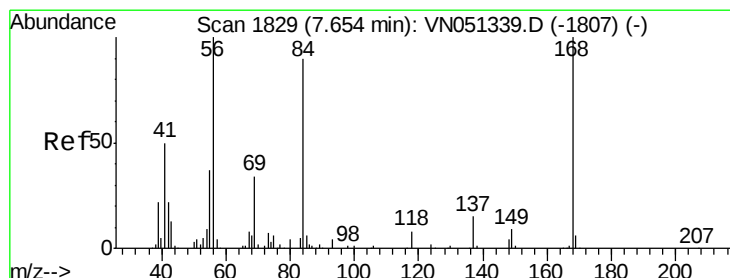
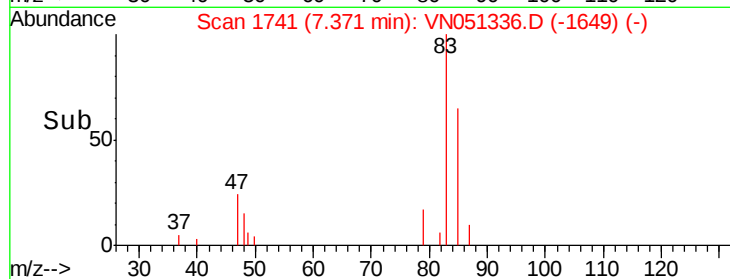
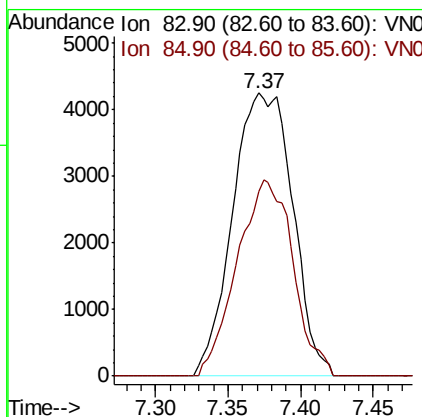
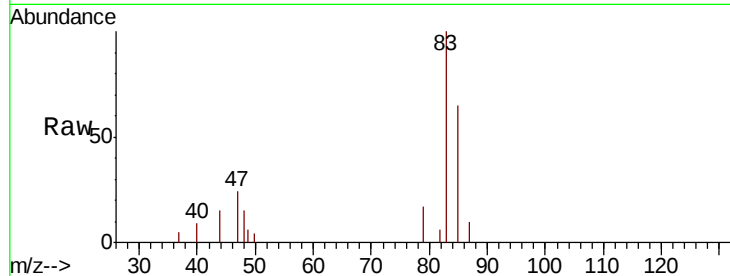
#30
Chloroform
Concen: 1.126 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	12211
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	53.2	79.8

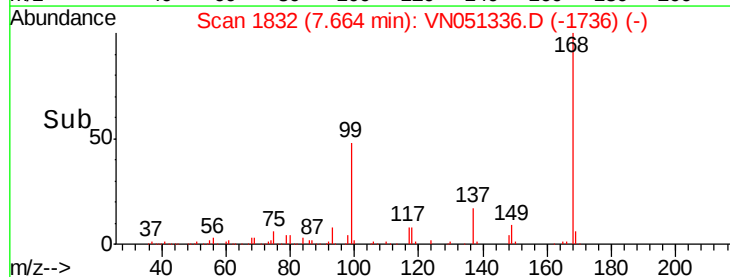
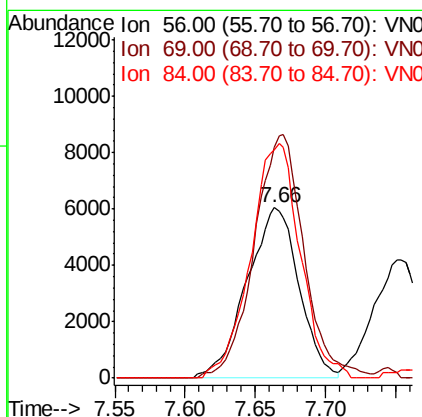
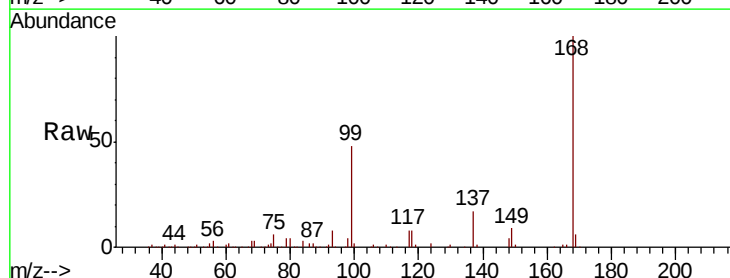
Manual Integrations
APPROVED

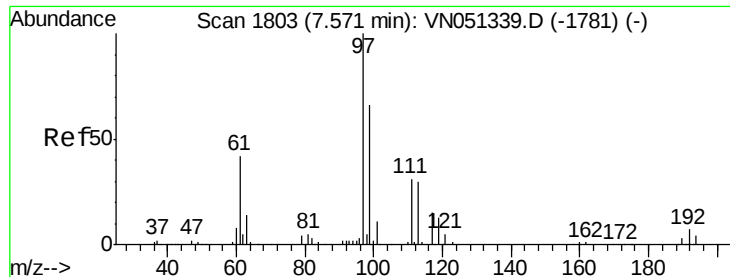
MMDadoda
9/24/2018 2:48:07 PM



#31
Cyclohexane
Concen: 1.536 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	56	Resp	15592
Ion Ratio	100	Lower	Upper
56	100		
69	135.2	27.3	40.9#
84	133.9	72.2	108.2#





#32

1,1,1-Trichloroethane

Concen: 1.077 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

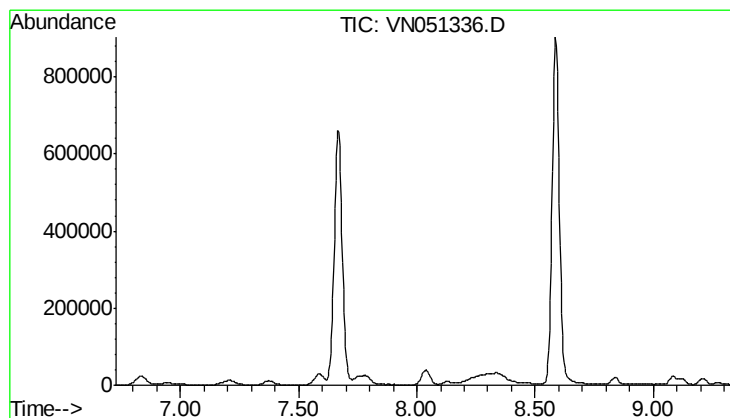
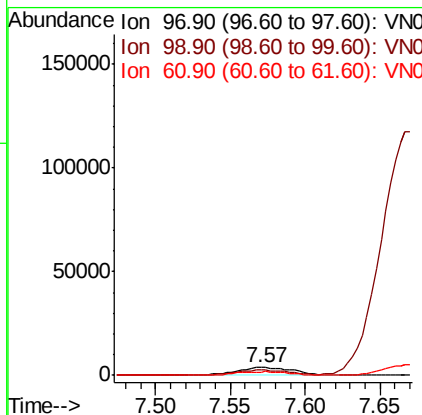
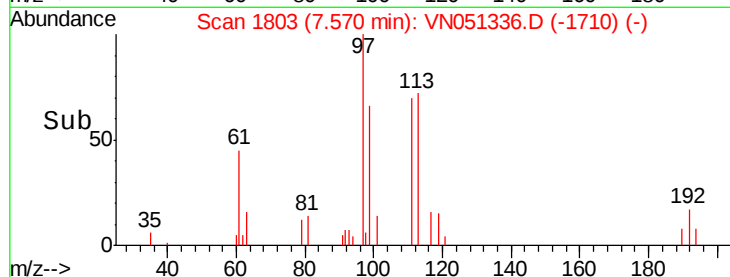
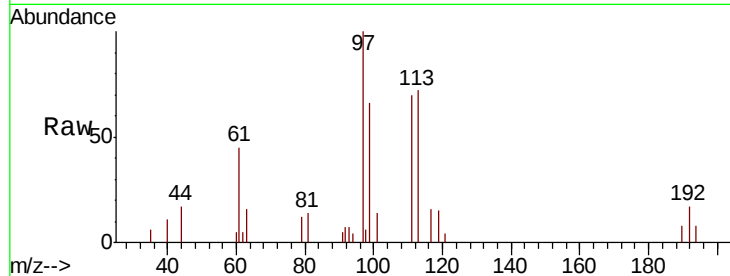
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	10061
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.1	76.7#
61	44.4	33.2	49.8

Manual Integrations
APPROVED

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN051336.D

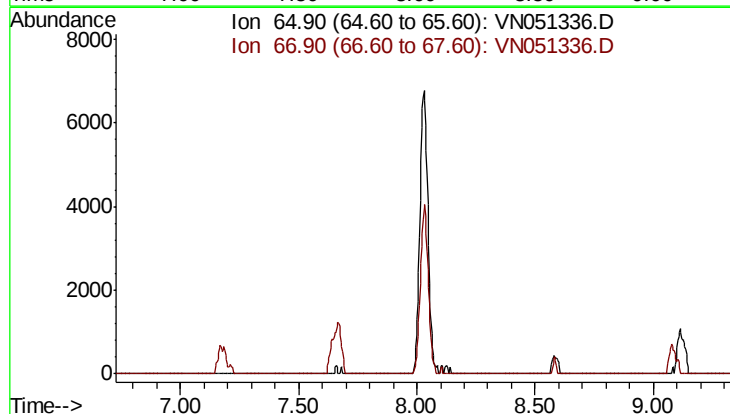
Acq: 20 Sep 2018 13:28

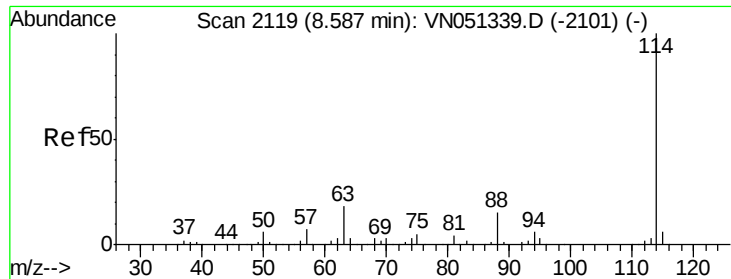
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.4





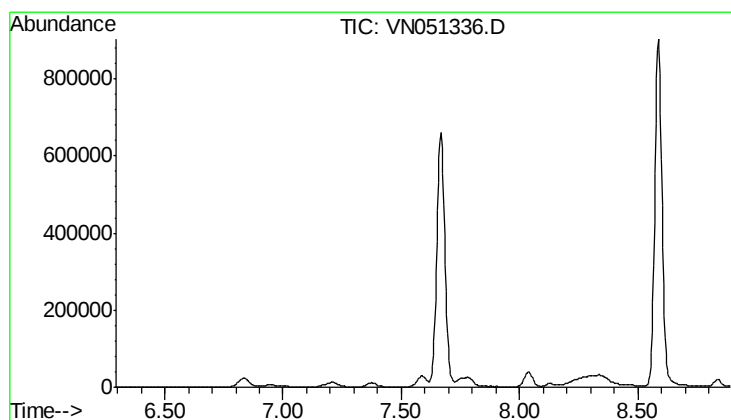
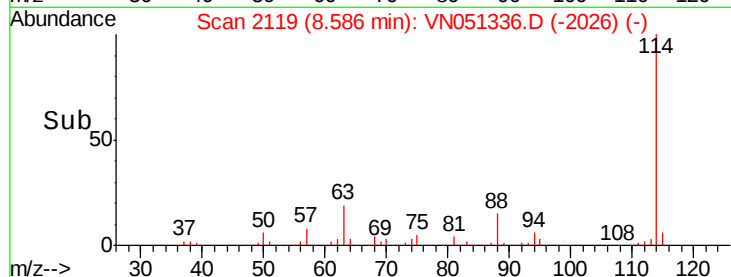
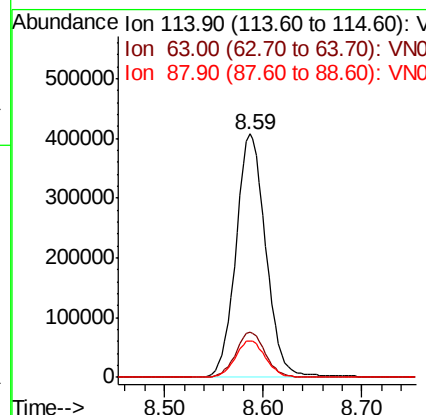
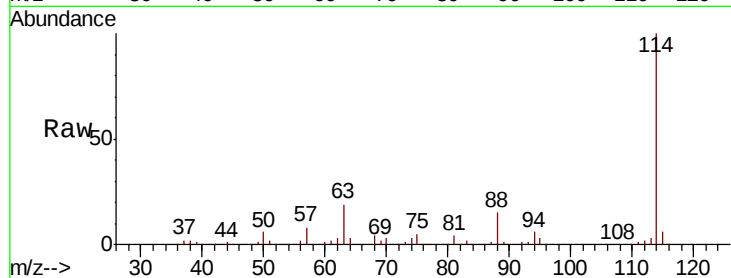
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.8	0.0	36.6
88	15.1	0.0	29.8

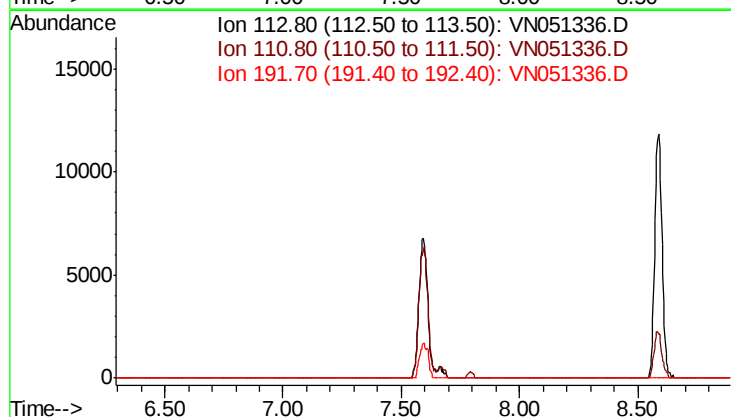
Manual Integrations
 APPROVED

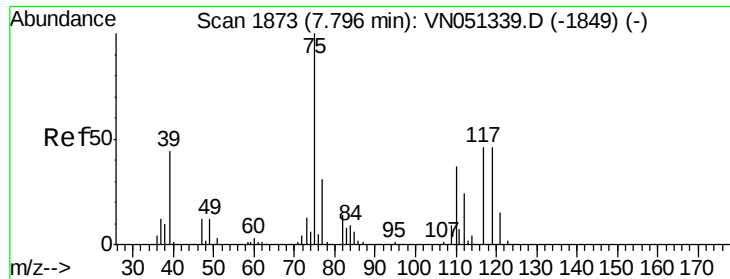
MMDadoda
 9/24/2018 2:48:07 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Exp Ratio
113	100
111	102.4
192	24.7





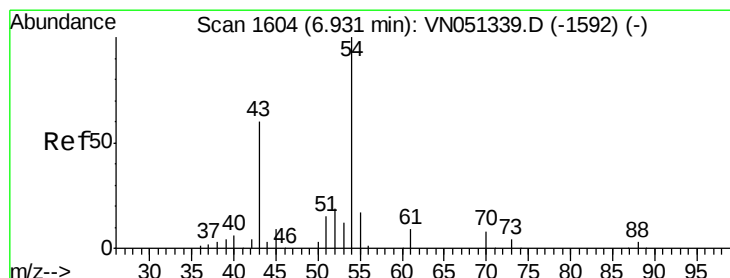
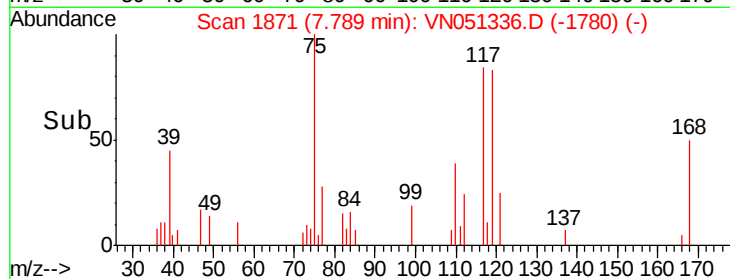
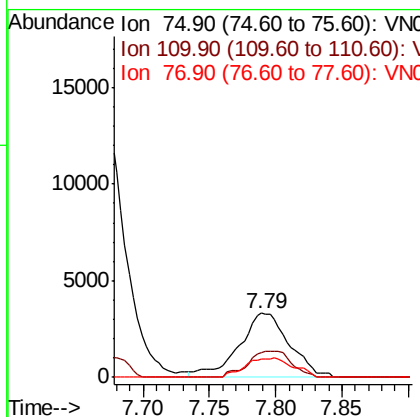
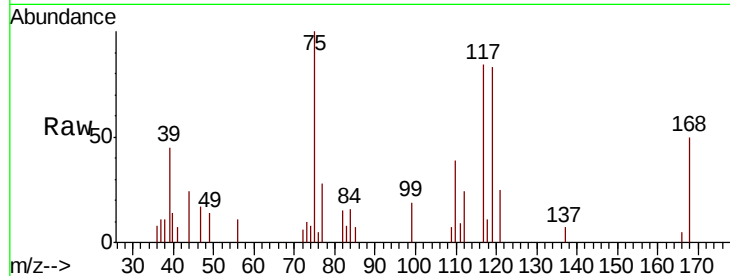
#36
 1,1-Dichloropropene
 Concen: 1.007 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.9	56.5
77	27.8	25.4	38.2

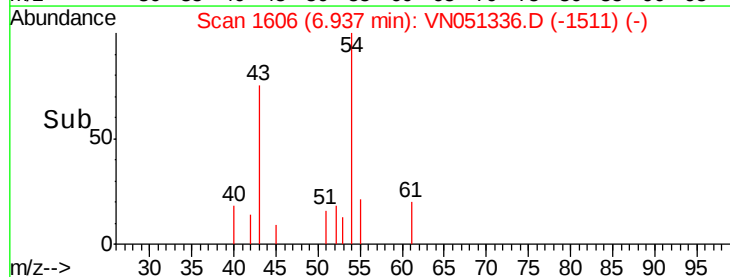
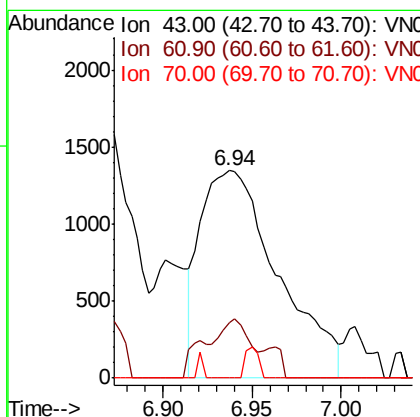
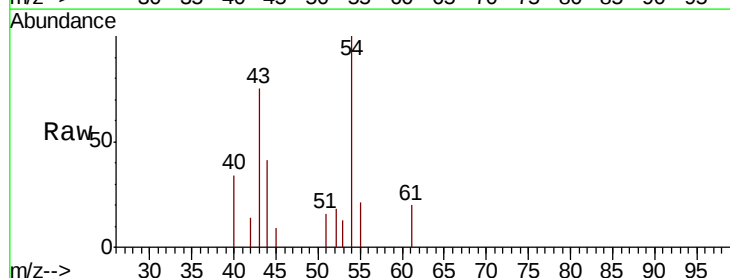
Manual Integrations
 APPROVED

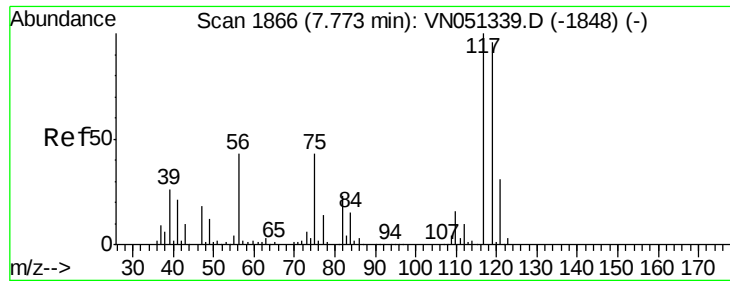
MMDadoda
 9/24/2018 2:48:07 PM



#37
 Ethyl Acetate
 Concen: 0.933 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.6	20.4#
70	2.6	9.4	14.2#





