

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051071.D
 Acq On : 10 Sep 2018 11:01
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:37 AM

Quant Time: Sep 11 02:18:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7519	1.26	ug/l	97
3) Chloromethane	2.06	50	11087	1.30	ug/l	98
4) Vinyl Chloride	2.18	62	9309	1.14	ug/l	98
5) Bromomethane	2.57	94	8843	1.61	ug/l	91
6) Chloroethane	2.70	64	6111	1.21	ug/l	93
7) Trichlorofluoromethane	3.01	101	12230	1.13	ug/l	98
8) Diethyl Ether	3.41	74	3841	0.96	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	8245	1.18	ug/l	99
12) 1,1-Dichloroethene	3.74	96	7465	1.13	ug/l	95
14) Allyl chloride	4.33	41	10030	1.00	ug/l	99
15) Acrylonitrile	5.00	53	11119	4.77	ug/l #	87
16) Acetone	3.82	43	11267	5.88	ug/l	94
17) Carbon Disulfide	4.06	76	32447	1.49	ug/l	97
18) Methyl Acetate	4.34	43	6773	1.23	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	16781m	1.06	ug/l	
20) Methylene Chloride	4.55	84	9207	1.21	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	8606	1.20	ug/l #	83
22) Diisopropyl ether	5.96	45	18153	0.91	ug/l	92
23) Vinyl Acetate	5.90	43	58470	4.32	ug/l	97
24) 1,1-Dichloroethane	5.85	63	13151	1.04	ug/l	93
25) 2-Butanone	6.85	43	13210	4.87	ug/l	100
26) 2,2-Dichloropropane	6.83	77	11518	1.11	ug/l #	71
27) cis-1,2-Dichloroethene	6.83	96	8296	1.06	ug/l	97
28) Bromochloromethane	7.20	49	6126	1.09	ug/l #	98
29) Tetrahydrofuran	7.22	42	7928	4.68	ug/l	97
30) Chloroform	7.38	83	13219	1.05	ug/l	99
31) Cyclohexane	7.66	56	19697	1.54	ug/l #	21
32) 1,1,1-Trichloroethane	7.57	97	11047	1.03	ug/l #	50
36) 1,1-Dichloropropene	7.80	75	10845	1.06	ug/l #	88
37) Ethyl Acetate	6.93	43	5219	0.88	ug/l #	71
38) Carbon Tetrachloride	7.77	117	10387	1.03	ug/l	93
39) Methylcyclohexane	9.08	83	10826	0.96	ug/l	98
40) Benzene	8.04	78	30697	1.00	ug/l	98
41) Methacrylonitrile	7.18	41	2975	0.97	ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.13	62	9071	1.01	ug/l	96
43) Isopropyl Acetate	8.17	43	9023	0.86	ug/l #	61
44) Trichloroethene	8.84	130	9324	1.11	ug/l	91
45) 1,2-Dichloropropane	9.12	63	7738	0.97	ug/l	98
46) Dibromomethane	9.21	93	5303	1.09	ug/l	94
47) Bromodichloromethane	9.41	83	9548	0.97	ug/l	89
48) Methyl methacrylate	9.21	41	4538	0.89	ug/l	89
49) 1,4-Dioxane	9.20	88	1385	17.34	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	24353	4.21	ug/l	95
52) Toluene	10.16	92	17197	0.92	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	8576	0.87	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	10476	0.90	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	6626	0.97	ug/l	99
56) Ethyl methacrylate	10.43	69	6061	0.74	ug/l	98
57) 1,3-Dichloropropane	10.71	76	10728	0.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	11772	3.53	ug/l	97
59) 2-Hexanone	10.75	43	17148	4.38	ug/l	88
60) Dibromochloromethane	10.90	129	6975	0.91	ug/l	99
61) 1,2-Dibromoethane	11.00	107	5968	0.89	ug/l	99
64) Tetrachloroethene	10.63	164	8395	1.15	ug/l	98
65) Chlorobenzene	11.43	112	21315	1.06	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	7262	1.00	ug/l #	64
67) Ethyl Benzene	11.51	91	30414	0.93	ug/l	100
68) m/p-Xylenes	11.62	106	21638	1.73	ug/l	96
69) o-Xylene	11.95	106	10819	0.89	ug/l	99
70) Styrene	11.97	104	14143	0.75	ug/l	96
71) Bromoform	12.13	173	4404	0.86	ug/l #	94
73) Isopropylbenzene	12.25	105	24945	1.09	ug/l	97
74) N-amyl acetate	12.07	43	6222	1.08	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	8175	1.34	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	6573m	1.44	ug/l	
77) Bromobenzene	12.53	156	7613	1.23	ug/l	86
78) n-propylbenzene	12.59	91	26342	1.04	ug/l	98
79) 2-Chlorotoluene	12.68	91	18633	1.18	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	19488	1.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	1297	0.90	ug/l #	66
82) 4-Chlorotoluene	12.77	91	18038	1.15	ug/l	97
83) tert-Butylbenzene	12.99	119	17638	1.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	16811	0.92	ug/l	93
85) sec-Butylbenzene	13.17	105	21585	1.03	ug/l	100
86) p-Isopropyltoluene	13.29	119	16120	0.90	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	13035	1.25	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	13671m	1.33	ug/l	
89) n-Butylbenzene	13.61	91	13161	0.95	ug/l	91
90) Hexachloroethane	13.87	117	4994	1.37	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	12945	1.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1414	1.59	ug/l	60
93) 1,2,4-Trichlorobenzene	14.91	180	5102	1.16	ug/l	86
94) Hexachlorobutadiene	15.01	225	5907	1.64	ug/l	96
95) Naphthalene	15.13	128	12900	1.39	ug/l	96

