

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050907.D
 Acq On : 28 Aug 2018 12:01
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:09:47 AM

Quant Time: Aug 29 01:25:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	115658	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596374	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	522849	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222327	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	216137	27.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.67%
63) Toluene-d8	10.09	98	750346	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	28291	3.94	ug/l	98
3) Chloromethane	2.06	50	40582	4.78	ug/l	100
4) Vinyl Chloride	2.18	62	39999	4.77	ug/l	97
5) Bromomethane	2.56	94	27252	5.34	ug/l	96
6) Chloroethane	2.70	64	25375	5.13	ug/l	99
7) Trichlorofluoromethane	3.01	101	54552	4.91	ug/l	96
8) Diethyl Ether	3.41	74	17832	4.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	34468	5.01	ug/l	99
10) 1,1-Dichloroethene	3.73	96	29407	4.71	ug/l	98
11) Methyl Iodide	3.95	142	19825	3.40	ug/l	96
12) Methyl Acetate	4.33	43	31123	4.31	ug/l	99
13) Acrolein	3.61	56	5756	35.97	ug/l	98
14) Acrylonitrile	4.99	53	54019	22.11	ug/l #	89
15) Acetone	3.82	58	18819	30.10	ug/l	82
16) Carbon Disulfide	4.05	76	92322	4.91	ug/l	100
17) Allyl chloride	4.32	41	44606	4.54	ug/l	97
18) Methylene Chloride	4.55	84	37702	5.14	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	32094	4.82	ug/l	92
20) Diisopropyl ether	5.95	45	88369	4.33	ug/l	92
21) 1,1-Dichloroethane	5.85	63	61975	4.95	ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	35635	4.74	ug/l	98
23) tert-Butyl Alcohol	4.80	59	11285	21.72	ug/l #	1
24) Methyl tert-Butyl Ether	5.05	73	72908	4.27	ug/l	95
25) Chloroform	7.37	83	62506	5.00	ug/l	95
26) Cyclohexane	7.65	56	44540	4.30	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	42016	4.71	ug/l	98
30) 2-Butanone	6.84	43	76411	27.82	ug/l #	95
31) 2,2-Dichloropropane	6.82	77	42257	4.86	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	51455	5.08	ug/l	99
33) Carbon Tetrachloride	7.77	117	46353	5.08	ug/l	97
34) Benzene	8.04	78	139442	5.05	ug/l #	71
35) Methacrylonitrile	7.18	41	13464	4.47	ug/l	92
36) 1,2-Dichloroethane	8.13	62	43310	5.18	ug/l	99
37) Trichloroethene	8.83	130	36859	5.11	ug/l	97
38) Methylcyclohexane	9.08	83	43913	4.58	ug/l	96
39) 1,2-Dichloropropane	9.12	63	35949	4.98	ug/l	97
40) Dibromomethane	9.21	93	22112	5.09	ug/l	99

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VSTDIC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	46074	5.03	ug/l	97
42) Vinyl Acetate	5.90	43	281299	22.23	ug/l	100
43) Ethyl Acetate	6.93	43	25289	4.49	ug/l #	91
44) Isopropyl Acetate	8.17	43	44282	4.46	ug/l	95
45) 1,4-Dioxane	9.20	88	6273	85.05	ug/l #	85
46) Methyl methacrylate	9.20	41	21258	4.28	ug/l	98
47) n-amyl Acetate	12.07	43	30464	3.82	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	39387	4.39	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	46907	4.55	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	31152	4.93	ug/l	94
51) Ethyl methacrylate	10.43	69	32430	4.20	ug/l	96
52) 1,3-Dichloropropane	10.71	76	50977	4.87	ug/l	97
53) Dibromochloromethane	10.90	129	35185	4.90	ug/l	98
54) 1,2-Dibromoethane	11.01	107	30114	4.82	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	62715	19.51	ug/l	99
56) Bromoform	12.13	173	23641	4.63	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	164195	27.45	ug/l	98
59) 2-Hexanone	10.75	43	103163	26.38	ug/l	95
61) Tetrachloroethene	10.63	164	34172	5.24	ug/l	98
62) Toluene	10.16	91	147806	5.07	ug/l	100
64) Chlorobenzene	11.44	112	90610	5.01	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	34356	5.03	ug/l	97
66) Ethyl Benzene	11.51	91	138273	4.58	ug/l	98
67) m/p-Xylenes	11.62	106	104802	9.02	ug/l	99
68) o-Xylene	11.95	106	48433	4.36	ug/l	95
69) Styrene	11.97	104	72921	4.13	ug/l	98
70) Isopropylbenzene	12.25	105	130204	4.41	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	41137	5.15	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	33119m	4.82	ug/l	
73) Bromobenzene	12.53	156	37435	4.82	ug/l	99
74) n-propylbenzene	12.59	91	144855	4.34	ug/l	100
75) 2-Chlorotoluene	12.67	91	96057	4.74	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	106628	4.42	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	8251	4.20	ug/l	92
78) 4-Chlorotoluene	12.77	91	86735	4.35	ug/l	98
79) tert-butylbenzene	12.99	119	92919	4.44	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	99027	4.12	ug/l	99
81) sec-Butylbenzene	13.17	105	121955	4.45	ug/l	99
82) p-Isopropyltoluene	13.29	119	98490	4.16	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	56921	4.34	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	49626	3.99	ug/l	99
85) n-Butylbenzene	13.62	91	63378	3.51	ug/l	99
86) Hexachloroethane	13.87	117	23206	5.11	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	58325	4.51	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4616	4.13	ug/l #	89
89) 1,2,4-Trichlorobenzene	14.91	180	15057	2.62	ug/l	96
90) Hexachlorobutadiene	15.01	225	19491	4.99	ug/l	98
91) Naphthalene	15.14	128	27631	2.24	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	17216	2.98	ug/l	95

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

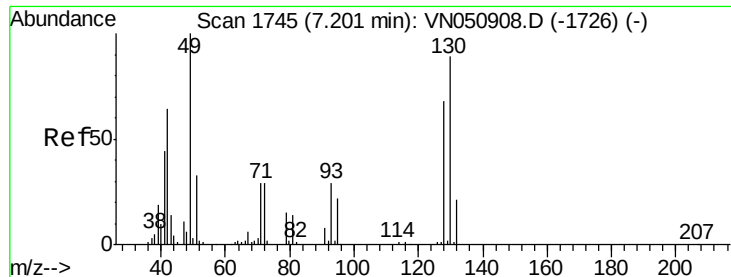
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

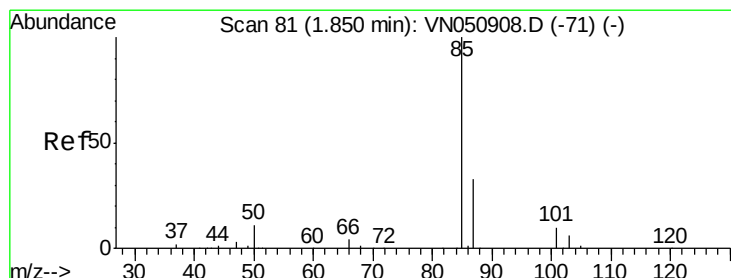
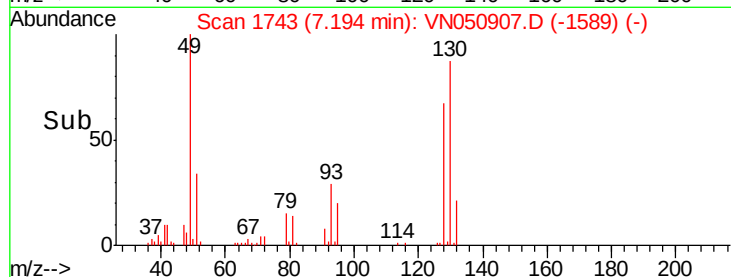
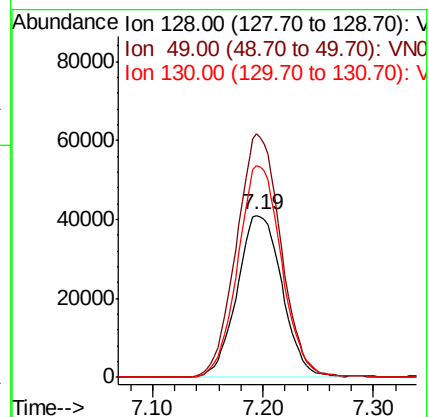
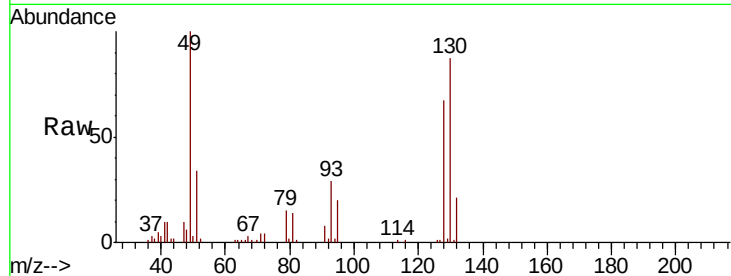
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	115658
Ion	Ratio	Lower	Upper
128	100		
49	148.5	0.0	380.3
130	127.3	0.0	325.3

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#2

Dichlorodifluoromethane

Concen: 3.94 ug/l

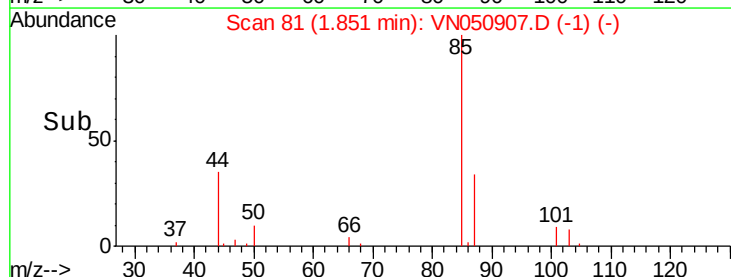
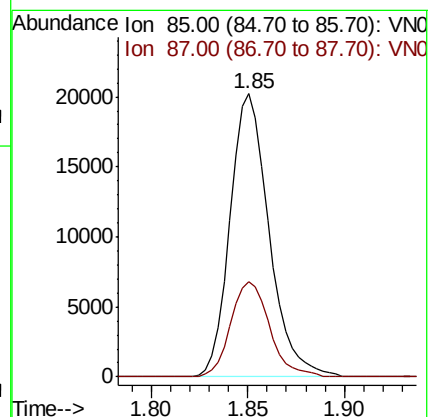
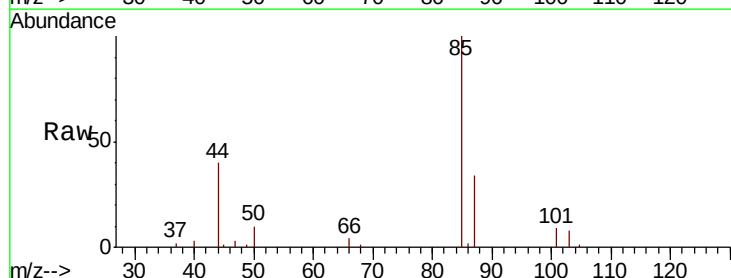
RT: 1.85 min Scan# 81

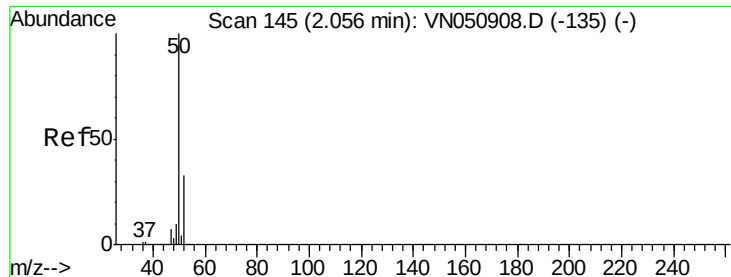
Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	85	Resp:	28291
Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.4	49.1





#3

Chloromethane

Concen: 4.78 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 40582

Ion Ratio Lower Upper

50 100

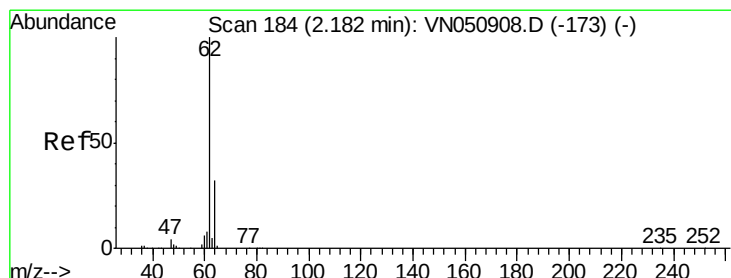
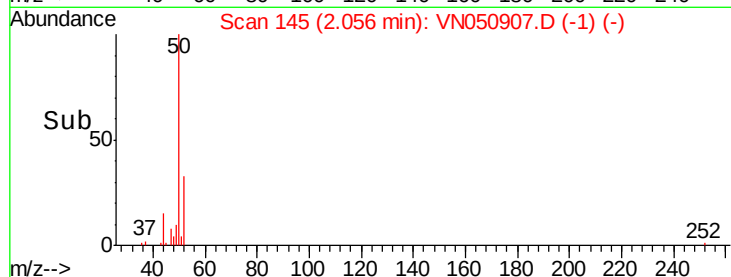
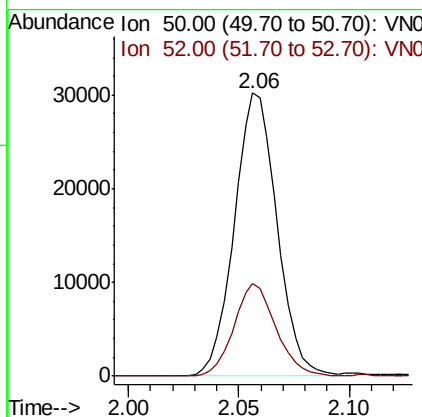
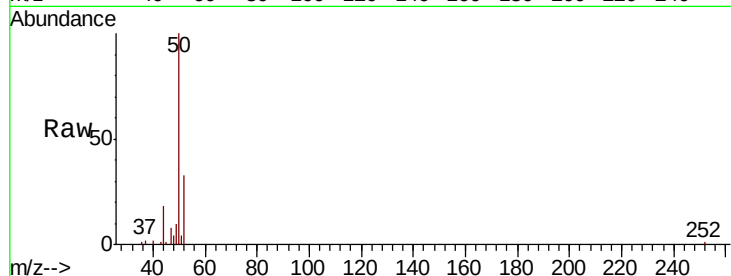
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.77 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050907.D

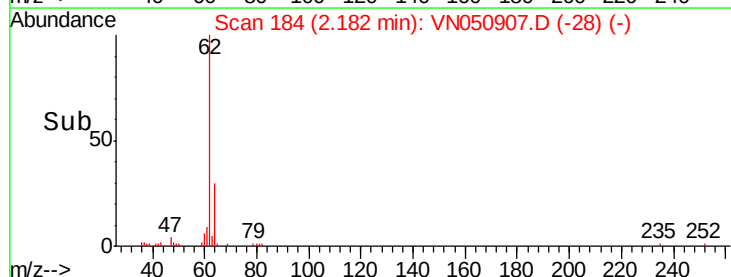
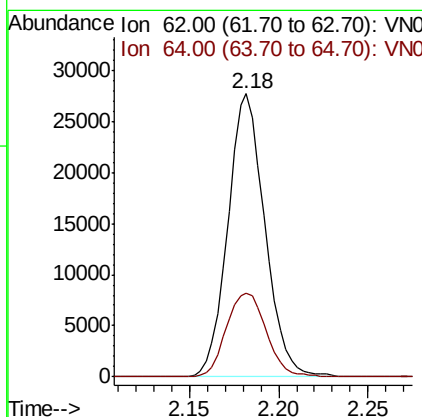
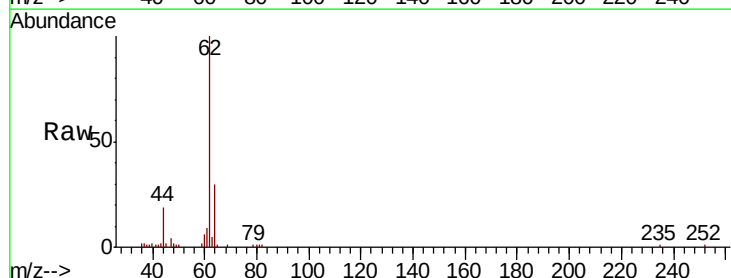
Acq: 28 Aug 2018 12:01

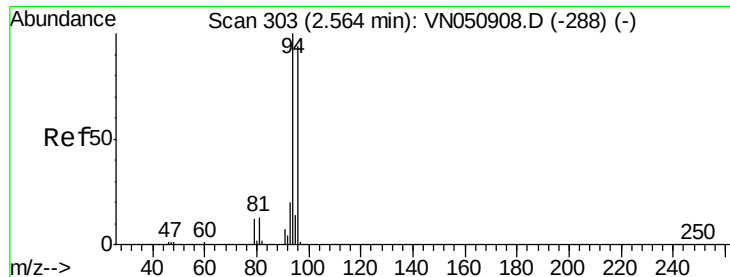
Tgt Ion: 62 Resp: 39999

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 5.34 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 27252

Ion Ratio Lower Upper

94 100

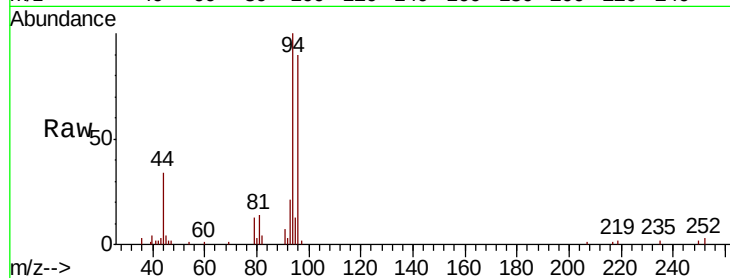
96 89.8 74.9 112.3

Manual Integrations

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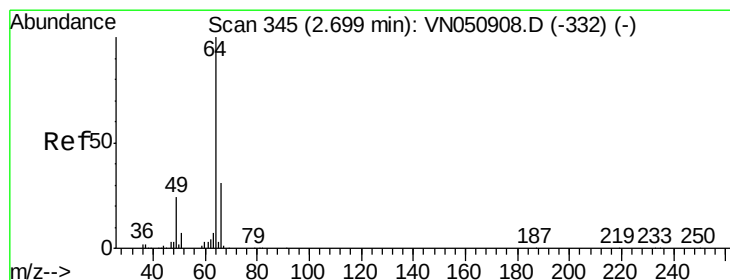
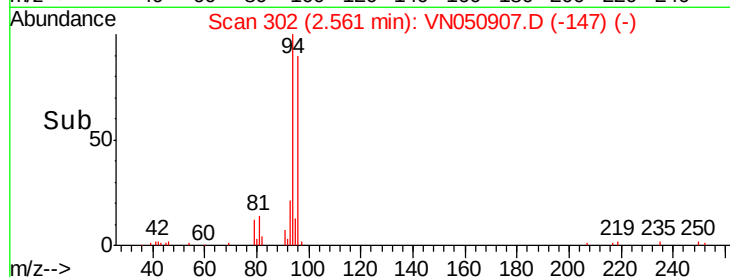
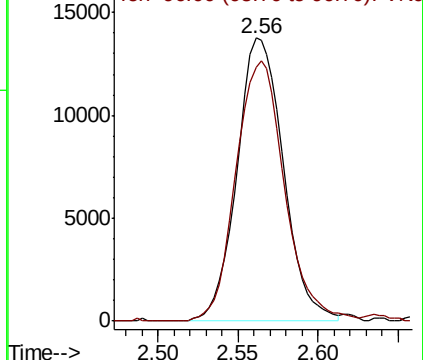
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.13 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050907.D

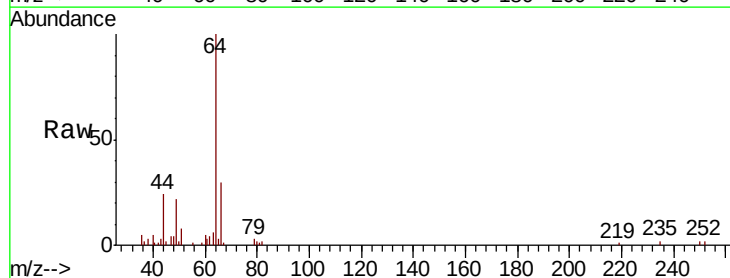
Acq: 28 Aug 2018 12:01

Tgt Ion: 64 Resp: 25375

Ion Ratio Lower Upper

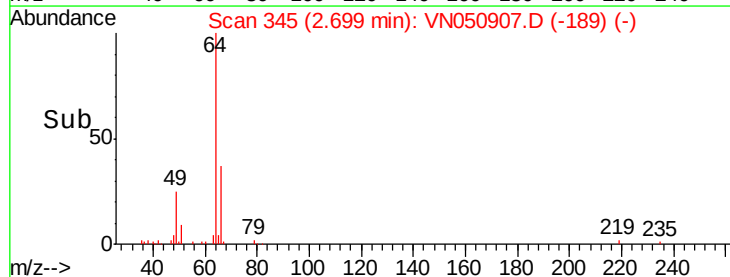
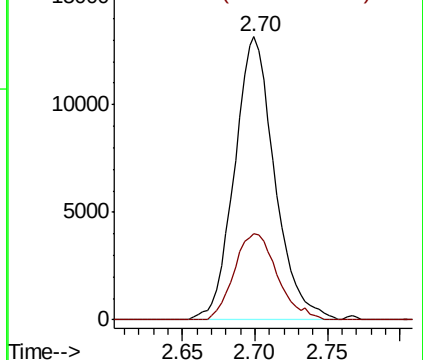
64 100

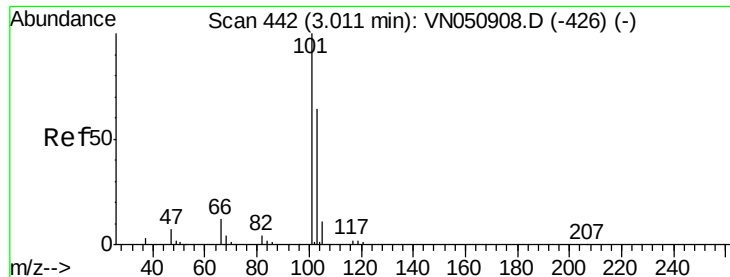
66 30.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 4.91 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 54552

Ion Ratio Lower Upper

101 100

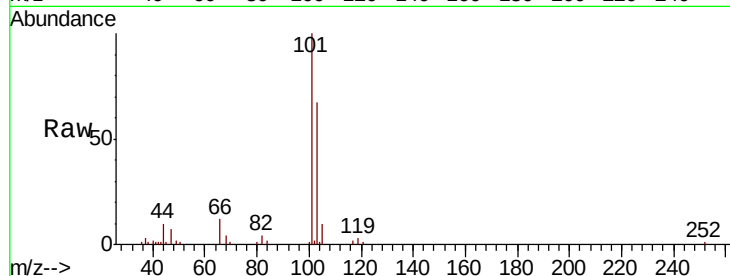
103 67.3 51.3 76.9

Manual Integrations

APPROVED

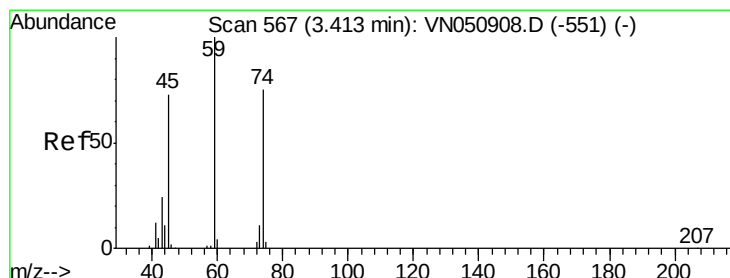
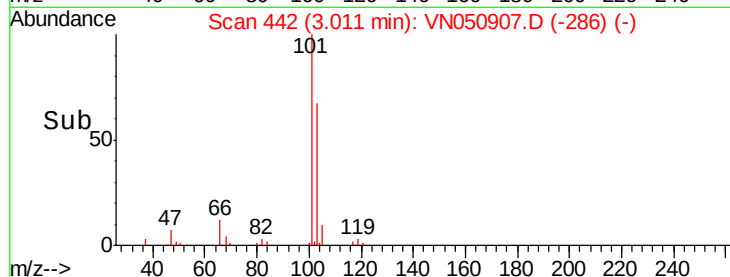
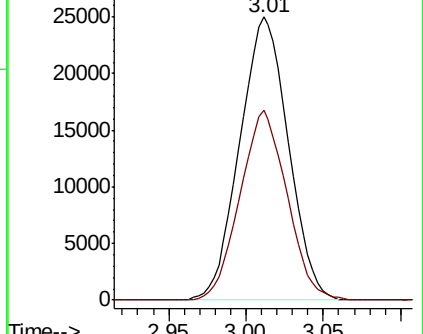
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.55 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050907.D

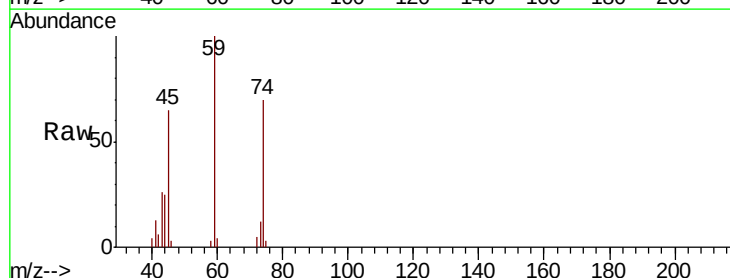
Acq: 28 Aug 2018 12:01

Tgt Ion: 74 Resp: 17832

Ion Ratio Lower Upper

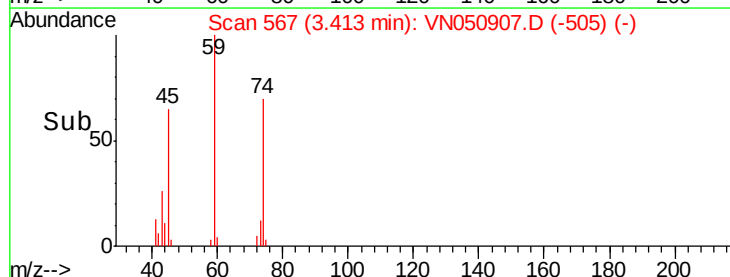
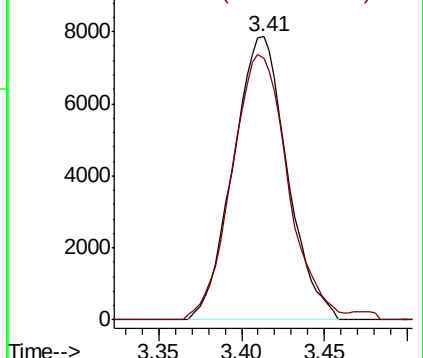
74 100

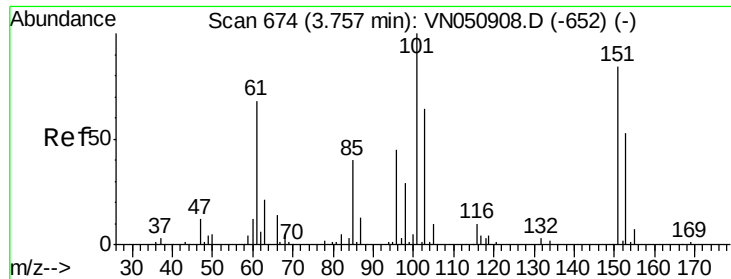
45 97.5 19.7 177.1



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.01 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

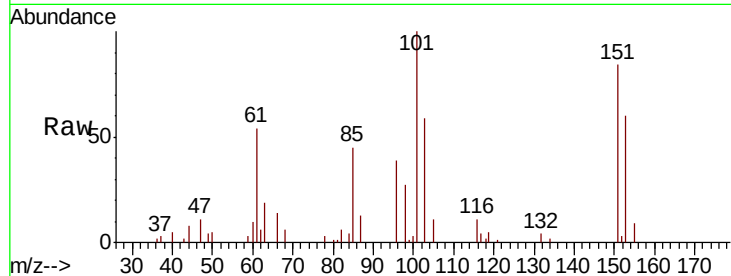
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	34468
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	83.6
151	83.5	0.0	167.0

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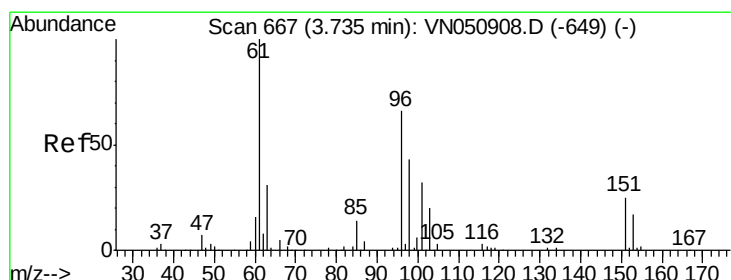
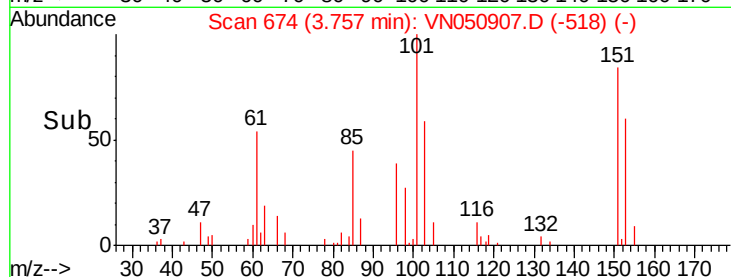
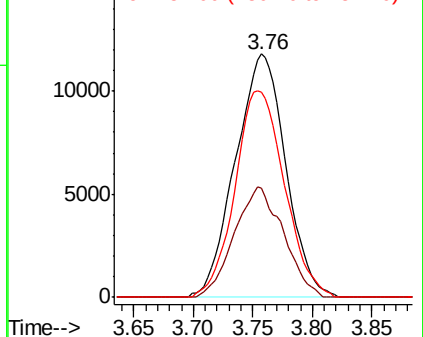


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.71 ug/l

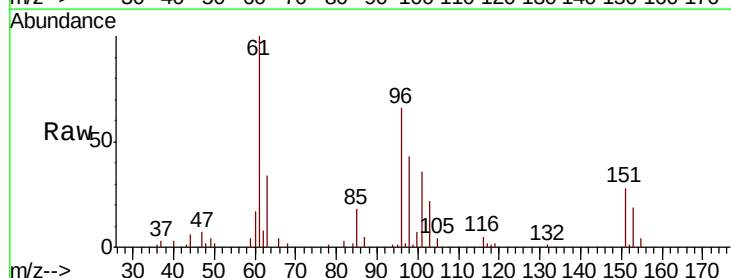
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	96	Resp:	29407
Ion Ratio	Lower	Upper	
96	100		
61	149.6	121.8	182.8
98	65.1	52.3	78.5