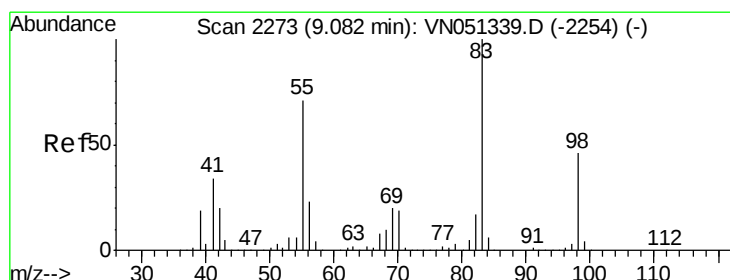
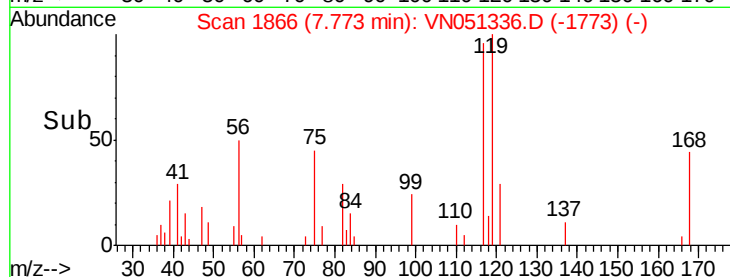
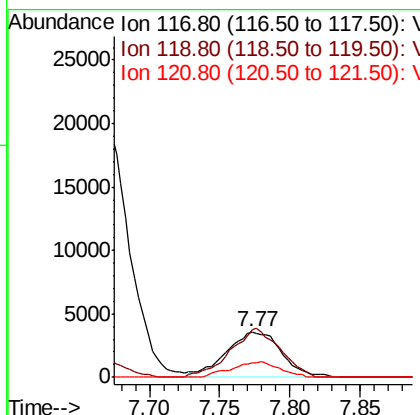
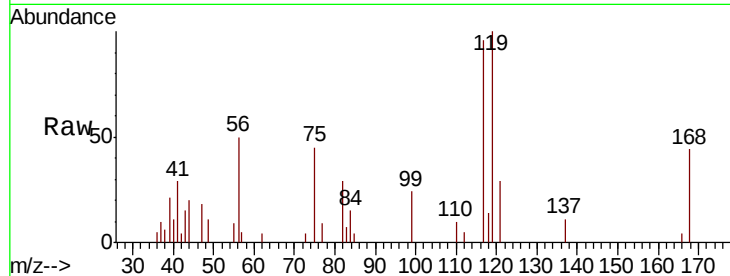
#38
Carbon Tetrachloride
Concen: 1.036 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	104.3	77.0	115.4
121	30.7	25.0	37.4

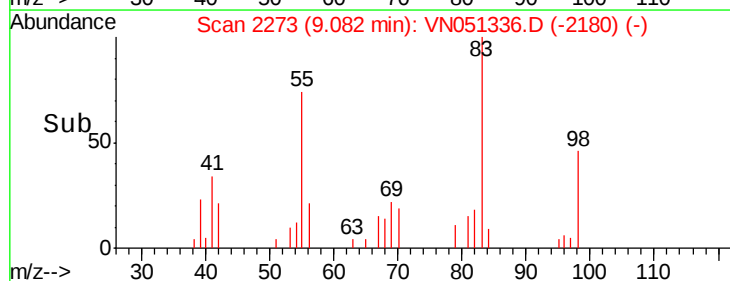
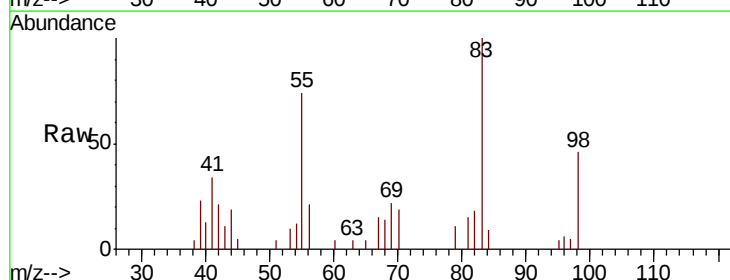
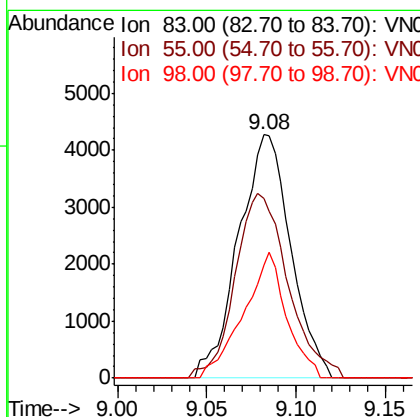
Manual Integrations
APPROVED

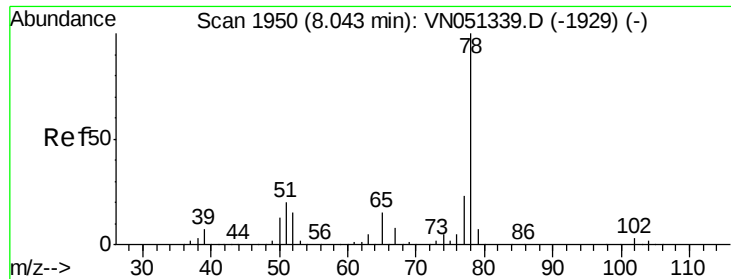
MMDadoda
9/24/2018 2:48:07 PM



#39
Methylcyclohexane
Concen: 0.848 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.8	56.5	84.7
98	46.4	36.7	55.1





#40

Benzene

Concen: 0.966 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 2555

Ion Ratio Lower Upper

78 100

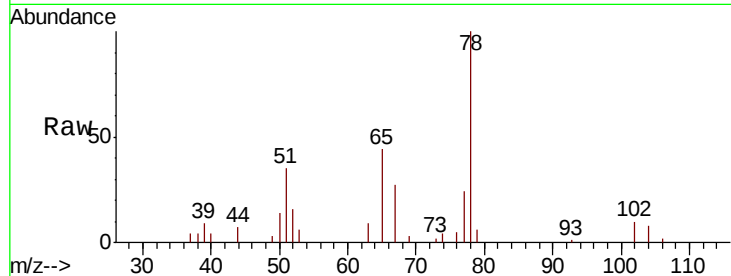
77 24.2 18.5 27.7

Manual Integrations

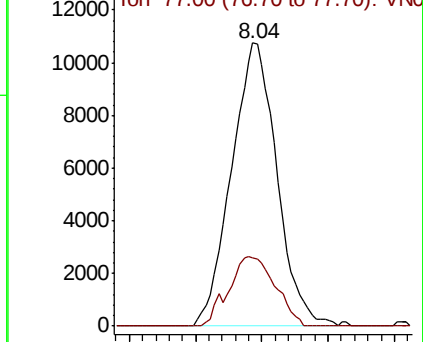
APPROVED

MMDadoda

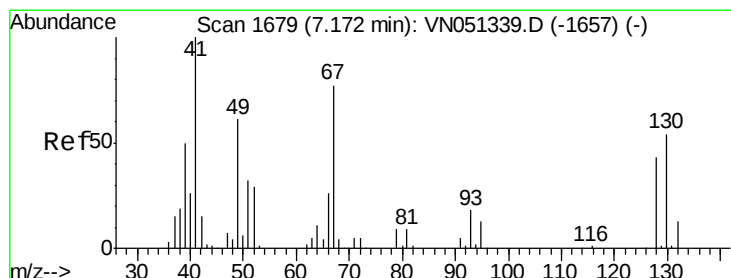
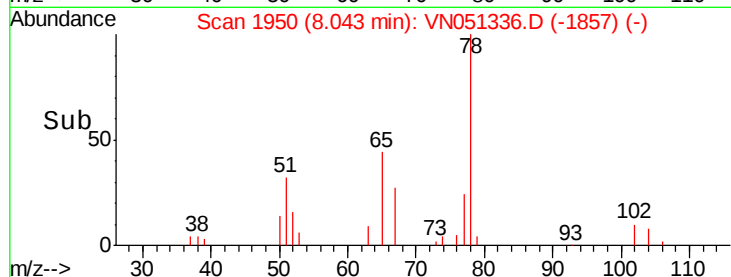
9/24/2018 2:48:07 PM



Abundance Ion 78.00 (77.70 to 78.70): VN051339.D (-1929) (-)



Time-->



#41

Methacrylonitrile

Concen: 0.946 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.02 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Tgt Ion: 41 Resp: 2142

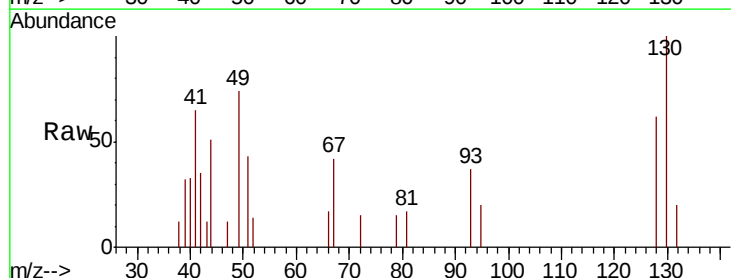
Ion Ratio Lower Upper

41 100

39 32.8 51.3 76.9#

67 0.0 77.0 115.4#

52 6.1 30.4 45.6#

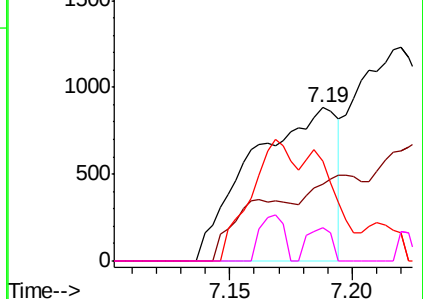


Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-1657) (-)

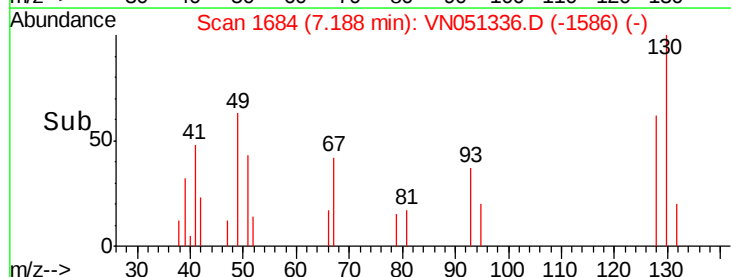
Ion 39.00 (38.70 to 39.70): VN051339.D (-1657) (-)

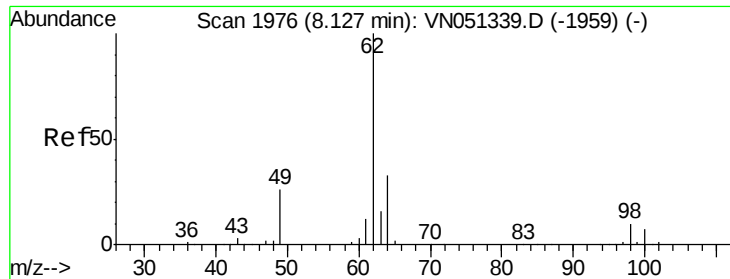
Ion 67.00 (66.70 to 67.70): VN051339.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN051339.D (-1657) (-)



Time-->





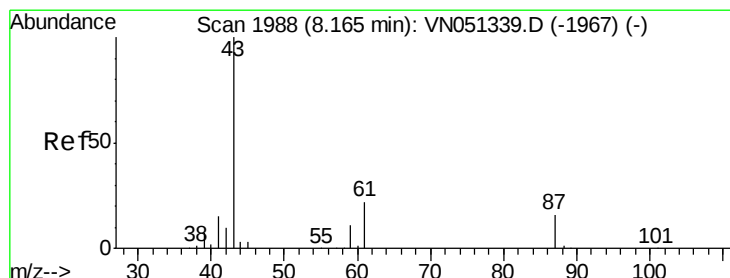
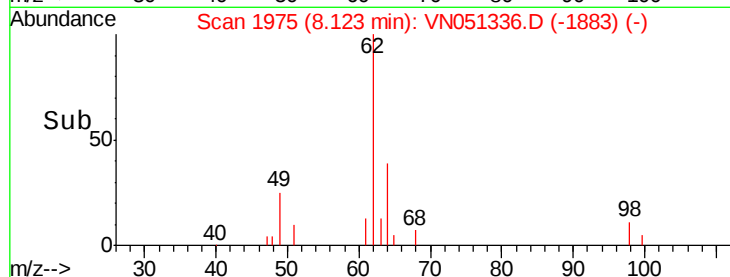
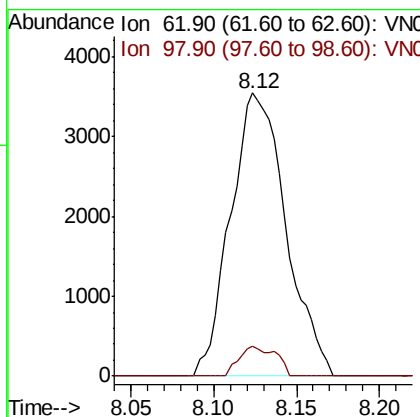
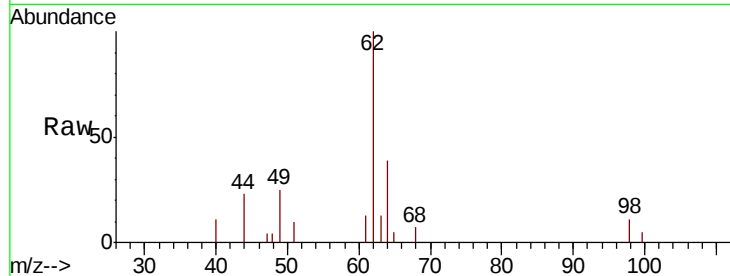
#42
 1,2-Dichloroethane
 Concen: 1.030 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	20.6

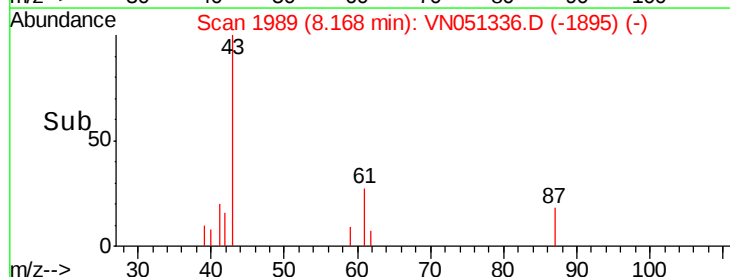
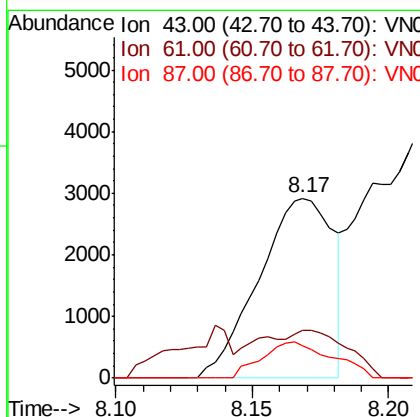
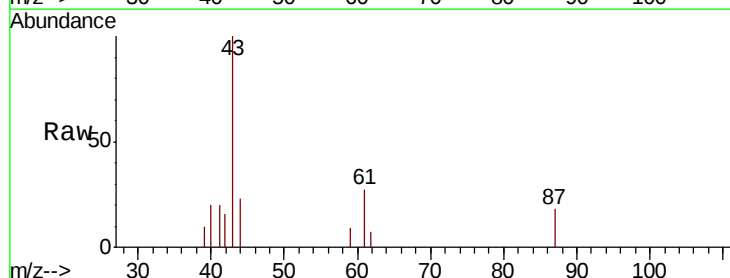
Manual Integrations
 APPROVED

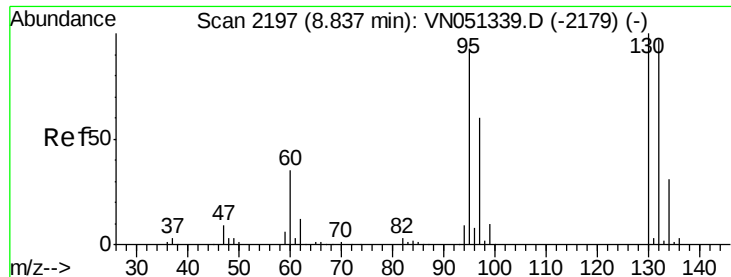
MMDadoda
 9/24/2018 2:48:07 PM



#43
 Isopropyl Acetate
 Concen: 0.727 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	18.1	27.1
87	19.1	12.8	19.2





#44

Trichloroethene

Concen: 1.003 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 7621

Ion Ratio Lower Upper

130 100

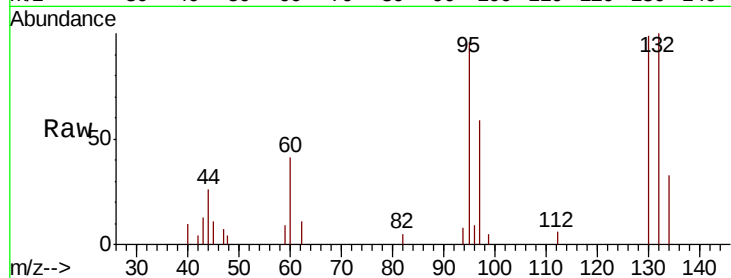
95 97.0 0.0 185.6

Manual Integrations

APPROVED

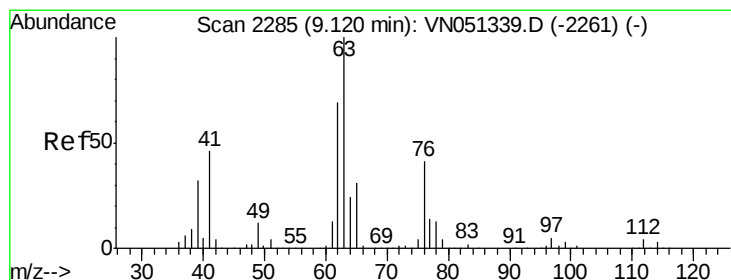
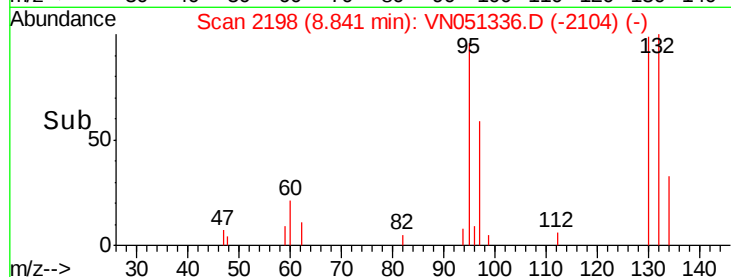
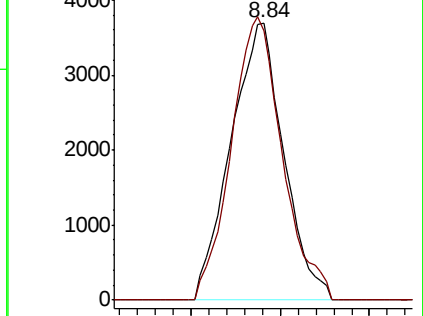
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.963 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051336.D

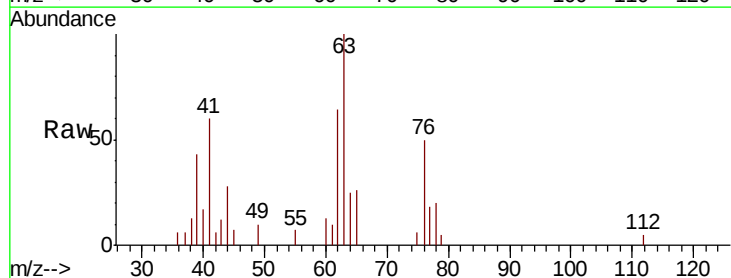
Acq: 20 Sep 2018 13:28

Tgt Ion: 63 Resp: 6524

Ion Ratio Lower Upper

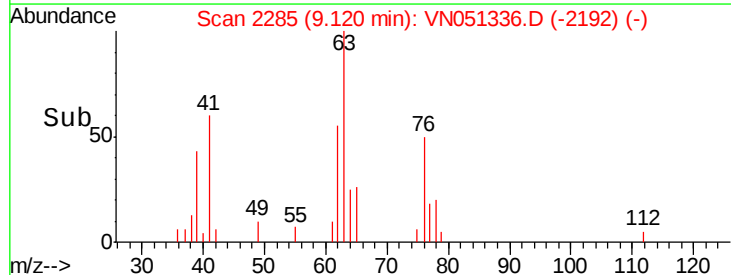
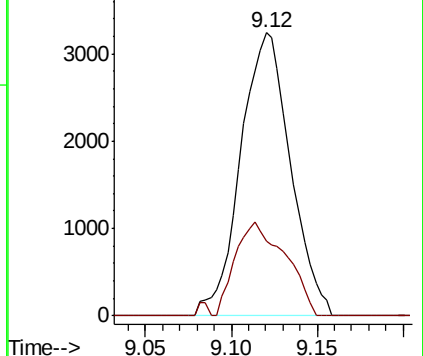
63 100

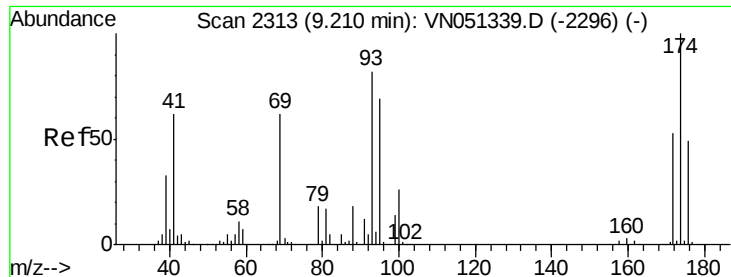
65 26.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





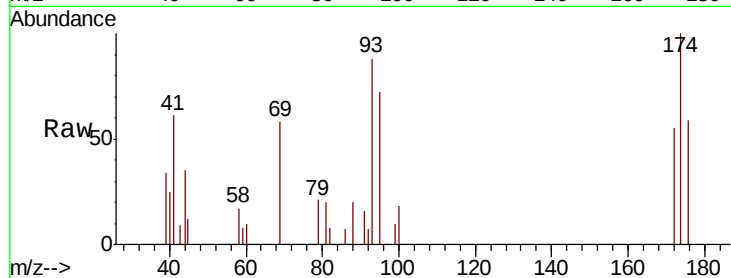
#46
Dibromomethane
Concen: 1.005 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	93	Resp	4197
Ion	Ratio	Lower	Upper
93	100		
95	80.9	67.6	101.4
174	113.8	98.9	148.3

Manual Integrations
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9/24/2018 2:48:07 PM