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ClientSampleId :
VSTDICC001

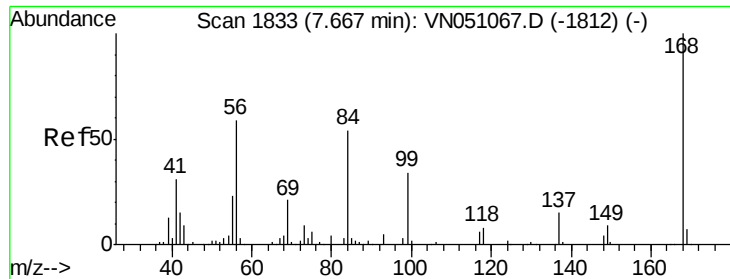
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	6340	1.39	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 619459

Ion Ratio Lower Upper

168 100

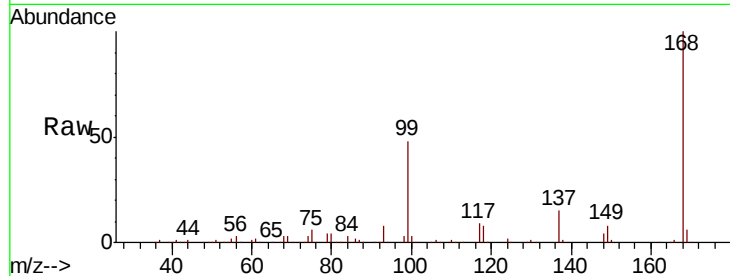
99 48.1 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

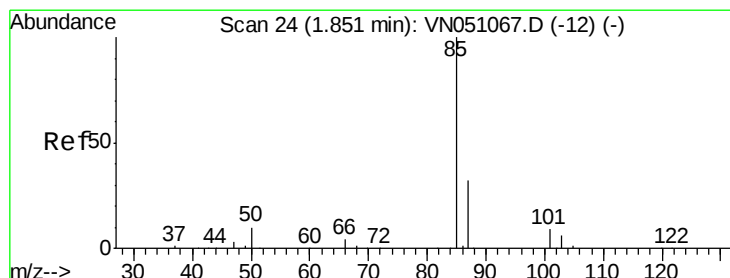
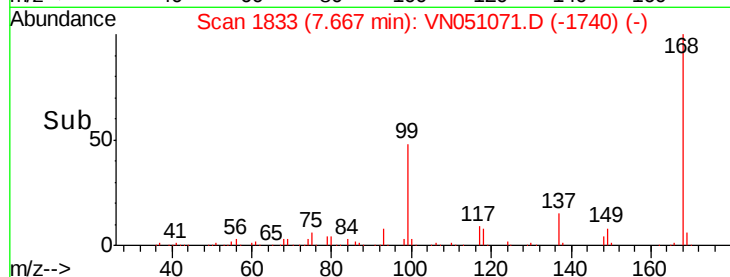
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.26 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051071.D