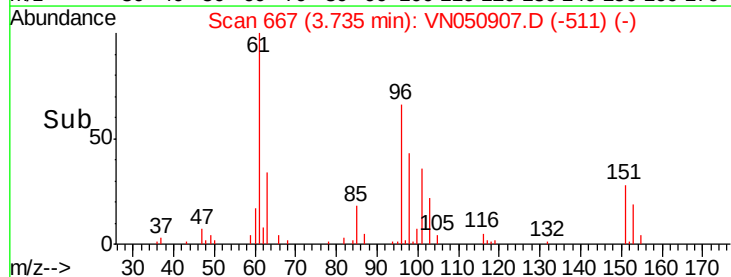
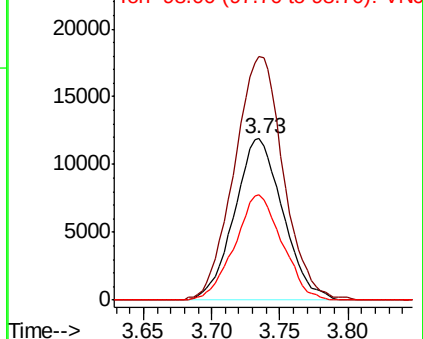


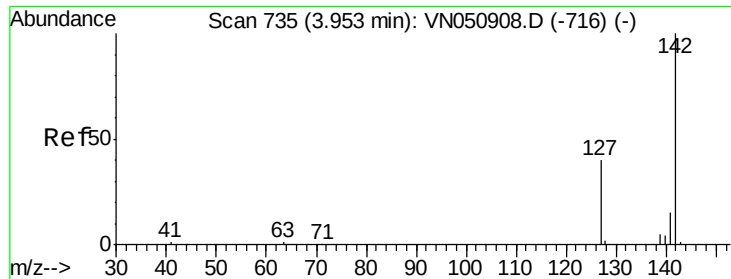
Abundance

Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





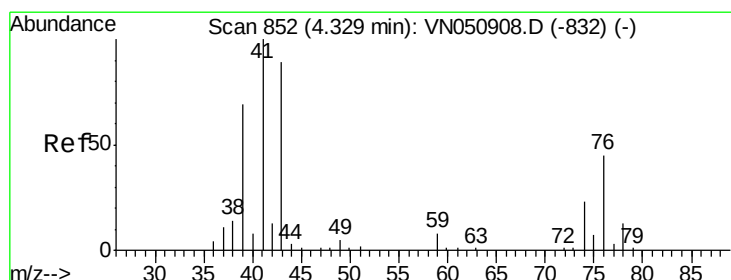
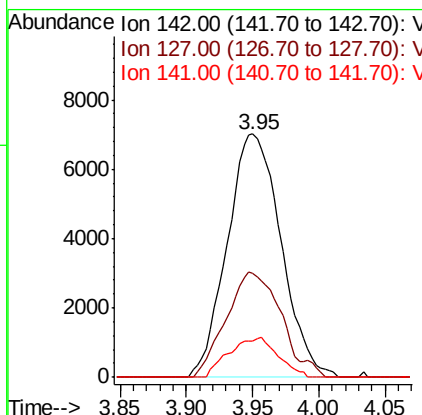
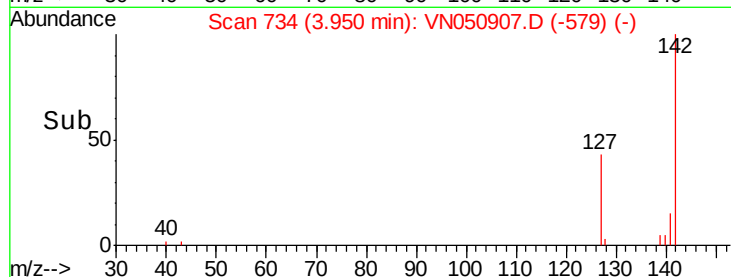
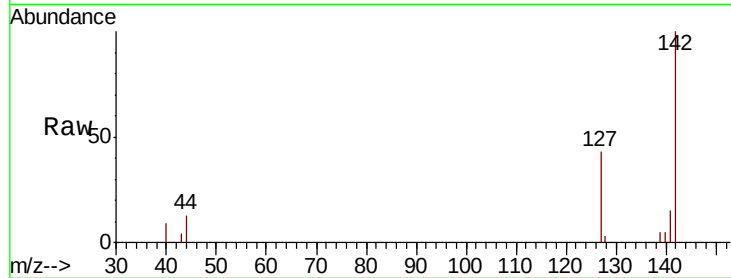
#11
Methyl Iodide
Concen: 3.40 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.9	19.7	59.1
141	15.1	7.3	22.0

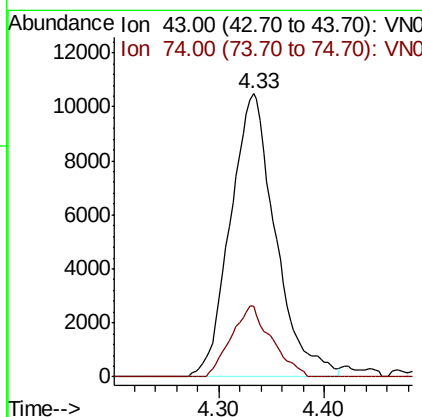
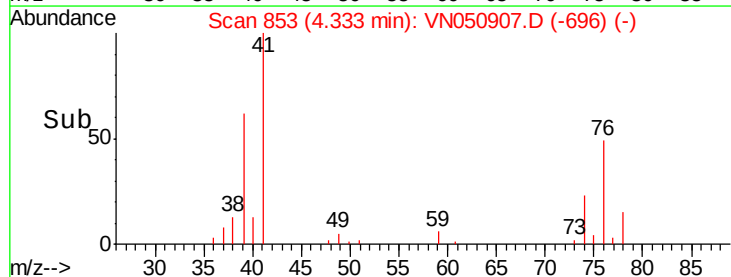
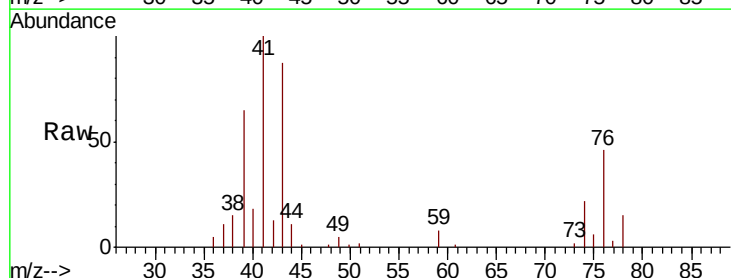
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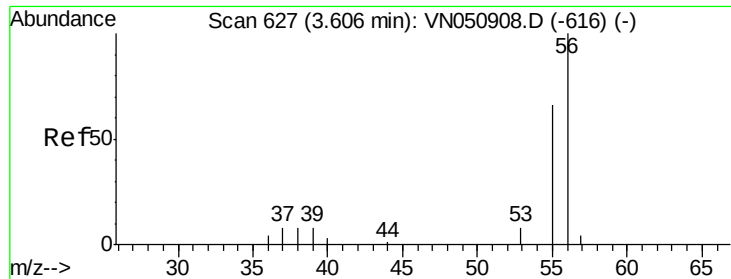
MMDadoda
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#12
Methyl Acetate
Concen: 4.31 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.6	31.0





#13

Acrolein

Concen: 35.97 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 5756

Ion Ratio Lower Upper

56 100

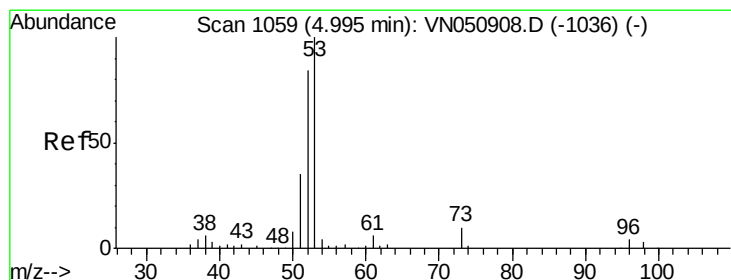
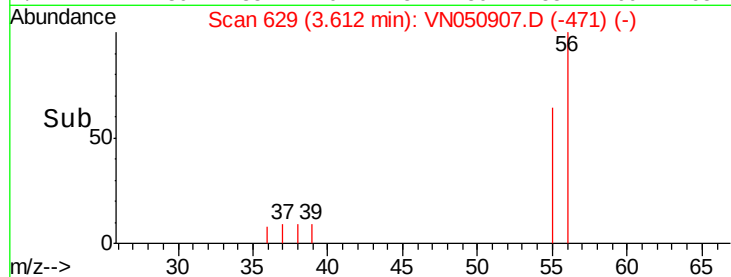
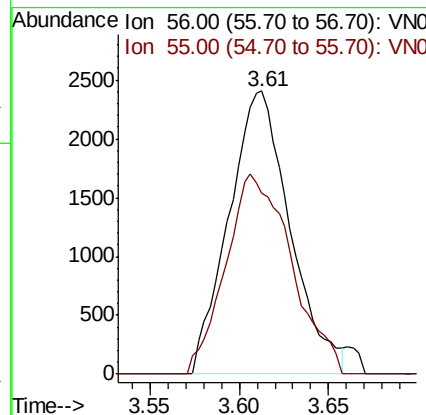
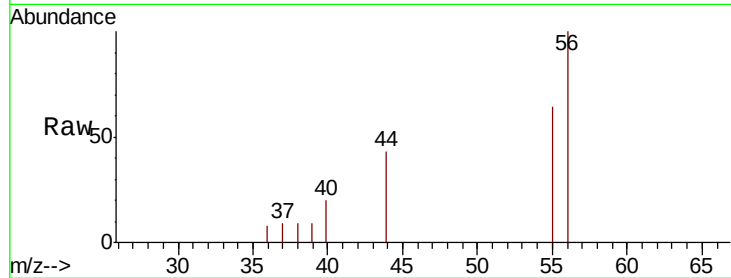
55 75.7 59.1 88.7

Manual Integrations

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#14

Acrylonitrile

Concen: 22.11 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

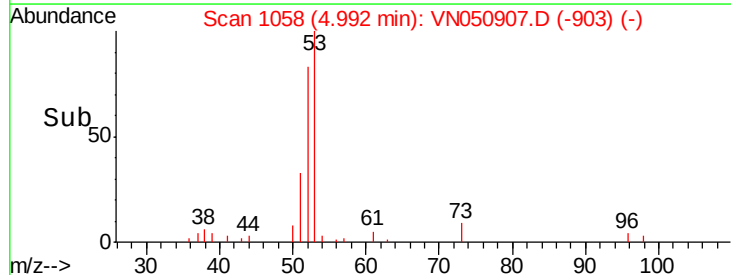
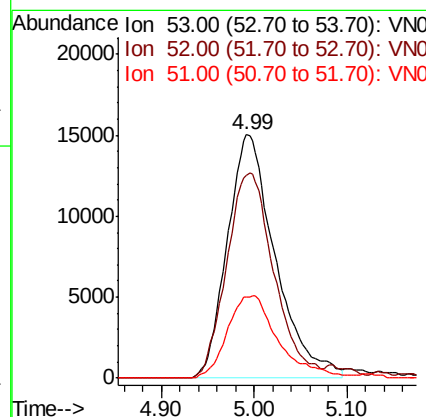
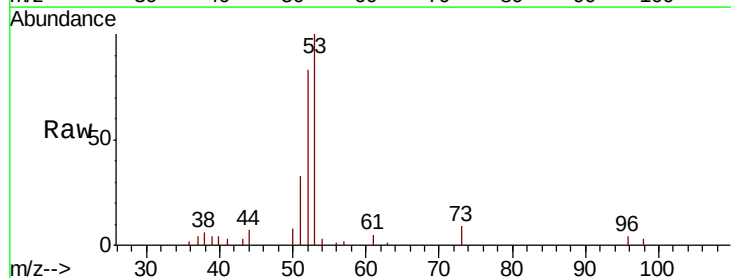
Tgt Ion: 53 Resp: 54019

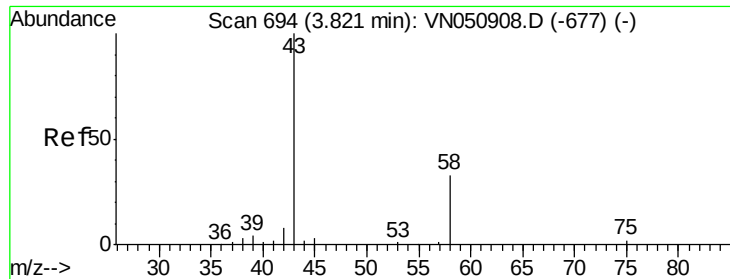
Ion Ratio Lower Upper

53 100

52 82.8 42.2 126.6

51 16.2 17.7 53.1#





#15

Acetone

Concen: 30.10 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 18819

Ion Ratio Lower Upper

58 100

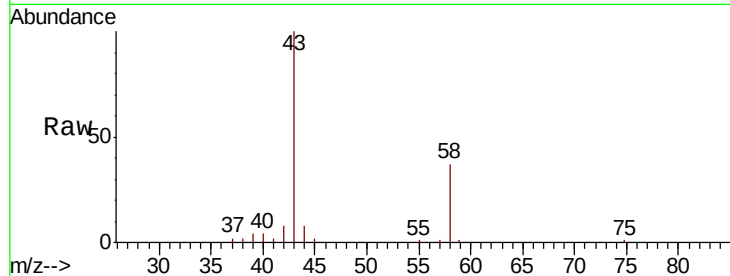
43 264.0 239.4 359.0

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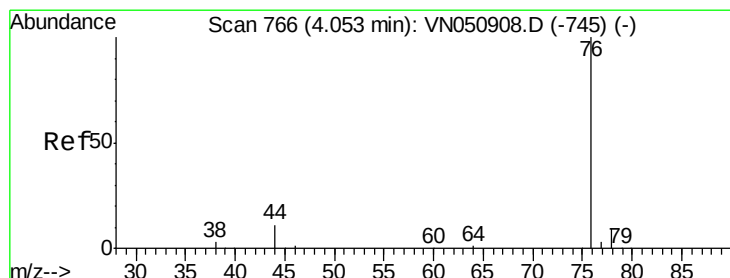
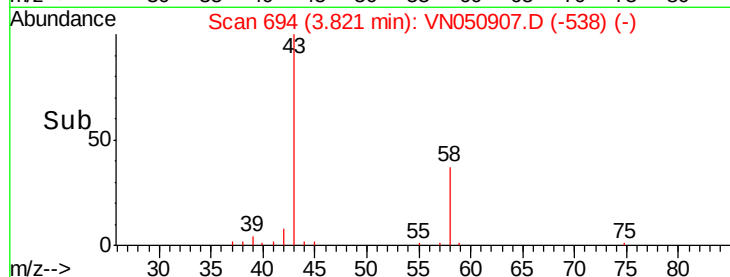
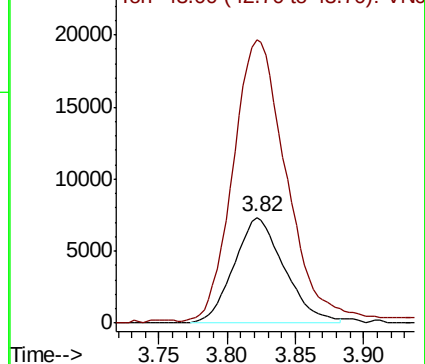
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Abundance Ion 58.00 (57.70 to 58.70): VN050907.D (-538) (-)



#16

Carbon Disulfide

Concen: 4.91 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050907.D

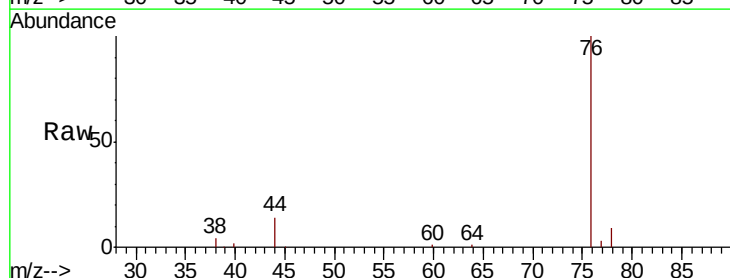
Acq: 28 Aug 2018 12:01

Tgt Ion: 76 Resp: 92322

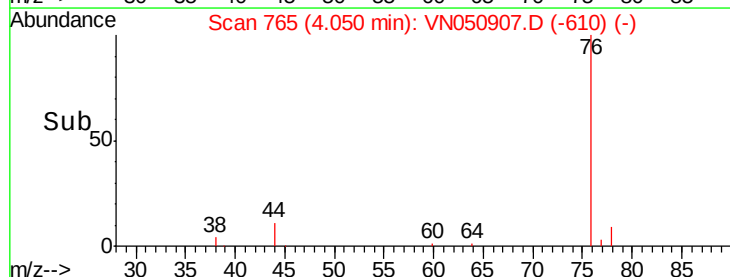
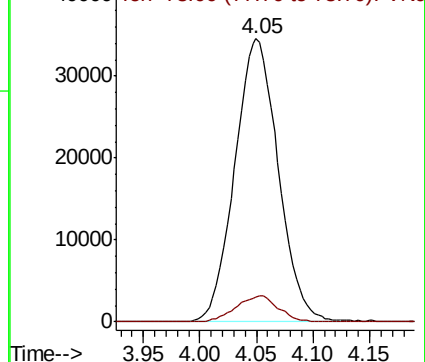
Ion Ratio Lower Upper

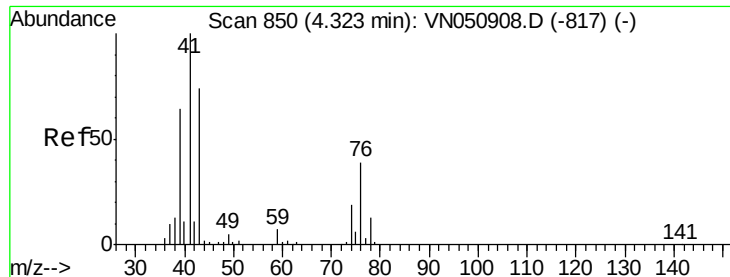
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050907.D (-610) (-)





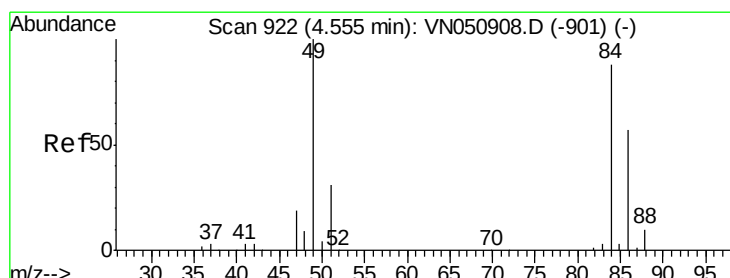
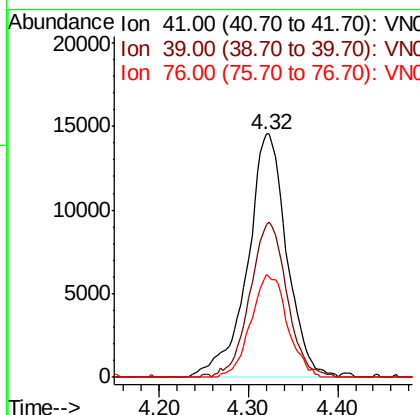
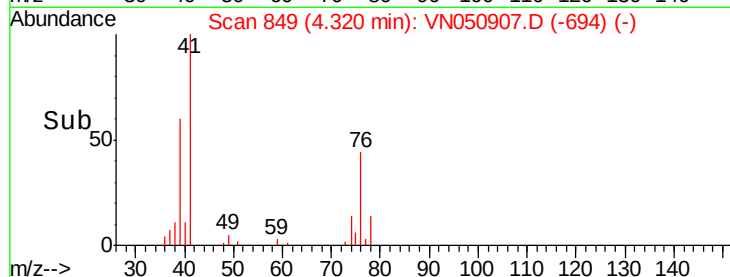
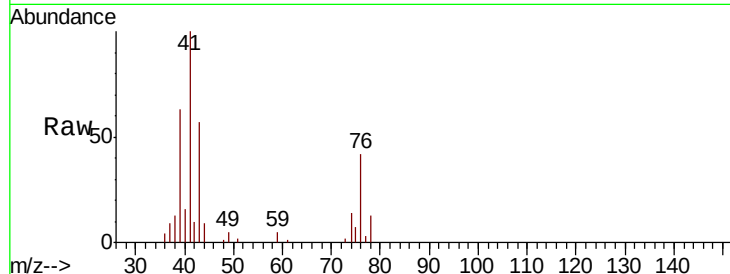
#17
Allvl chloride
Concen: 4.54 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	44606
Ion	Ratio	Lower	Upper
41	100		
39	63.0	32.2	96.6
76	42.4	19.6	58.7

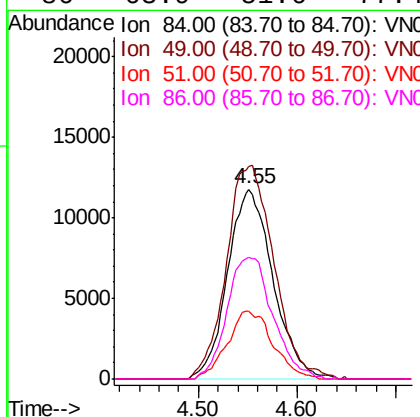
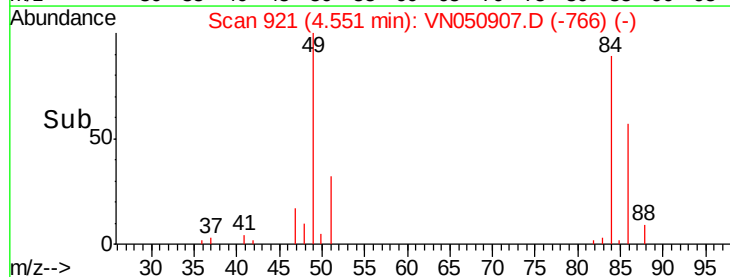
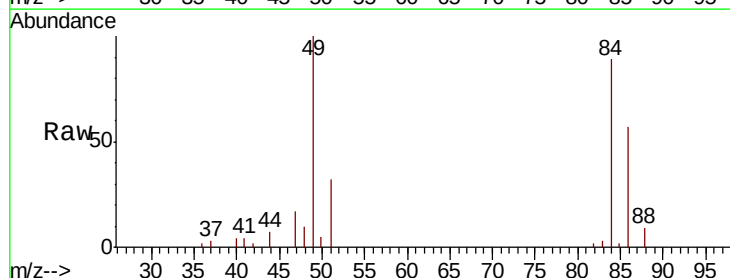
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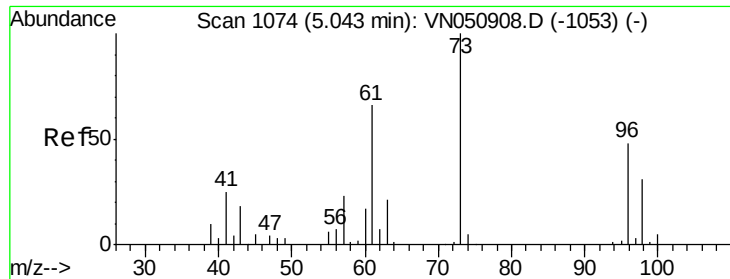
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#18
Methylene Chloride
Concen: 5.14 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:	84	Resp:	37702
Ion	Ratio	Lower	Upper
84	100		
49	112.1	90.6	135.8
51	35.7	28.4	42.6
86	63.9	51.6	77.4





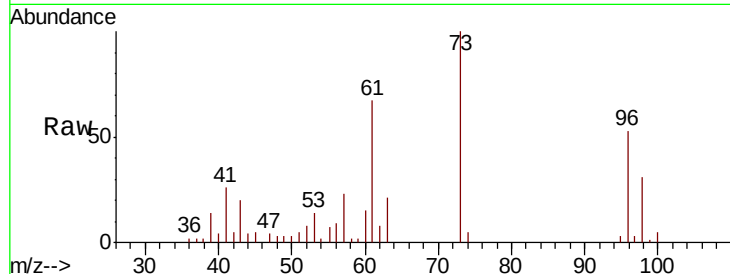
#19
trans-1,2-Dichloroethene
Concen: 4.82 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	109.5	164.3
98	58.1	51.9	77.9

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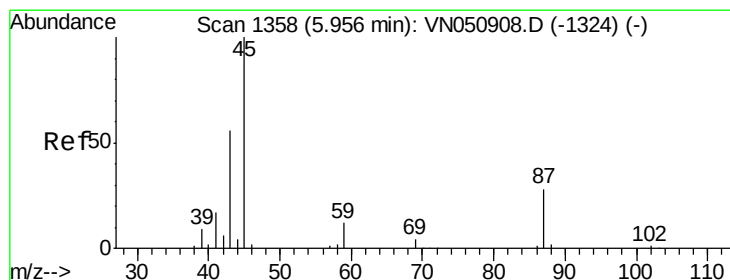
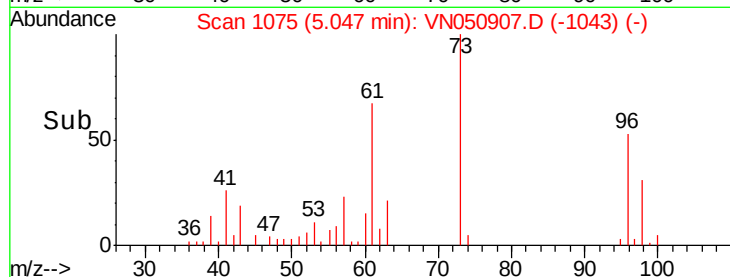
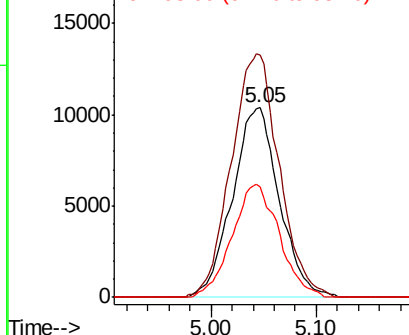


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 4.33 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	47.0	70.6
87	28.5	22.8	34.2
59	12.0	9.5	14.3

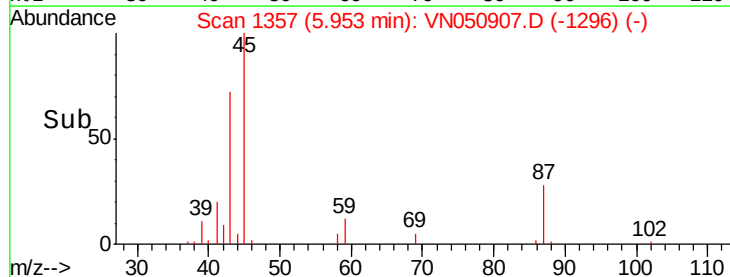
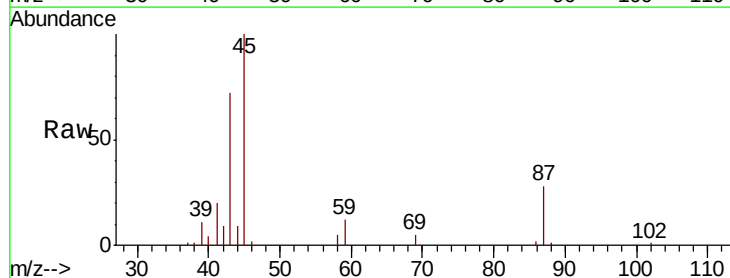
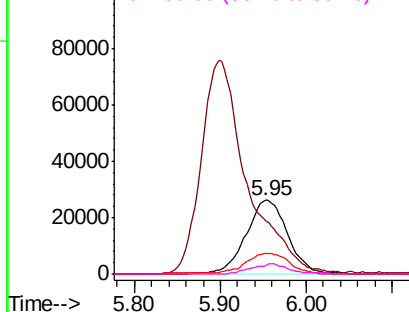
Abundance

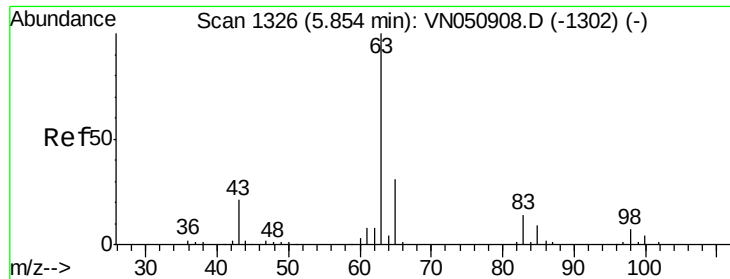
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





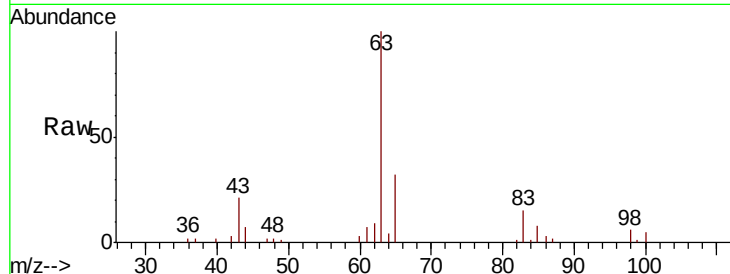
#21
 1,1-Dichloroethane
 Concen: 4.95 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

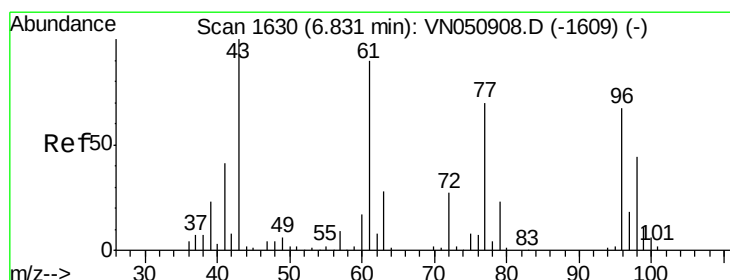
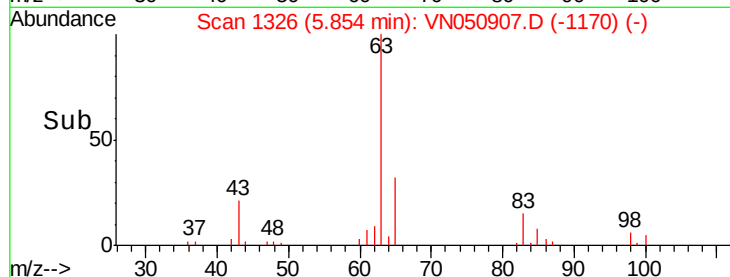
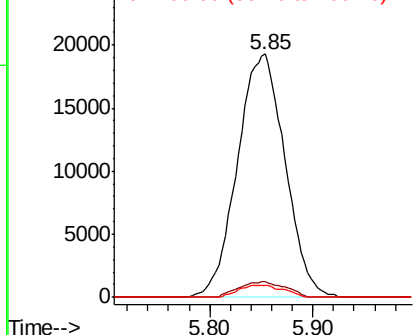
Tot Ion:	63	Resp:	61975
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.9
100	5.1	2.0	6.0