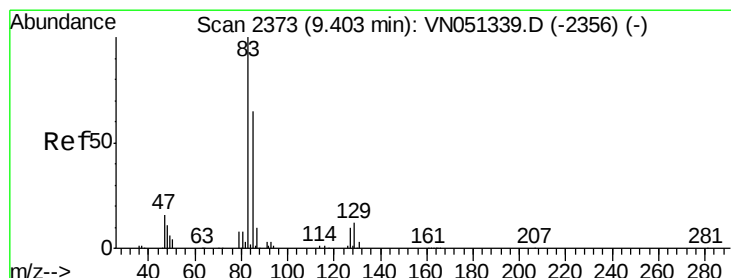
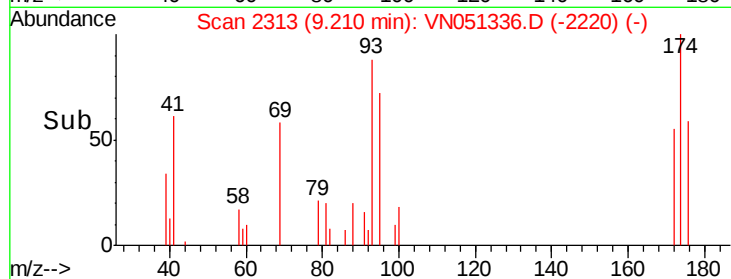
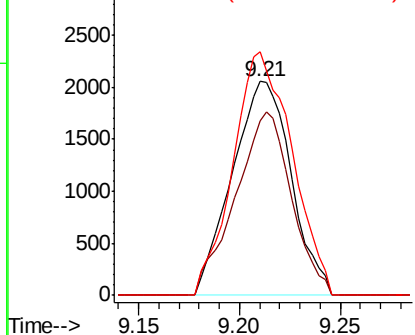


Abundance

Ion 92.80 (92.50 to 93.50): VN051336.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN051336.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN051336.D (-2220) (-)



#47
Bromodichloromethane
Concen: 1.019 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

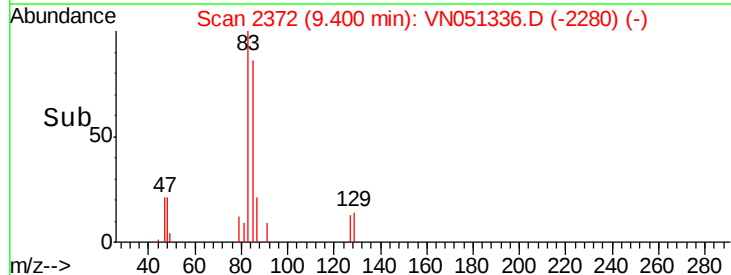
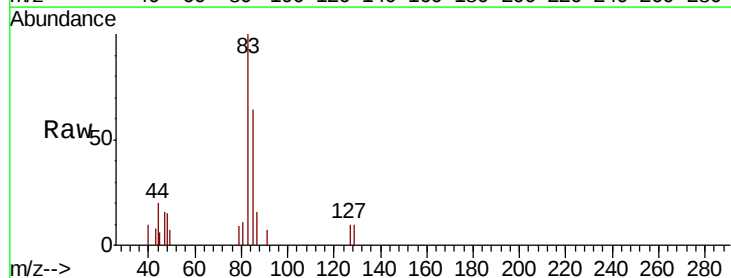
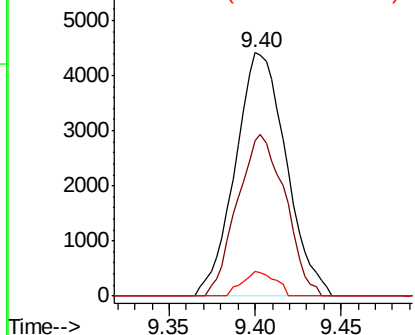
Tgt Ion	83	Resp	9071
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	9.9	7.8	11.6

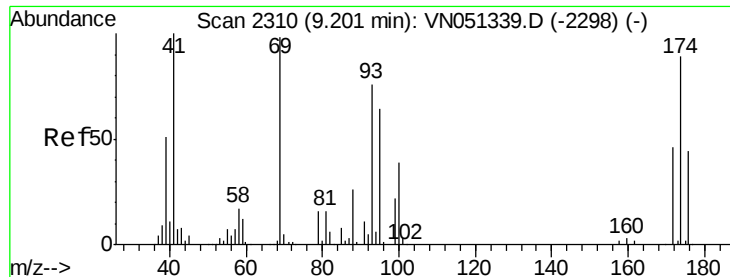
Abundance

Ion 82.90 (82.60 to 83.60): VN051336.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051336.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051336.D (-2280) (-)





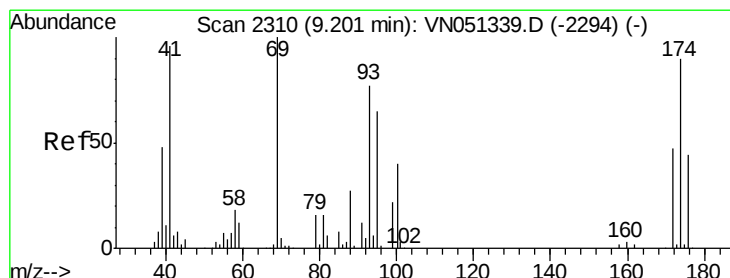
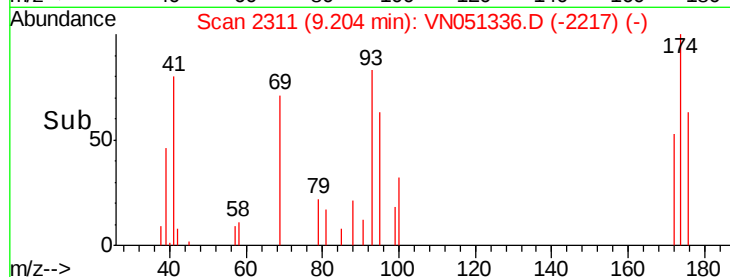
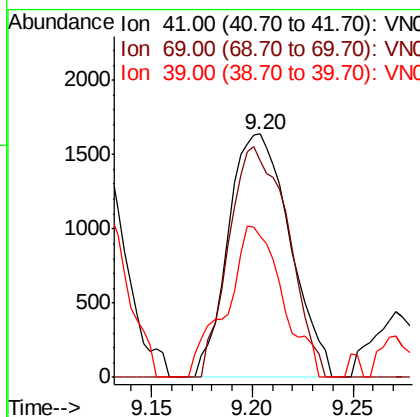
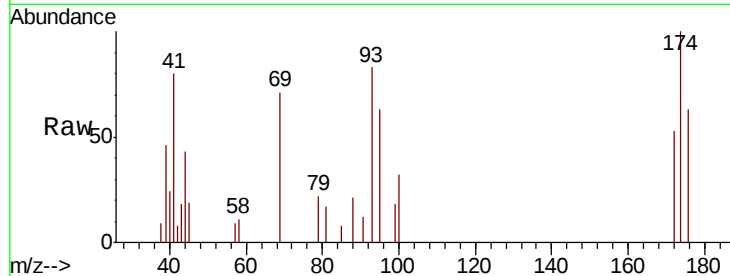
#48
Methvl methacrylate
Concen: 0.902 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 41 Resp: 3503
Ion Ratio Lower Upper
41 100
69 91.1 79.4 119.0
39 56.2 43.0 64.6

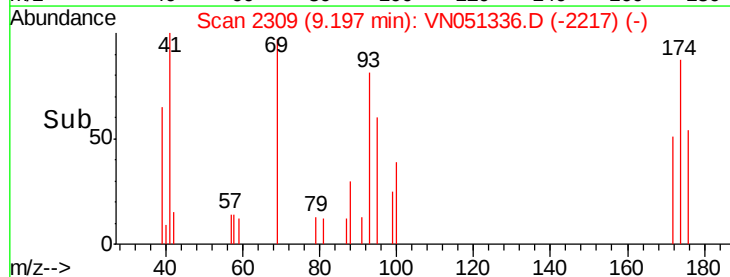
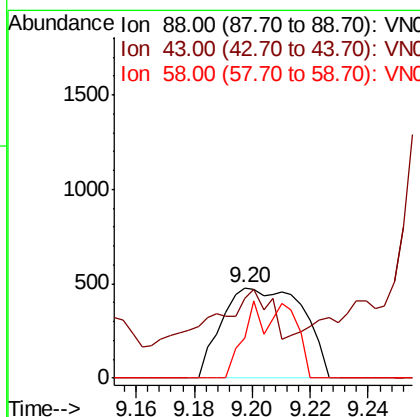
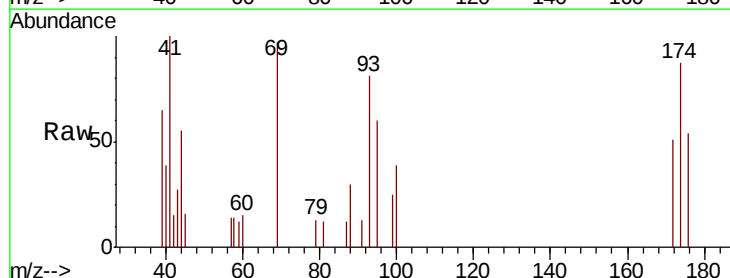
Manual Integrations
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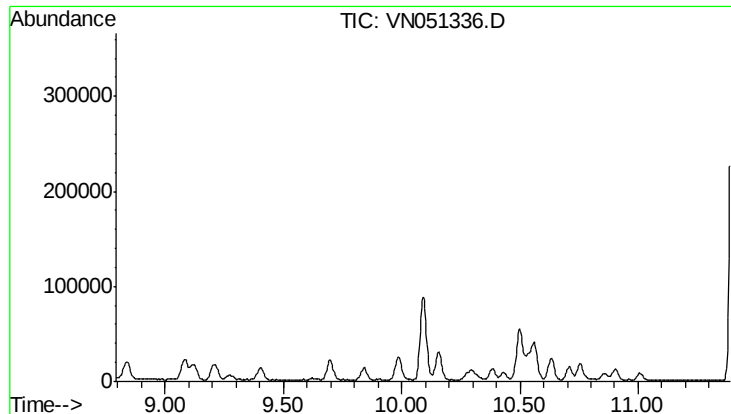
MMDadoda
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#49
1,4-Dioxane
Concen: 16.129 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion: 88 Resp: 926
Ion Ratio Lower Upper
88 100
43 43.5 23.5 35.3#
58 21.1 52.1 78.1#





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

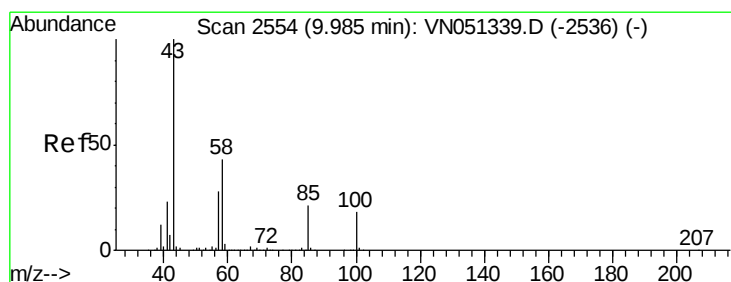
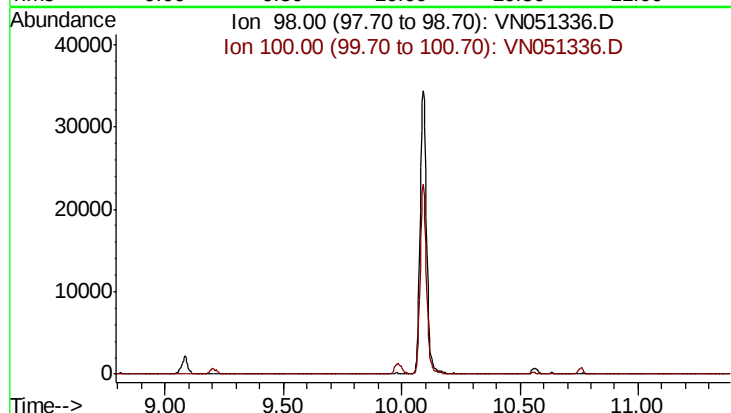
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.1

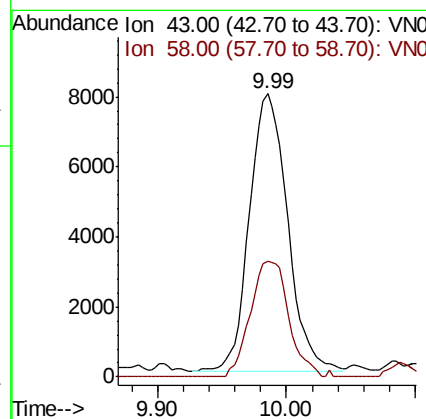
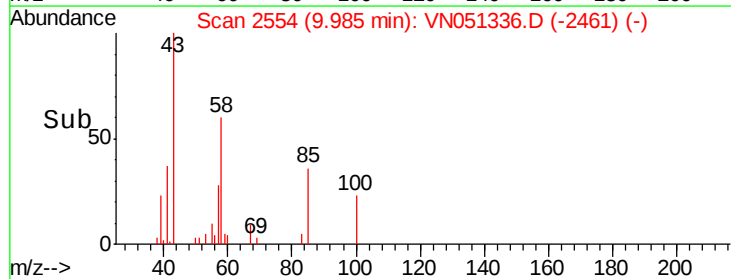
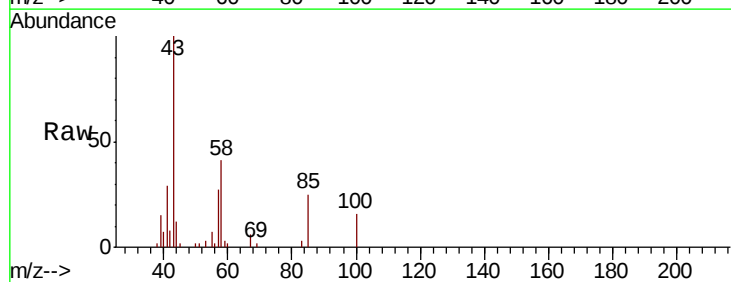
Manual Integrations
APPROVED

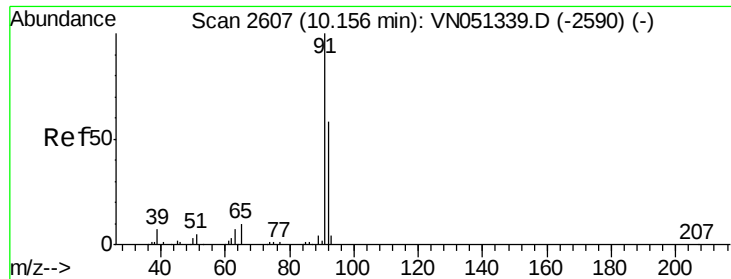
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#51
4-Methyl-2-Pentanone
Concen: 3.996 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion: 43 Resp: 16369
Ion Ratio Lower Upper
43 100
58 41.7 34.2 51.4





#52

Toluene

Concen: 0.812 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 13225

Ion Ratio Lower Upper

92 100

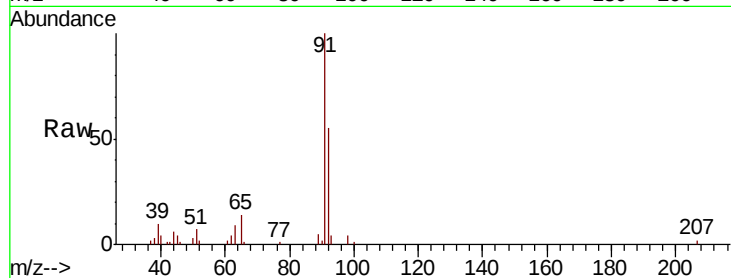
91 183.1 139.7 209.5

Manual Integrations

APPROVED

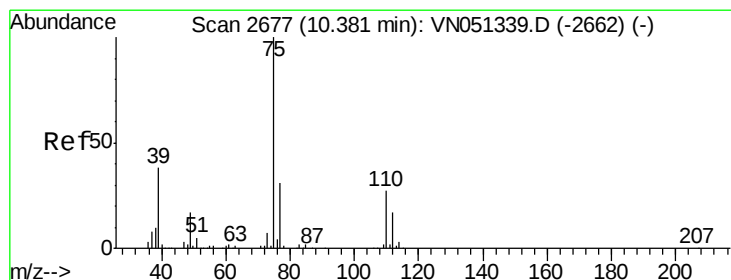
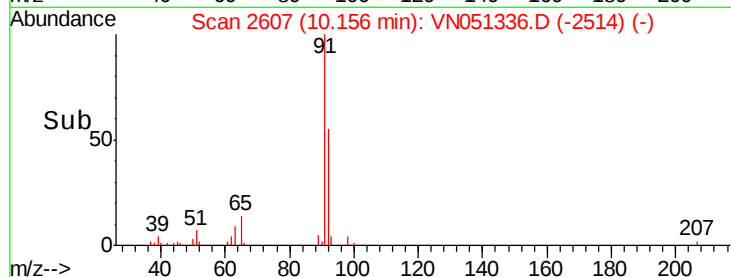
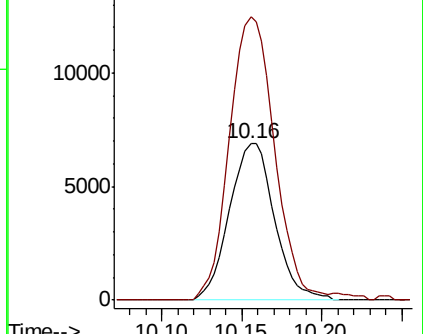
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.843 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051336.D

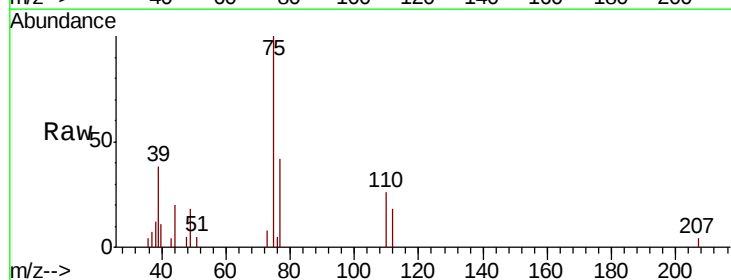
Acq: 20 Sep 2018 13:28

Tgt Ion: 75 Resp: 7208

Ion Ratio Lower Upper

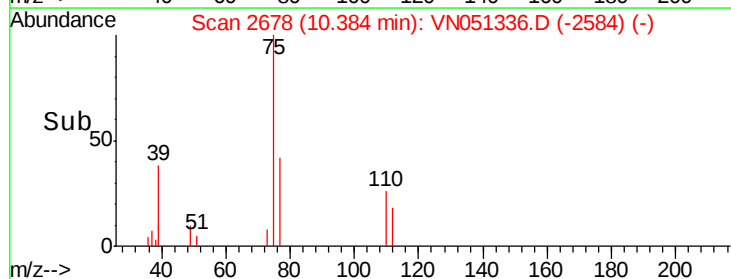
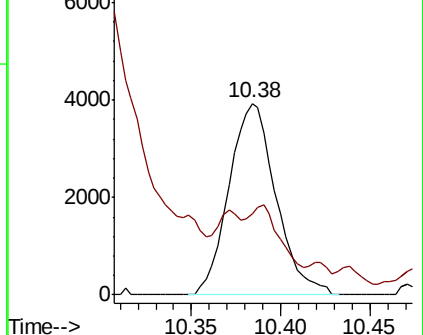
75 100

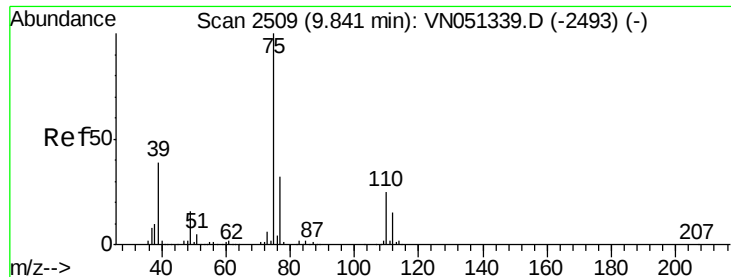
77 30.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.802 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

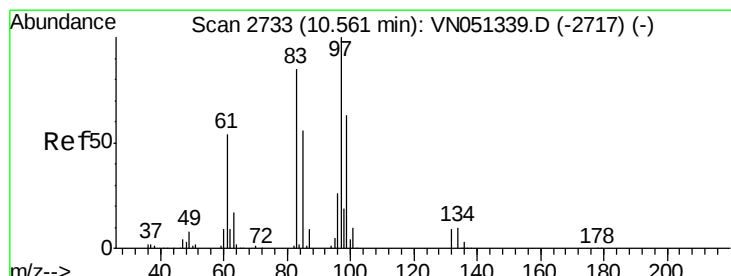
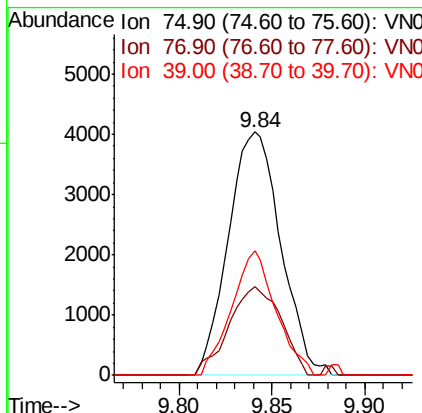
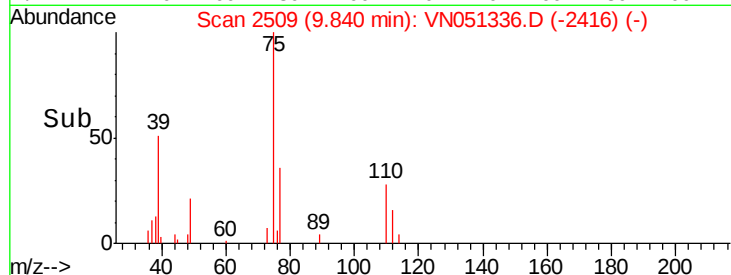
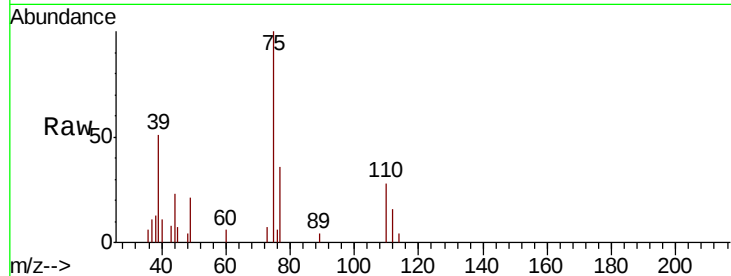
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	7938
Ion	Ratio	Lower	Upper
75	100		
77	36.2	25.2	37.8
39	51.2	31.0	46.4