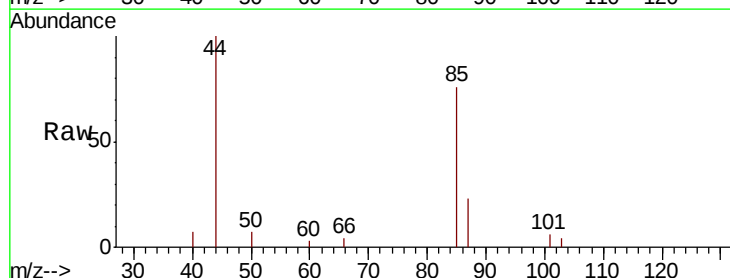
Acq: 10 Sep 2018 11:01

Tgt Ion: 85 Resp: 7519

Ion Ratio Lower Upper

85 100

87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

6000

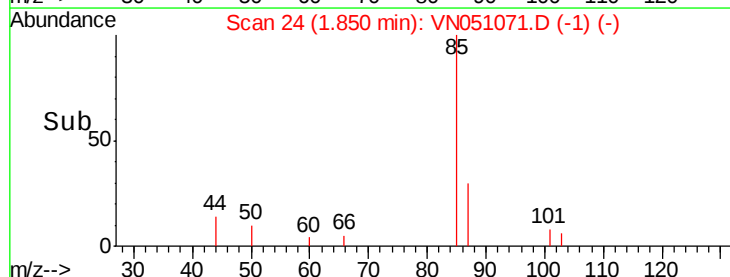
4000

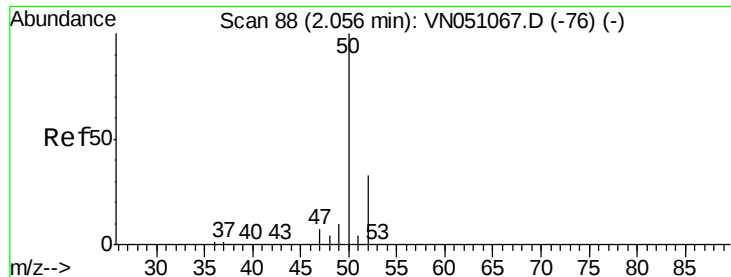
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.30 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 11087

Ion Ratio Lower Upper

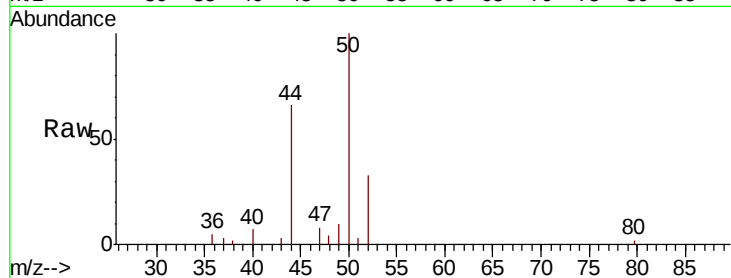
50 100

52 33.4 26.0 39.0

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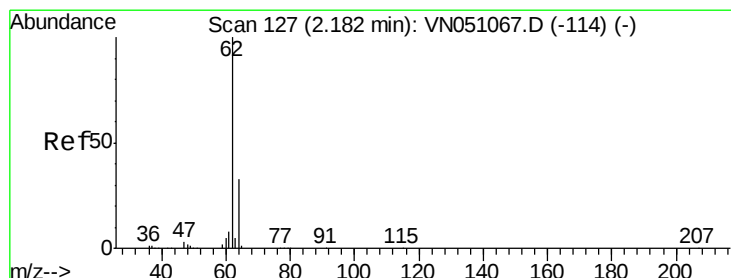
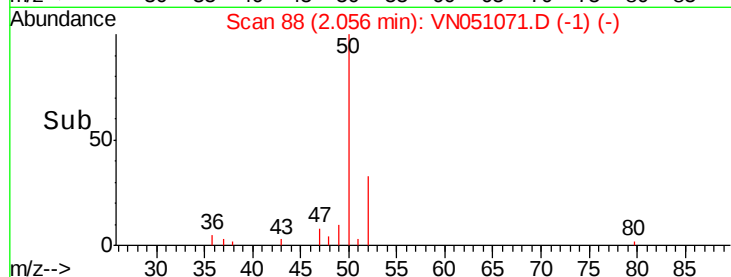
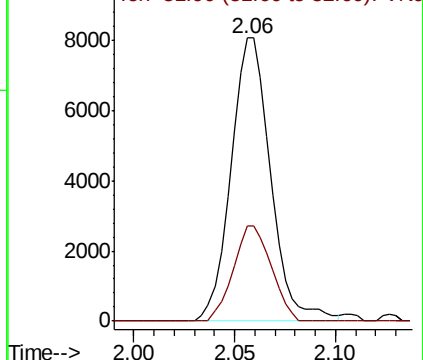
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 1.14 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051071.D