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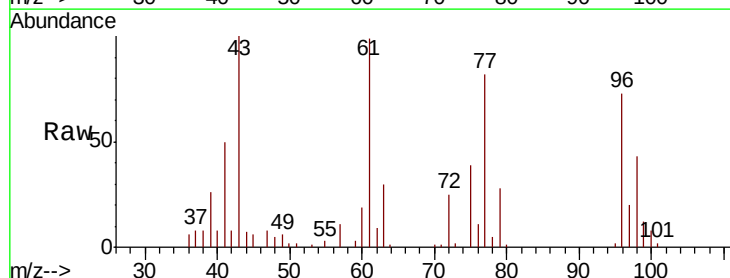


Abundance Ion 63.00 (62.70 to 63.70): VN050907.D (-1170) (-)
 Ion 98.00 (97.70 to 98.70): VN050907.D (-1170) (-)
 Ion 100.00 (99.70 to 100.70): VN050907.D (-1170) (-)

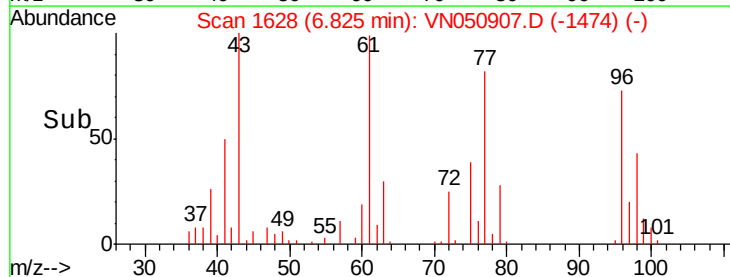
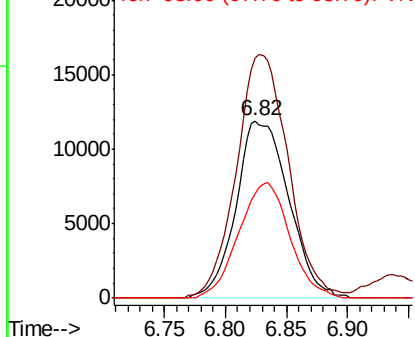


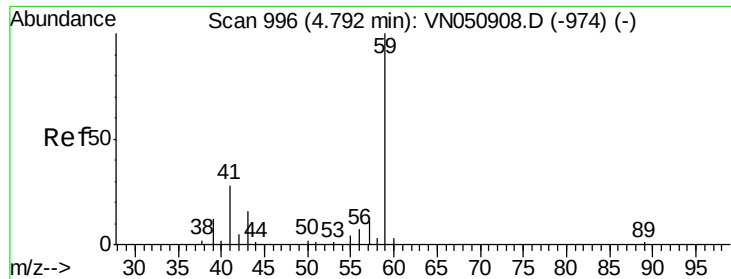
#22
 cis-1,2-Dichloroethene
 Concen: 4.74 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion:	96	Resp:	35635
Ion	Ratio	Lower	Upper
96	100		
61	135.4	110.0	165.0
98	63.1	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN050907.D (-1474) (-)
 Ion 61.00 (60.70 to 61.70): VN050907.D (-1474) (-)
 Ion 98.00 (97.70 to 98.70): VN050907.D (-1474) (-)





#23

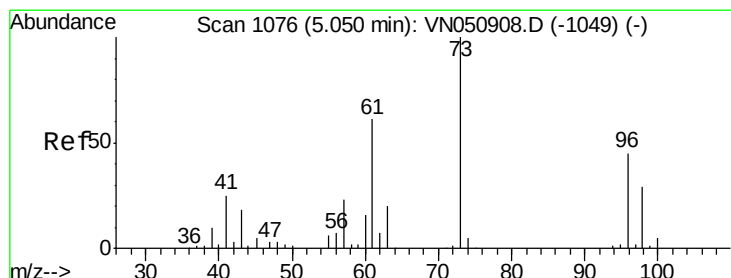
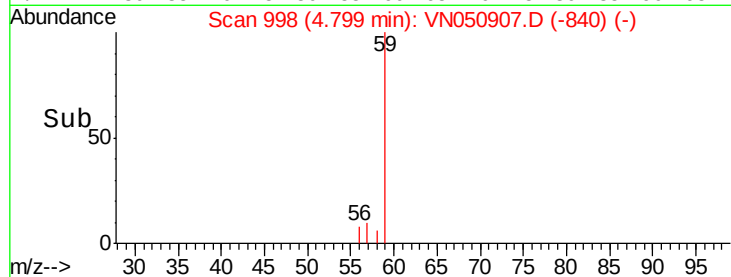
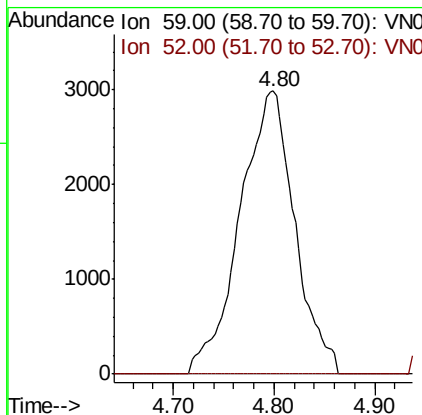
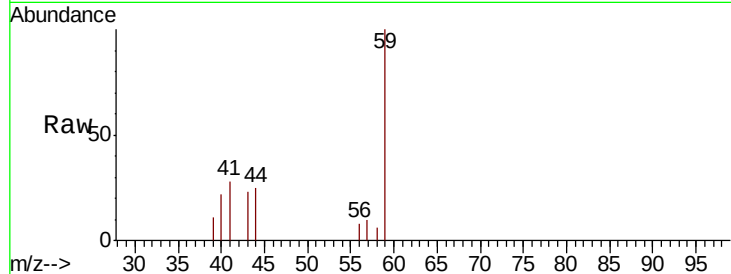
tert-Butyl Alcohol
 Concen: 21.72 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	59	52	Ratio	100	396.4	Resp:	11285	Lower	Upper
								0.1	0.1#

Manual Integrations
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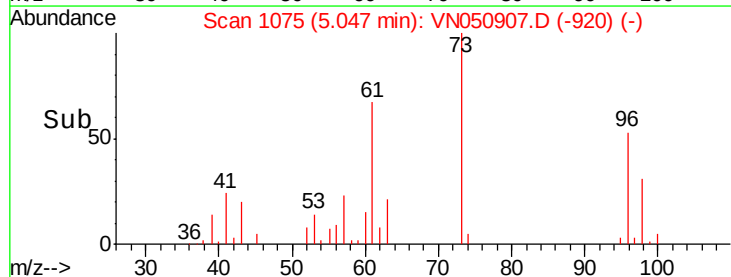
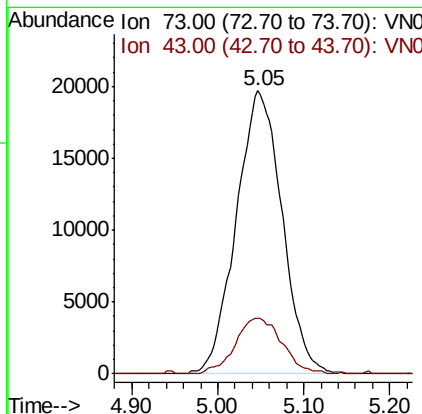
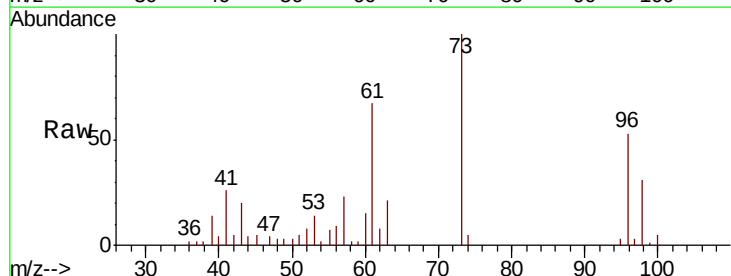
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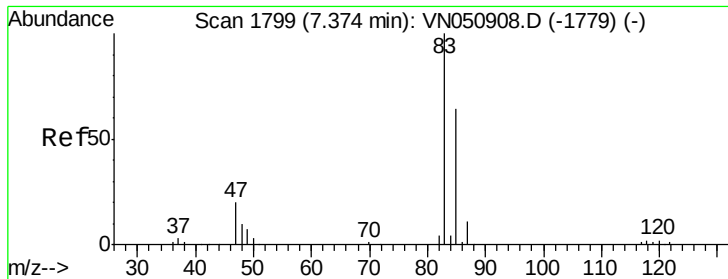


#24

Methyl tert-Butyl Ether
 Concen: 4.27 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	73	43	Ratio	100	20.1	Resp:	72908	Lower	Upper
								14.4	21.6





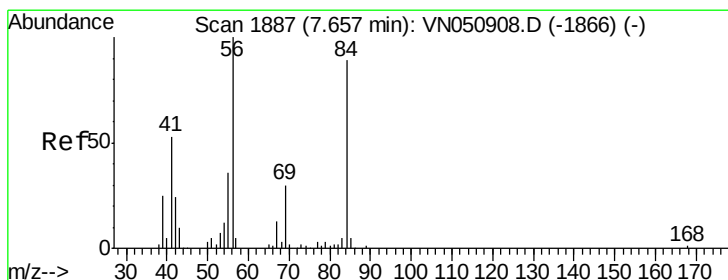
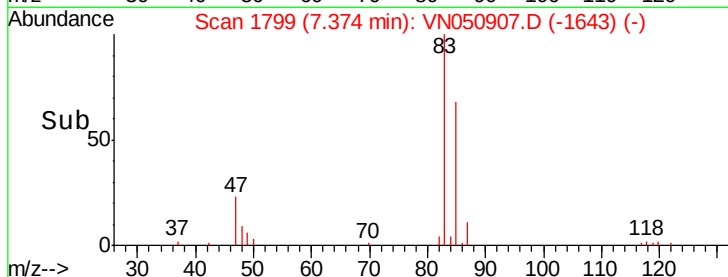
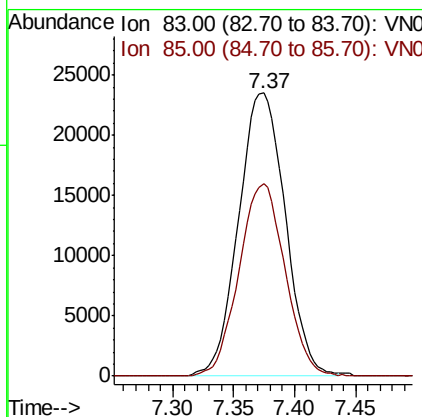
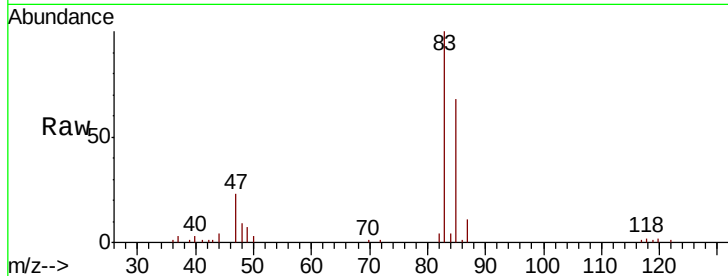
#25
Chloroform
Concen: 5.00 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 83 Resp: 62506
Ion Ratio Lower Upper
83 100
85 67.8 51.4 77.0

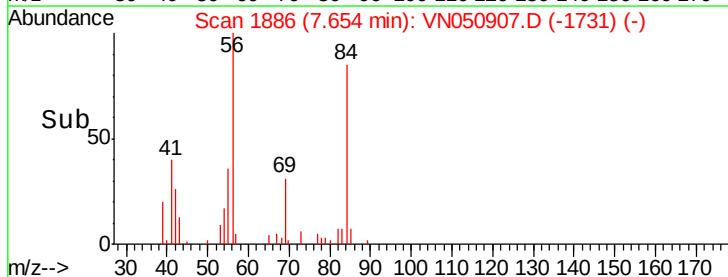
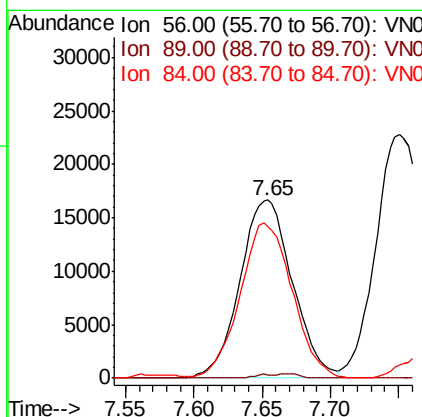
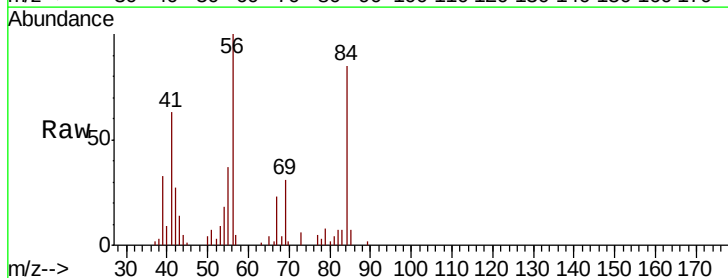
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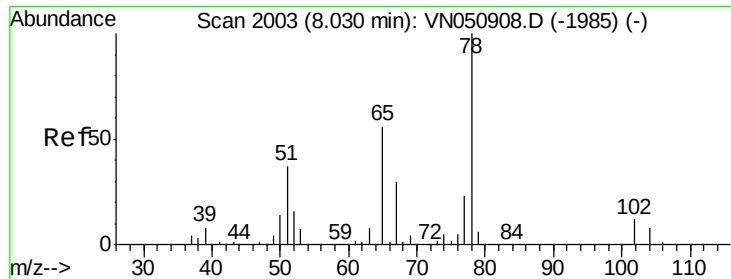
MMDadoda
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#26
Cyclohexane
Concen: 4.30 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 56 Resp: 44540
Ion Ratio Lower Upper
56 100
89 0.7 0.4 0.6#
84 86.4 70.4 105.6





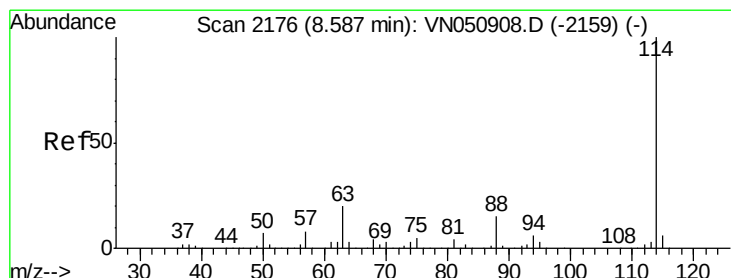
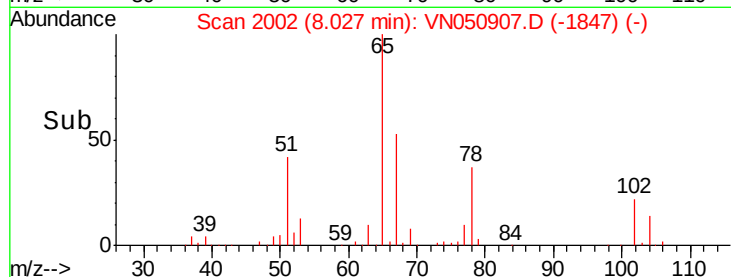
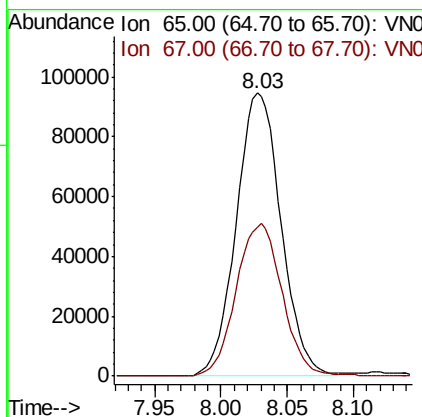
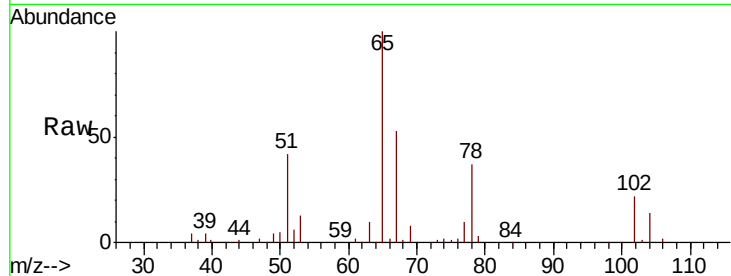
#27
 1,2-Dichloroethane-d4
 Concen: 30.12 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 65 Resp: 222327
 Ion Ratio Lower Upper
 65 100
 67 54.9 43.7 65.5

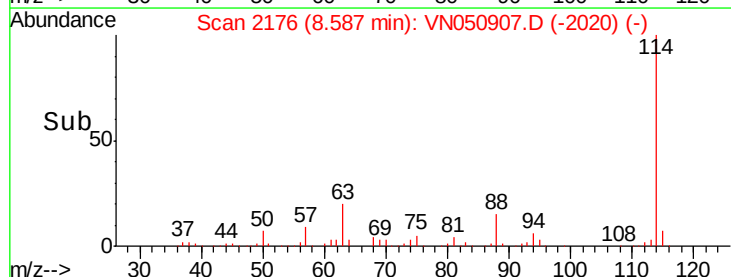
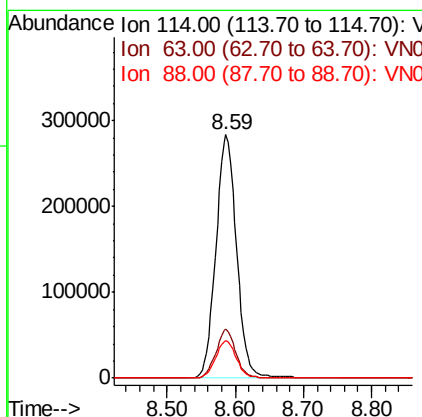
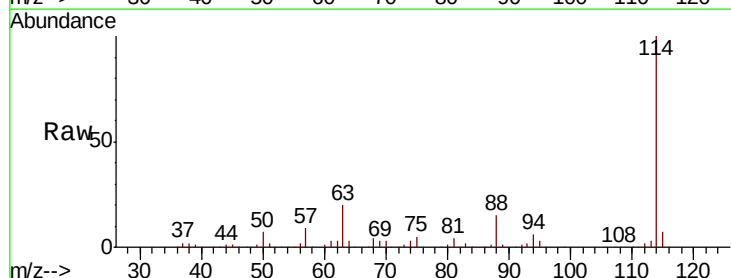
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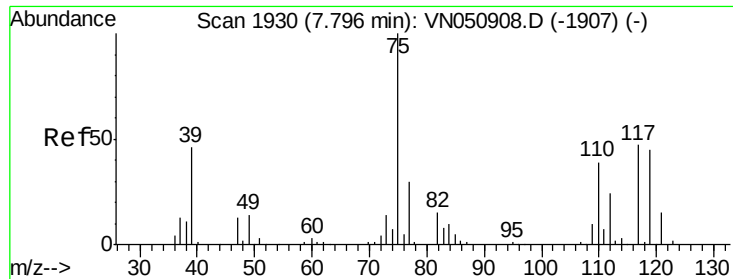
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 114 Resp: 596374
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.4 12.2 18.4





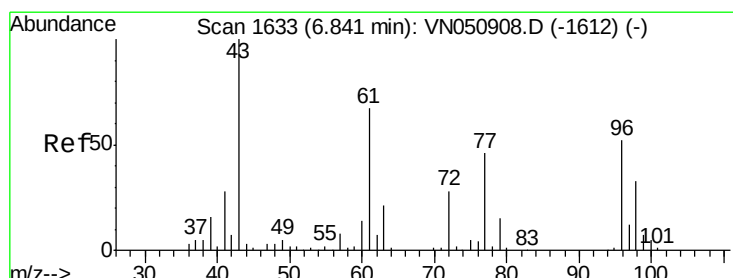
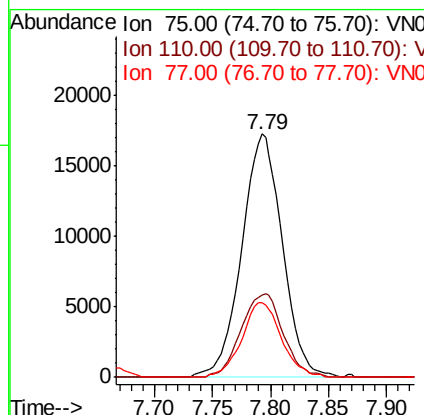
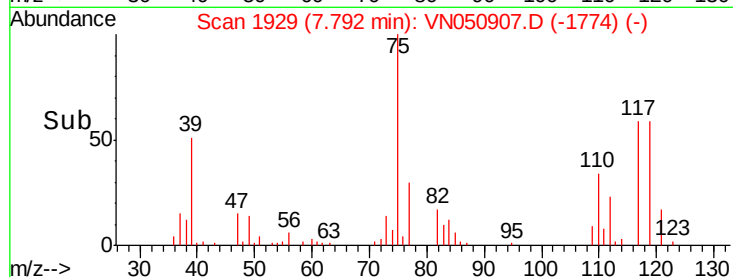
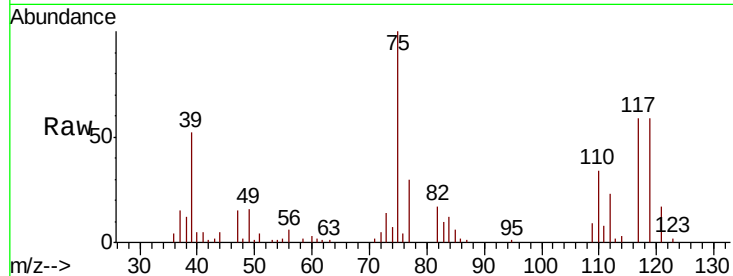
#29
 1,1-Dichloropropene
 Concen: 4.71 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
75	100	42016		
110	35.5		0.0	75.0
77	30.0		0.0	60.6

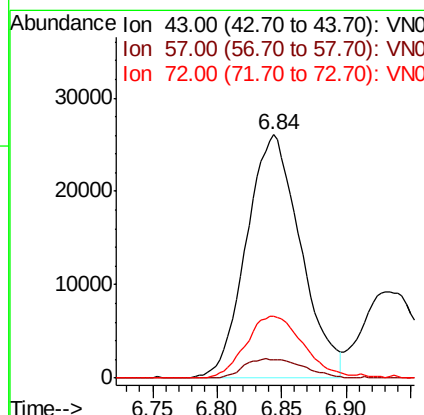
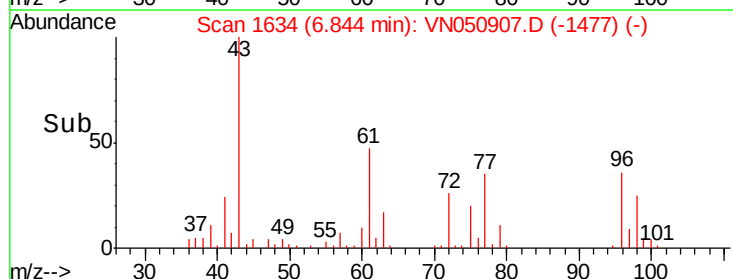
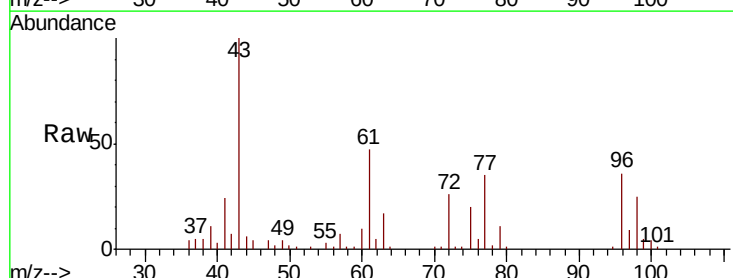
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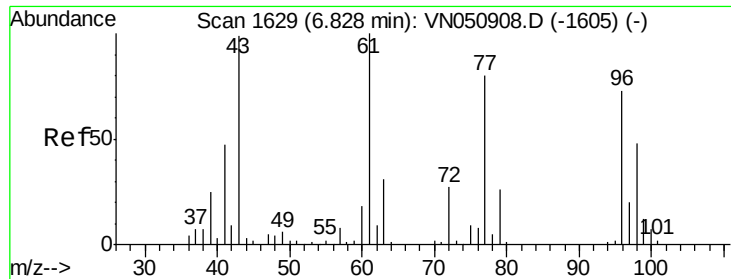
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#30
 2-Butanone
 Concen: 27.82 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	76411		
57	4.4		6.9	10.3#
72	26.8		22.8	34.2





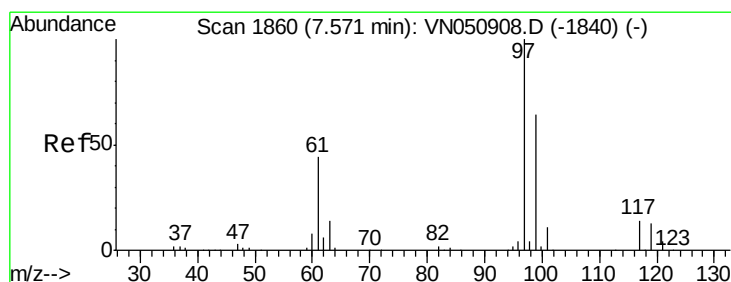
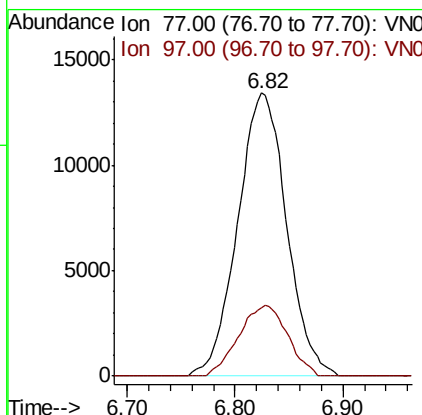
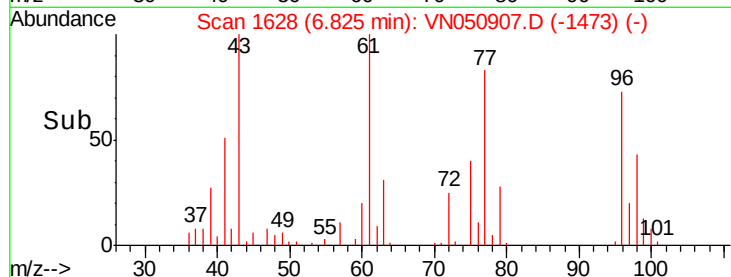
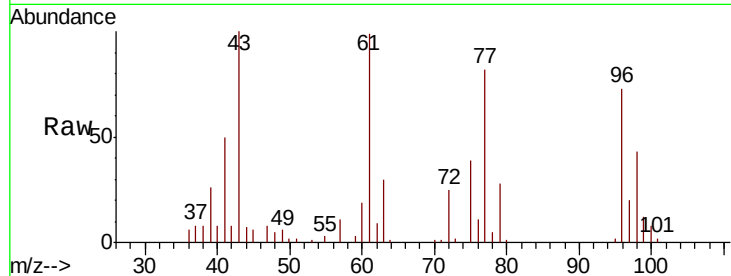
#31
 2,2-Dichloropropane
 Concen: 4.86 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.9	20.2	30.2

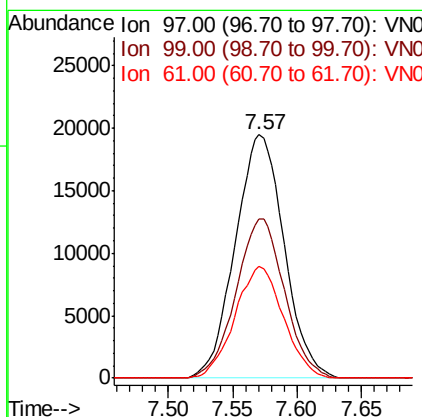
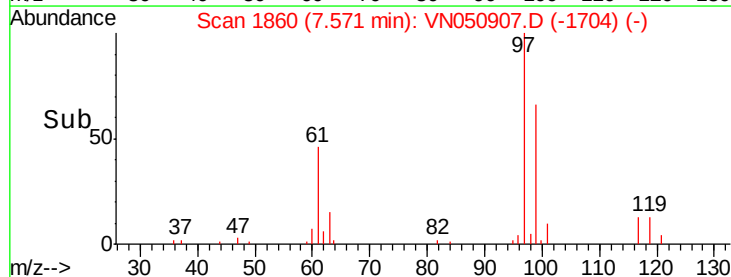
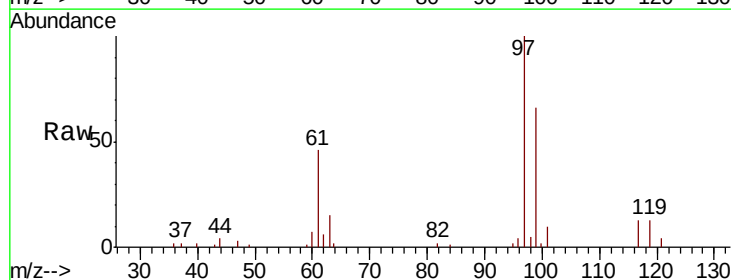
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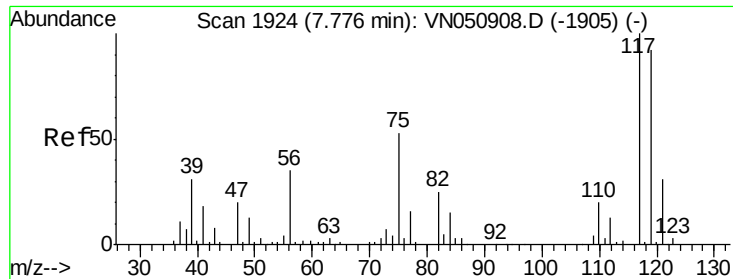
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#32
 1,1,1-Trichloroethane
 Concen: 5.08 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	45.3	35.0	52.6