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#55

1,1,2-Trichloroethane

Concen: 1.060 ug/l

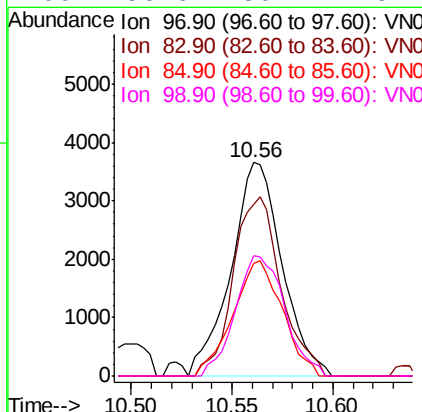
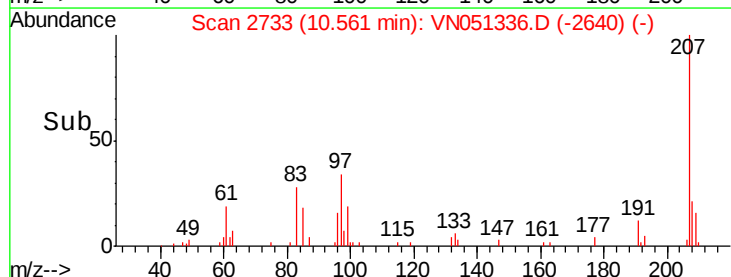
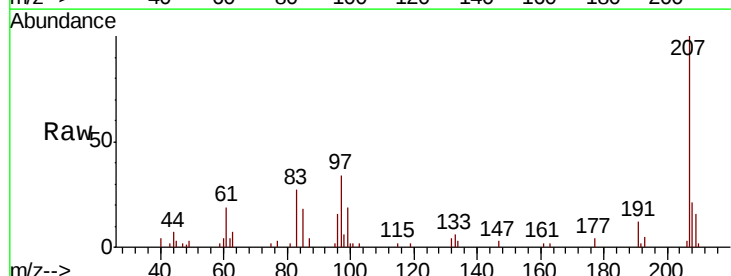
RT: 10.56 min Scan# 2733

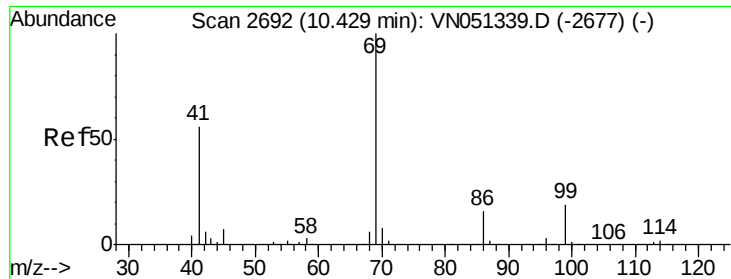
Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Tgt Ion:	97	Resp:	6478
Ion	Ratio	Lower	Upper
97	100		
83	80.5	68.1	102.1
85	52.7	44.6	66.8
99	56.6	50.2	75.4





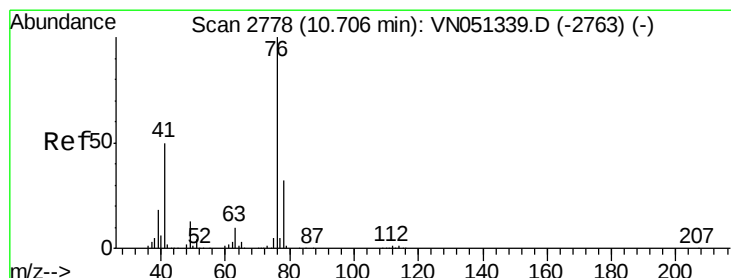
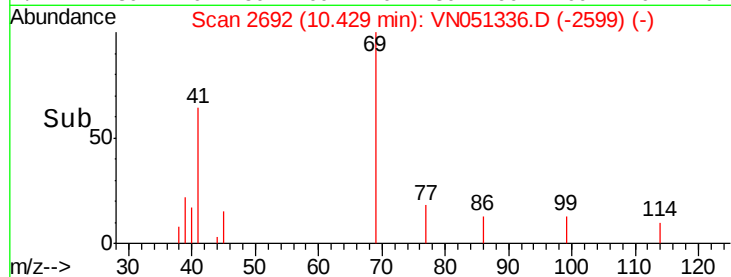
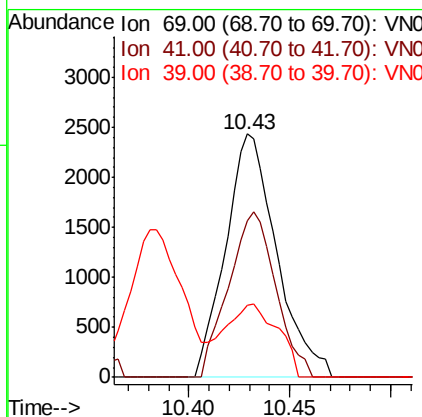
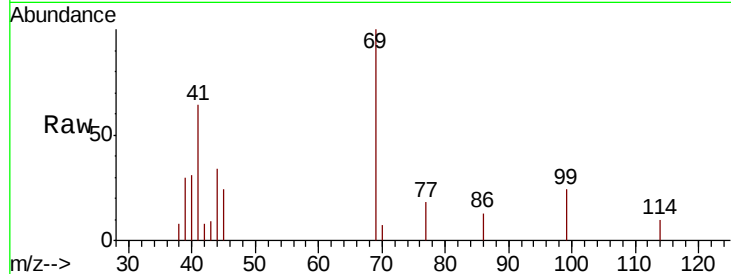
#56
Ethyl methacrylate
Concen: 0.666 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	62.9	45.1	67.7
39	31.1	23.4	35.2

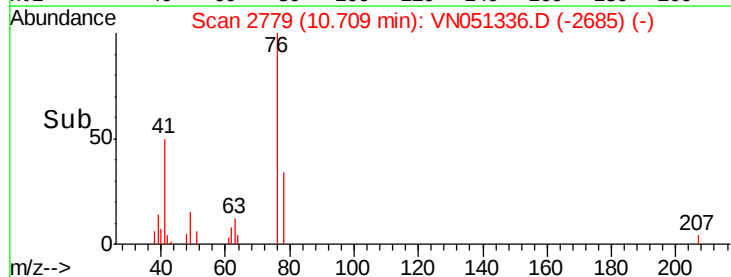
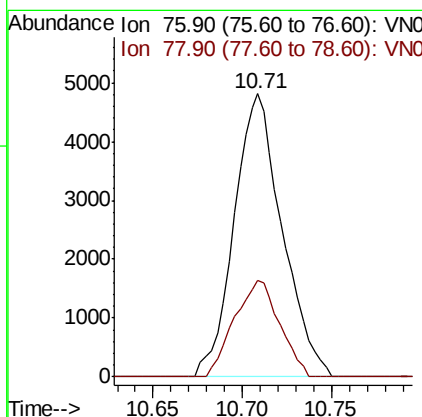
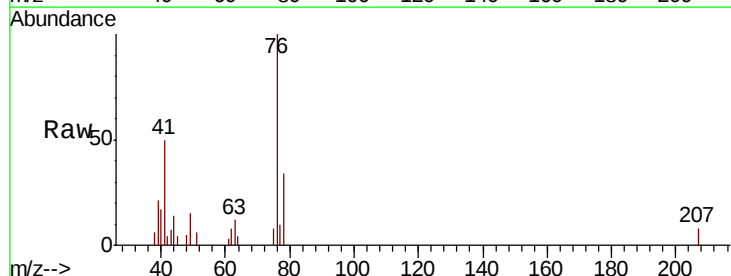
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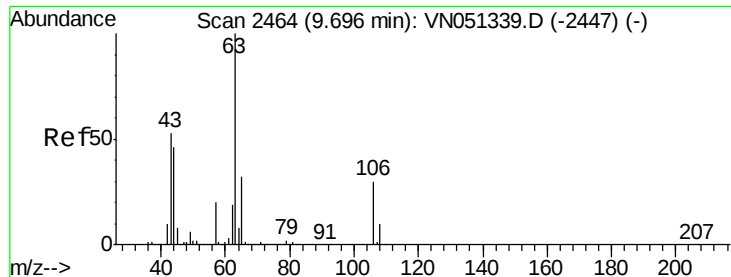
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#57
1,3-Dichloropropane
Concen: 0.937 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5





#58

2-Chloroethyl Vinyl ether

Concen: 3.250 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 10318

Ion Ratio Lower Upper

63 100

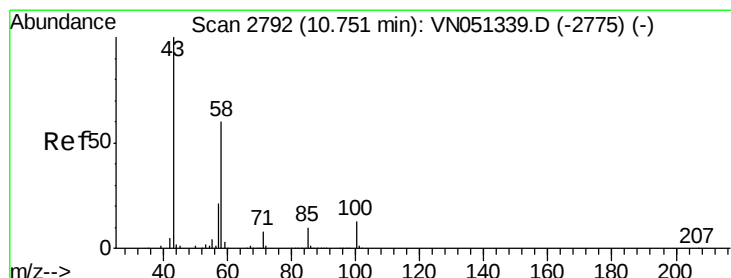
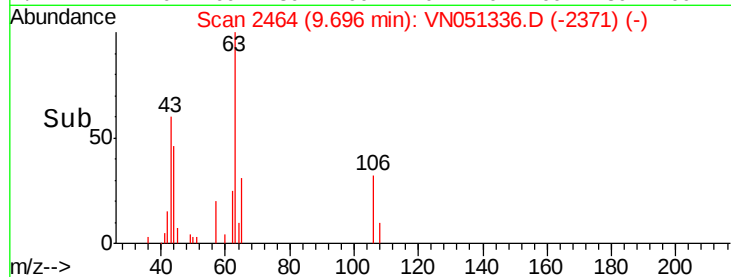
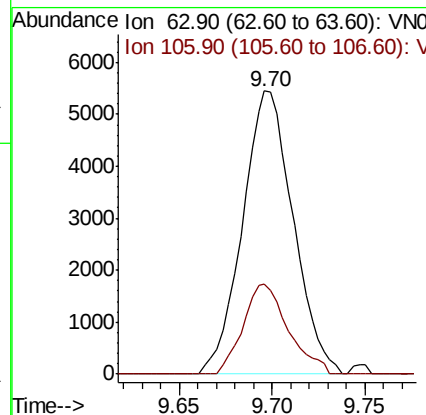
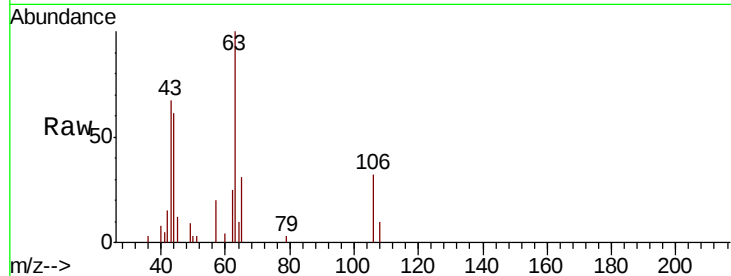
106 28.3 23.7 35.5

Manual Integrations

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#59

2-Hexanone

Concen: 4.348 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN051336.D

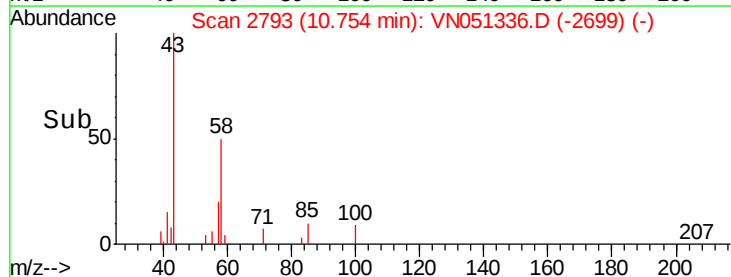
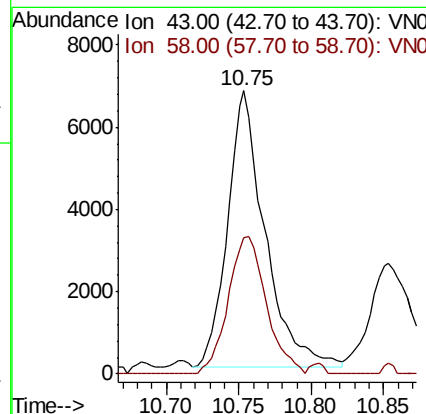
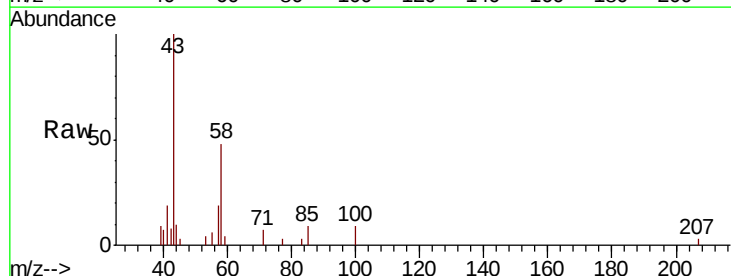
Acq: 20 Sep 2018 13:28

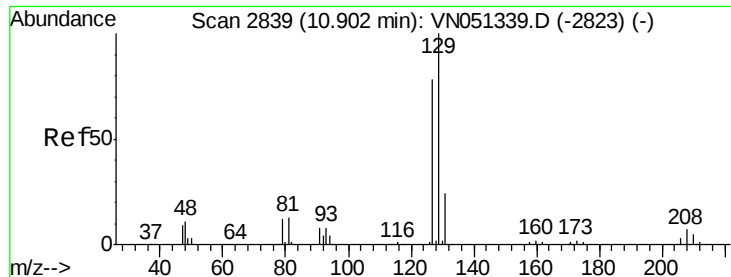
Tgt Ion: 43 Resp: 12007

Ion Ratio Lower Upper

43 100

58 50.6 29.9 89.8





#60

Dibromochloromethane

Concen: 0.961 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 6847

Ion Ratio Lower Upper

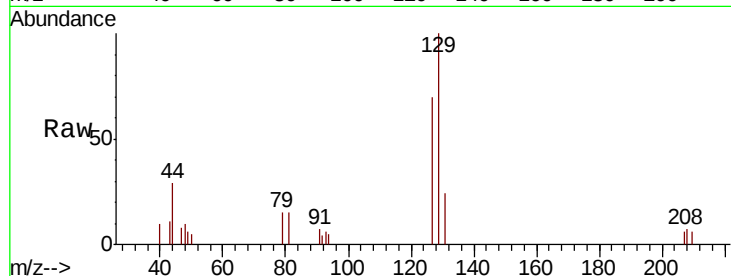
129 100

127 74.3 38.6 115.8

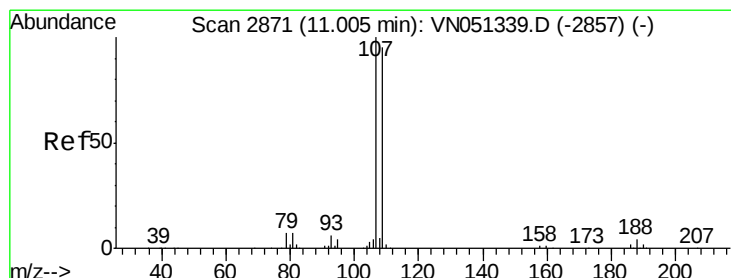
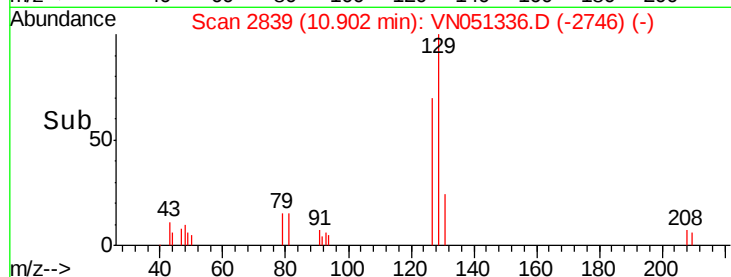
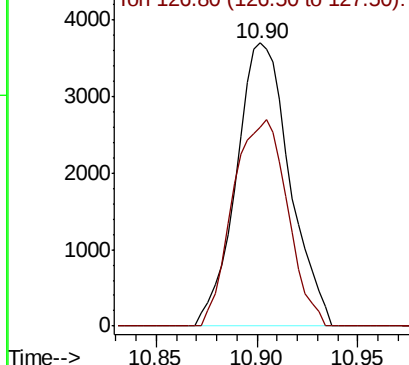
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Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.949 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051336.D

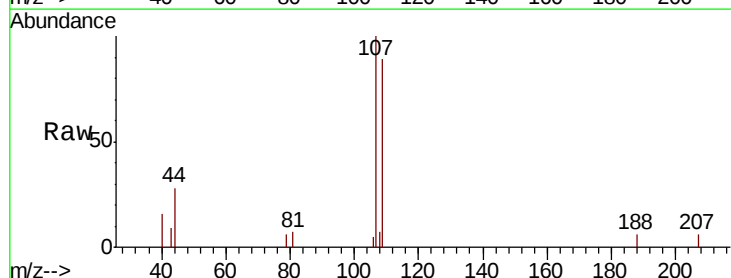
Acq: 20 Sep 2018 13:28

Tgt Ion:107 Resp: 5575

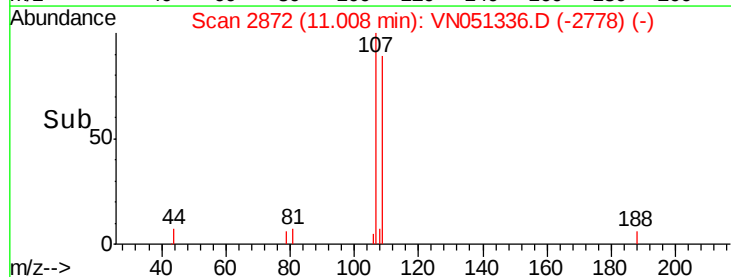
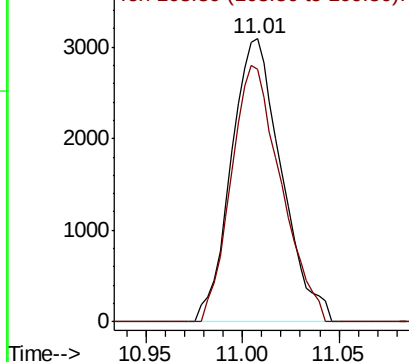
Ion Ratio Lower Upper

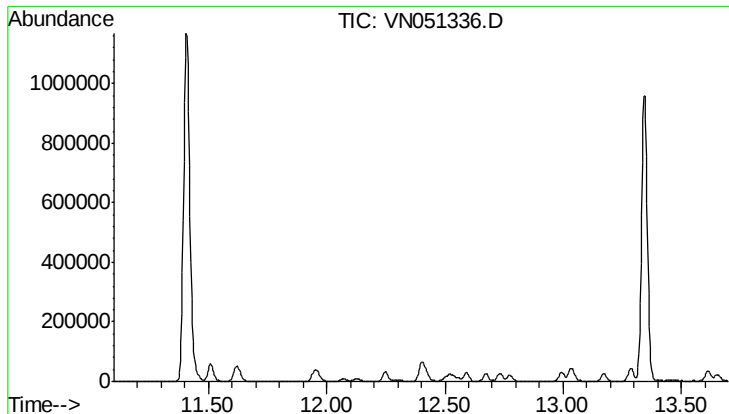
107 100

109 89.7 75.8 113.6



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: VN051336.D

Acq: 20 Sep 2018 13:28

Tot Ion: 95

Sig Exp Ratio

95 100

174 97.3

176 94.8

Instrument :

MSVOA_N

ClientSampleId :

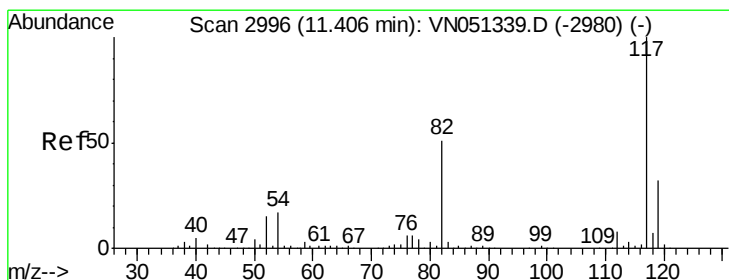
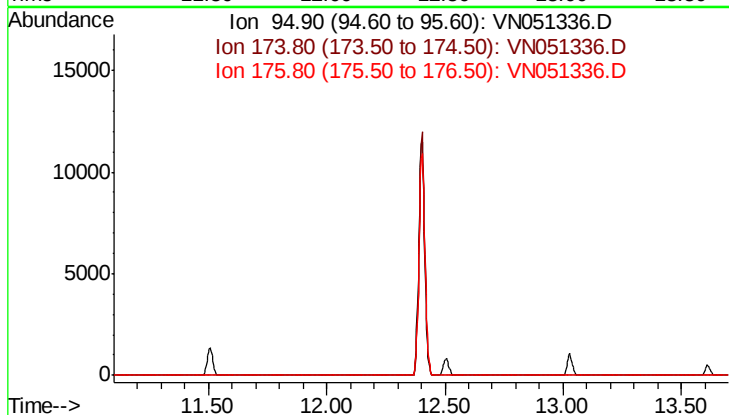
VSTDIC001