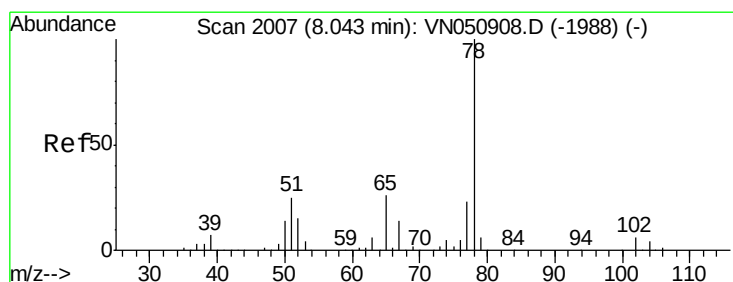
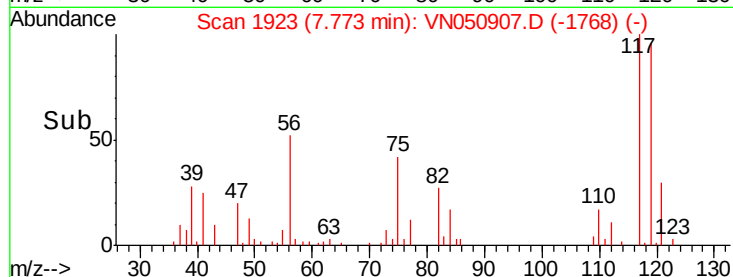
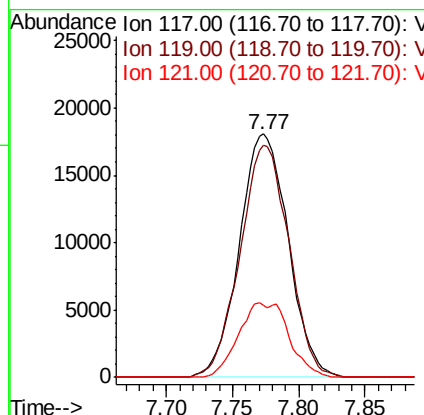
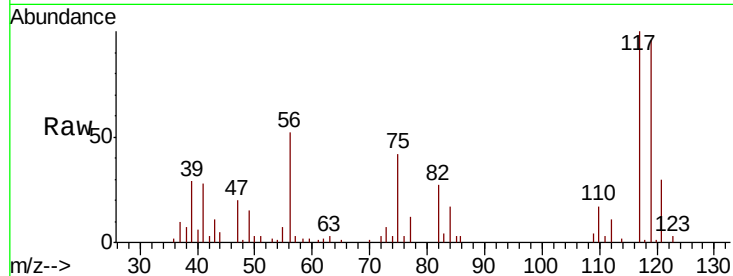
#33
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.5	110.3
121	29.6	24.6	37.0

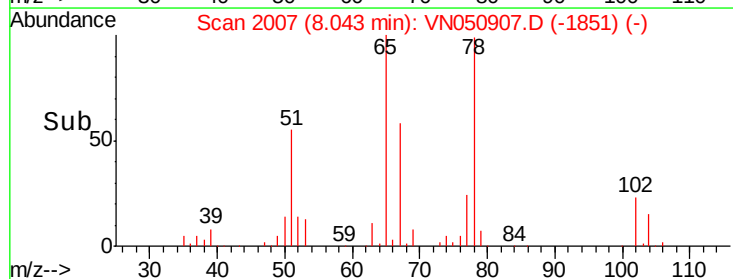
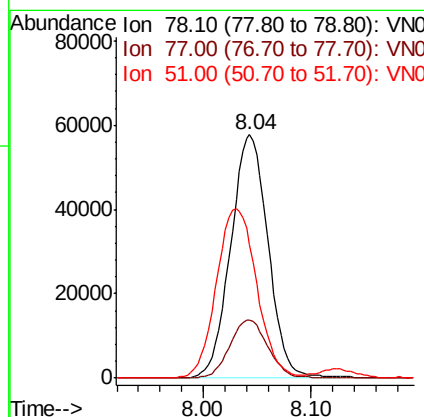
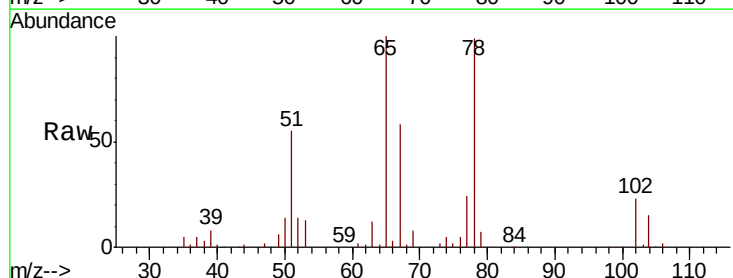
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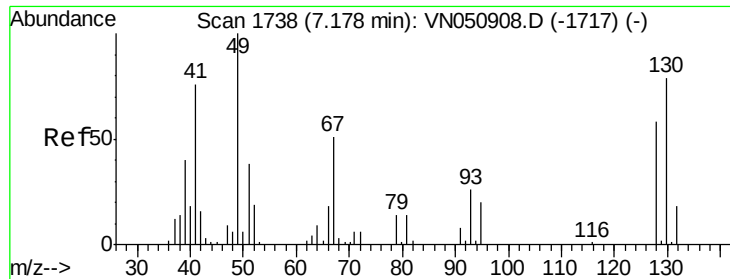
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#34
Benzene
Concen: 5.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0
51	52.9	20.0	30.0#





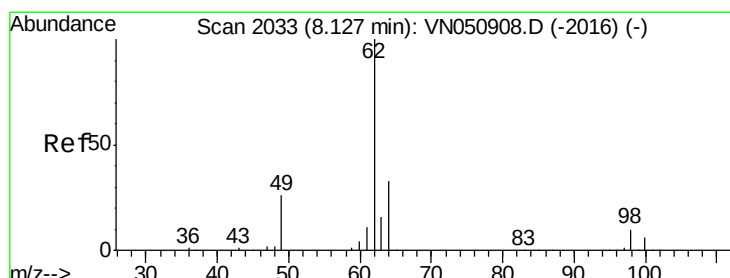
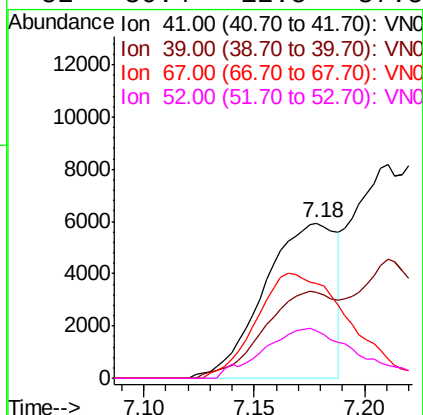
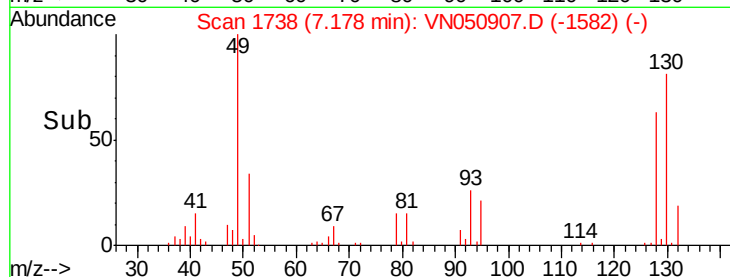
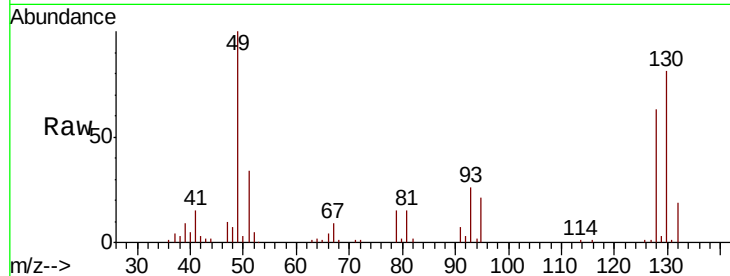
#35
Methacrylonitrile
Concen: 4.47 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41.00 (40.70 to 41.70): VNO	Resp	13464
Ion	Ratio	Lower	Upper
41	100		
39	55.6	26.2	78.5
67	60.8	33.9	101.6
52	30.4	12.5	37.5

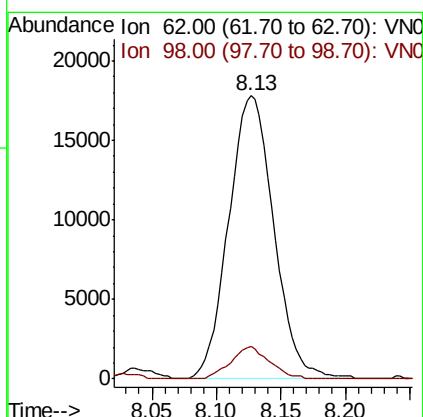
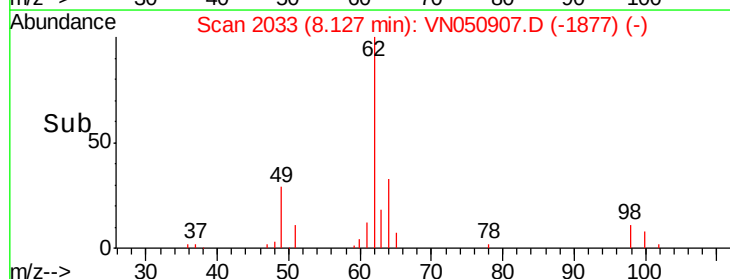
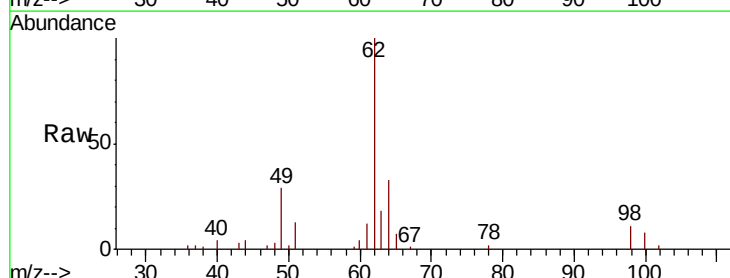
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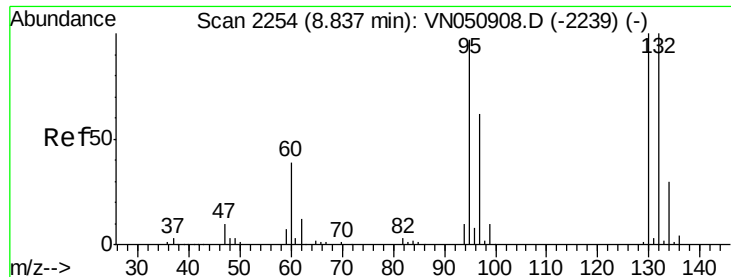
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#36
1,2-Dichloroethane
Concen: 5.18 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	62.00 (61.70 to 62.70): VNO	Resp	43310
Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.0	12.0





#37

Trichloroethene

Concen: 5.11 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 36859

Ion Ratio Lower Upper

130 100

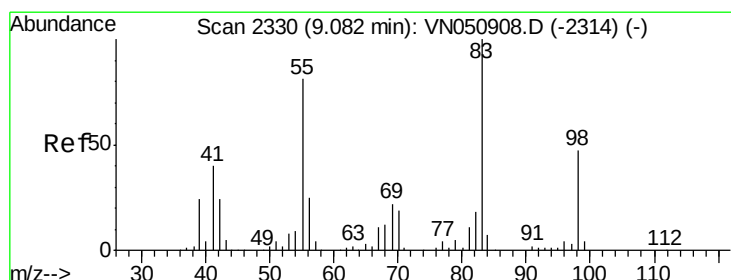
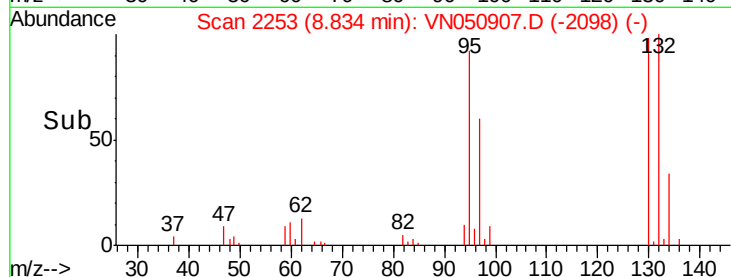
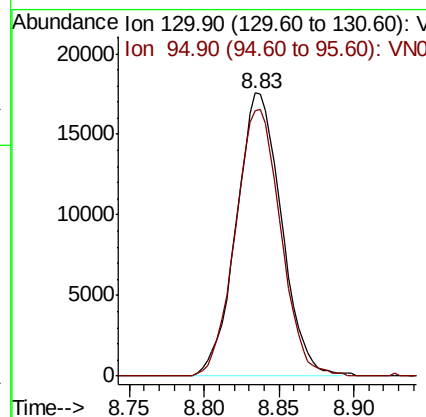
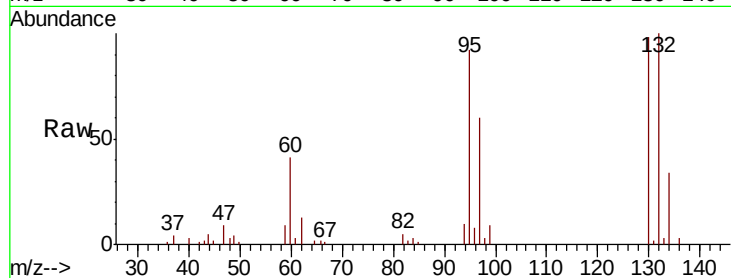
95 94.0 77.4 116.0

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#38

Methylcyclohexane

Concen: 4.58 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

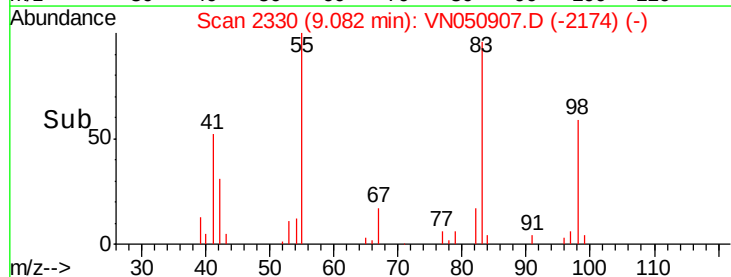
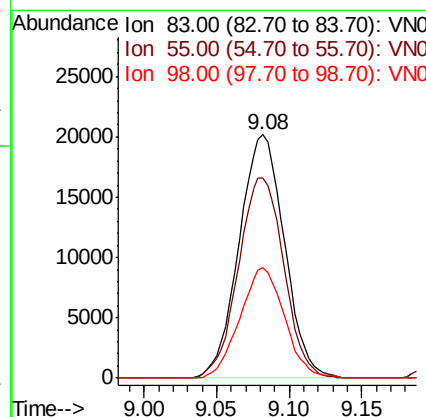
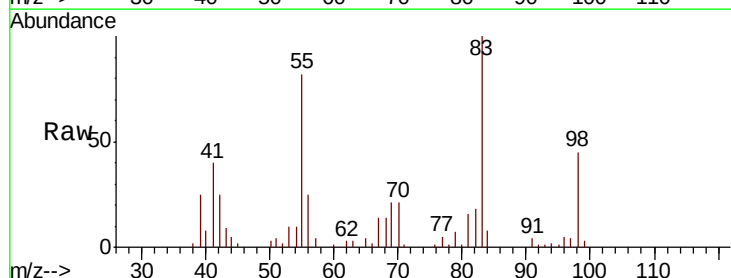
Tgt Ion: 83 Resp: 43913

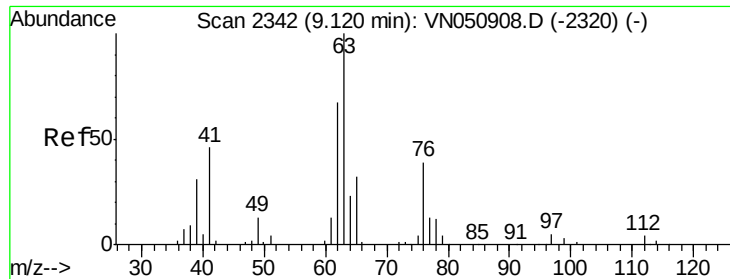
Ion Ratio Lower Upper

83 100

55 82.3 38.9 116.7

98 44.7 22.9 68.7





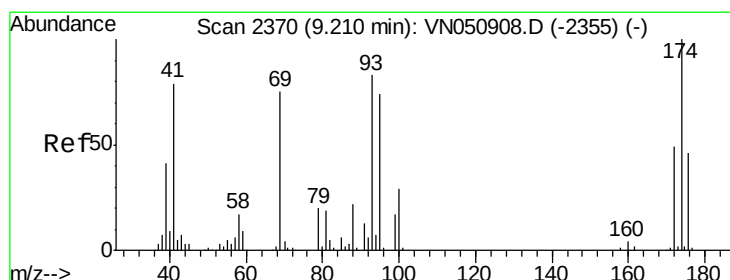
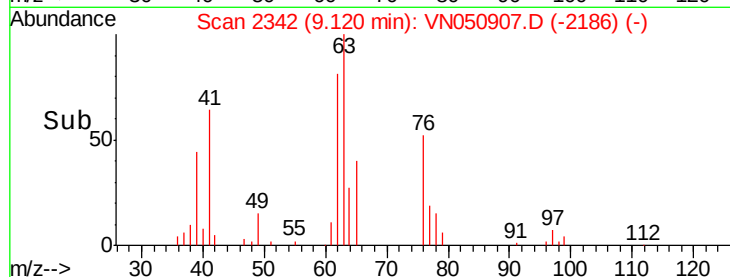
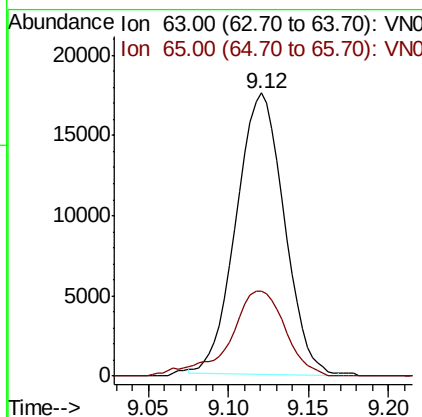
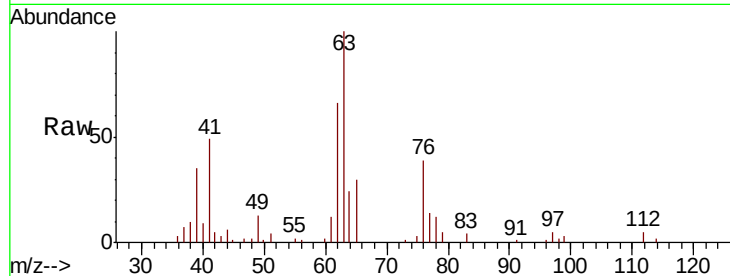
#39
 1,2-Dichloropropane
 Concen: 4.98 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.6	38.4

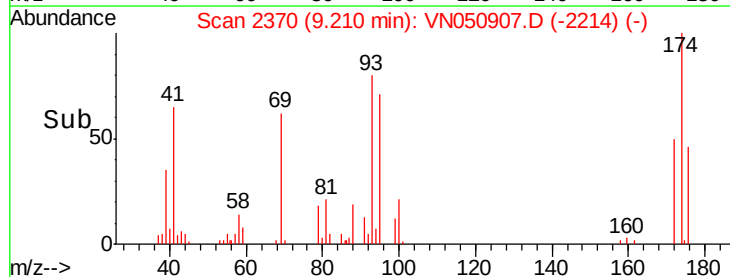
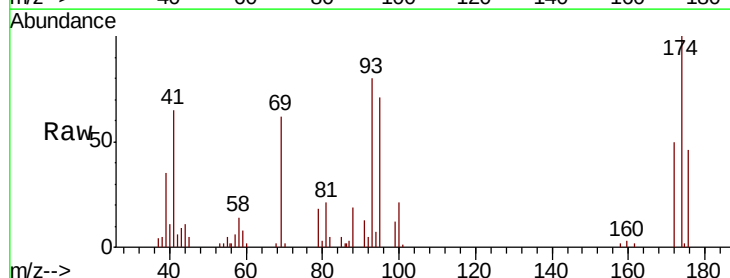
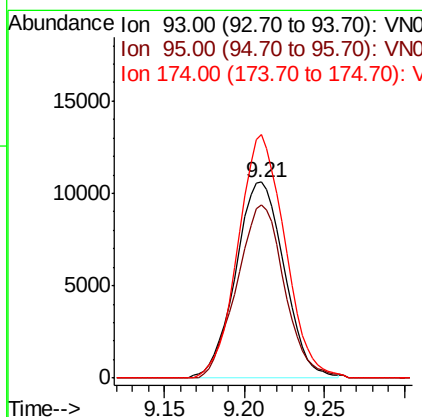
Manual Integrations
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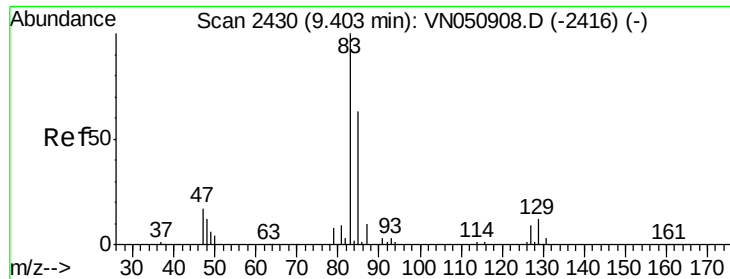
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#40
 Dibromomethane
 Concen: 5.09 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.6	0.0	173.4
174	119.7	0.0	234.8





#41

Bromodichloromethane

Concen: 5.03 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

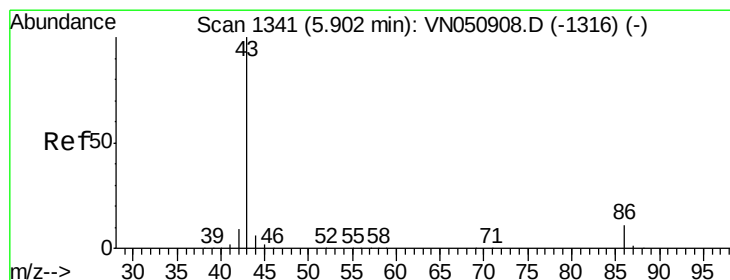
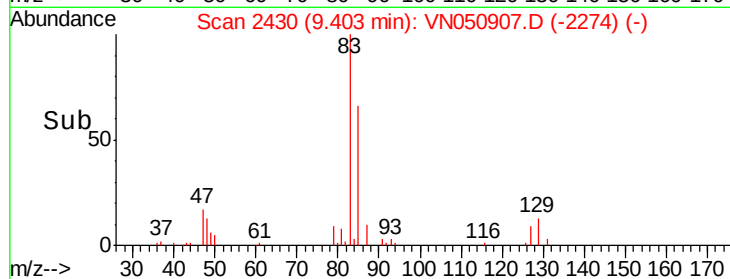
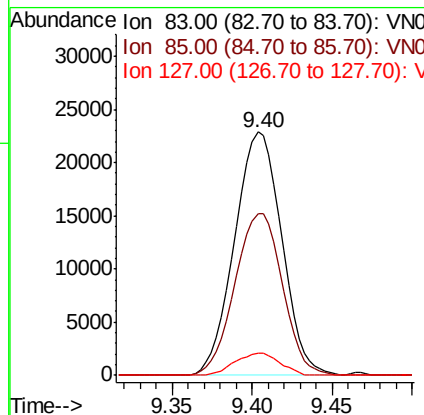
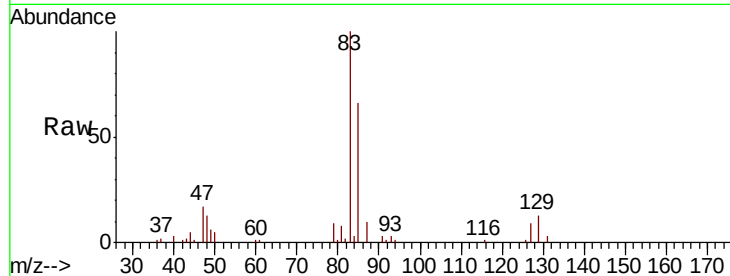
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	46074
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.6	76.0
127	9.3	7.1	10.7

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#42

Vinyl Acetate

Concen: 22.23 ug/l

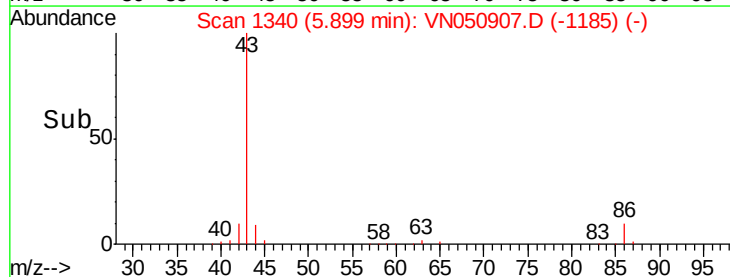
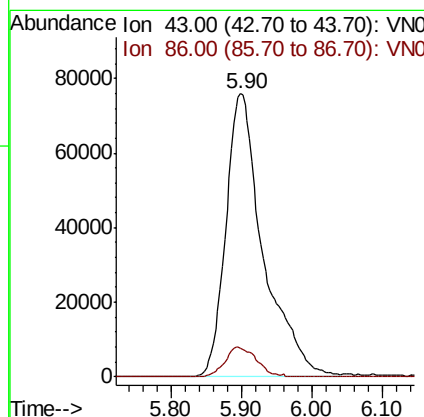
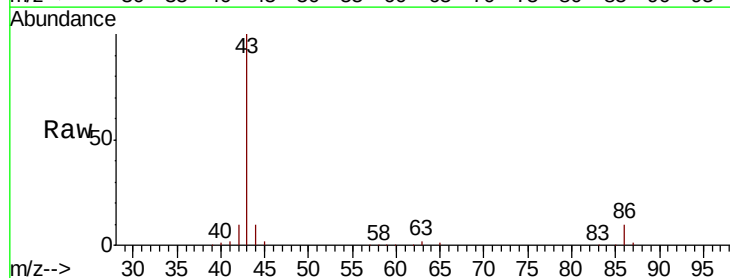
RT: 5.90 min Scan# 1340

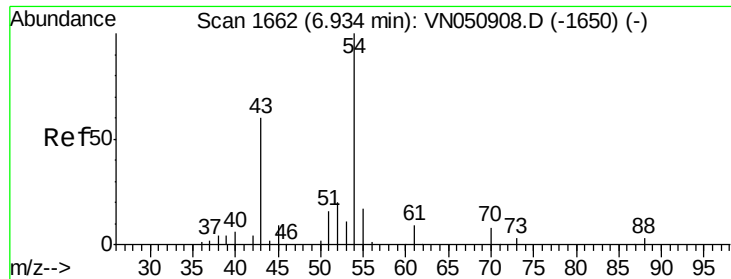
Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	43	Resp:	281299
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.2	10.8





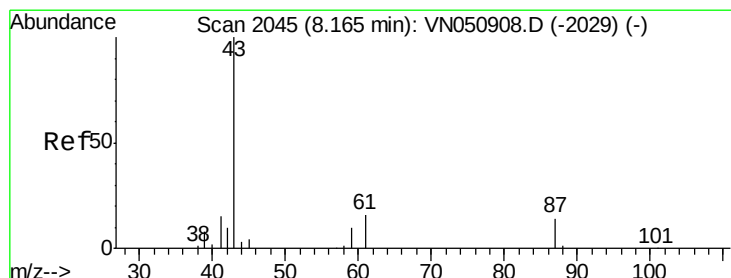
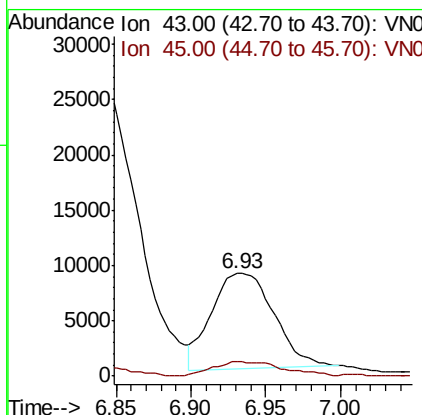
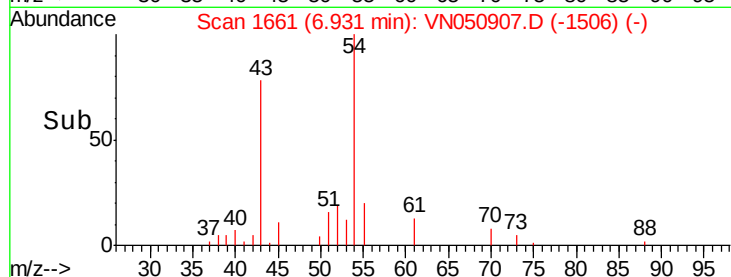
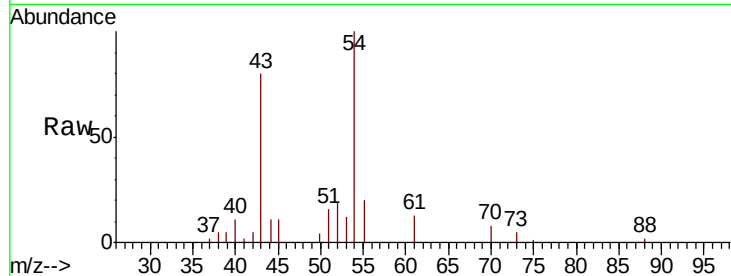
#43
Ethyl Acetate
Concen: 4.49 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 25289
Ion Ratio Lower Upper
43 100
45 9.1 10.2 15.2#

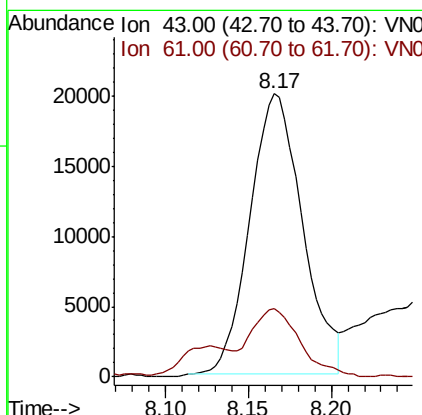
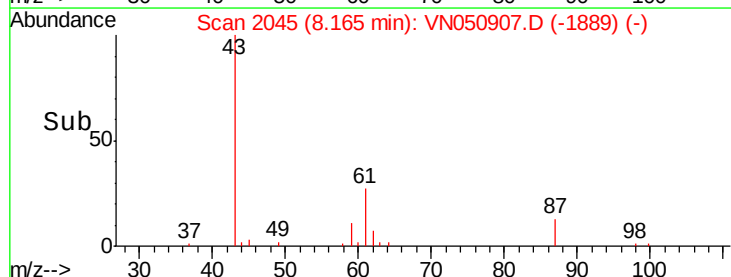
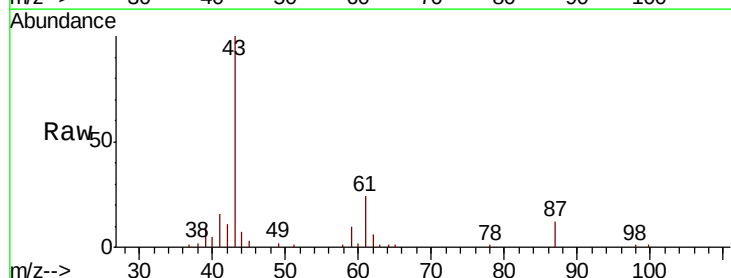
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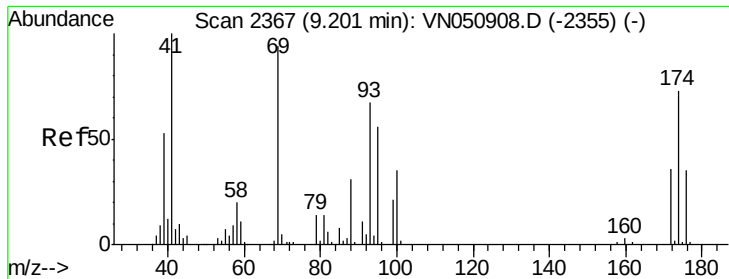
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#44
Isopropyl Acetate
Concen: 4.46 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 43 Resp: 44282
Ion Ratio Lower Upper
43 100
61 22.5 16.3 24.5





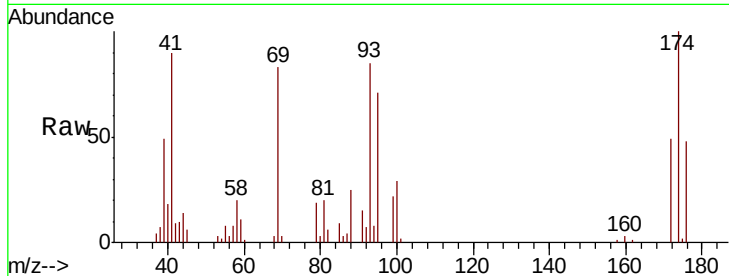
#45
1,4-Dioxane
Concen: 85.05 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	13.8	23.5	35.3#
58	76.6	55.2	82.8

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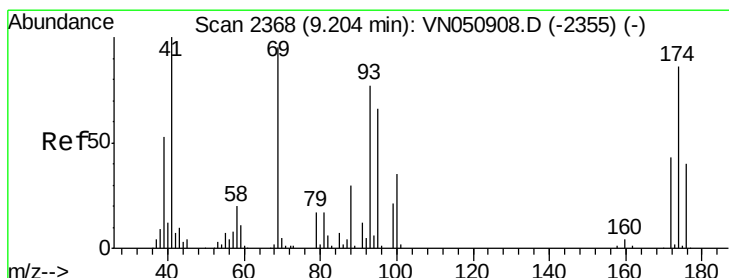
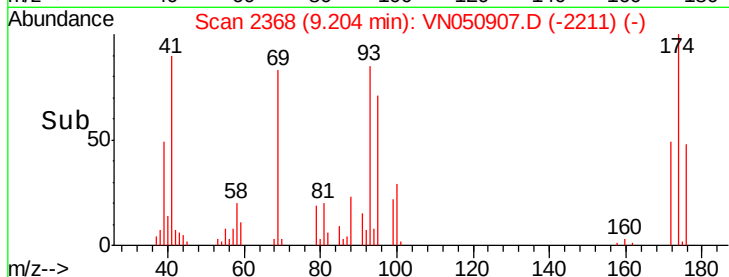
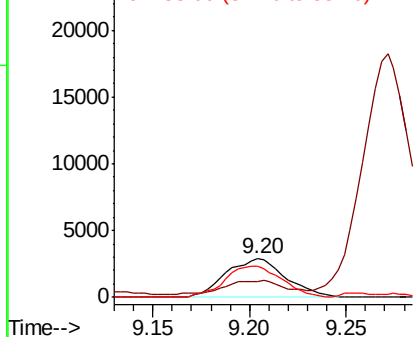


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 4.28 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

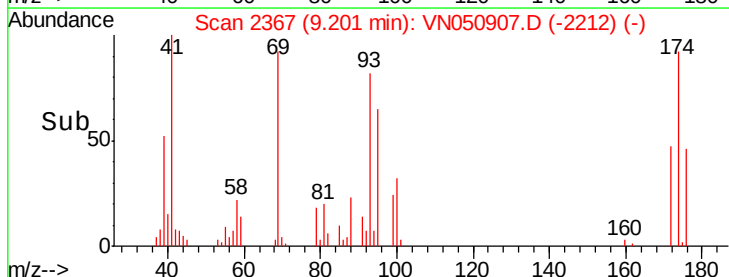
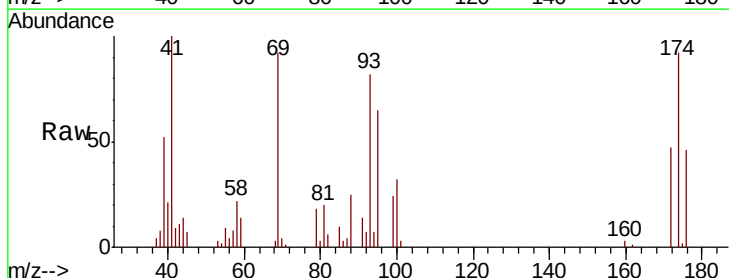
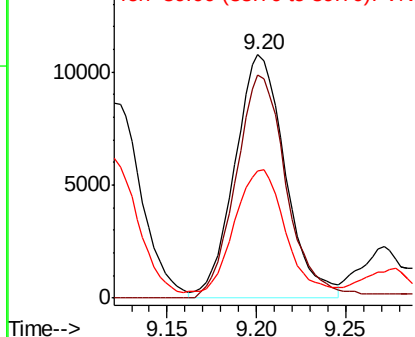
Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	47.4	142.2
39	50.7	26.6	79.7

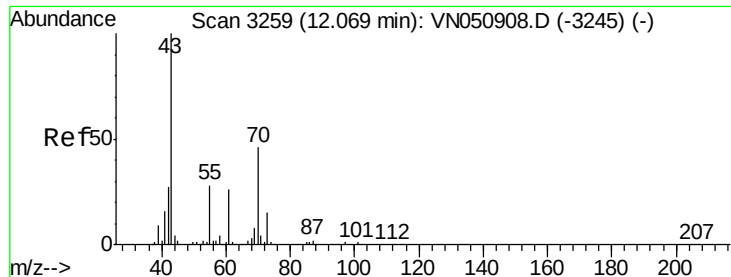
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 3.82 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 30464

Ion Ratio Lower Upper

43 100

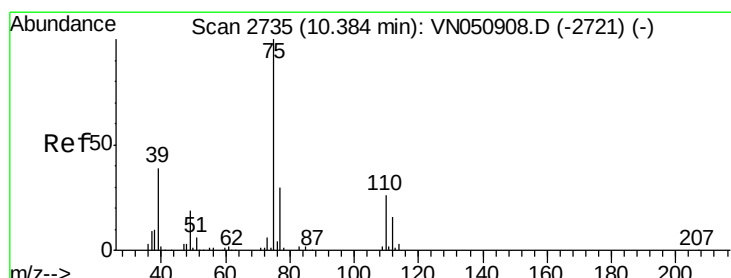
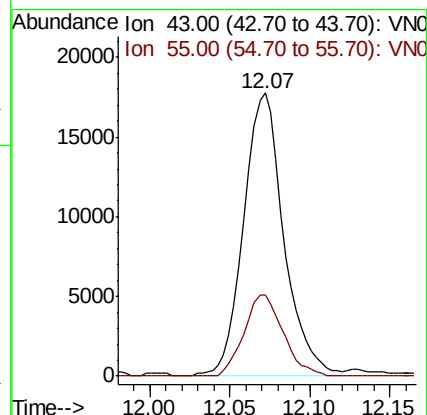
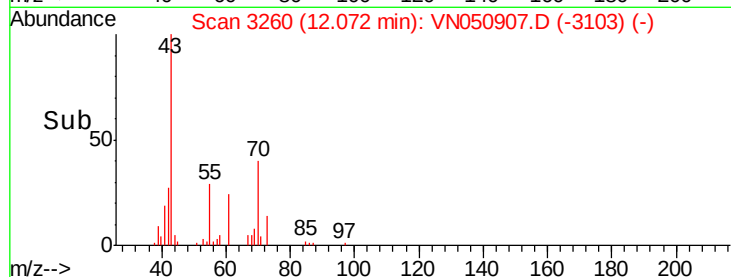
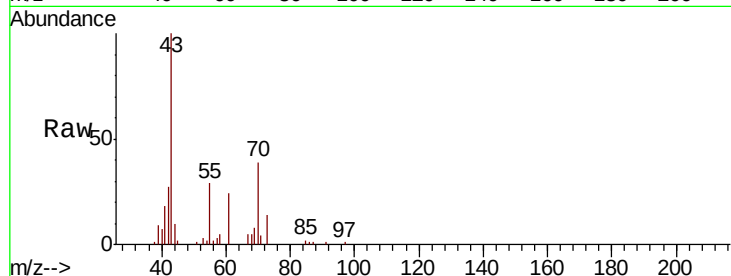
55 27.9 23.0 34.4

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#48

t-1,3-Dichloropropene

Concen: 4.39 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050907.D

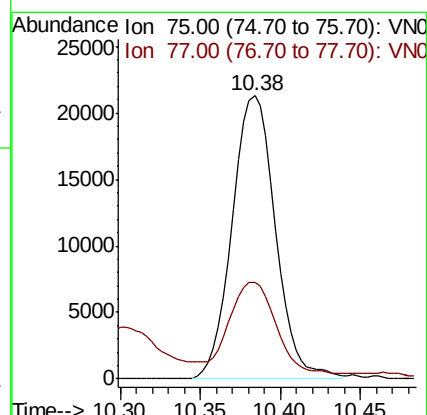
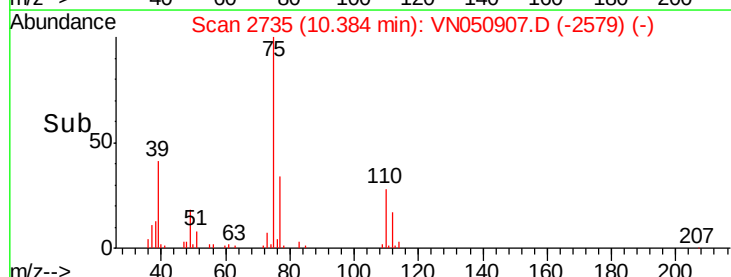
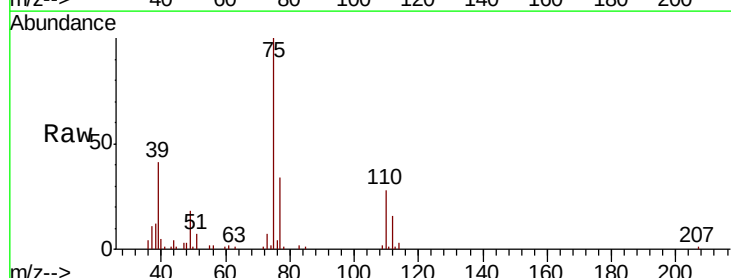
Acq: 28 Aug 2018 12:01

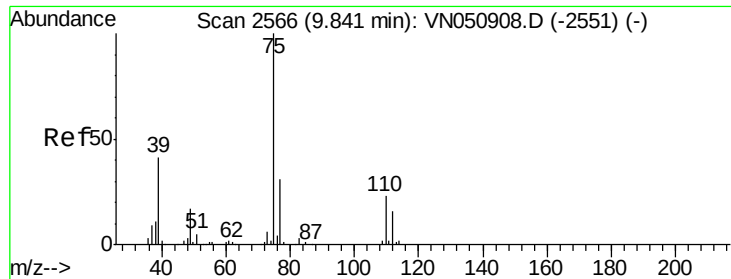
Tgt Ion: 75 Resp: 39387

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2





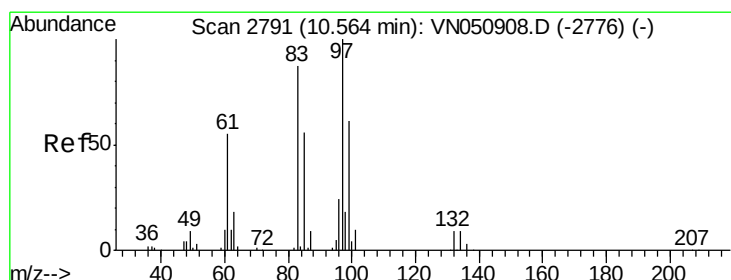
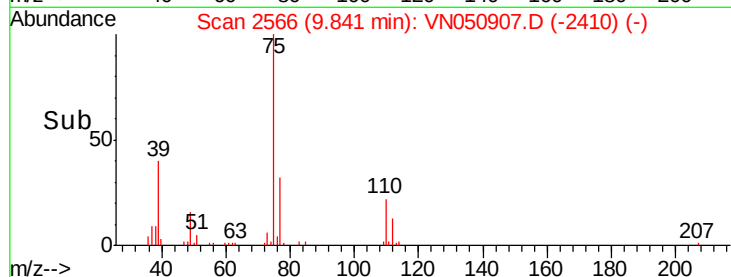
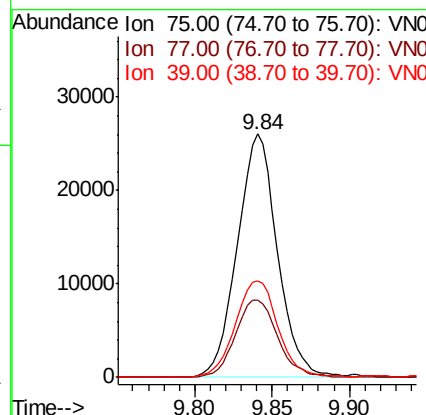
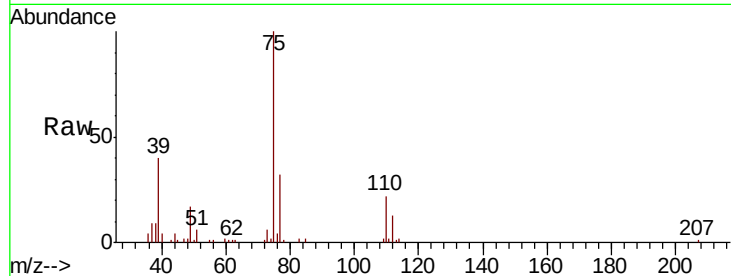
#49
 cis-1,3-Dichloropropene
 Concen: 4.55 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	39.8	32.9	49.3

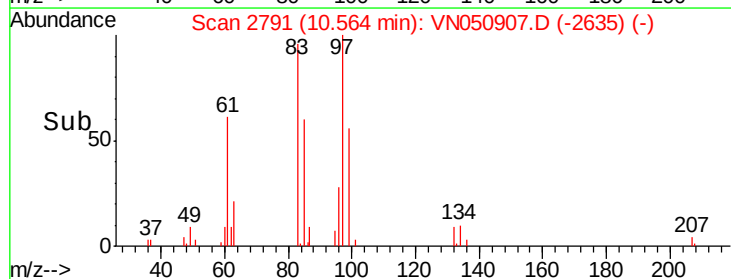
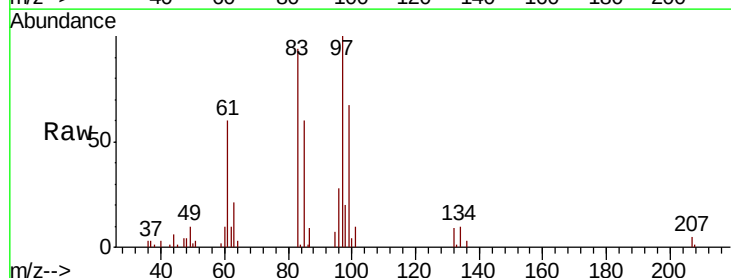
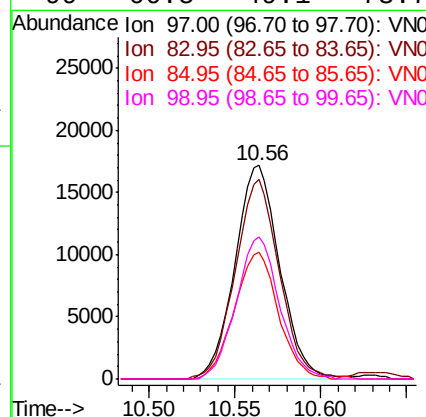
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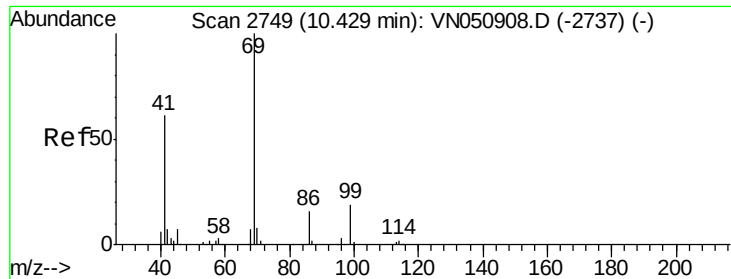
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#50
 1,1,2-Trichloroethane
 Concen: 4.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.7	69.8	104.6
85	59.6	45.0	67.6
99	66.5	49.1	73.7





#51

Ethyl methacrylate

Concen: 4.20 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

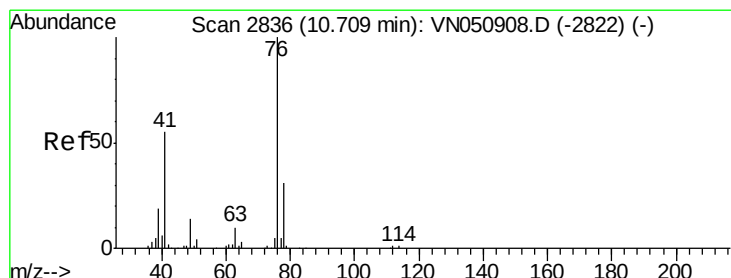
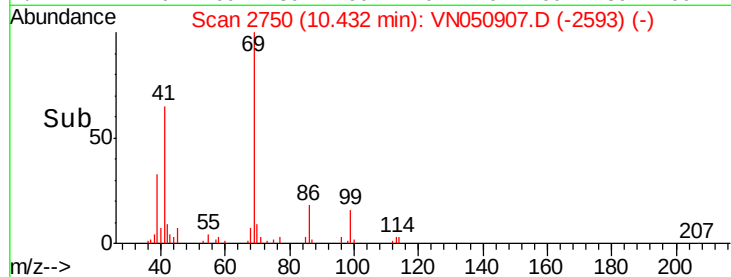
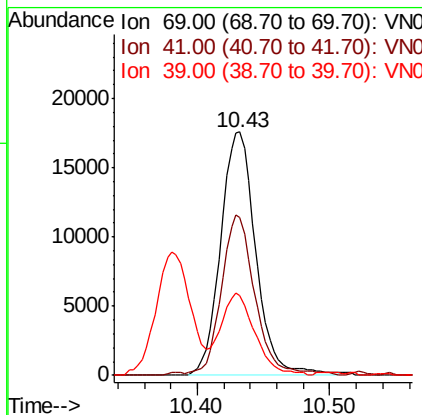
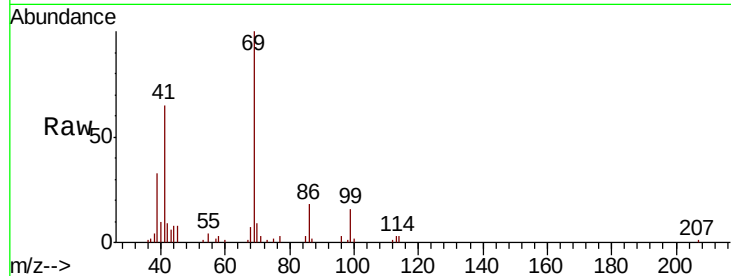
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	32430
Ion	Ratio	Lower	Upper
69	100		
41	64.8	30.5	91.5
39	31.6	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 4.87 ug/l

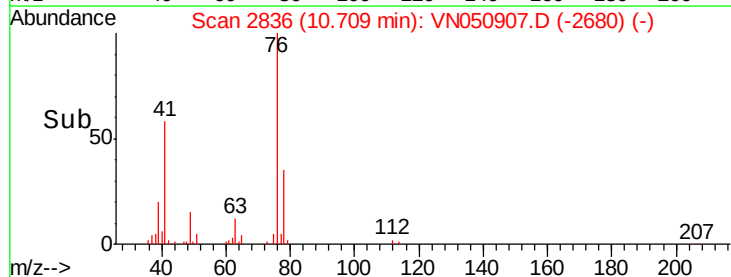
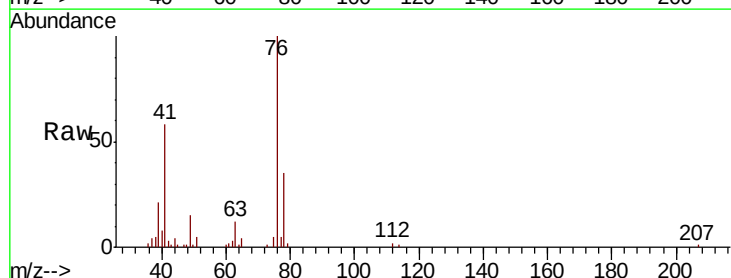
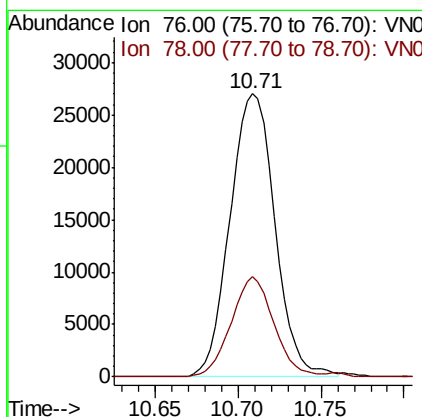
RT: 10.71 min Scan# 2836

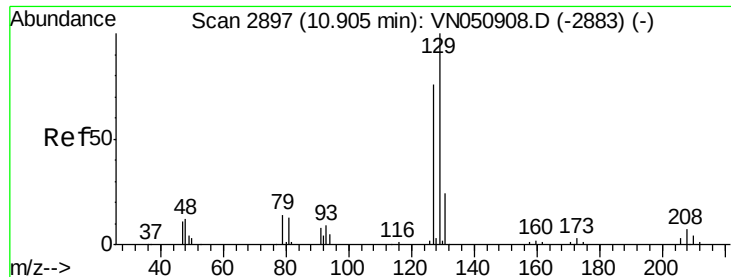
Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	76	Resp:	50977
Ion	Ratio	Lower	Upper
76	100		
78	33.5	0.0	63.4





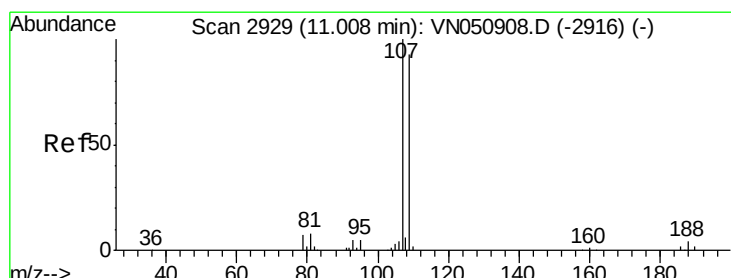
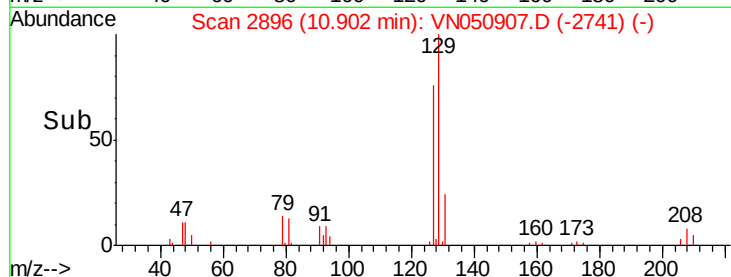
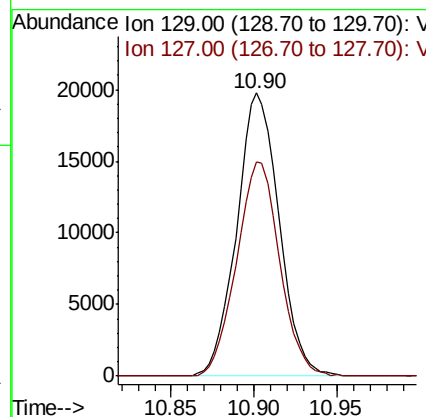
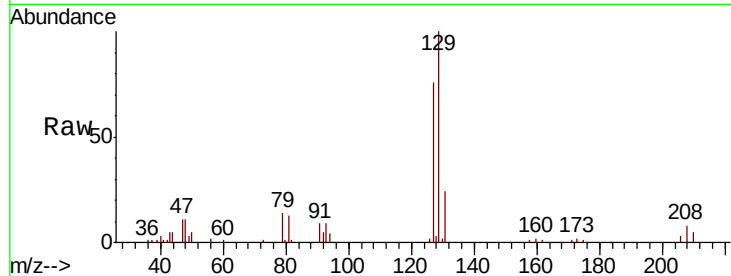
#53
Dibromochloromethane
Concen: 4.90 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:129 Resp: 35185
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9

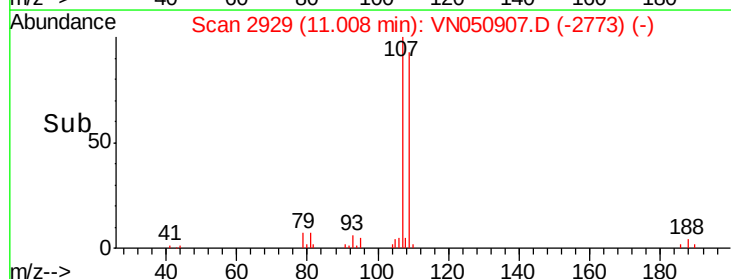
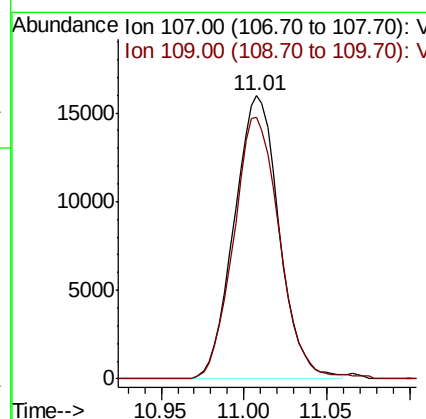
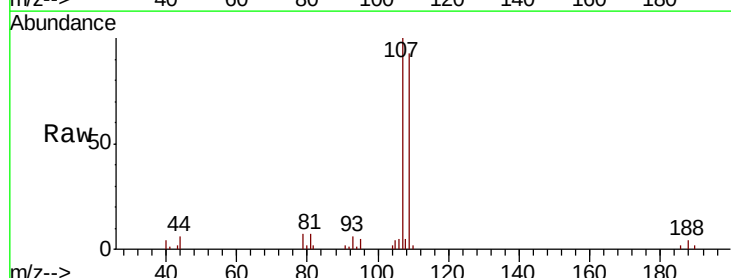
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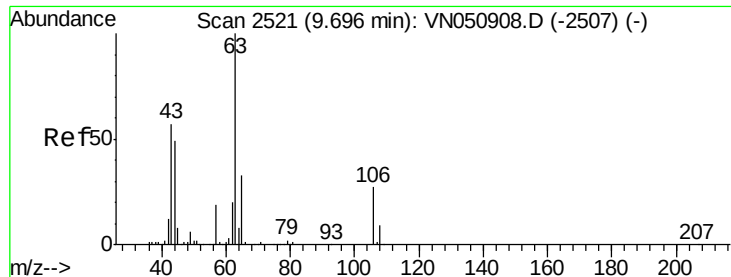
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#54
1,2-Dibromoethane
Concen: 4.82 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:107 Resp: 30114
Ion Ratio Lower Upper
107 100
109 94.5 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 19.51 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

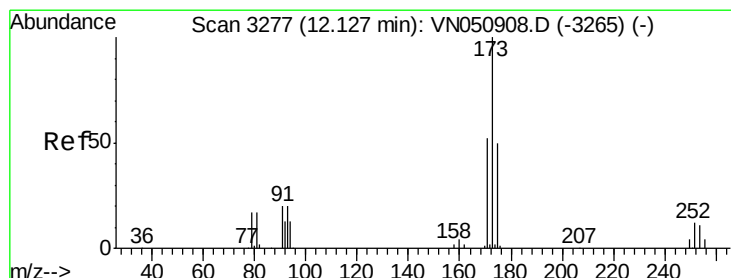
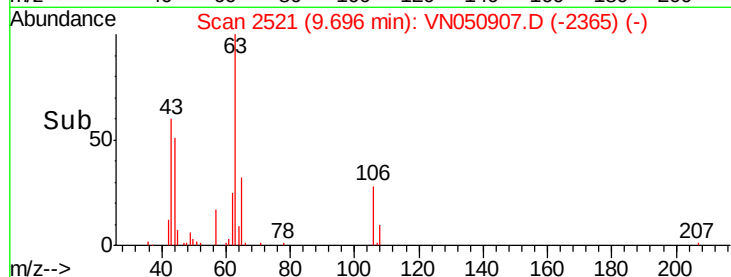
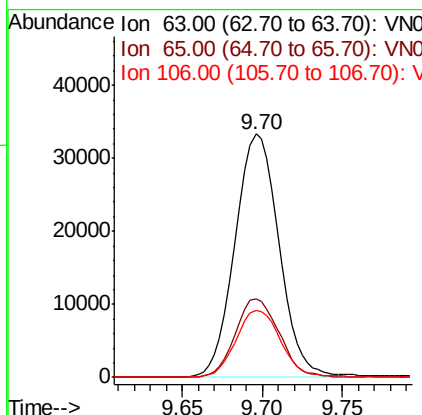
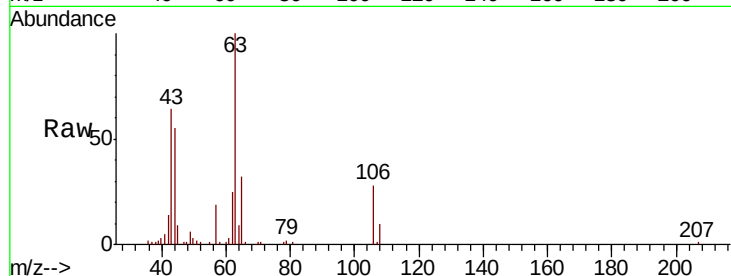
ClientSampled :

VSTDIC005

Tot Ion:	63	Resp:	62715
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	27.9	22.0	33.0

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#56

Bromoform

Concen: 4.63 ug/l

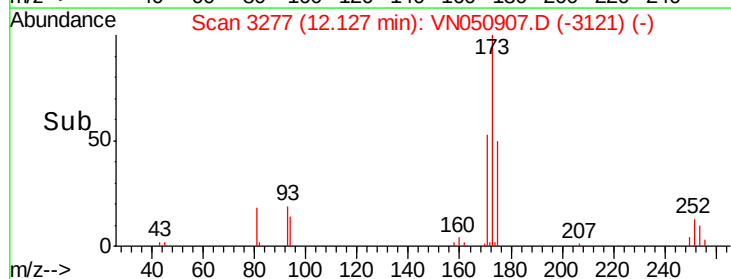
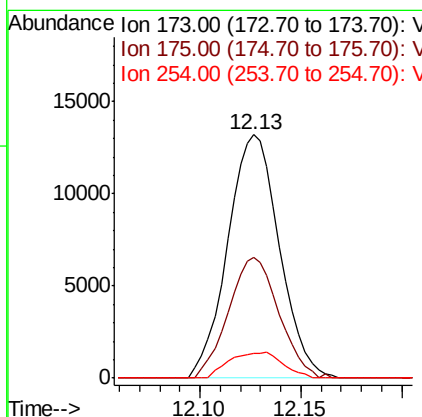
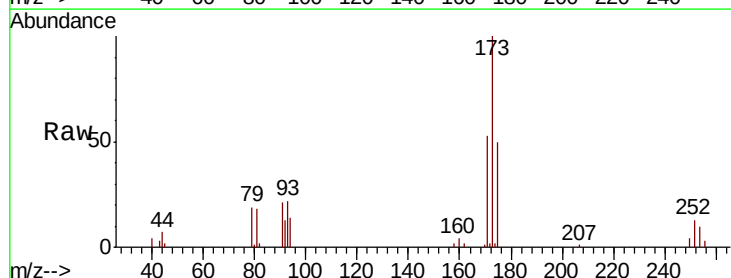
RT: 12.13 min Scan# 3277