Manual Integrations

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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: VN051336.D

Acq: 20 Sep 2018 13:28

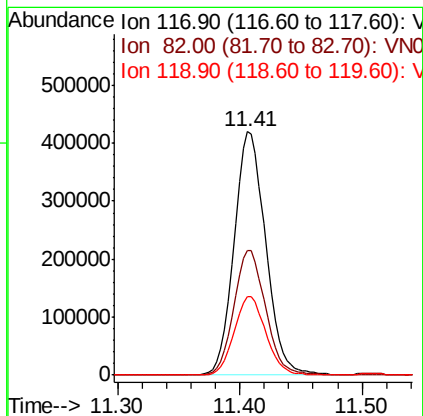
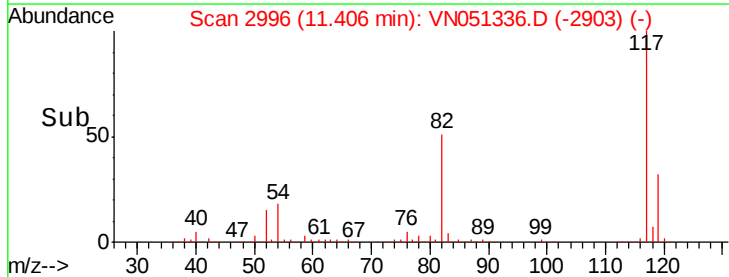
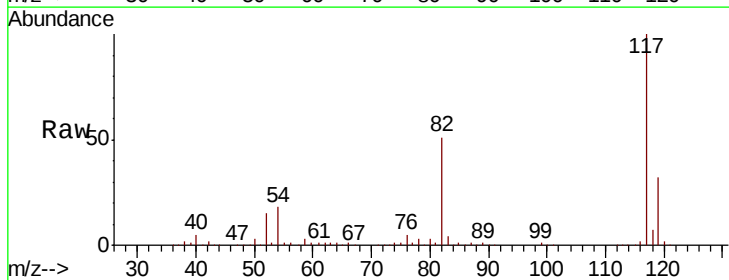
Tgt Ion:117 Resp: 752900

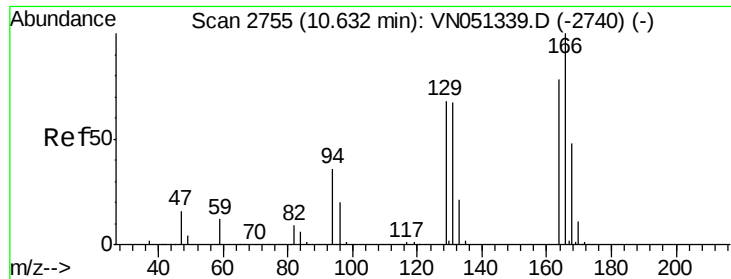
Ion Ratio Lower Upper

117 100

82 51.3 40.7 61.1

119 32.3 25.3 37.9





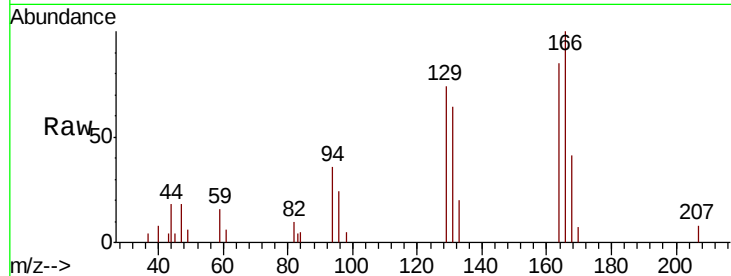
#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

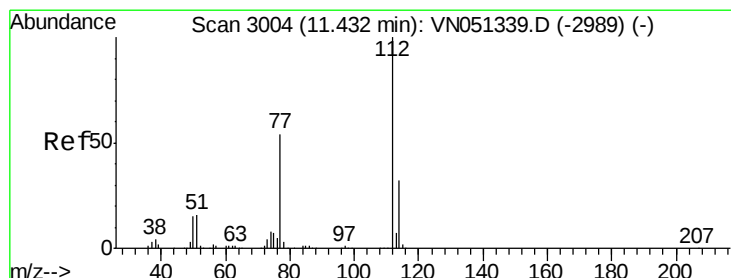
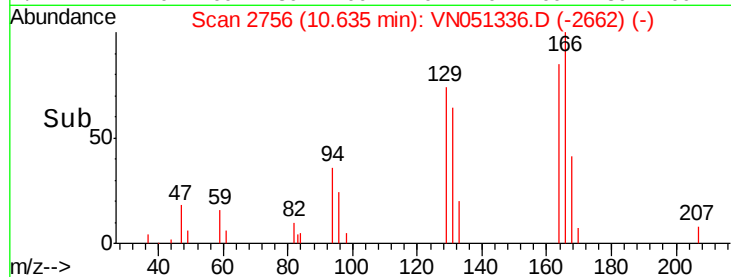
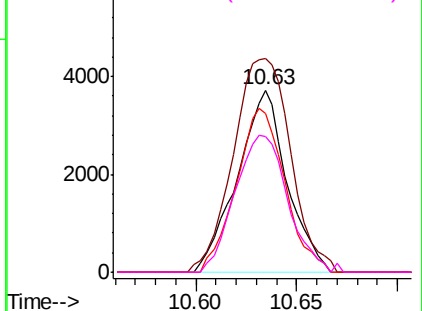
Tot Ion:164 Resp: 6405
Ion Ratio Lower Upper
164 100
166 117.3 102.1 153.1
129 86.9 69.4 104.2
131 74.8 68.8 103.2

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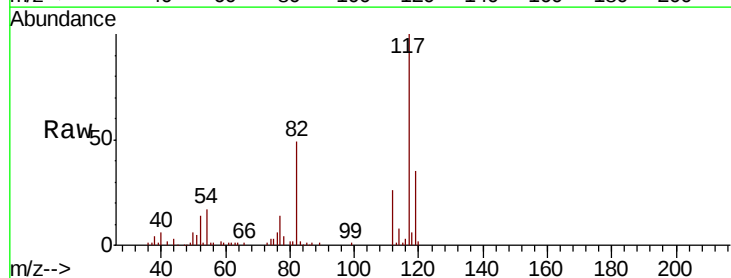


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

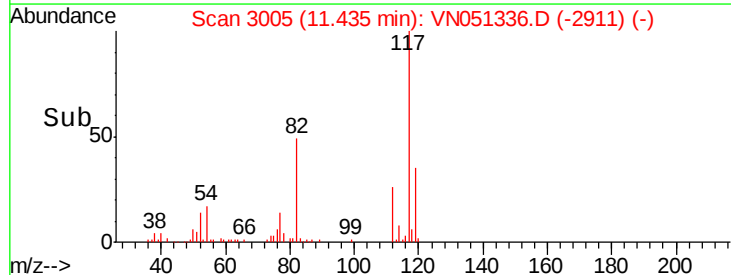
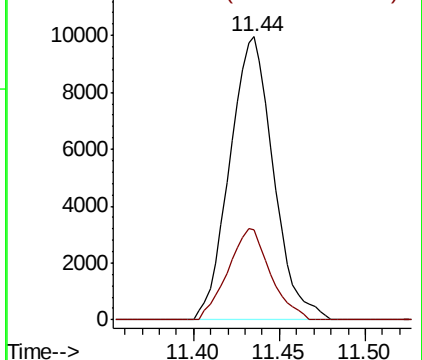


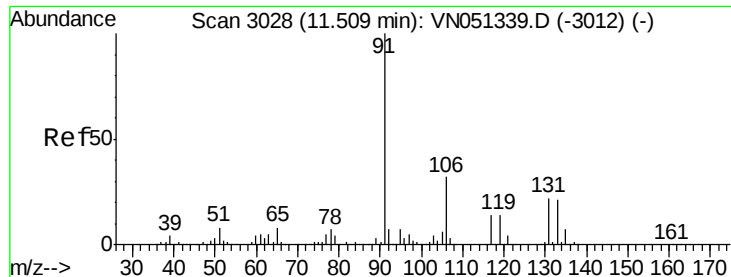
#65
Chlorobenzene
Concen: 0.979 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion:112 Resp: 17613
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





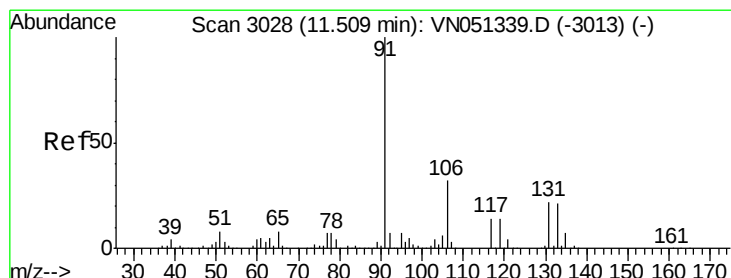
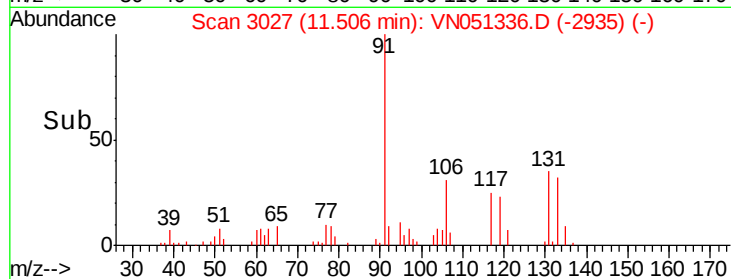
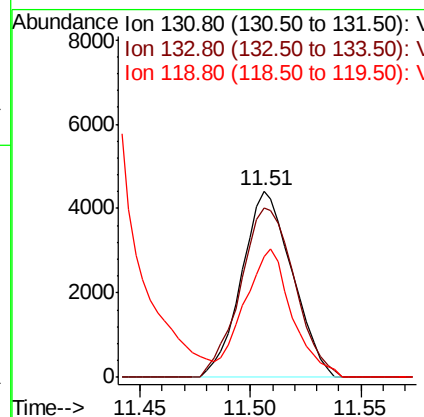
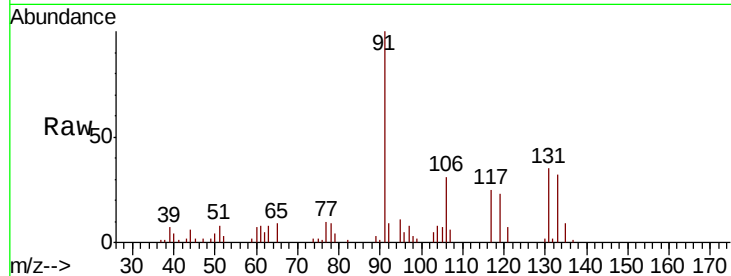
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.025 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.4	142.2
119	0.0	32.6	97.7#

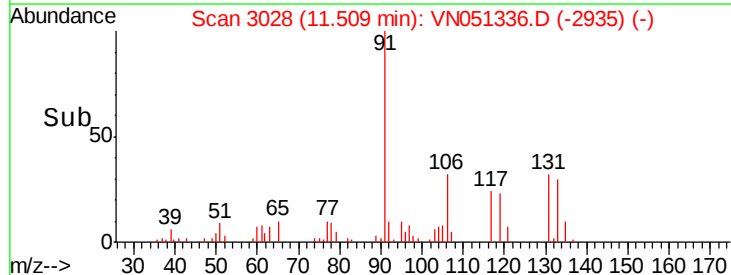
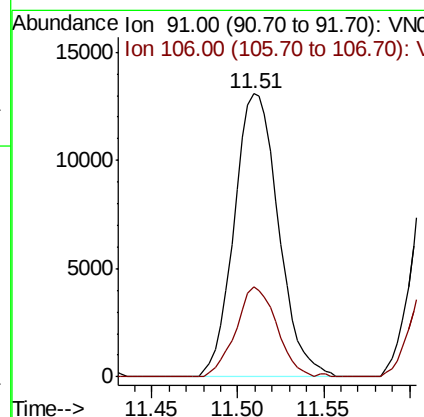
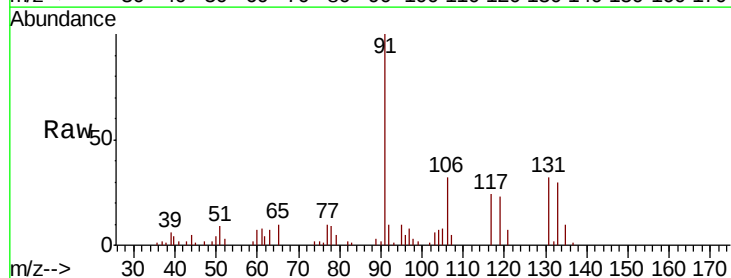
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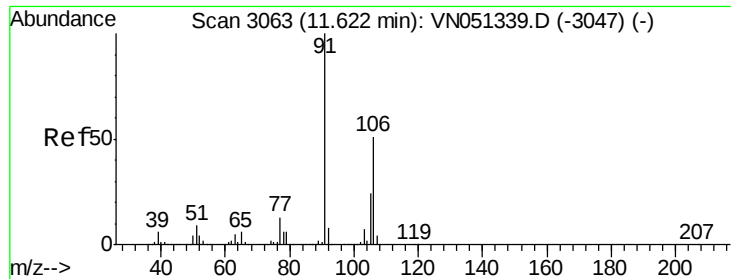
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 9/24/2018 2:48:07 PM



#67
 Ethyl Benzene
 Concen: 0.836 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.8	38.8





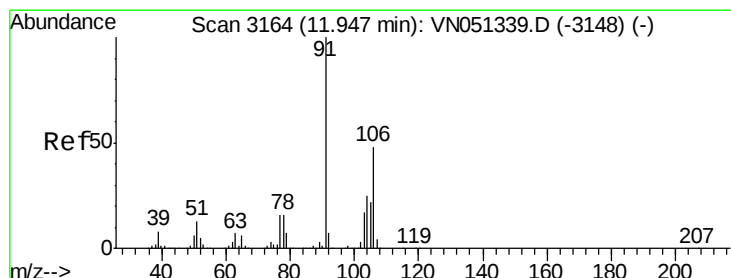
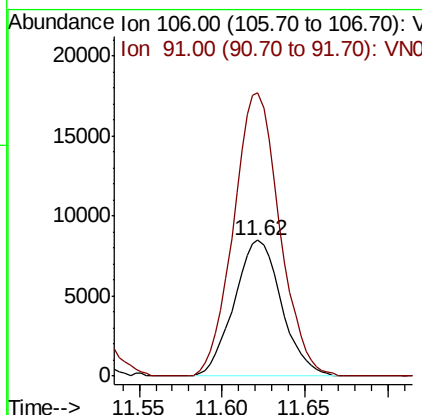
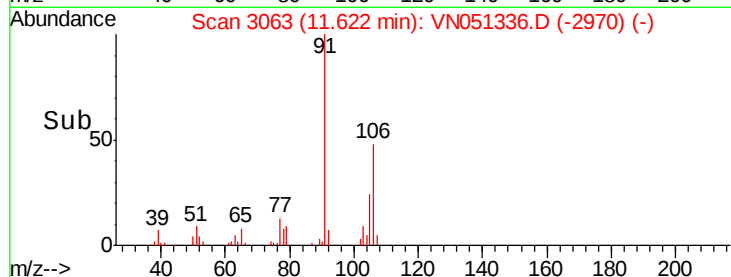
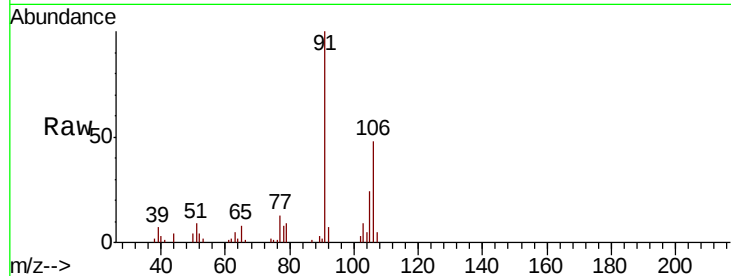
#68
m/p-Xylenes
Concen: 1.531 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.9	156.5	234.7	

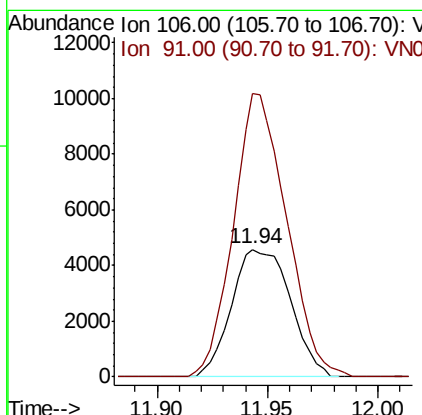
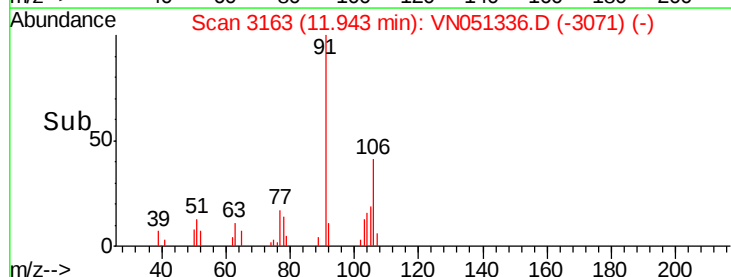
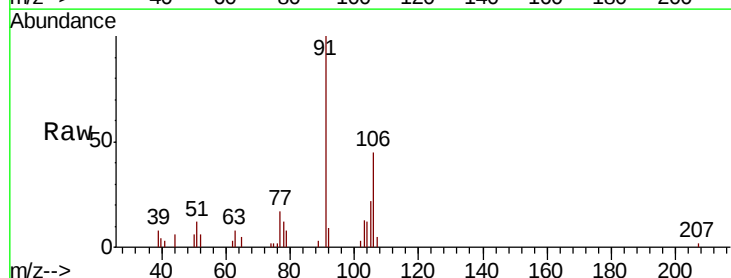
Manual Integrations
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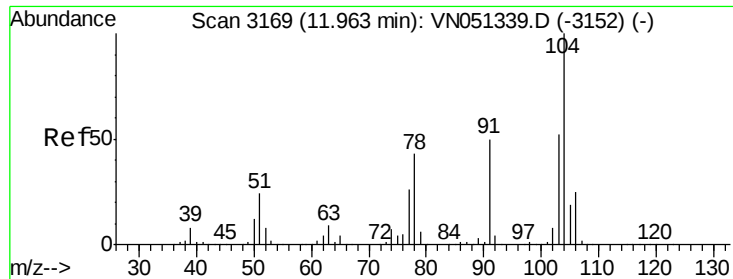
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#69
o-Xylene
Concen: 0.792 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.0	104.6	313.7	





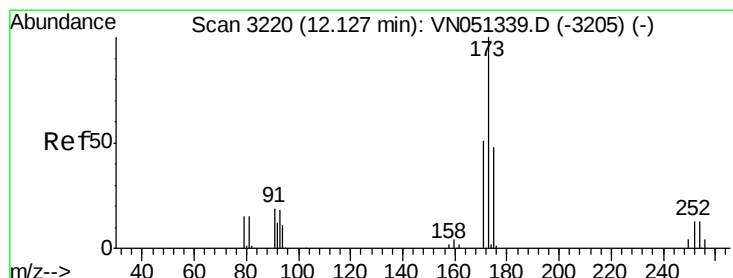
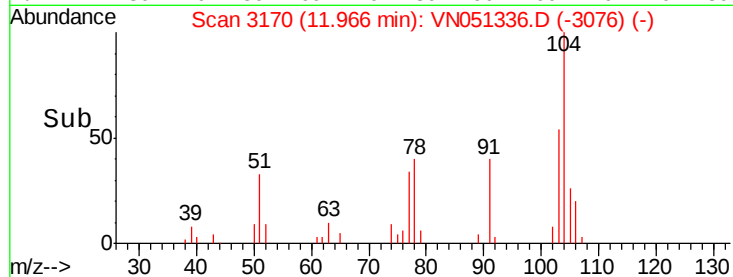
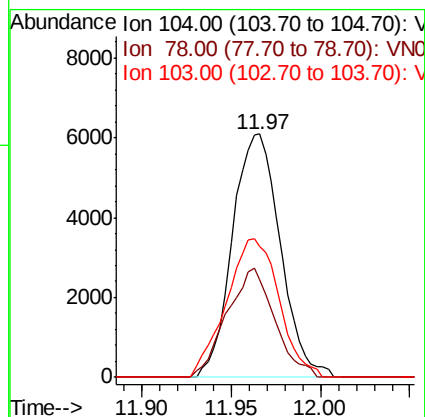
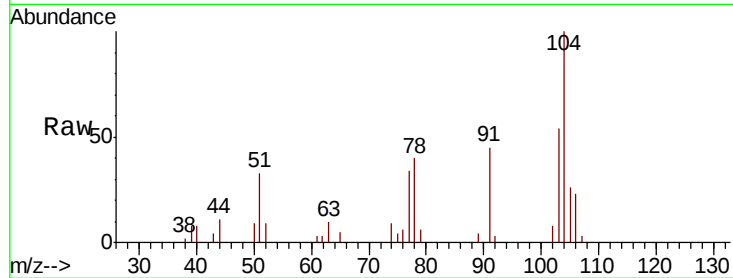
#70
Stvrene
Concen: 0.690 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	44.6	37.8	56.6
103	62.6	44.3	66.5