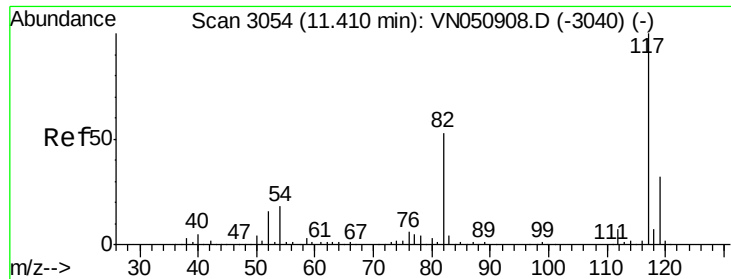
Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	173	Resp:	23641
Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.2	58.8
254	11.0	9.0	13.6





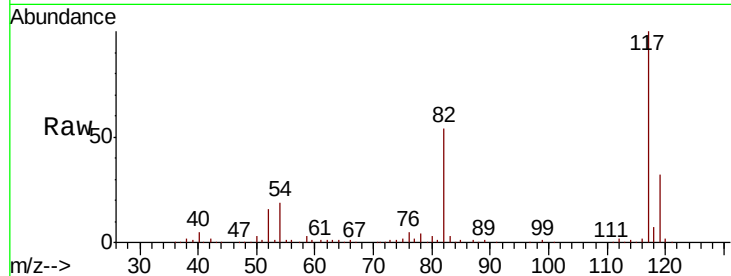
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

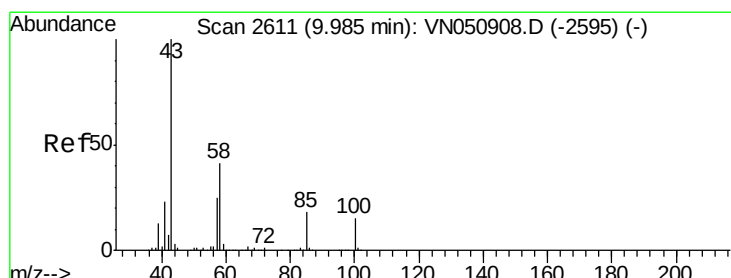
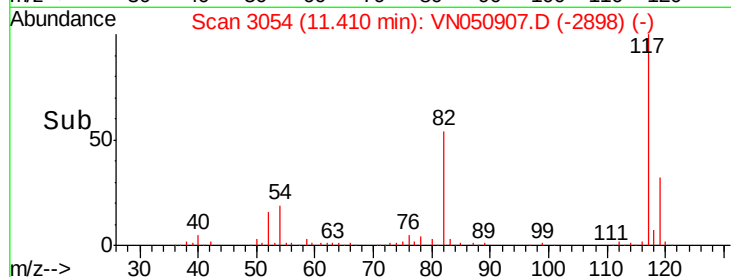
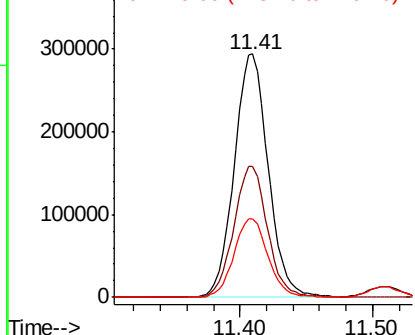
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.4	25.7	38.5

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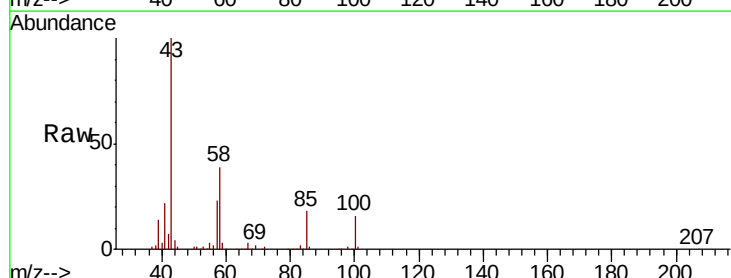


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

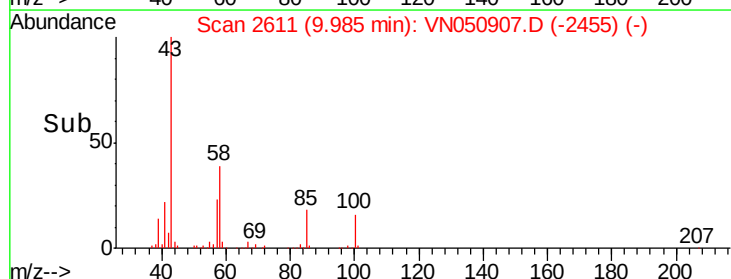
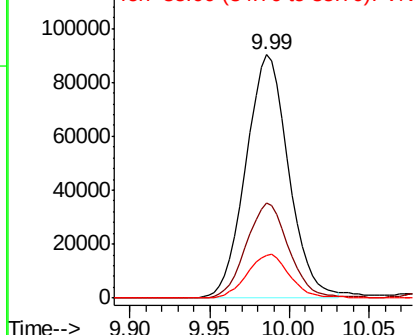


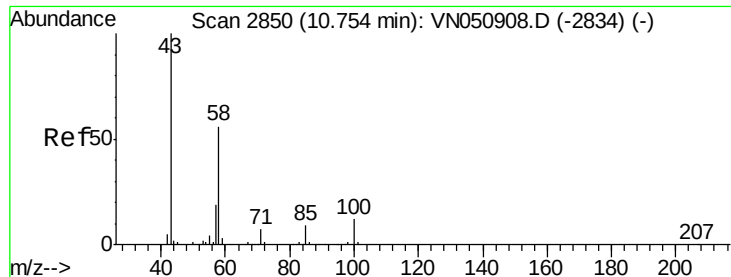
#58
4-Methyl-2-Pentanone
Concen: 27.45 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.3	48.5
85	18.0	14.9	22.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





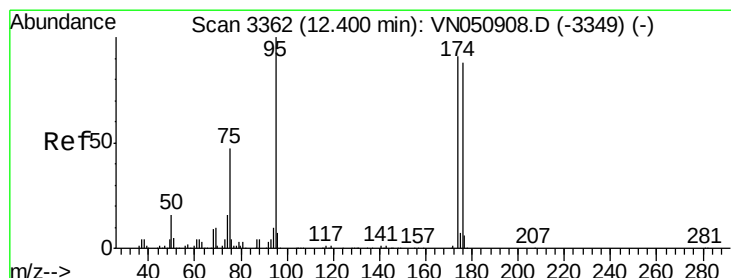
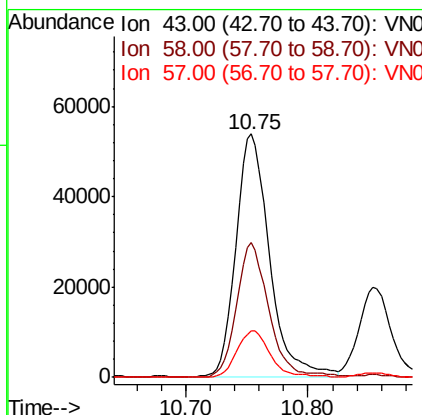
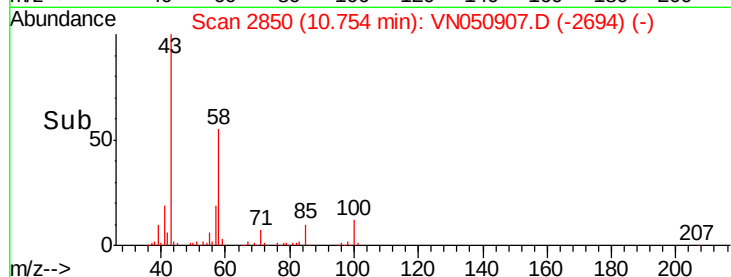
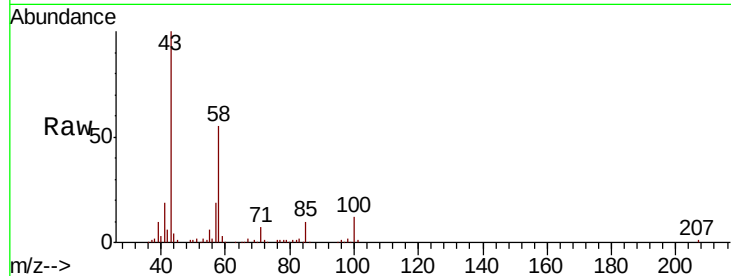
#59
2-Hexanone
Concen: 26.38 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	45.5	68.3
57	18.9	15.2	22.8

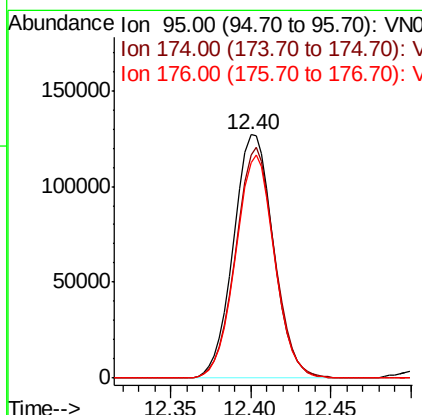
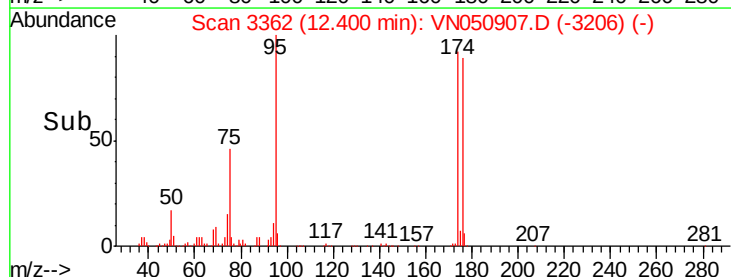
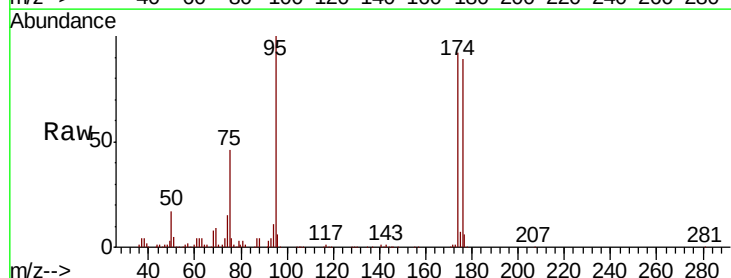
Manual Integrations
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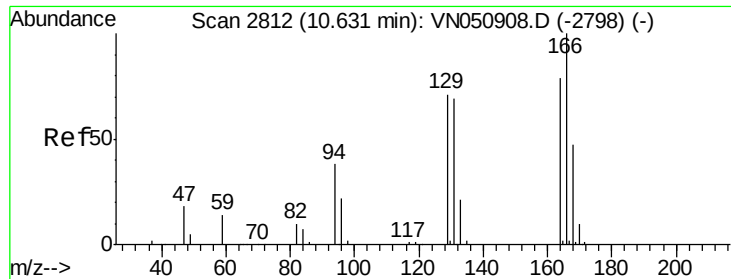
MMDadoda
8/29/2018 11:09:47 AM



#60
4-Bromofluorobenzene
Concen: 27.80 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.6	112.0
176	89.2	71.5	107.3





#61

Tetrachloroethene

Concen: 5.24 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 34172

Ion Ratio Lower Upper

164 100

166 128.5 100.6 151.0

129 92.4 71.0 106.6

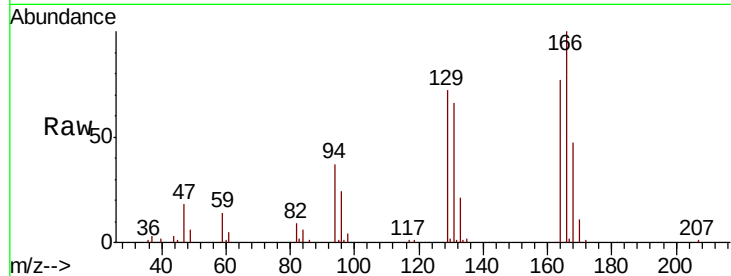
131 85.7 69.3 103.9

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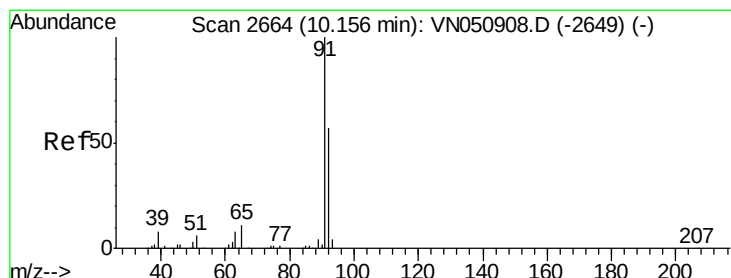
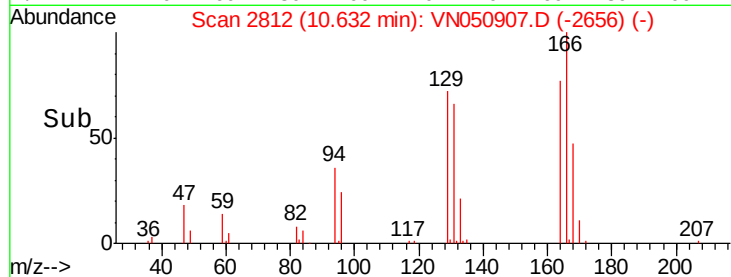
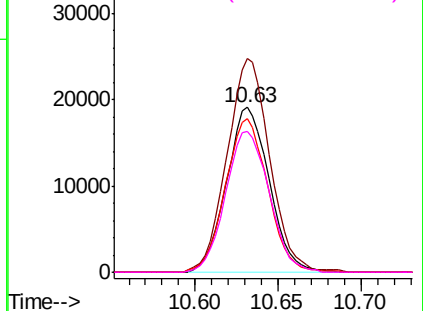


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.07 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050907.D

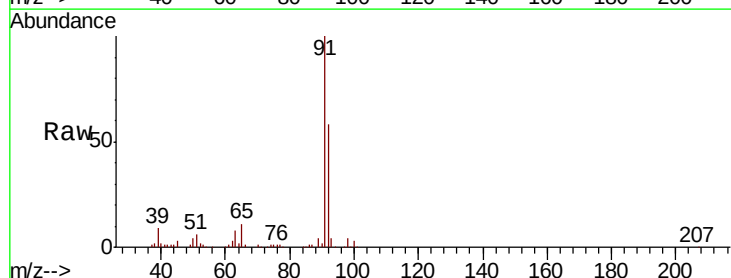
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 147806

Ion Ratio Lower Upper

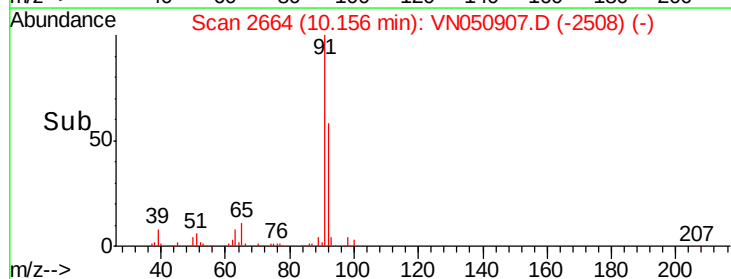
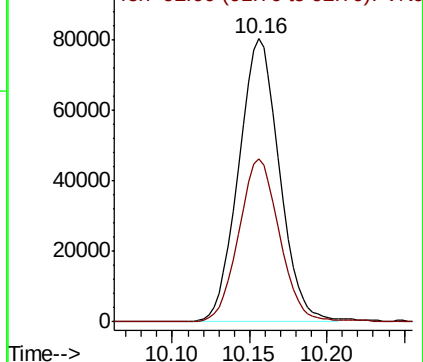
91 100

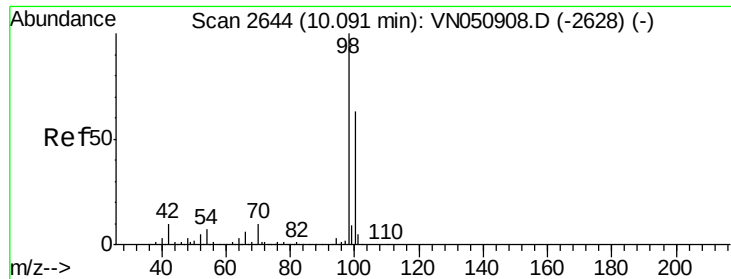
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.77 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 750346

Ion Ratio Lower Upper

98 100

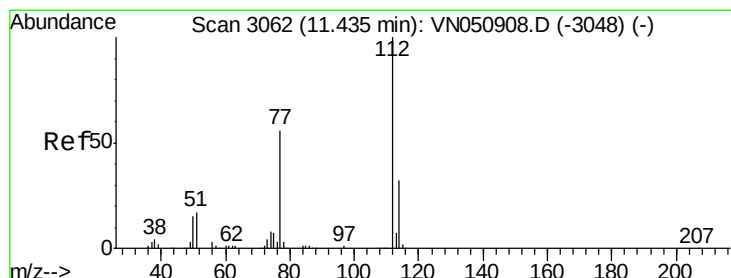
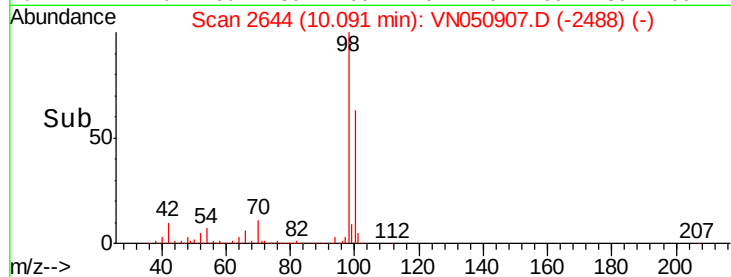
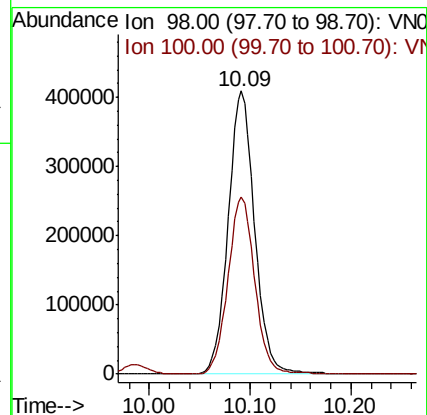
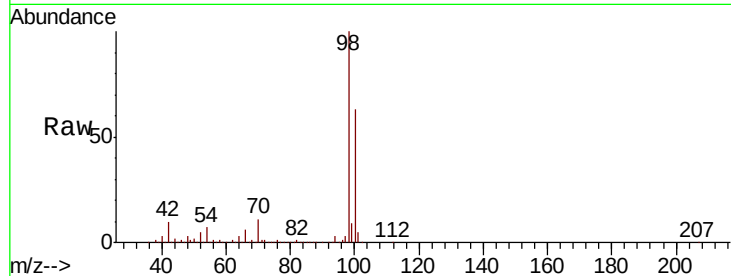
100 63.2 50.6 75.8

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#64

Chlorobenzene

Concen: 5.01 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050907.D

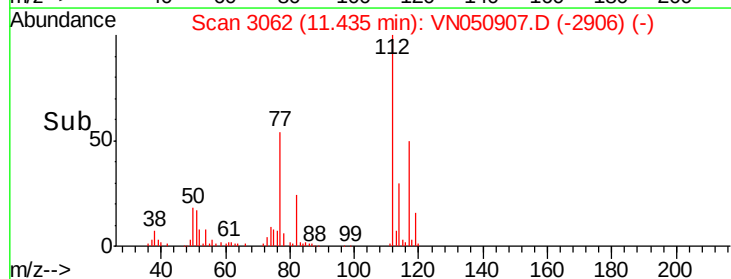
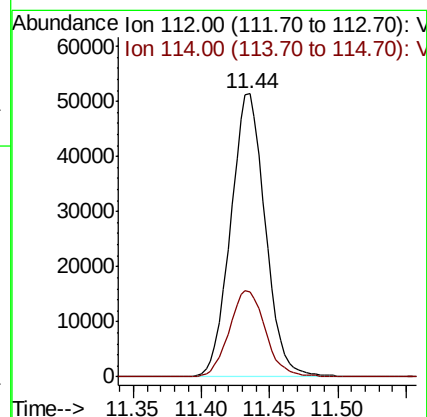
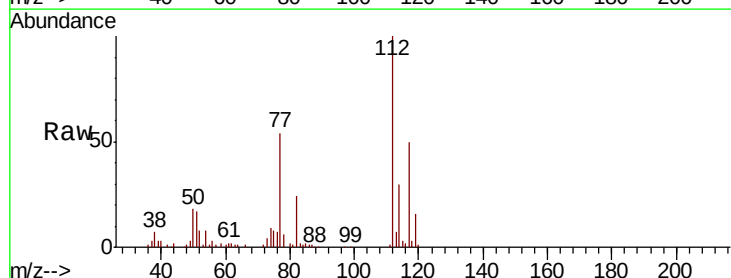
Acq: 28 Aug 2018 12:01

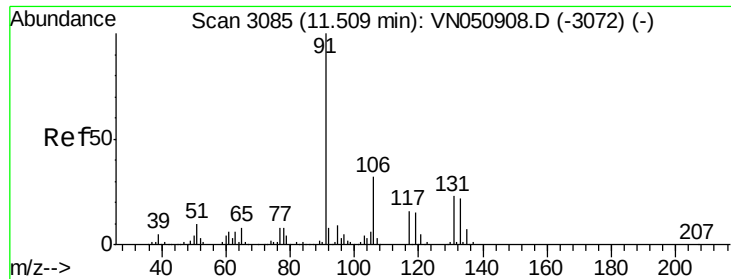
Tgt Ion: 112 Resp: 90610

Ion Ratio Lower Upper

112 100

114 30.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 5.03 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

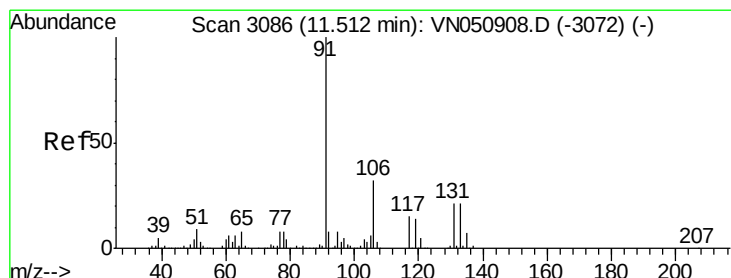
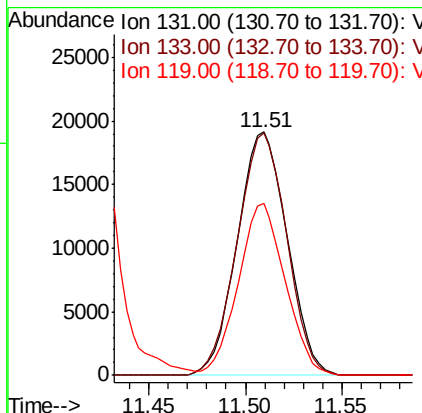
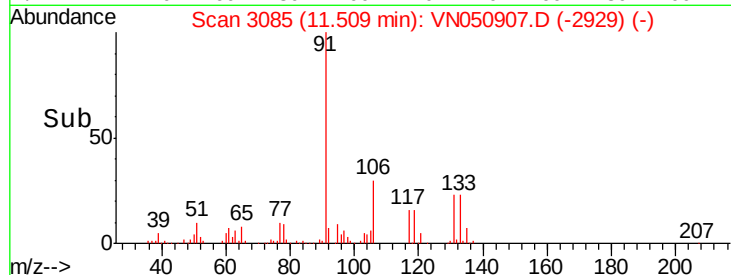
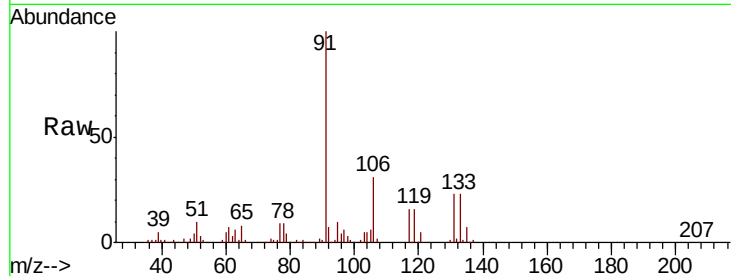
ClientSampled :

VSTDIC005

Tot Ion:	131	Resp:	34356
Ion	Ratio	Lower	Upper
131	100		
133	98.5	0.0	189.4
119	66.6	0.0	132.2

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#66

Ethyl Benzene

Concen: 4.58 ug/l

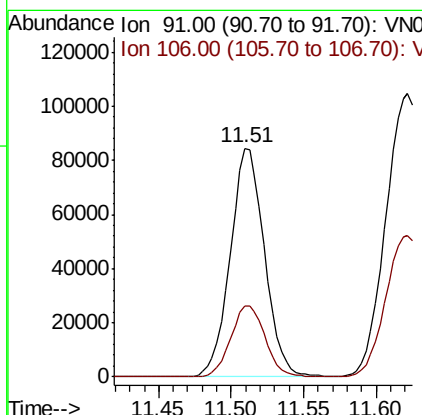
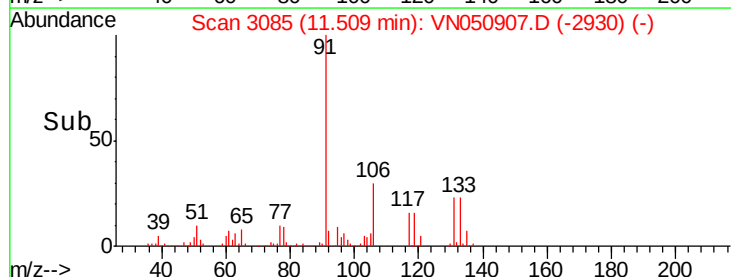
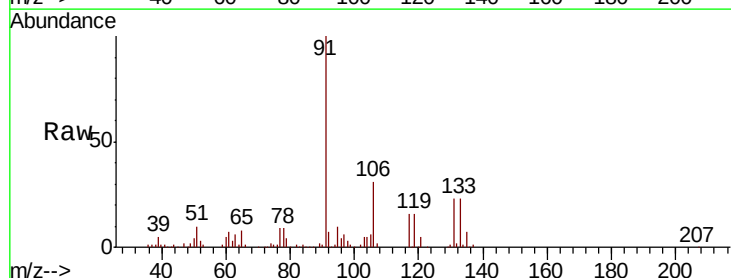
RT: 11.51 min Scan# 3085

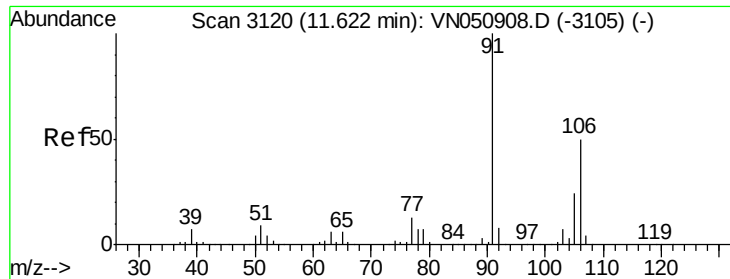
Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	91	Resp:	138273
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.7	38.5





#67

m/p-Xylenes

Concen: 9.02 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:106 Resp: 104802

Ion Ratio Lower Upper

106 100

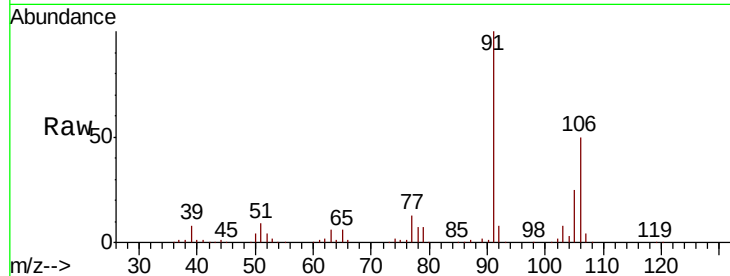
91 199.2 160.6 241.0

Manual Integrations

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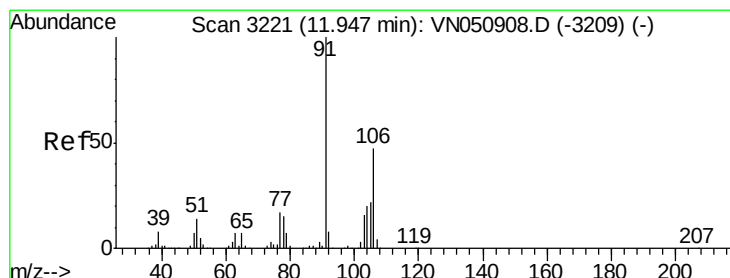
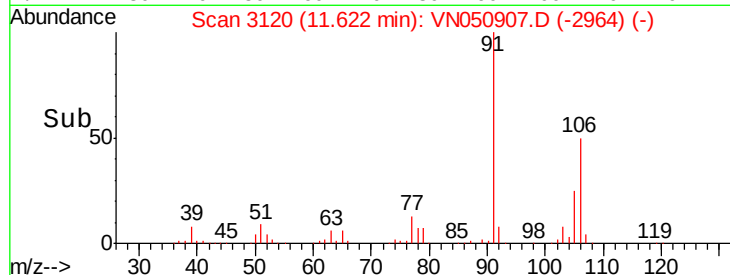
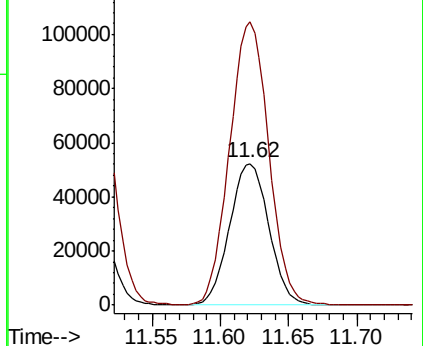
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 4.36 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN050907.D

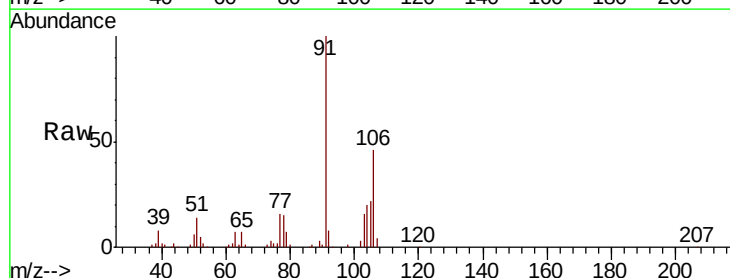
Acq: 28 Aug 2018 12:01

Tgt Ion:106 Resp: 48433

Ion Ratio Lower Upper

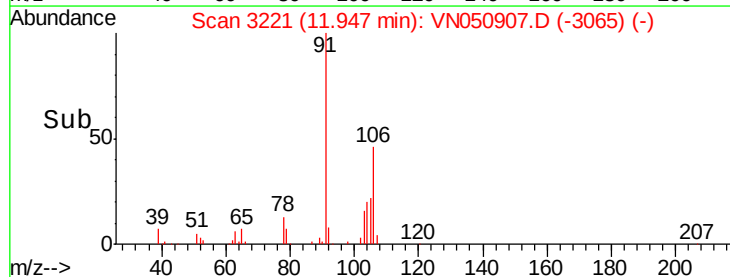
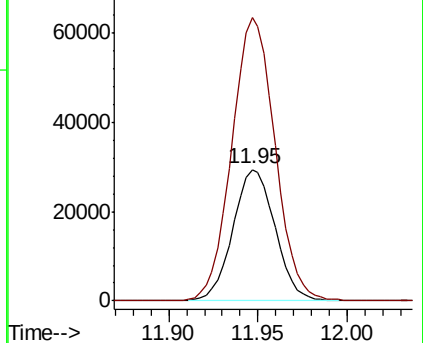
106 100

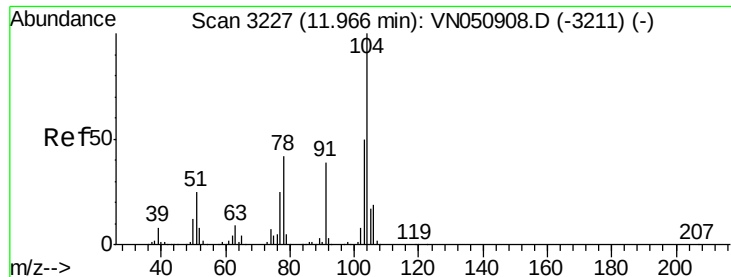
91 221.1 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





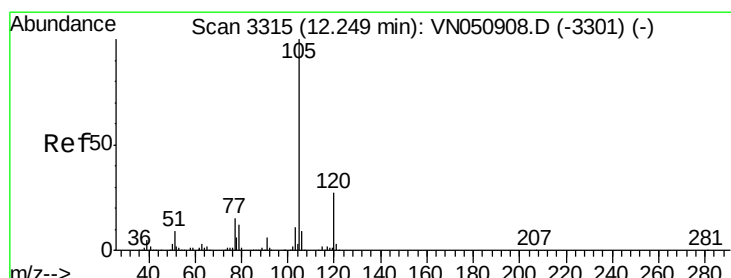
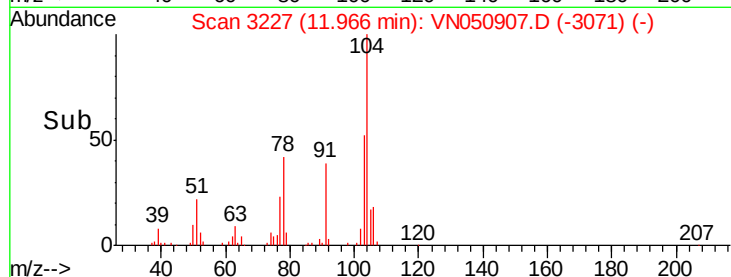
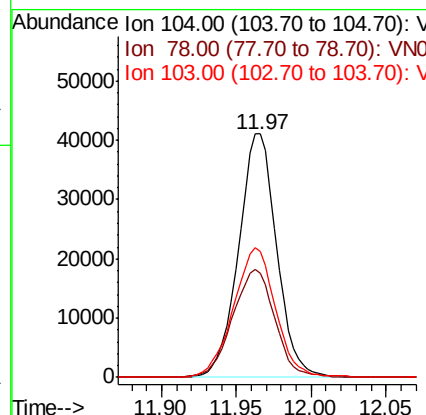
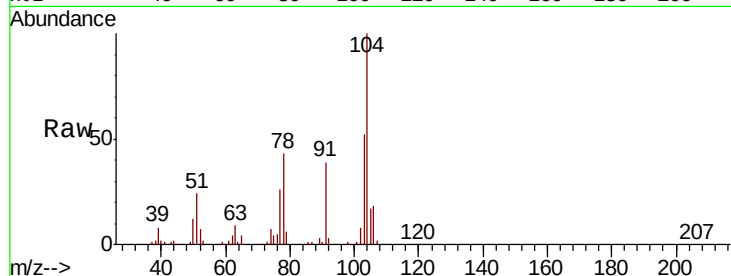
#69
Stvrene
Concen: 4.13 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.6	58.0
103	58.4	45.4	68.2

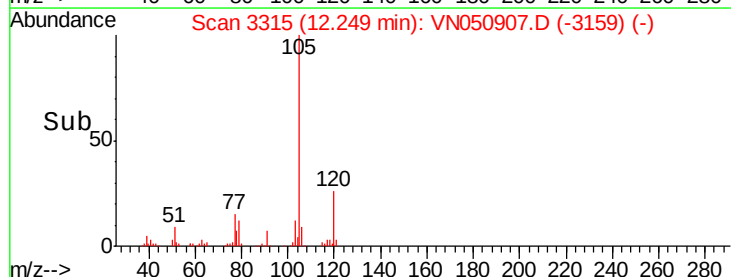
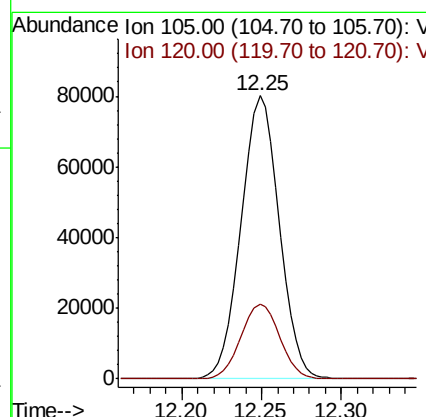
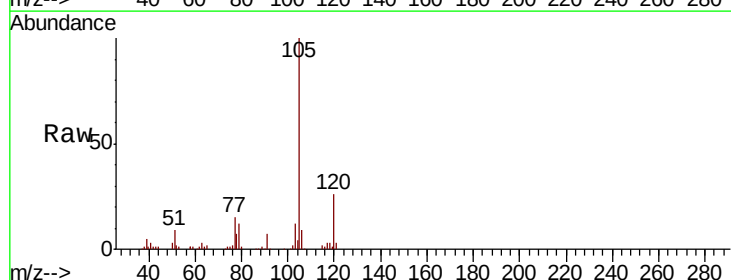
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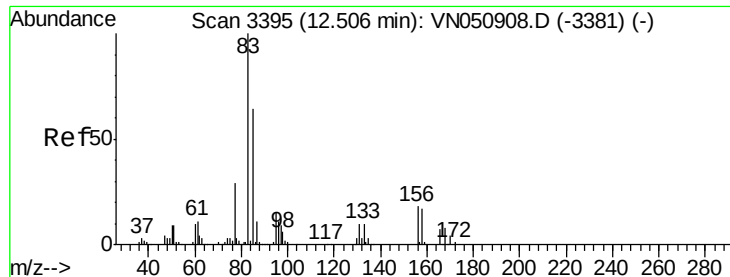
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#70
Isopropylbenzene
Concen: 4.41 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 5.15 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

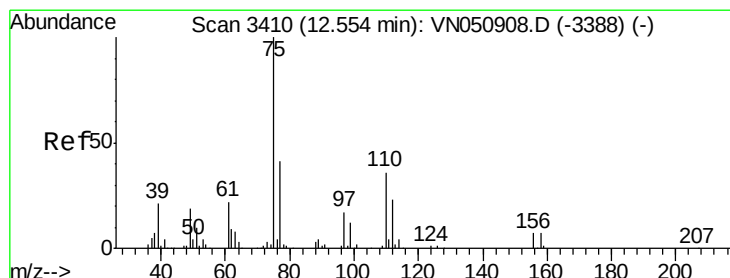
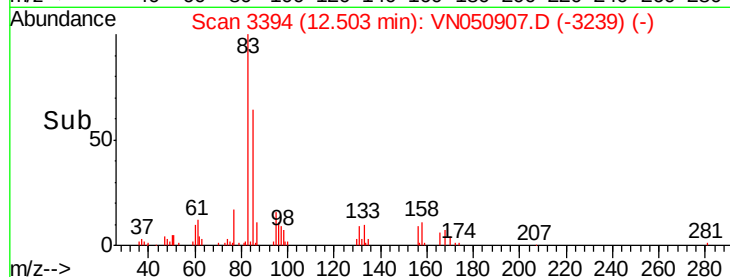
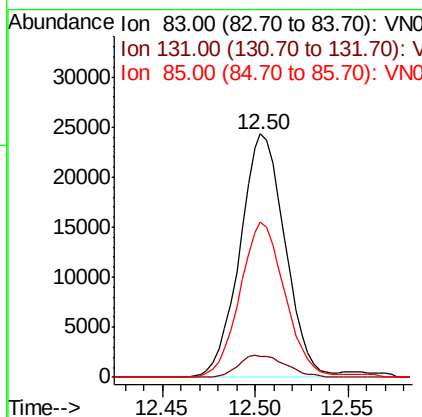
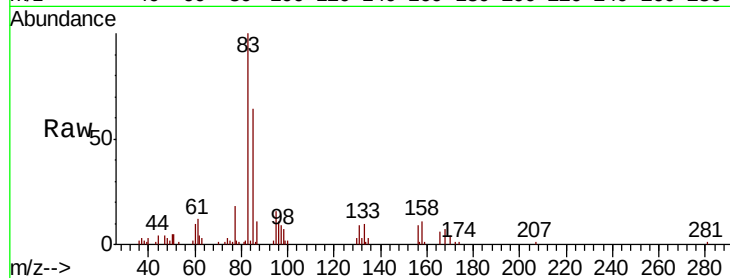
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	41137
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.3	15.9
85	63.4	32.3	96.9

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#72

1,2,3-Trichloropropane

Concen: 4.82 ug/l m

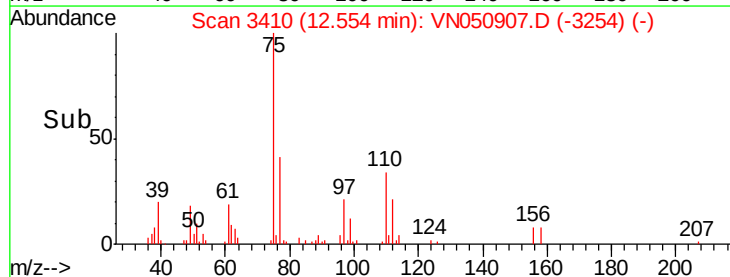
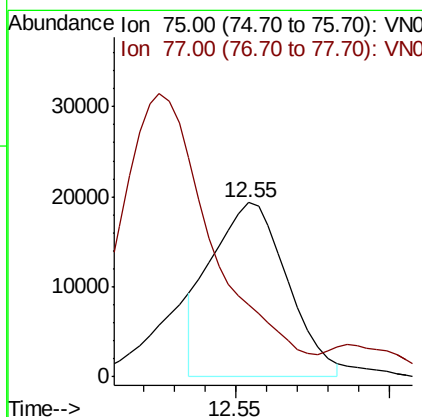
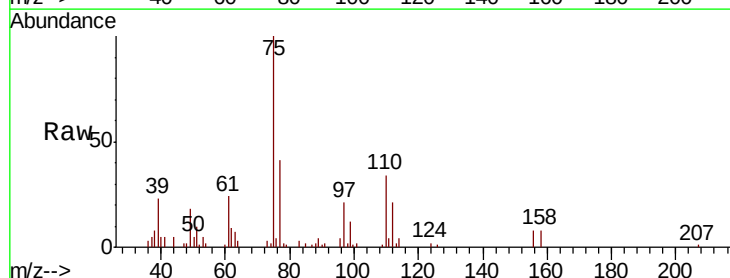
RT: 12.55 min Scan# 3410

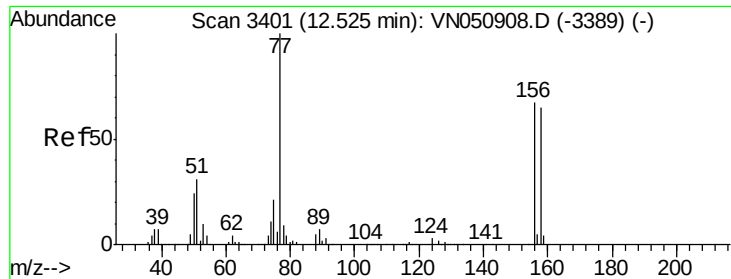
Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	75	Resp:	33119
Ion Ratio	Lower	Upper	
75	100		
77	200.3	0.0	301.6





#73

Bromobenzene

Concen: 4.82 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 37435

Ion Ratio Lower Upper

156 100

77 177.2 0.0 359.4

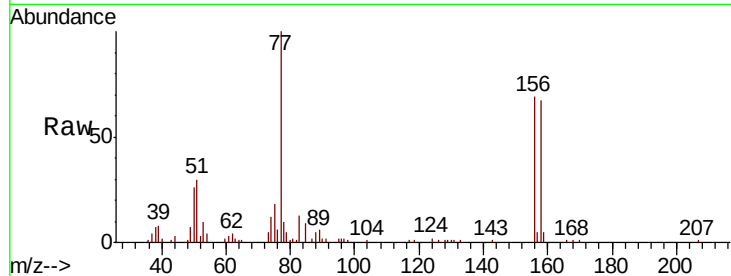
158 96.7 0.0 194.6

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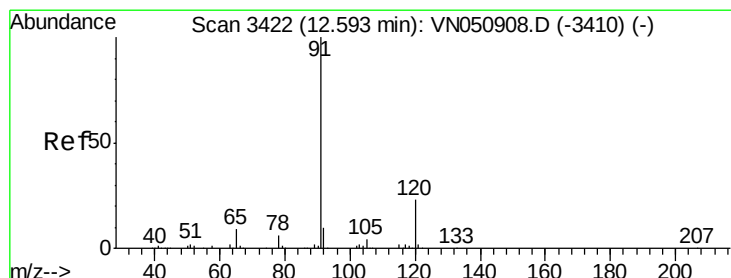
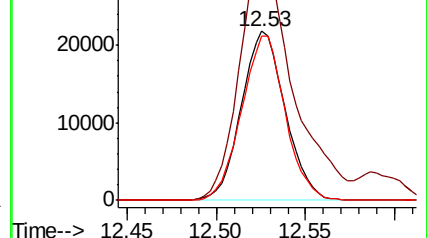
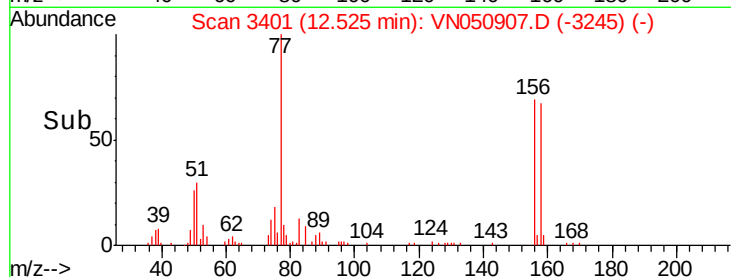
8/29/2018 11:09:47 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.34 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050907.D

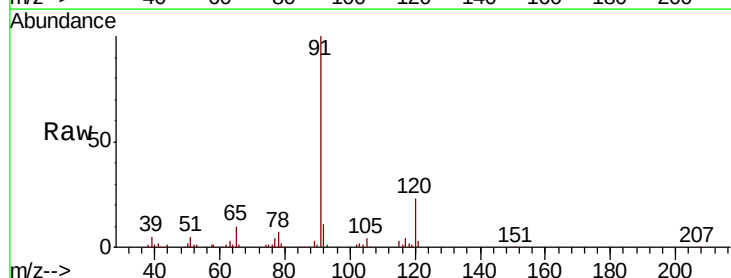
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 144855

Ion Ratio Lower Upper

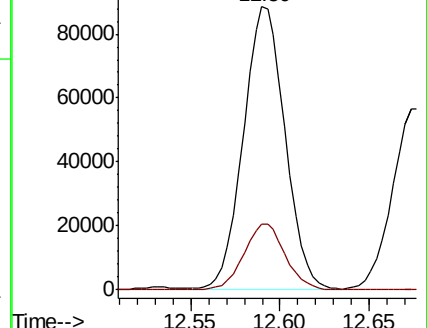
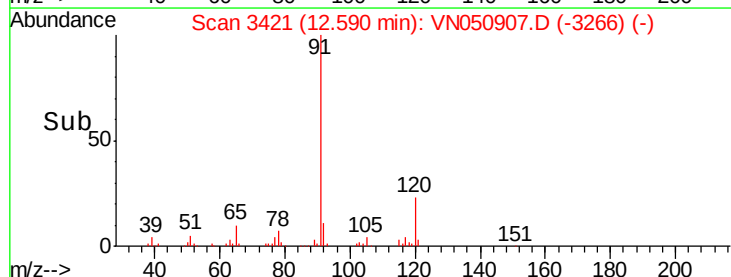
91 100

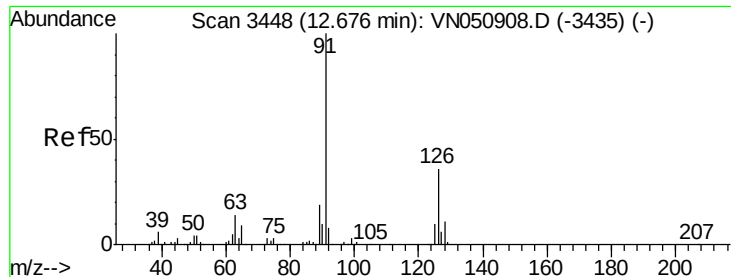
120 22.9 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.74 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 96057

Ion Ratio Lower Upper

91 100

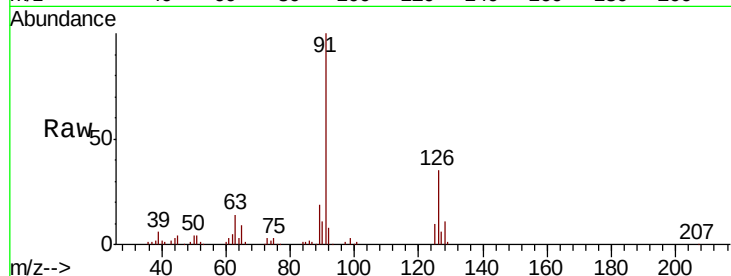
126 34.3 0.0 71.8

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Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

80000

60000

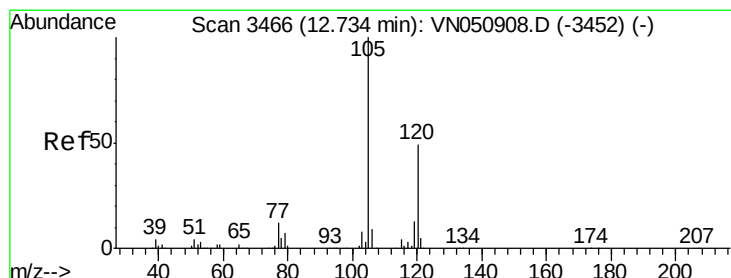
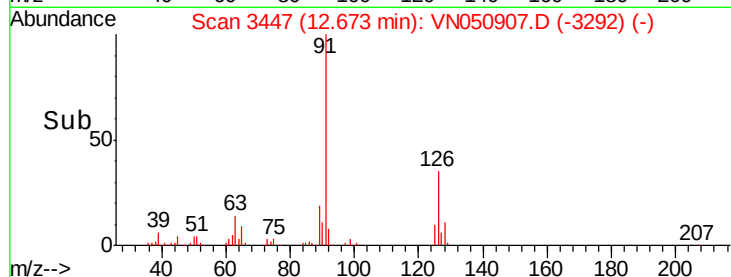
40000

20000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.42 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050907.D

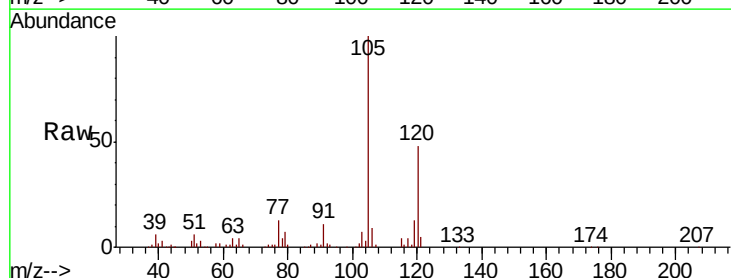
Acq: 28 Aug 2018 12:01

Tgt Ion: 105 Resp: 106628

Ion Ratio Lower Upper

105 100

120 49.1 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

80000

60000

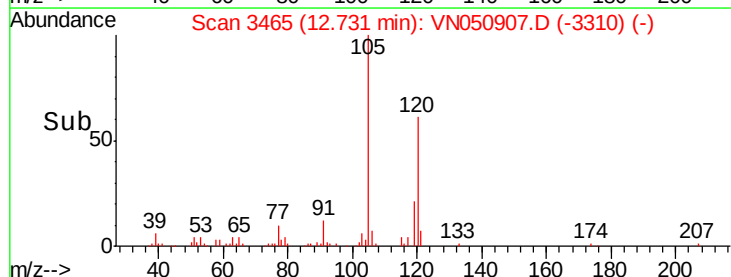
40000

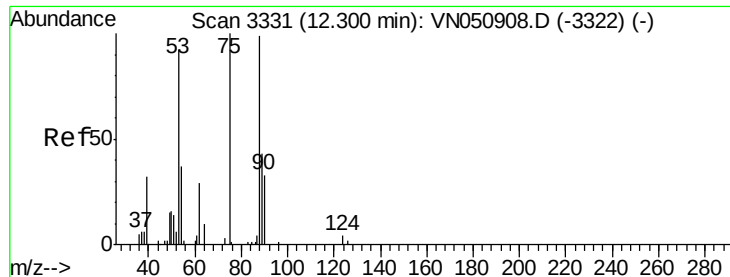
20000

0

12.65 12.70 12.75 12.80

Time-->





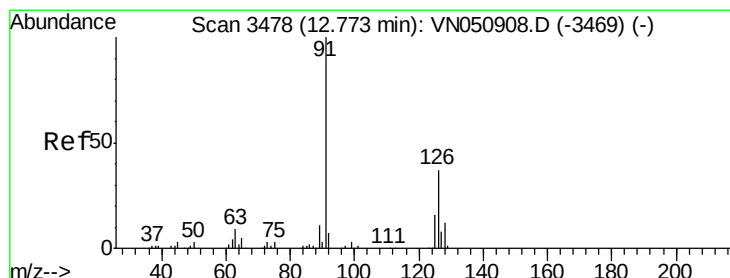
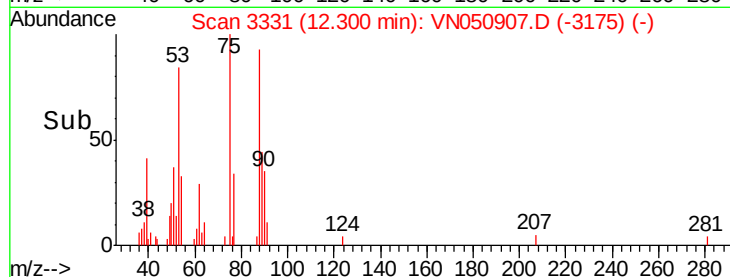
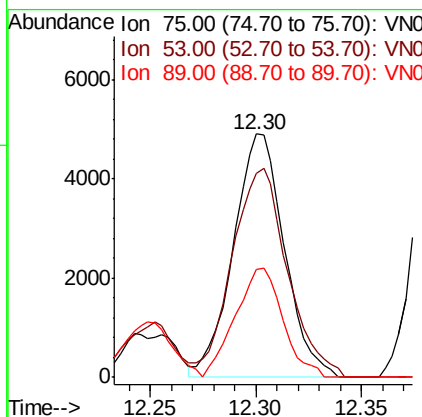
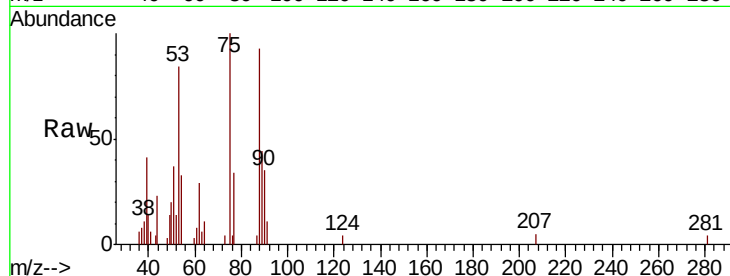
#77
t-1,4-Dichloro-2-butene
Concen: 4.20 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.8	45.5	136.4
89	44.3	21.9	65.8

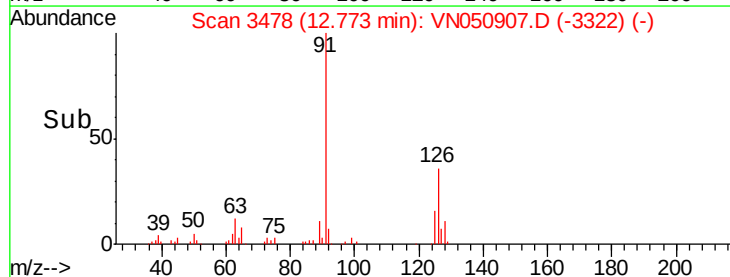
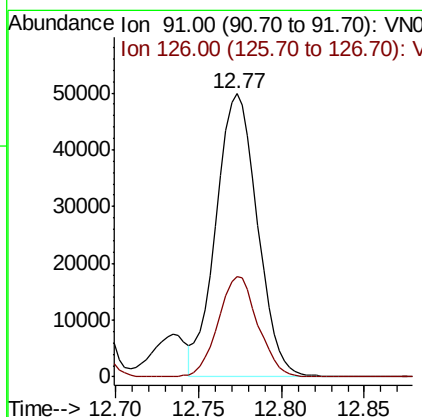
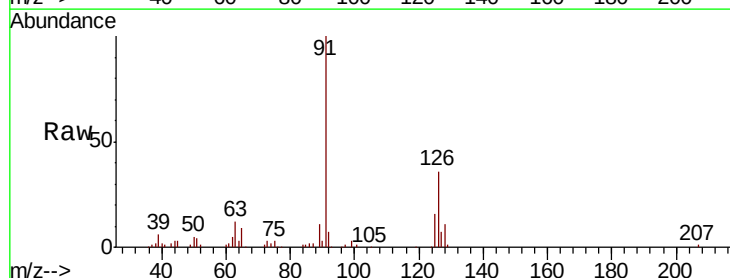
Manual Integrations
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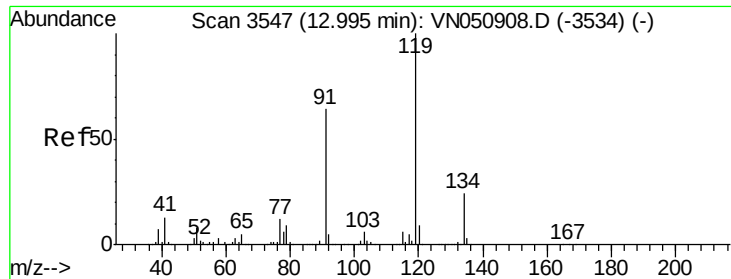
MMDadoda
8/29/2018 11:09:47 AM



#78
4-Chlorotoluene
Concen: 4.35 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	69.8





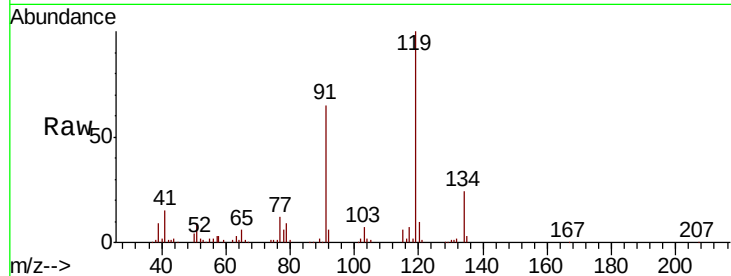
#79
tert-butylbenzene
Concen: 4.44 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

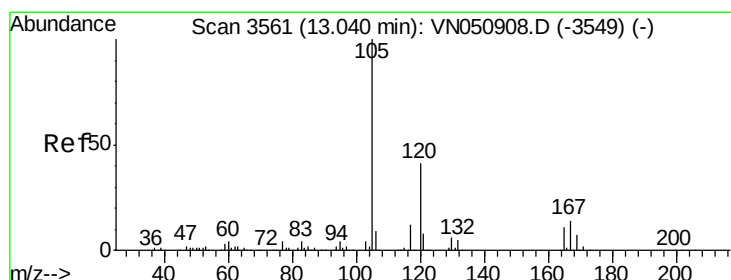
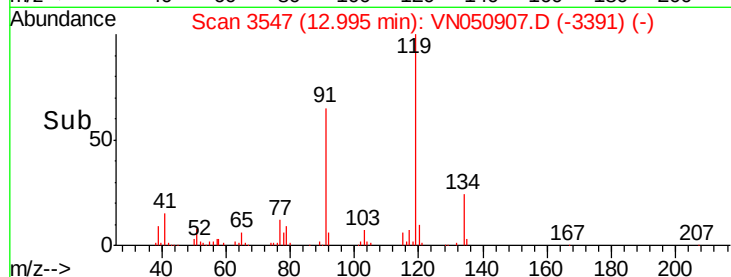
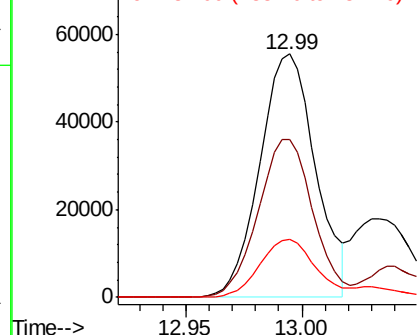
Tot Ion	Ratio	Resp	Lower	Upper
119	100	92919		
91	63.9		0.0	125.6
134	23.9		0.0	48.4

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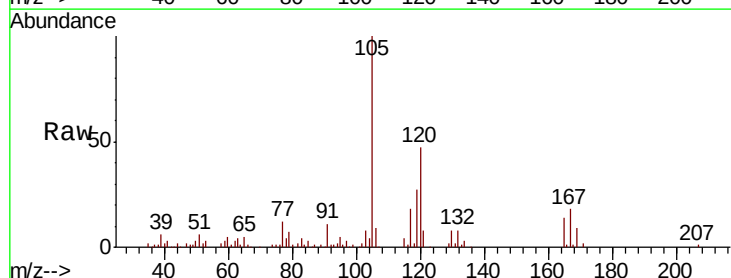


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

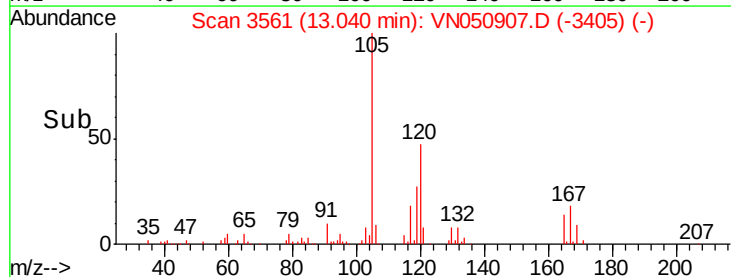
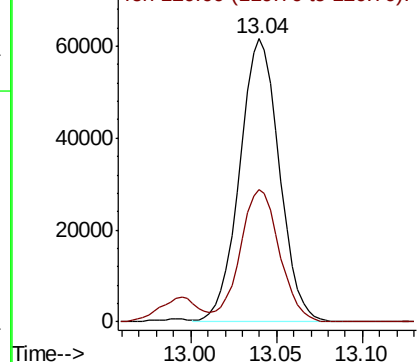