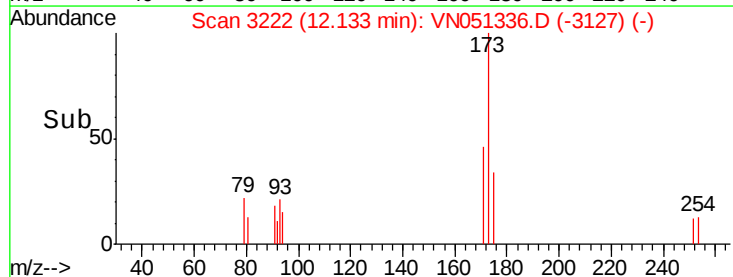
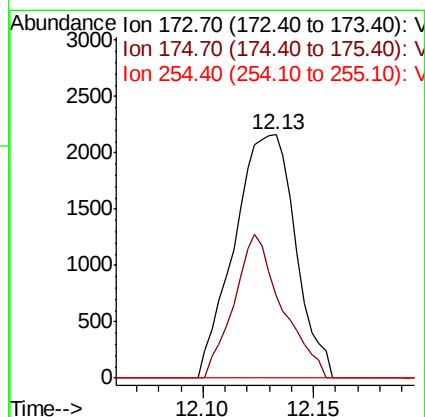
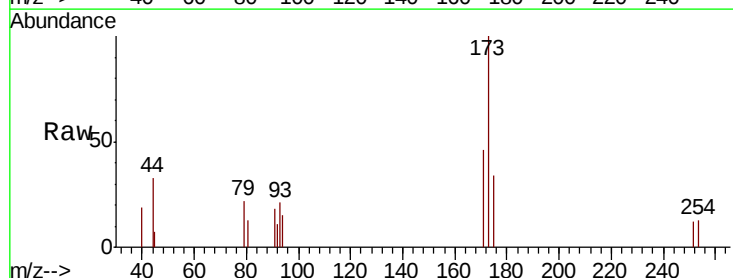
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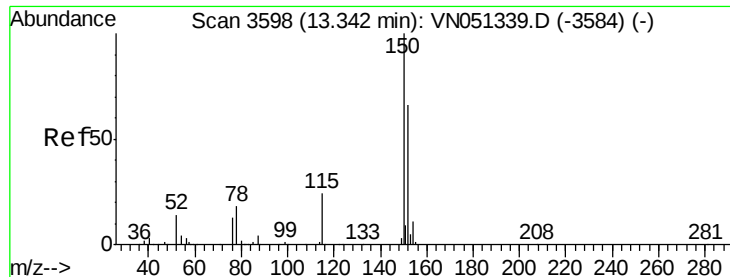
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#71
Bromoform
Concen: 0.897 ug/l
RT: 12.13 min Scan# 3222
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.1	24.3	73.0
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

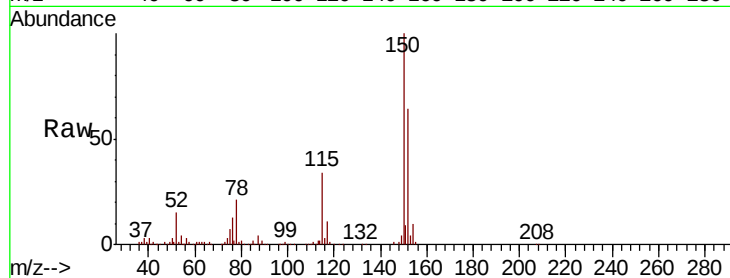
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	290052
Ion Ratio	Lower	Upper	
152	100		
115	53.6	26.9	80.7
150	157.2	0.0	345.0

Manual Integrations
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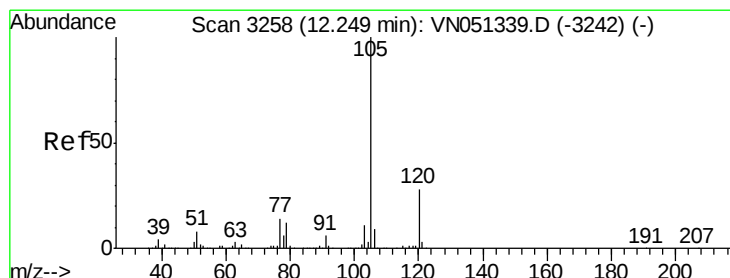
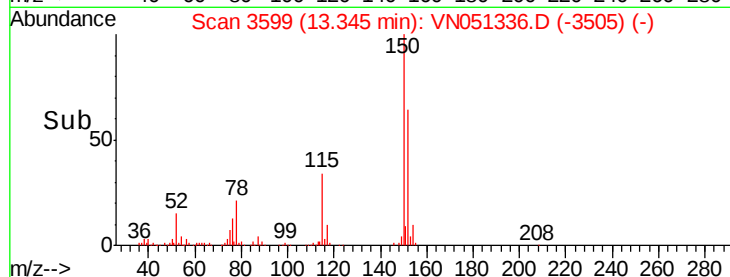
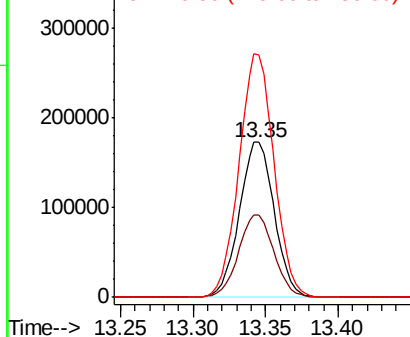


Abundance

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: 0.953 ug/l

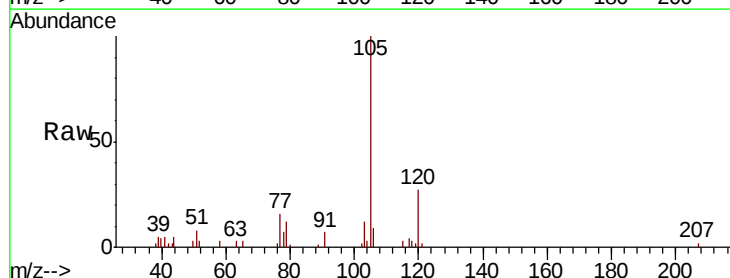
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

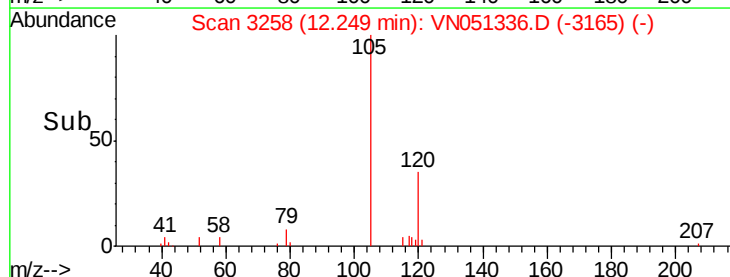
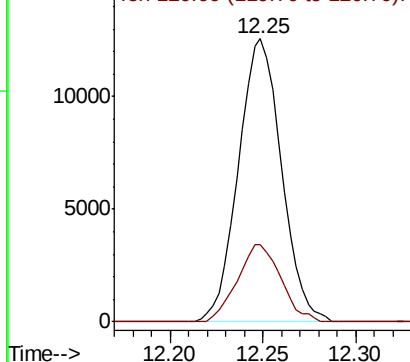
Tgt Ion:	105	Resp:	20262
Ion Ratio	Lower	Upper	
105	100		
120	27.6	13.9	41.6

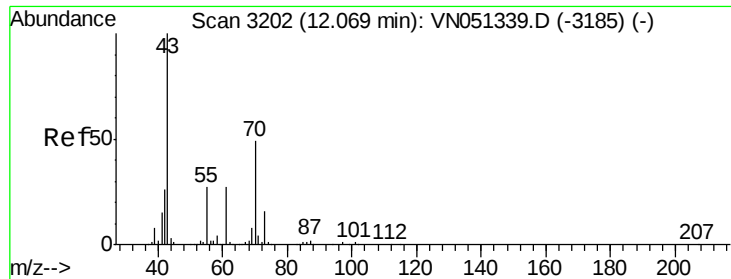


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





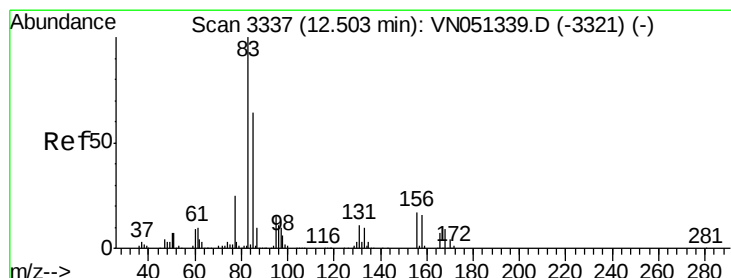
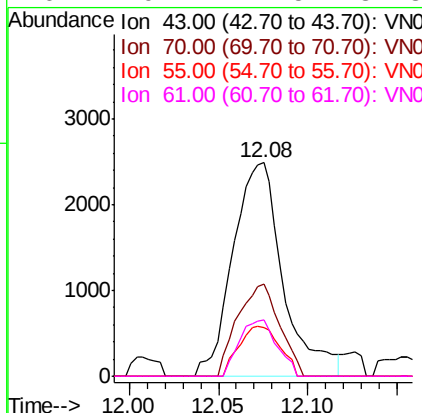
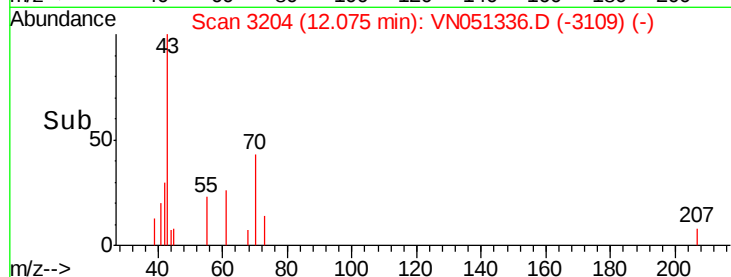
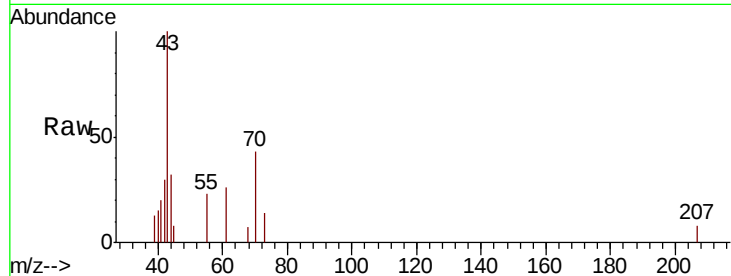
#74
N-amvl acetate
Concen: 1.077 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.01 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	36.0	39.5	59.3#
55	19.0	22.6	34.0#
61	19.7	21.5	32.3#

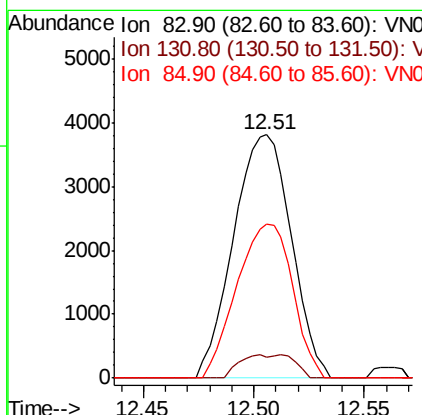
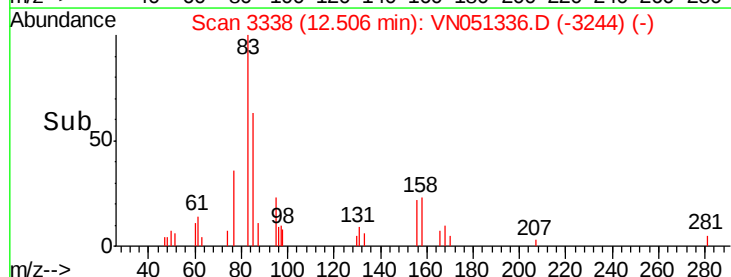
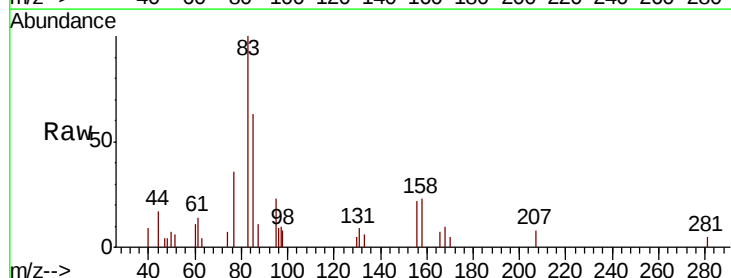
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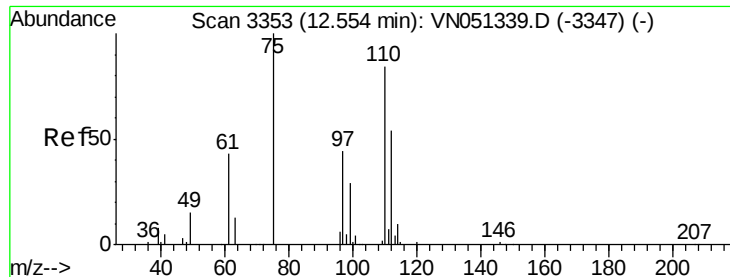
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#75
1,1,2,2-Tetrachloroethane
Concen: 1.318 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
131	4.9	5.5	16.7#
85	60.9	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.345 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 5632

Ion Ratio Lower Upper

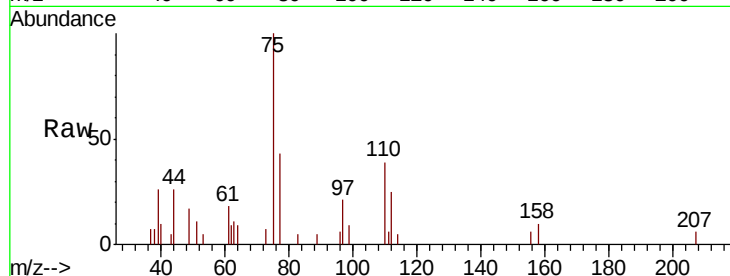
75 100

77 0.0 0.0 0.0

Manual Integrations
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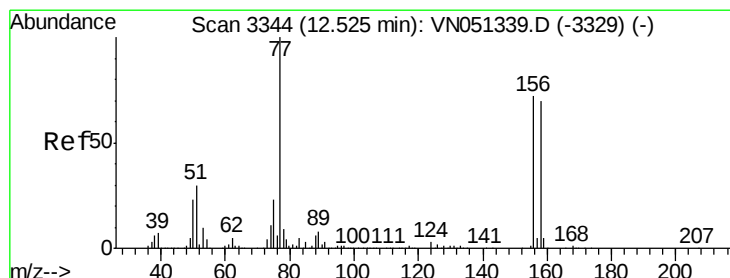
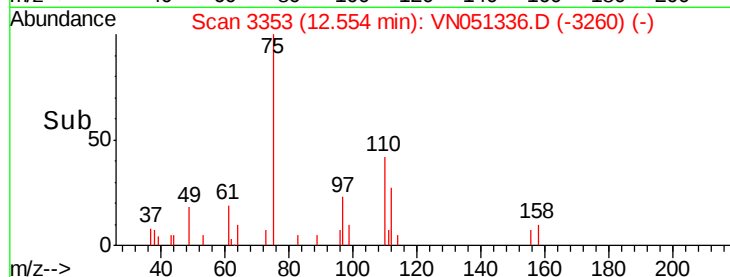
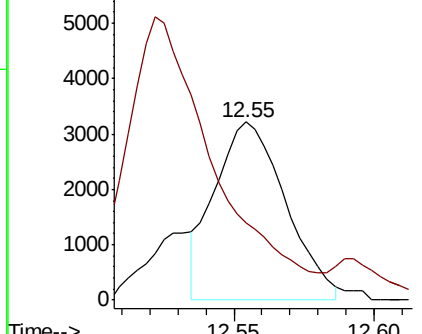
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Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3347) (-)



#77

Bromobenzene

Concen: 1.081 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

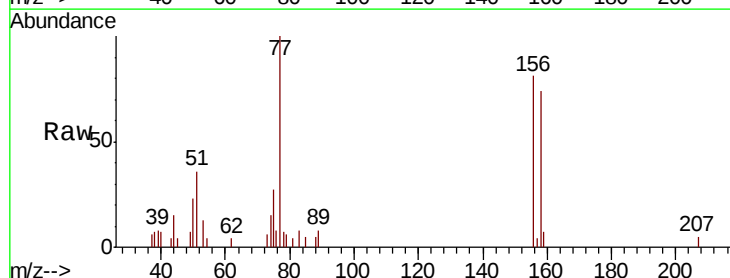
Tgt Ion: 156 Resp: 6351

Ion Ratio Lower Upper

156 100

77 176.1 80.8 242.4

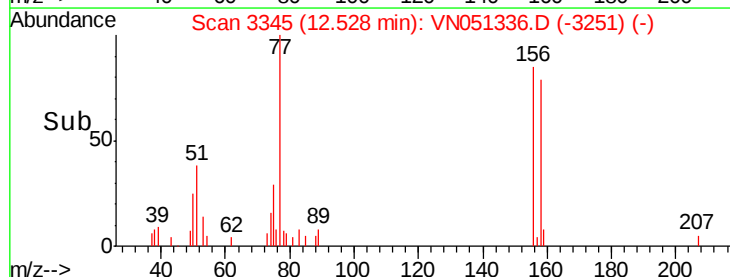
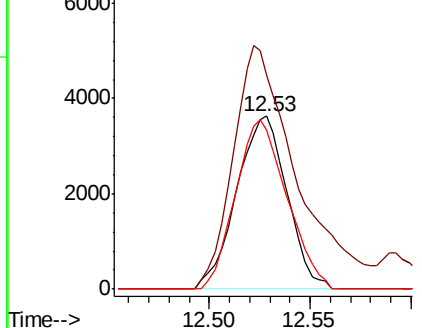
158 99.6 48.8 146.3

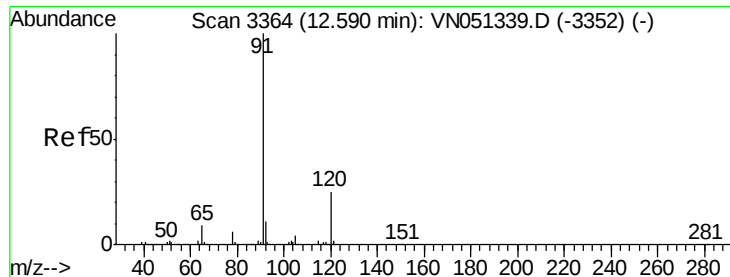


Abundance Ion 155.80 (155.50 to 156.50): VN051339.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN051339.D (-3329) (-)





#78

n-propylbenzene

Concen: 0.887 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 20552

Ion Ratio Lower Upper

91 100

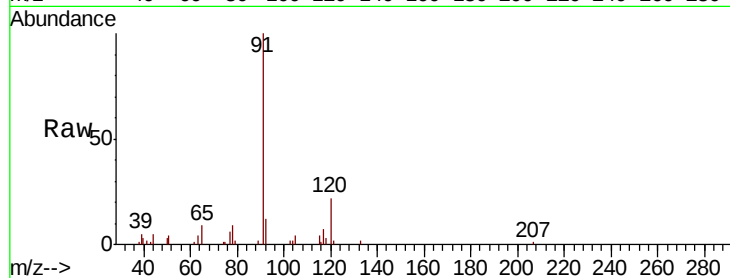
120 23.7 12.4 37.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

15000

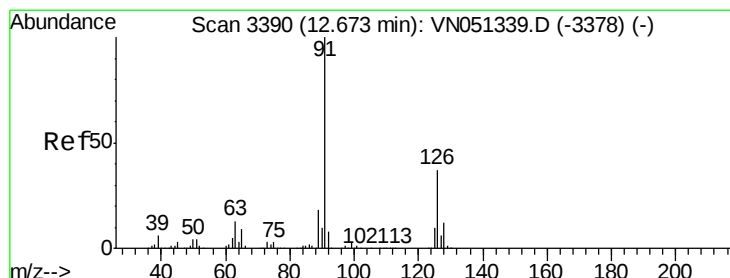
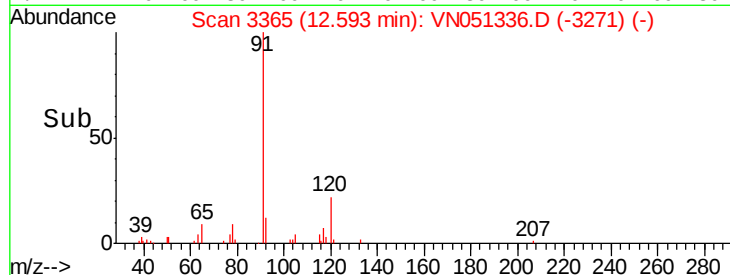
12.59

10000

5000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.008 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051336.D