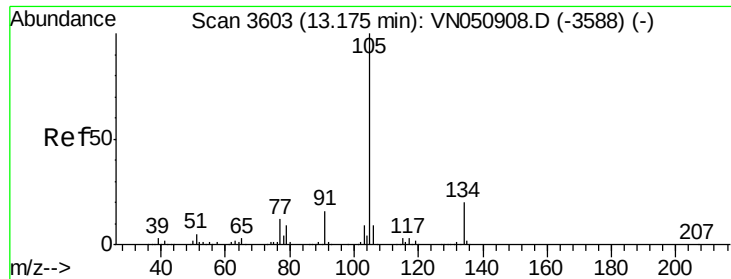
#80
1,2,4-Trimethylbenzene
Concen: 4.12 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	99027		
120	46.3		0.0	93.6



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





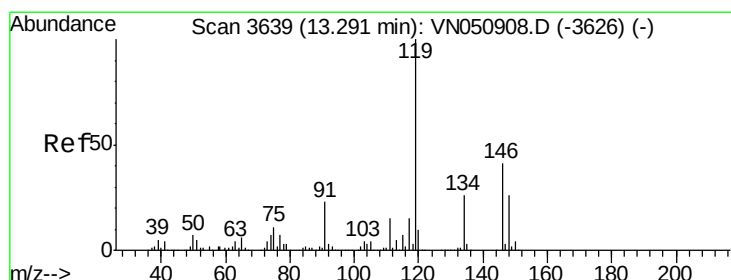
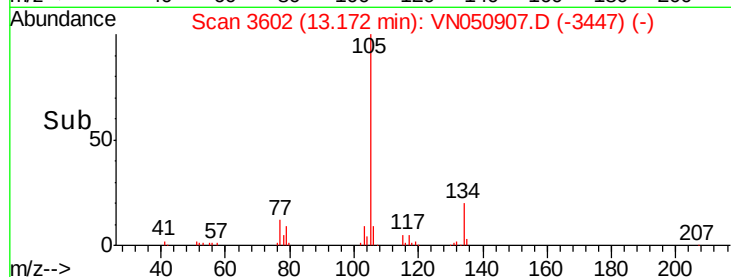
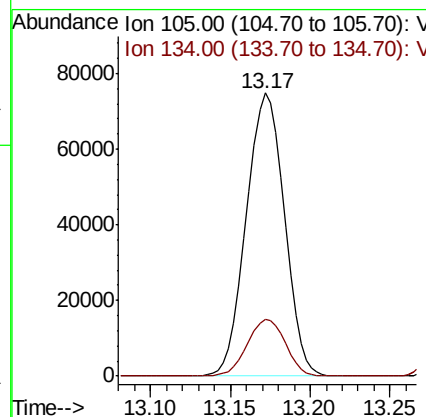
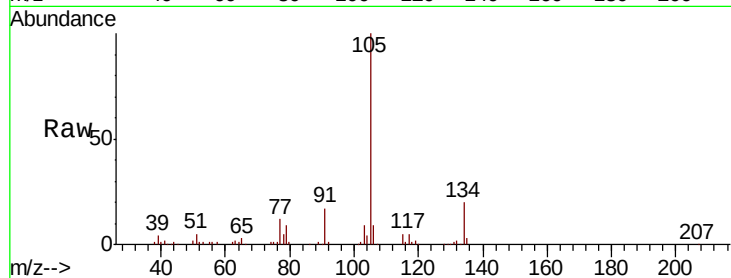
#81
 sec-Butylbenzene
 Concen: 4.45 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	121955		
134	20.0	0.0	40.8	

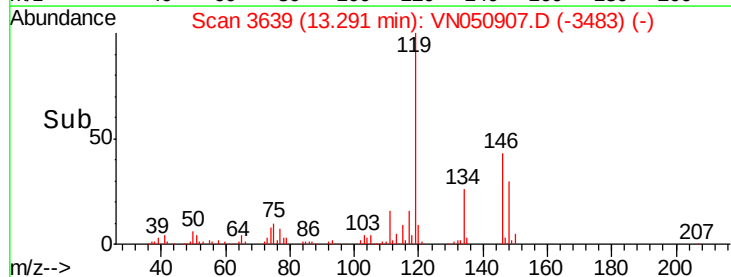
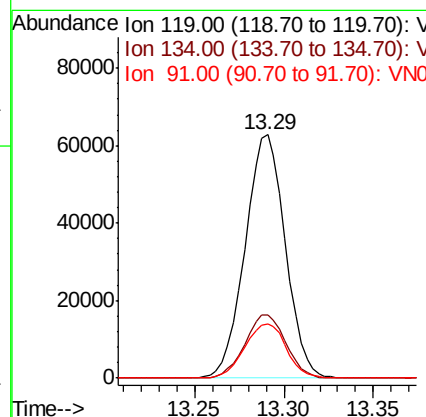
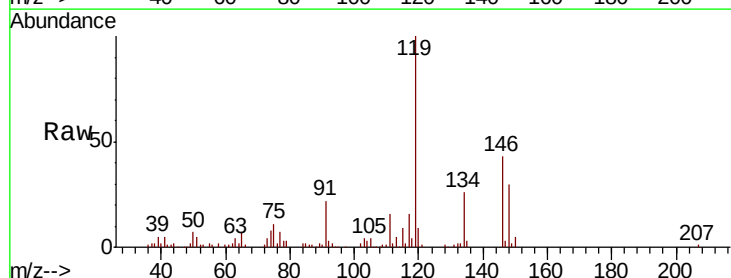
Manual Integrations
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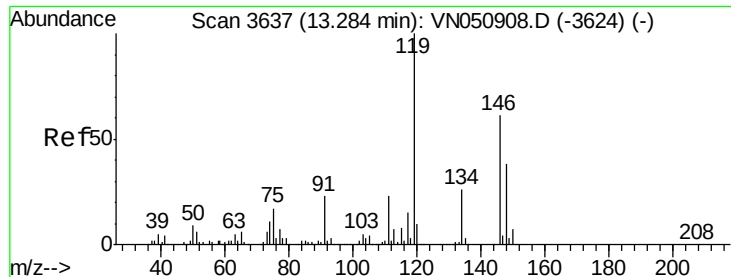
MMDadoda
 8/29/2018 11:09:47 AM



#82
 p-Isopropyltoluene
 Concen: 4.16 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	98490		
134	26.5	0.0	53.2	
91	23.1	0.0	46.0	





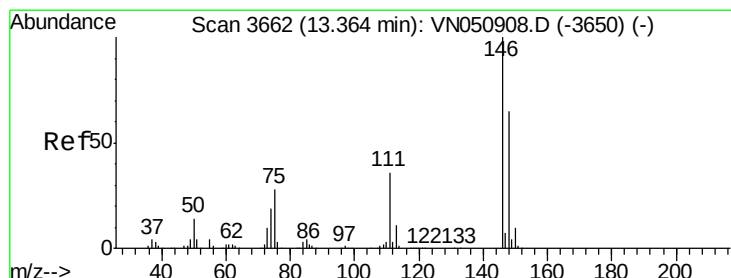
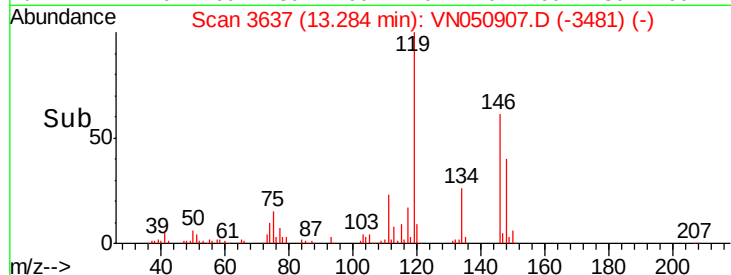
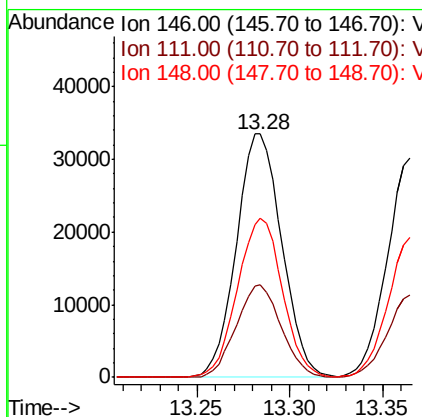
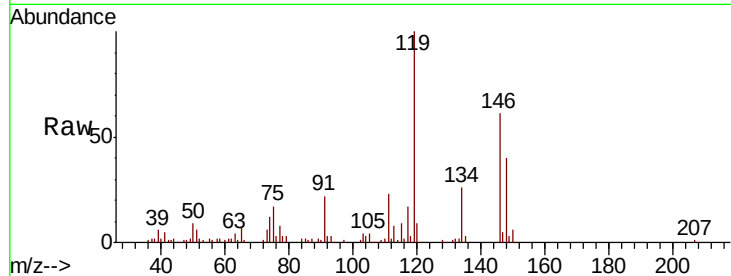
#83
 1,3-Dichlorobenzene
 Concen: 4.34 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	64.7	31.8	95.3

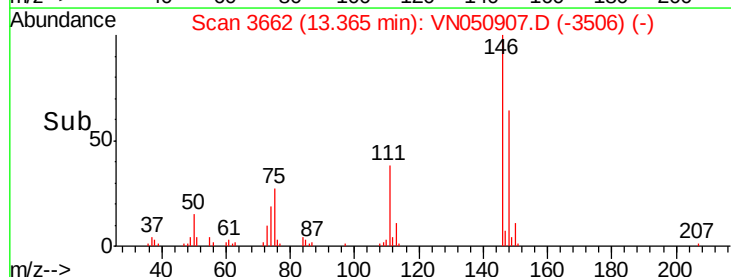
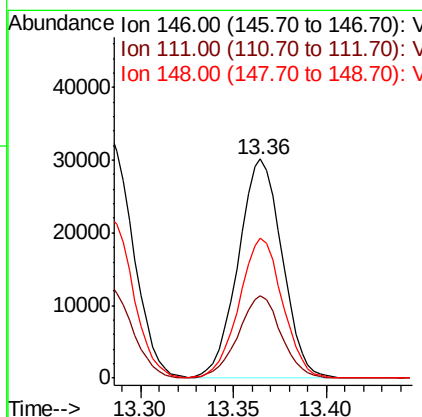
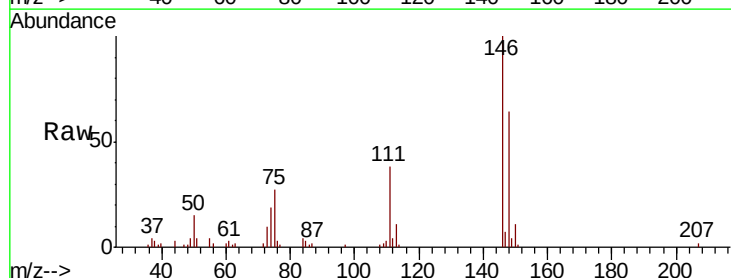
Manual Integrations
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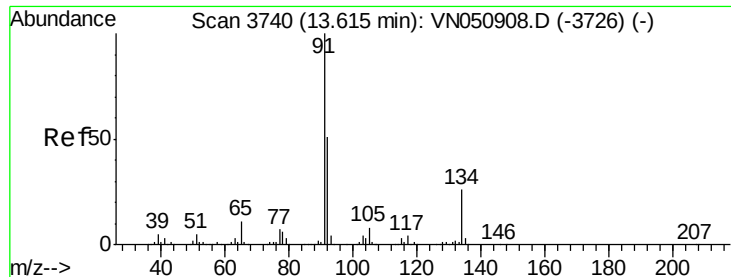
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 8/29/2018 11:09:47 AM



#84
 1,4-Dichlorobenzene
 Concen: 3.99 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.7	53.1
148	63.0	31.6	94.8





#85

n-Butylbenzene

Concen: 3.51 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

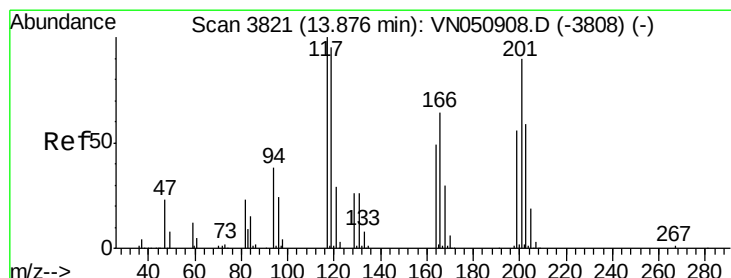
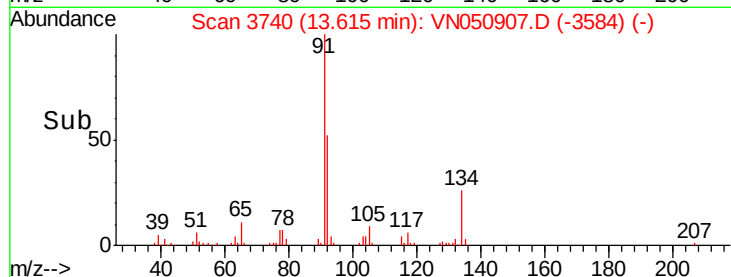
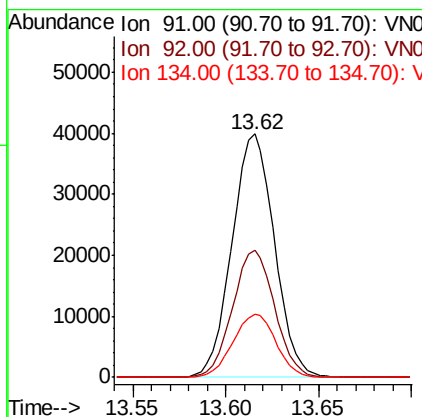
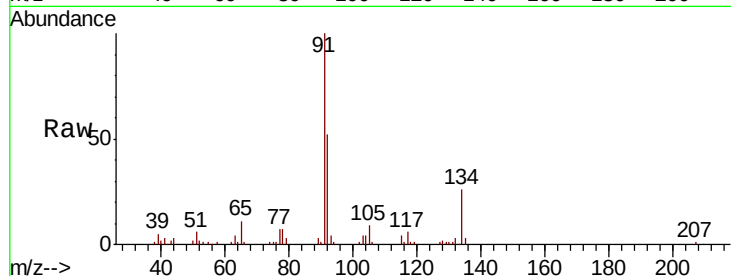
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	101.8
134	26.2	0.0	52.2

Manual Integrations
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#86

Hexachloroethane

Concen: 5.11 ug/l

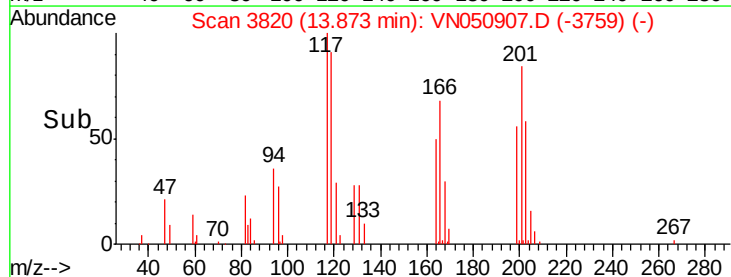
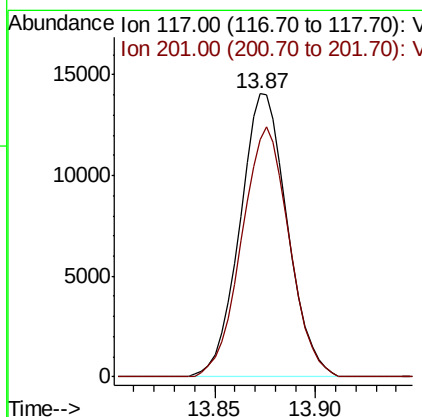
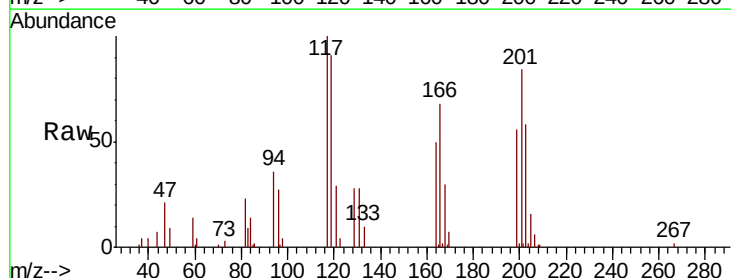
RT: 13.87 min Scan# 3820

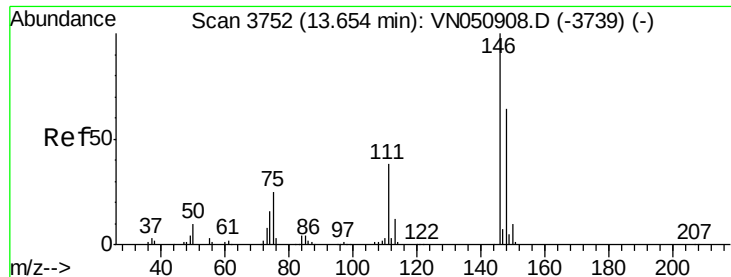
Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	45.8	137.4





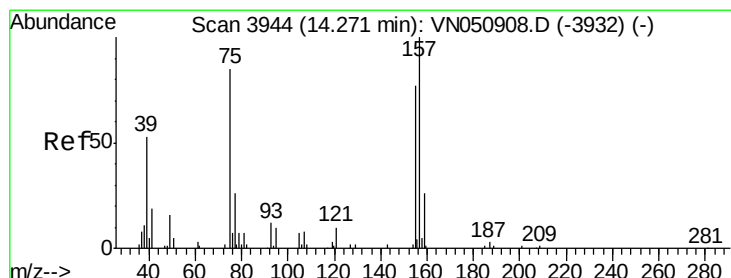
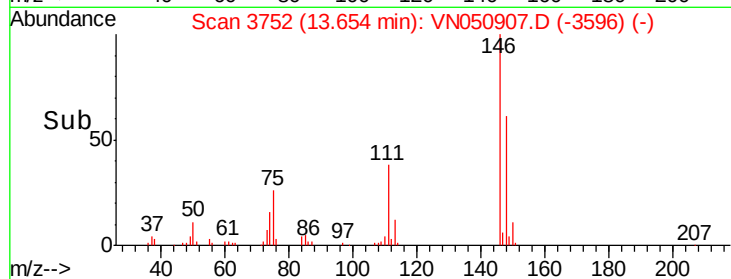
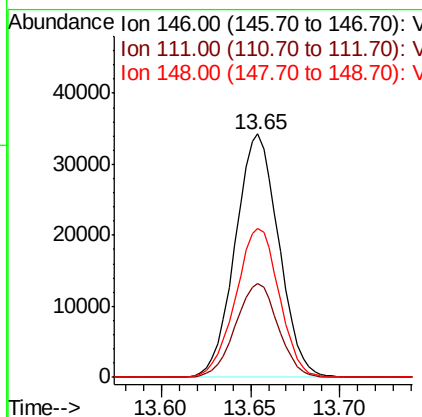
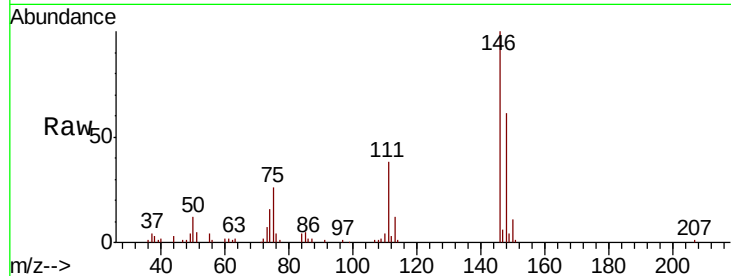
#87
 1,2-Dichlorobenzene
 Concen: 4.51 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	61.4	31.9	95.9

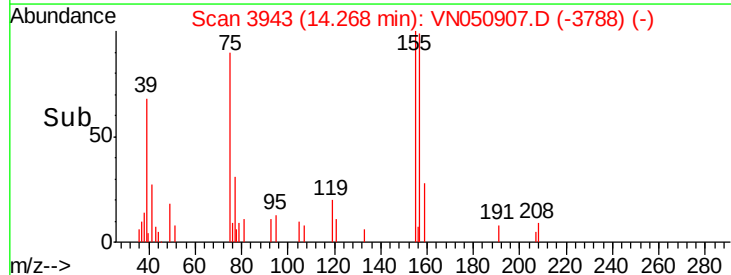
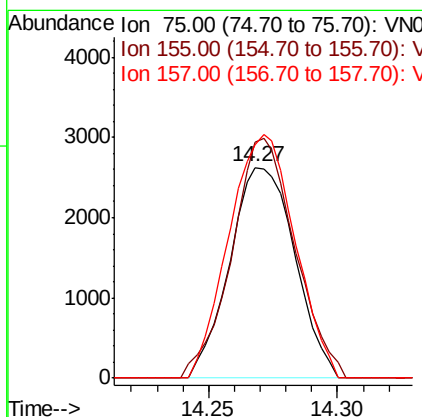
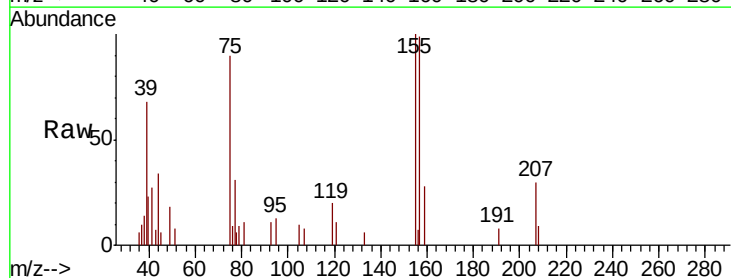
Manual Integrations
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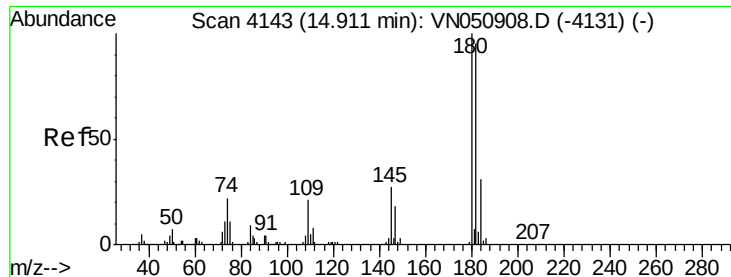
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.13 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.0	71.8	107.6#
157	117.2	91.1	136.7





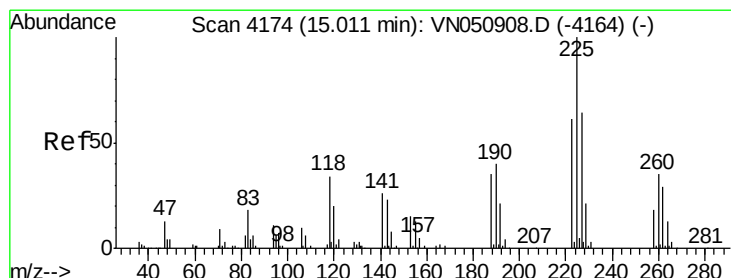
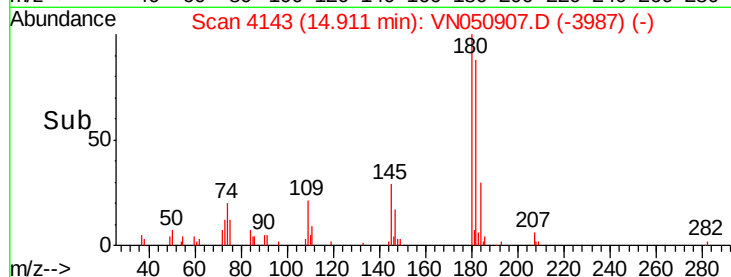
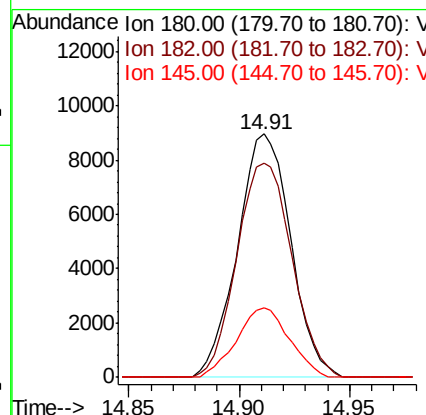
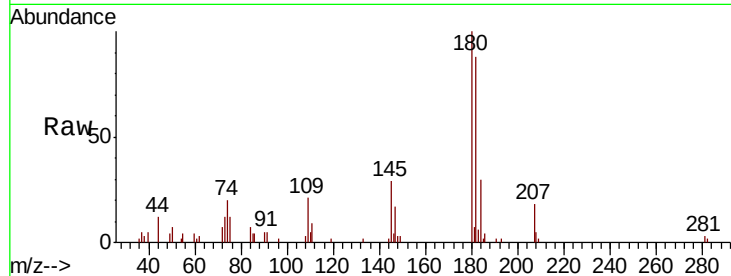
#89
 1,2,4-Trichlorobenzene
 Concen: 2.62 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.2	114.4
145	28.2	22.2	33.4

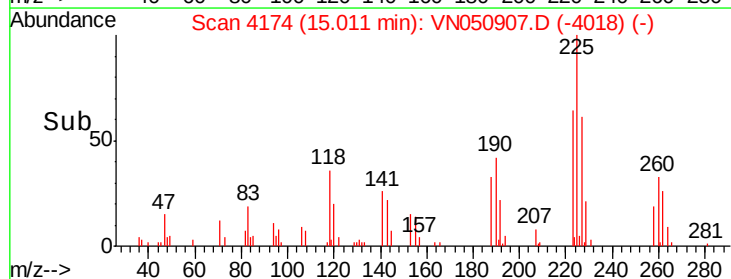
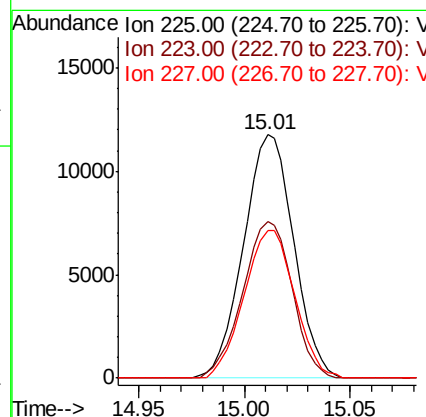
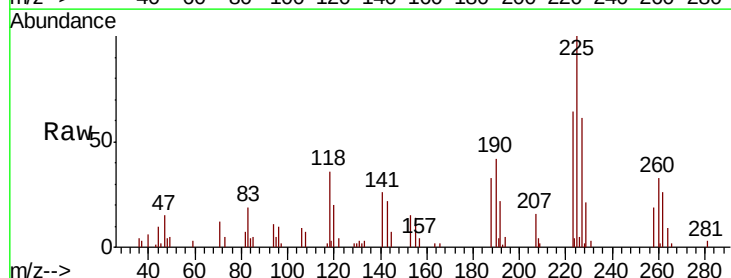
Manual Integrations
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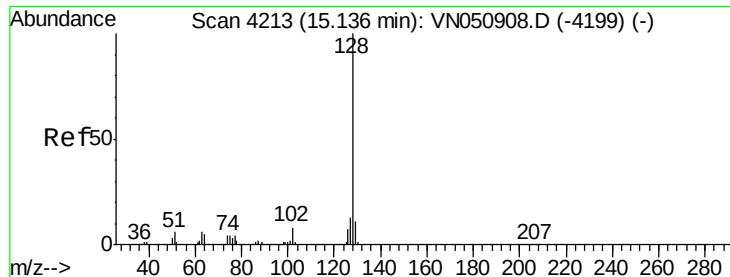
MMDadoda
 8/29/2018 11:09:47 AM



#90
 Hexachlorobutadiene
 Concen: 4.99 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	127.8
227	61.0	0.0	128.4





#91

Naphthalene

Concen: 2.24 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

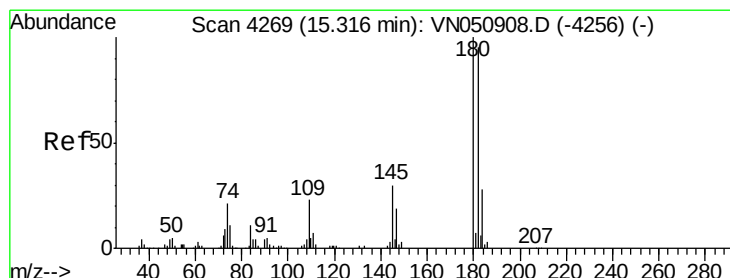
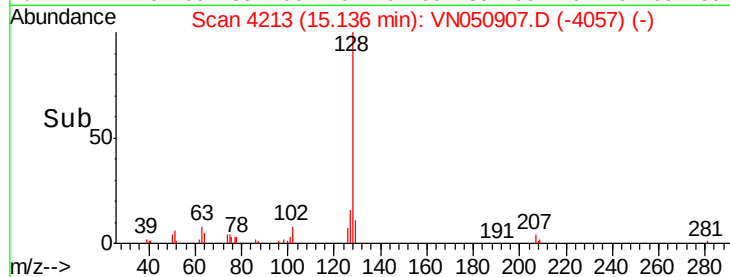
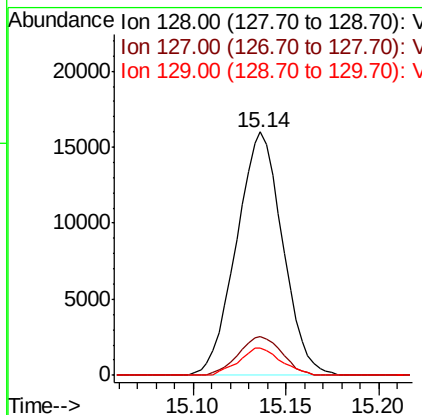
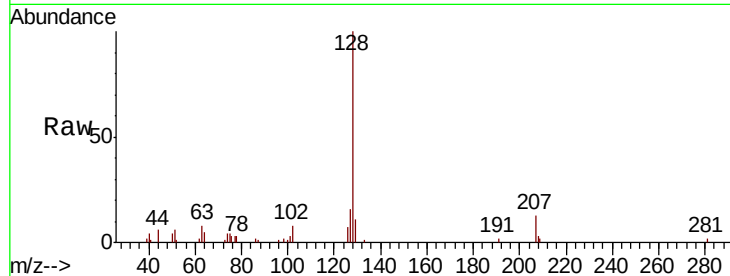
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	27631
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.6	16.0
129	10.2	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 2.98 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Tgt Ion:	180	Resp:	17216
Ion Ratio	Lower	Upper	
180	100		
182	100.1	0.0	192.8
145	34.1	0.0	60.0