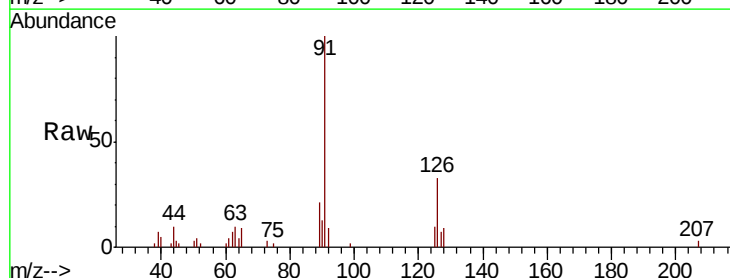
Acq: 20 Sep 2018 13:28

Tgt Ion: 91 Resp: 14398

Ion Ratio Lower Upper

91 100

126 35.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

10000

12.67

8000

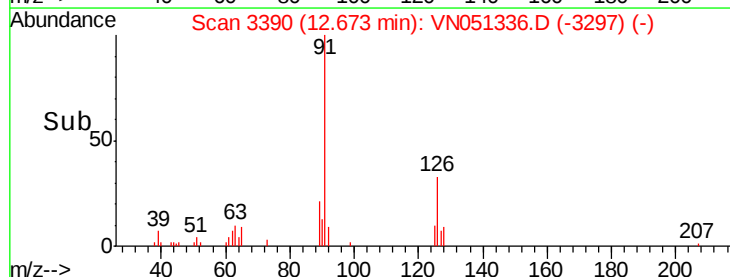
6000

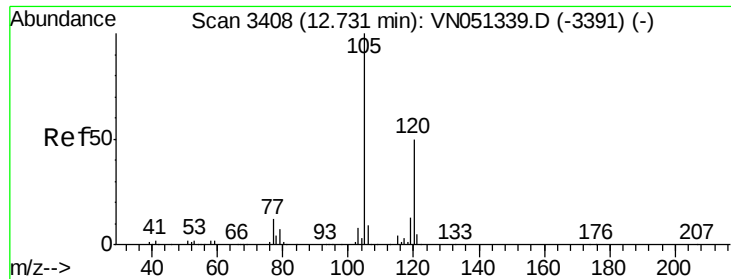
4000

2000

0

Time-->





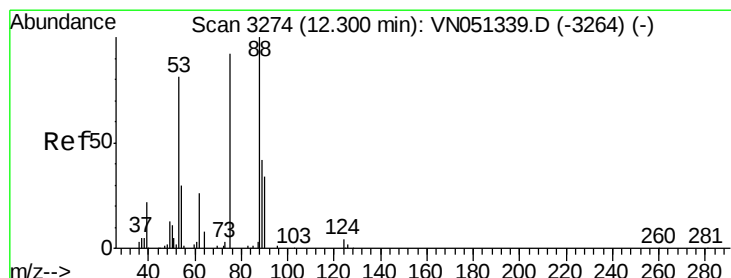
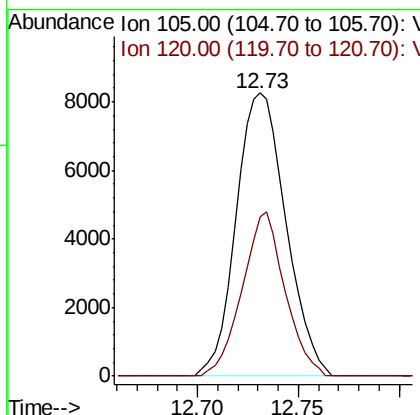
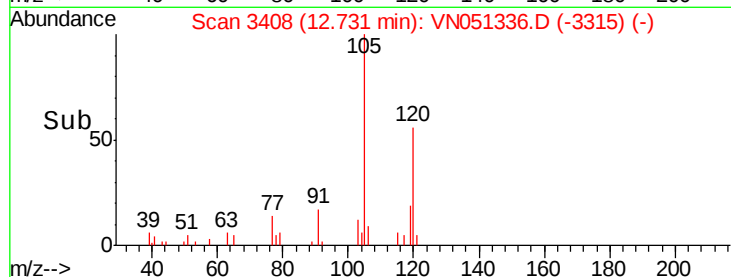
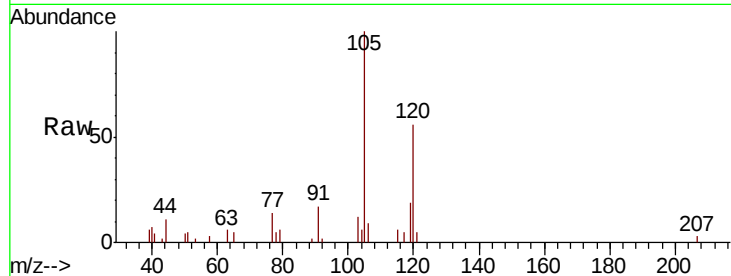
#80
 1,3,5-Trimethylbenzene
 Concen: 0.827 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.2	75.6

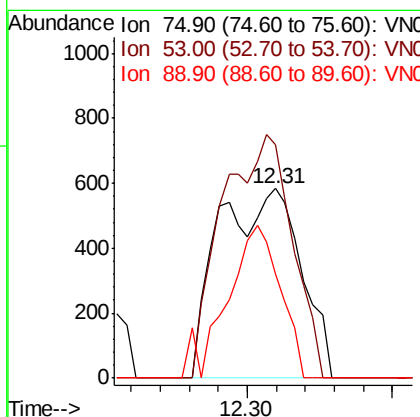
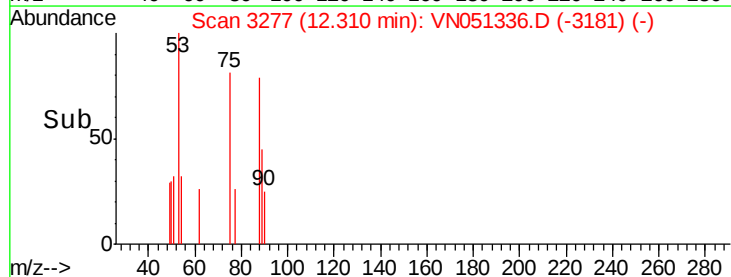
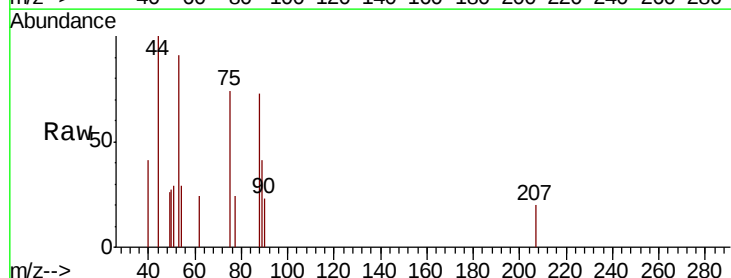
Manual Integrations
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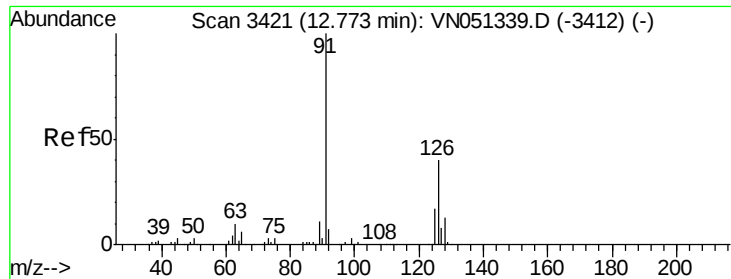
MMDadoda
 9/24/2018 2:48:07 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.945 ug/l m
 RT: 12.31 min Scan# 3277
 Delta R.T. 0.01 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
53	110.3	69.9	104.9#
89	52.1	37.9	56.9





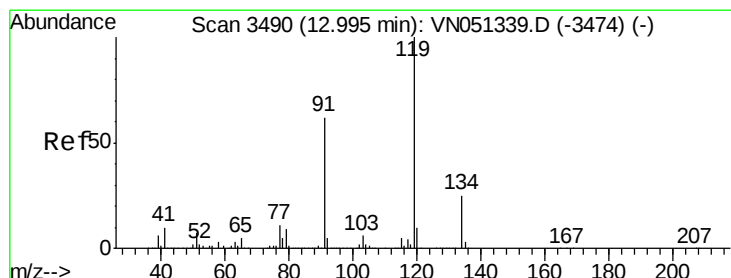
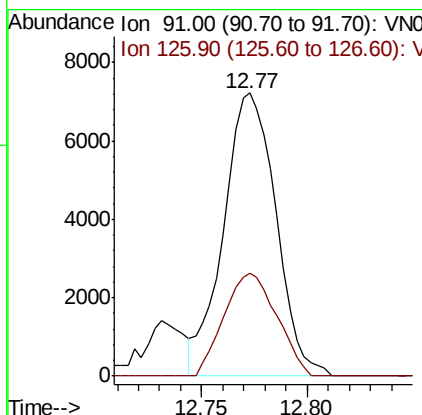
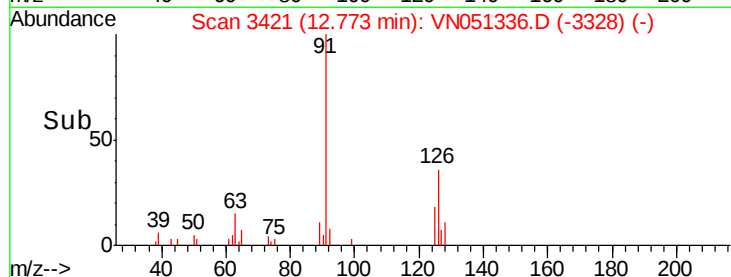
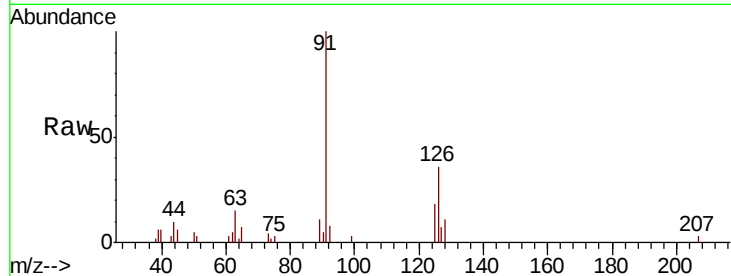
#82
4-Chlorotoluene
Concen: 0.901 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 12505
Ion Ratio Lower Upper
91 100
126 36.5 18.3 54.9

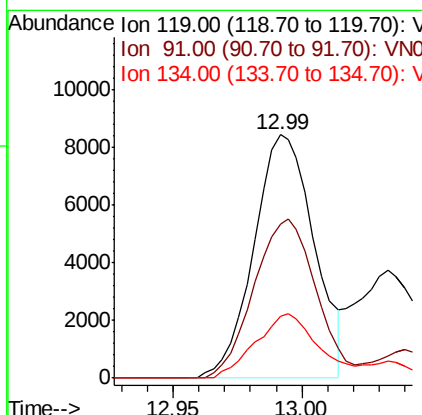
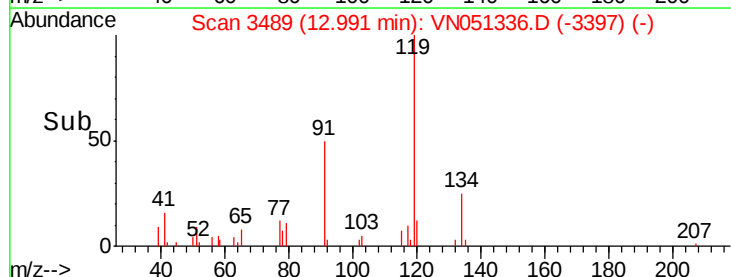
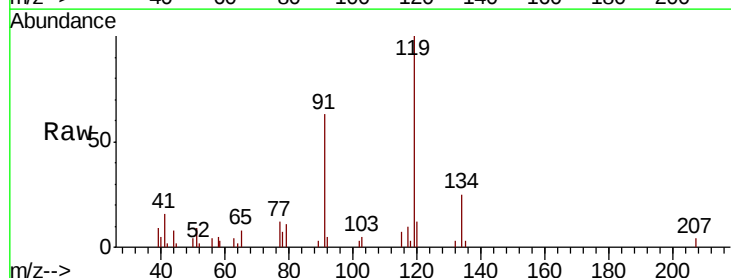
Manual Integrations
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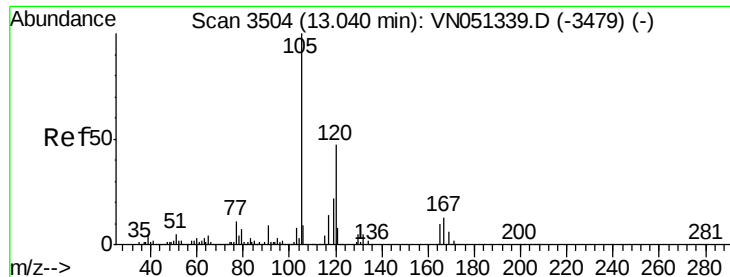
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#83
tert-Butylbenzene
Concen: 0.891 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion: 119 Resp: 13749
Ion Ratio Lower Upper
119 100
91 67.2 30.6 91.8
134 27.2 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 0.776 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 13265

Ion Ratio Lower Upper

105 100

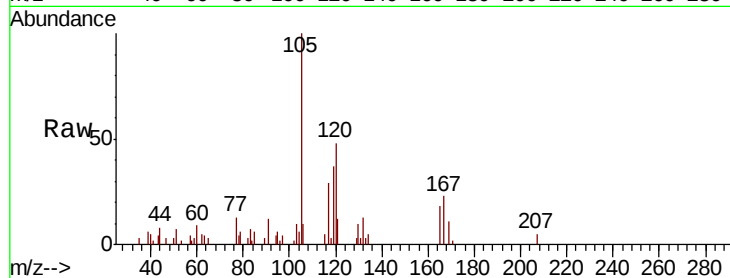
120 50.2 23.5 70.6

Manual Integrations

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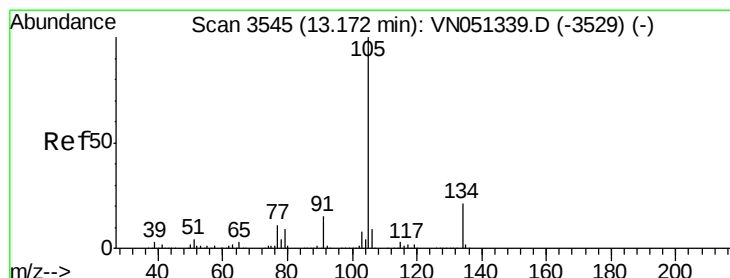
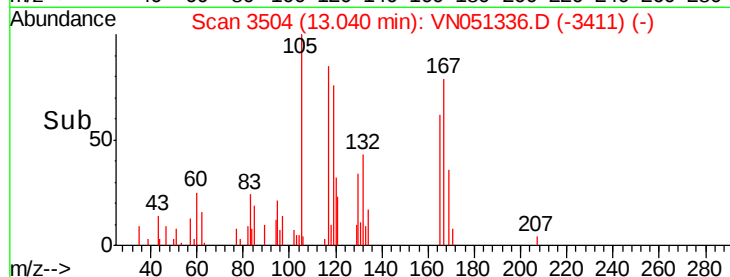
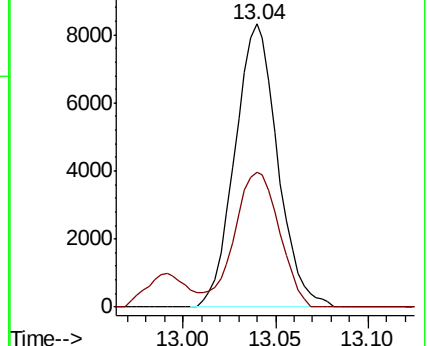
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.832 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051336.D

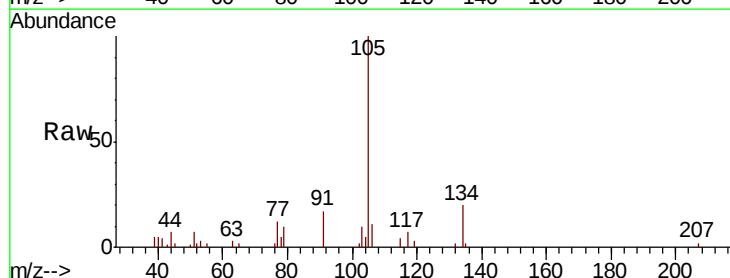
Acq: 20 Sep 2018 13:28

Tgt Ion:105 Resp: 17064

Ion Ratio Lower Upper

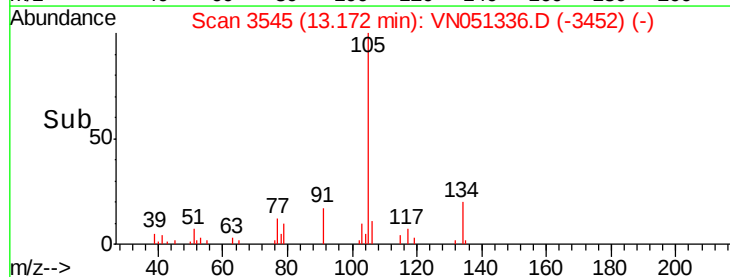
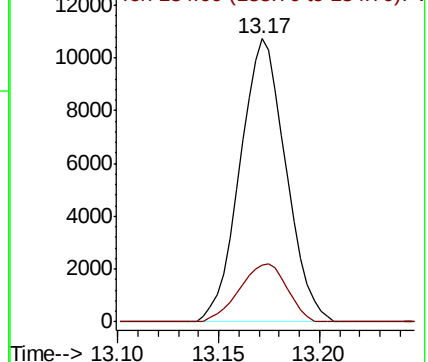
105 100

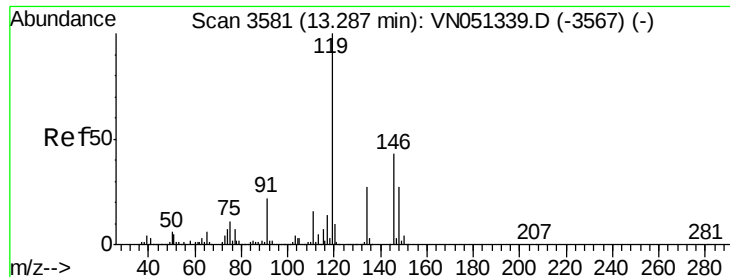
134 21.3 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





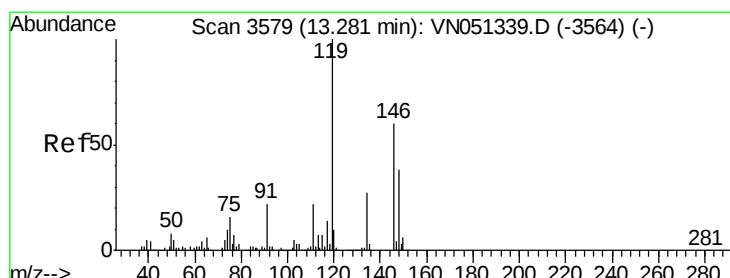
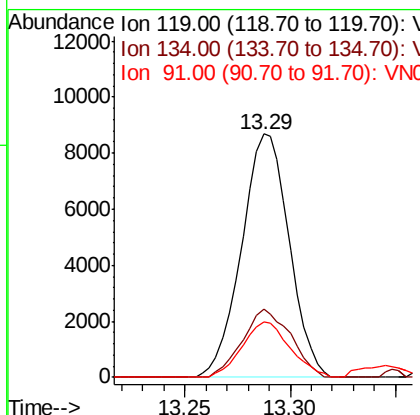
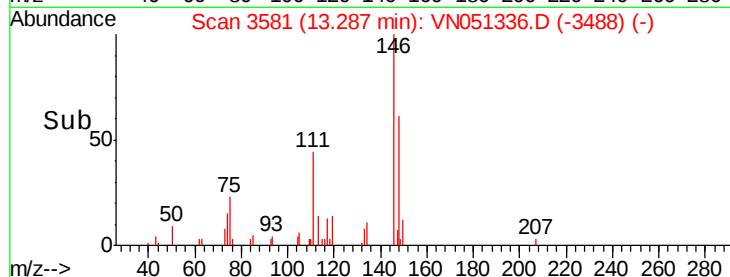
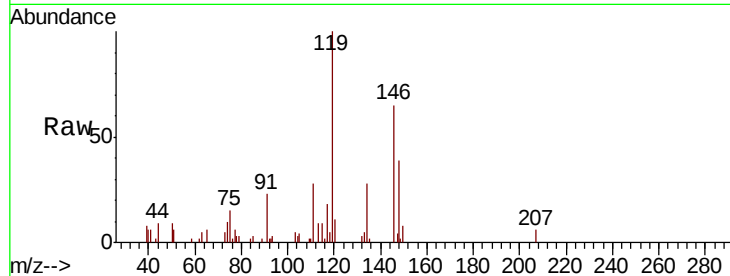
#86
p-Isopropyltoluene
Concen: 0.762 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.7	41.0
91	23.0	10.8	32.3

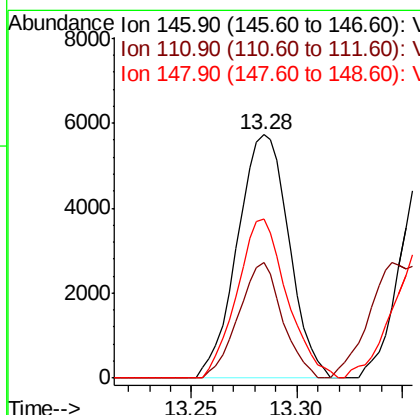
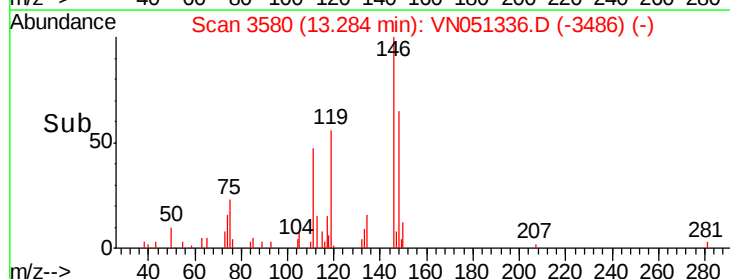
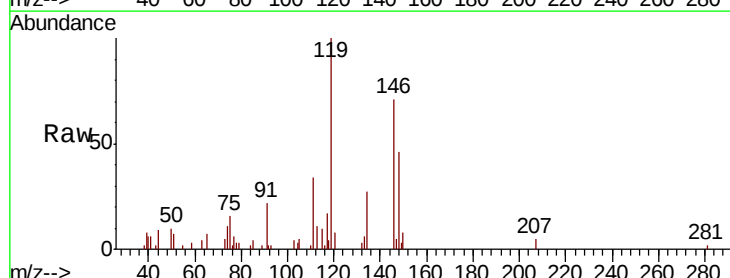
Manual Integrations
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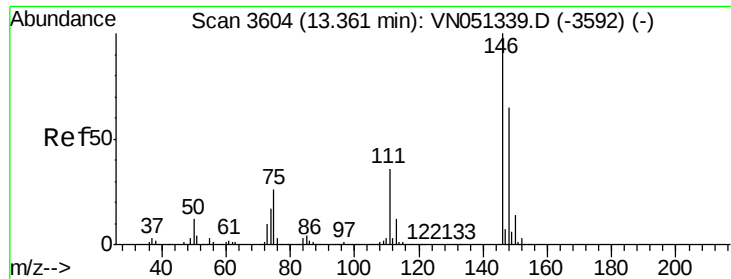
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#87
1,3-Dichlorobenzene
Concen: 0.985 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.6	55.8
148	63.1	31.9	95.7





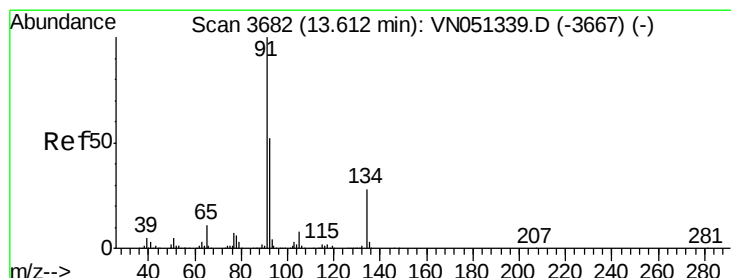
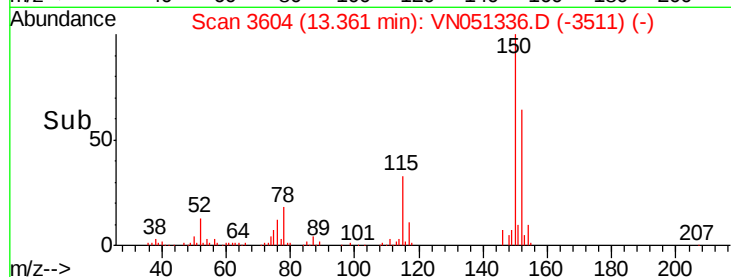
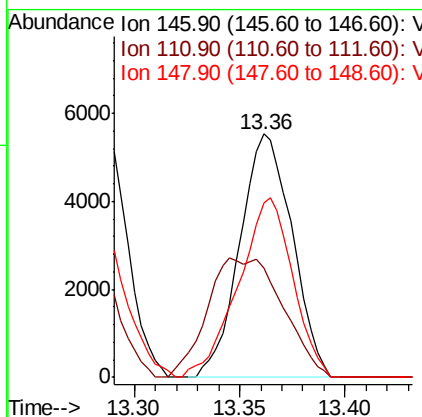
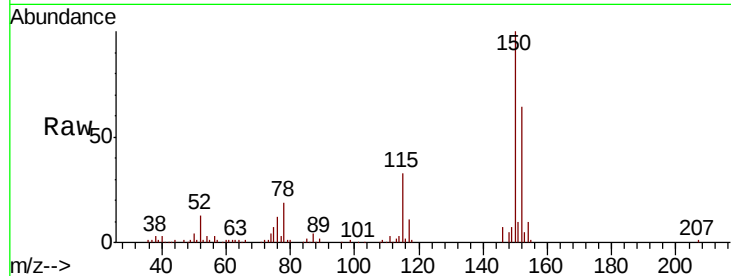
#88
 1,4-Dichlorobenzene
 Concen: 0.997 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.2	54.6
148	76.3	32.5	97.4

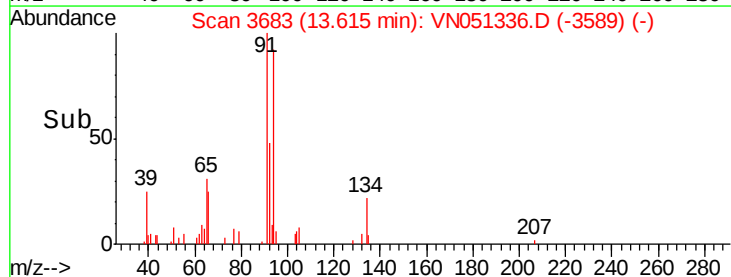
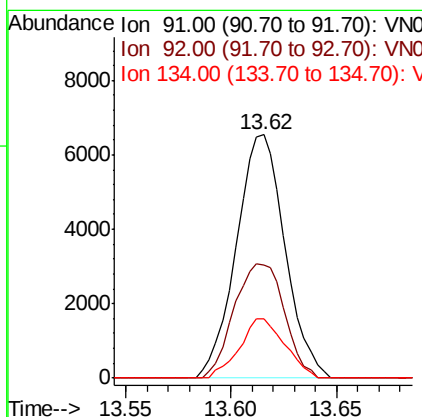
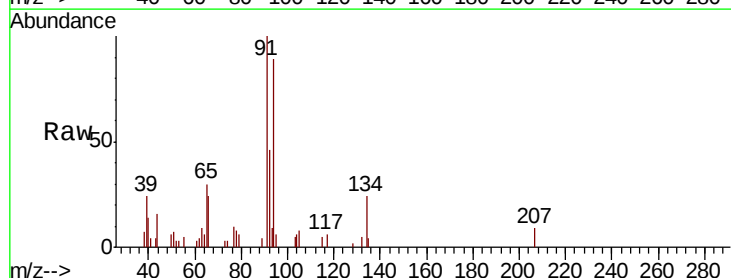
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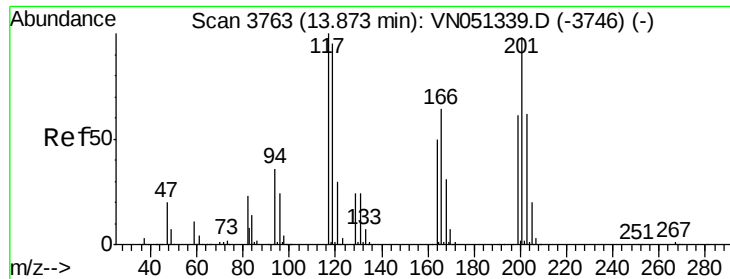
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#89
 n-Butylbenzene
 Concen: 0.755 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.4	26.0	78.0
134	22.7	14.1	42.4





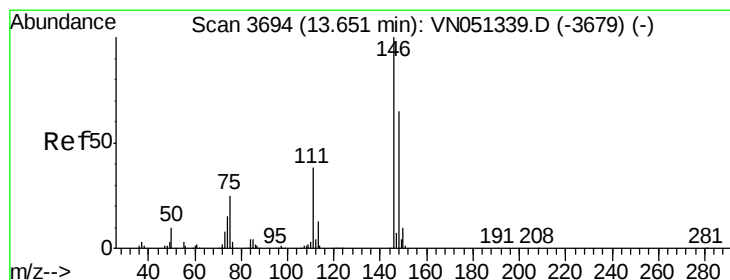
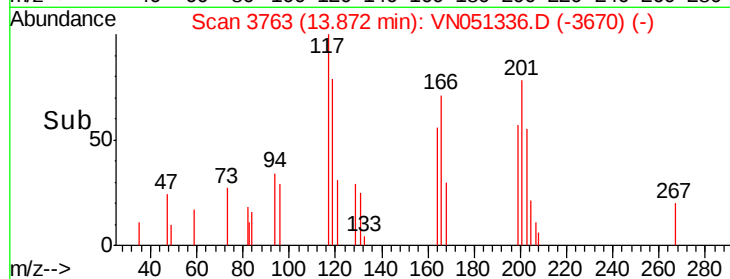
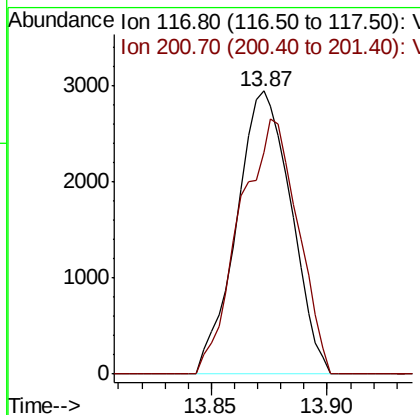
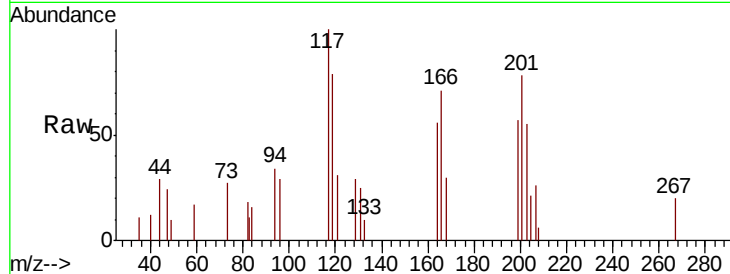
#90
Hexachloroethane
Concen: 1.258 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 4811
Ion Ratio Lower Upper
117 100
201 96.1 49.5 148.3

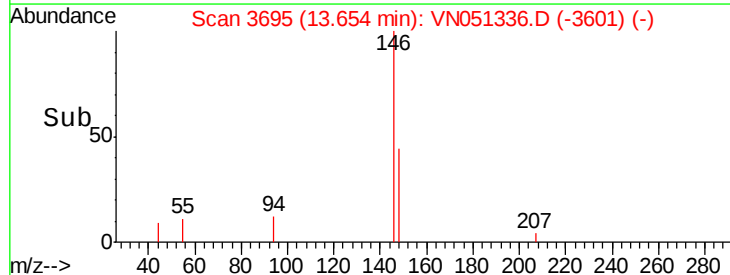
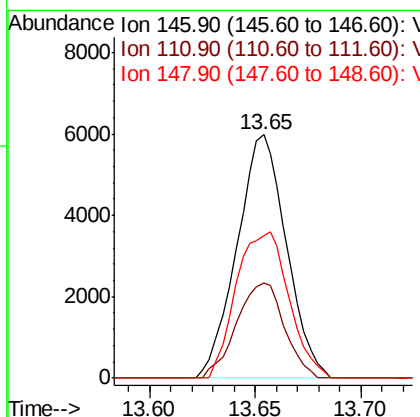
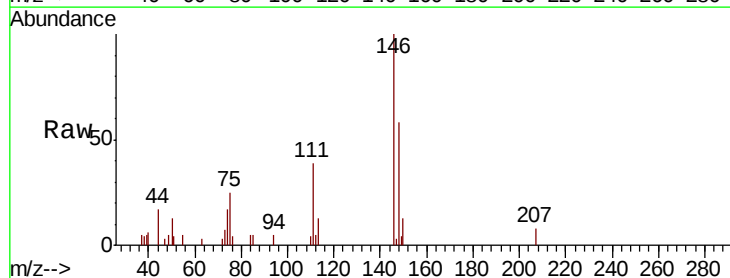
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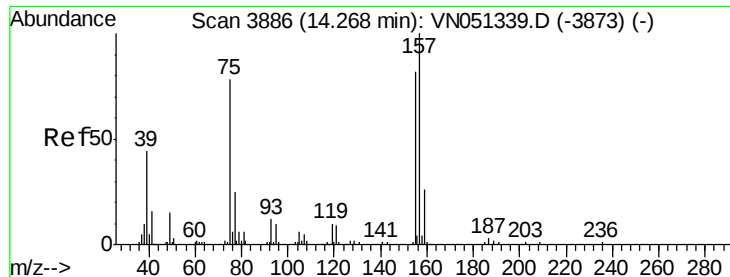
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 1.018 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051336.D
Acq: 20 Sep 2018 13:28

Tgt Ion:146 Resp: 9712
Ion Ratio Lower Upper
146 100
111 38.0 19.3 57.8
148 64.0 32.9 98.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.111 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 772

Ion Ratio Lower Upper

75 100

155 87.3 51.4 154.2

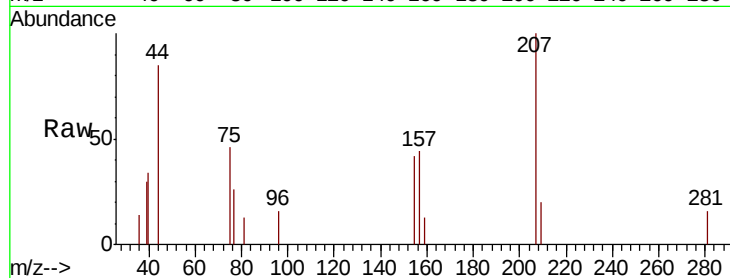
157 105.4 65.4 196.2

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Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN051339.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN051339.D (-3873) (-)

14.27

600

400

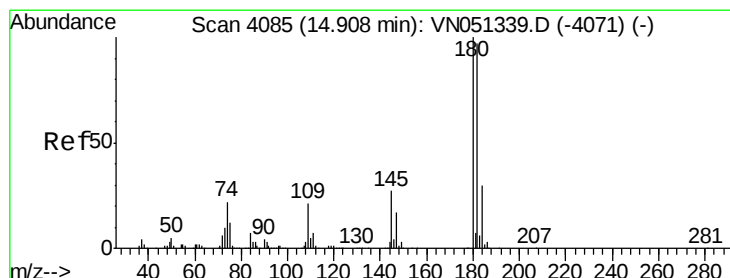
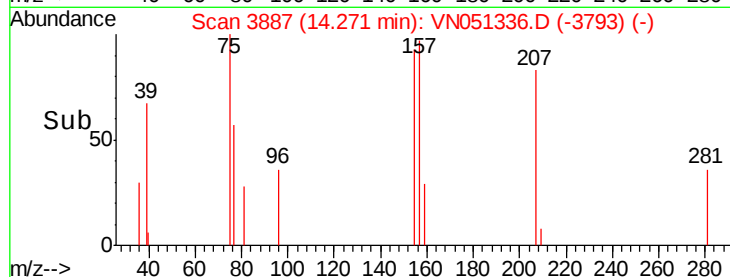
200

0

14.25

14.30

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.578 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

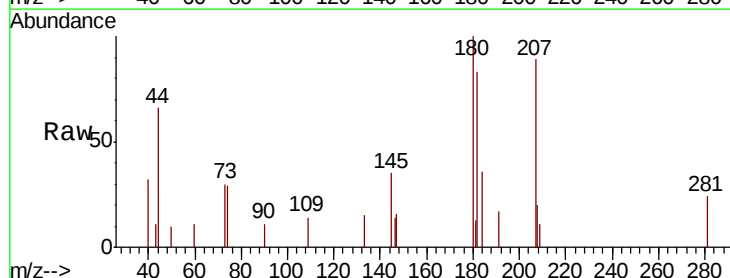
Tgt Ion:180 Resp: 2527

Ion Ratio Lower Upper

180 100

182 87.8 48.4 145.2

145 29.3 13.7 41.1



Abundance Ion 179.80 (179.50 to 180.50): VN051339.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN051339.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN051339.D (-4071) (-)

14.91

2000

1500

1000

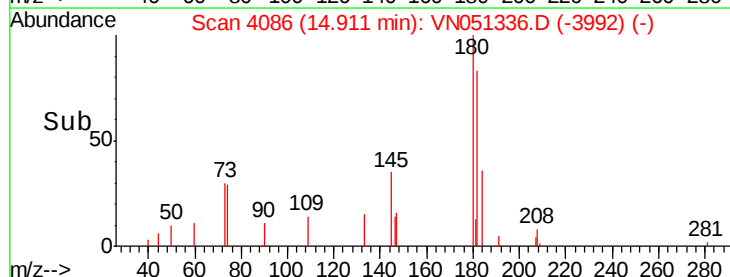
500

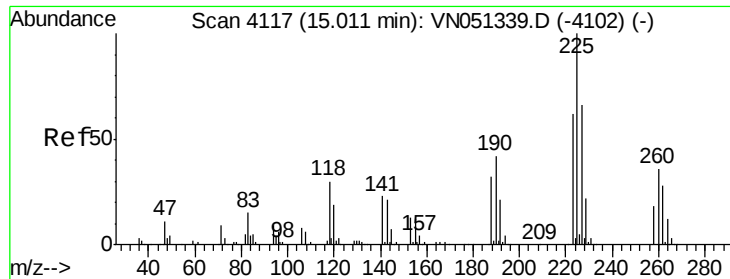
0

14.90

14.95

Time-->





#94

Hexachlorobutadiene

Concen: 1.122 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051336.D

Acq: 20 Sep 2018 13:28

Instrument :

MSVOA_N

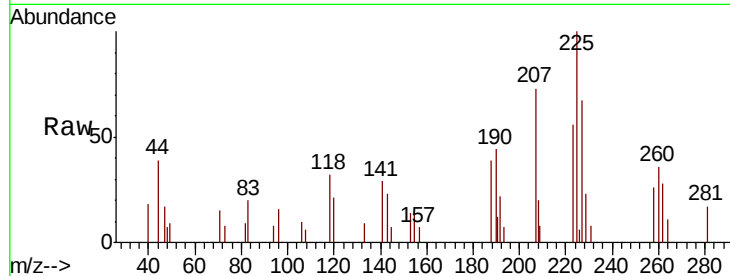
ClientSampleId :

VSTDIC001

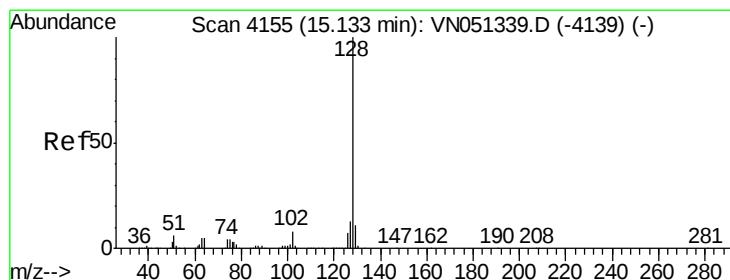
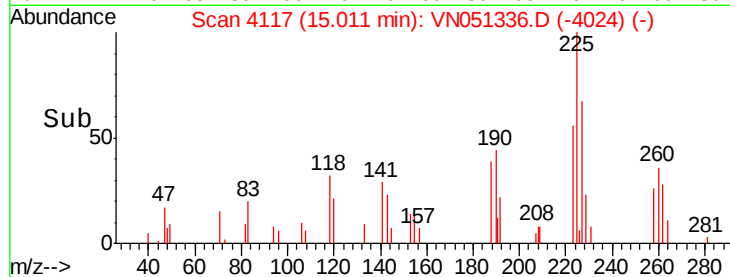
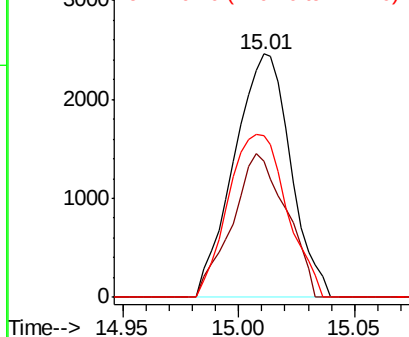
Tot Ion:	225	Resp:	4153
Ion	Ratio	Lower	Upper
225	100		
223	56.7	31.2	93.6
227	69.8	32.8	98.4

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.572 ug/l

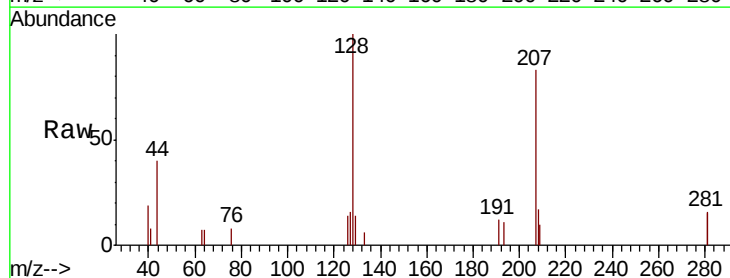
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

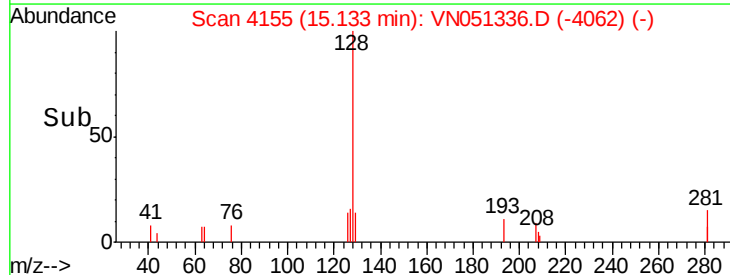
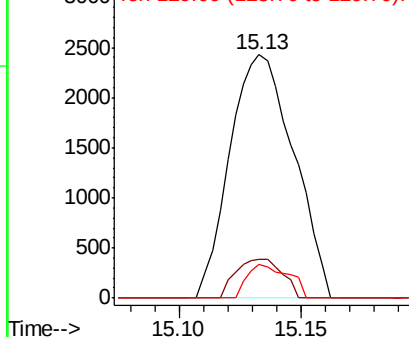
Lab File: VN051336.D

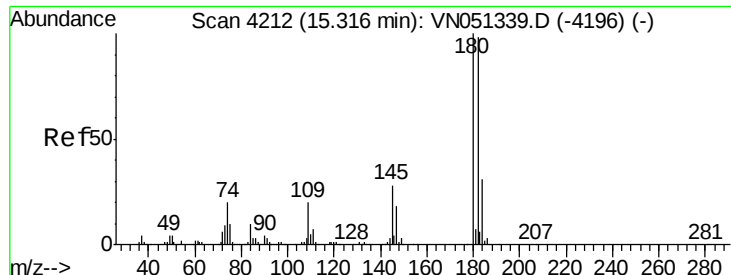
Acq: 20 Sep 2018 13:28

Tgt Ion:	128	Resp:	4408
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.3	15.5
129	8.9	8.6	13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.645 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN051336.D
 Acq: 20 Sep 2018 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.2	48.1	144.3
145	32.5	14.3	42.9

Manual Integrations
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