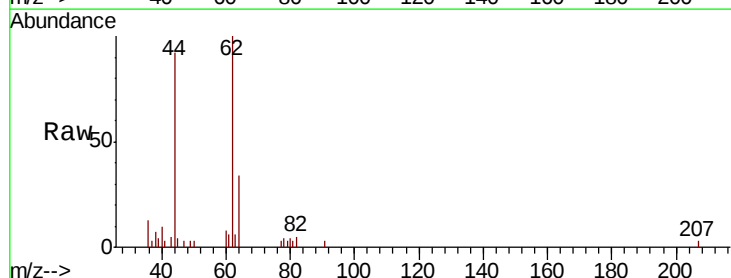
Acq: 10 Sep 2018 11:01

Tgt Ion: 62 Resp: 9309

Ion Ratio Lower Upper

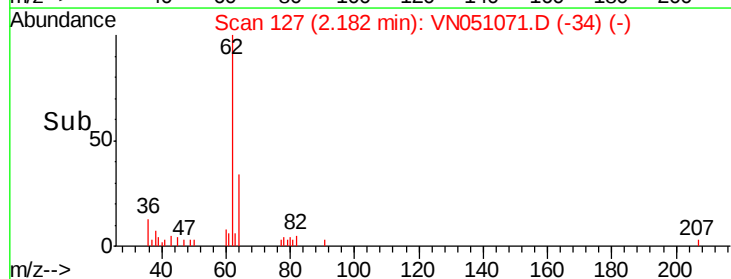
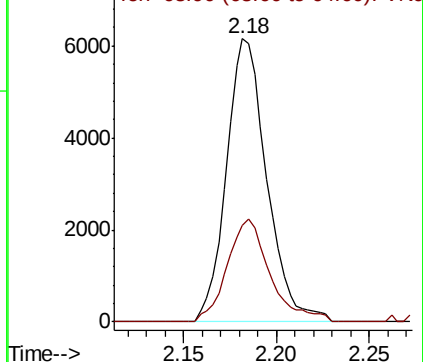
62 100

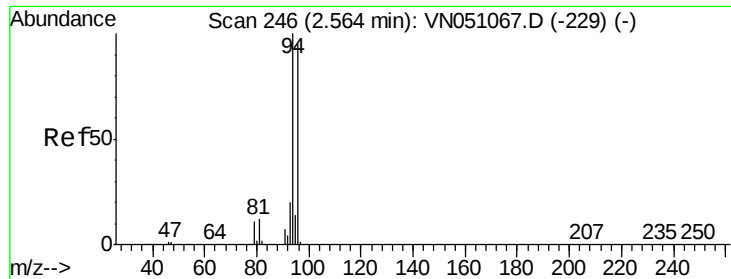
64 34.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 1.61 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 8843

Ion Ratio Lower Upper

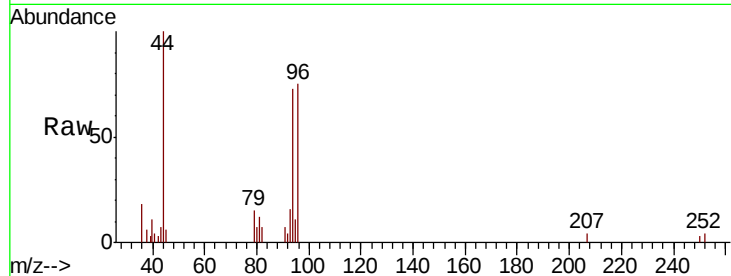
94 100

96 103.7 75.9 113.9

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Abundance Ion 93.90 (93.60 to 94.60): VN051071.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051071.D (-153) (-)

5000

4000

3000

2000

1000

0

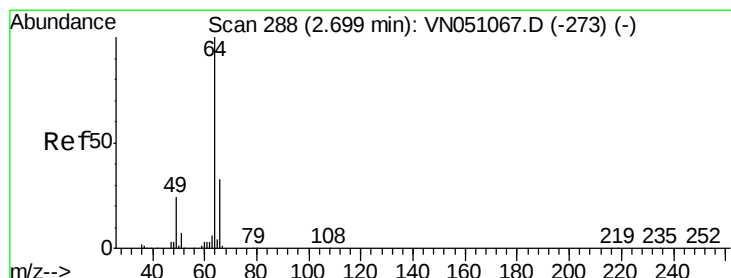
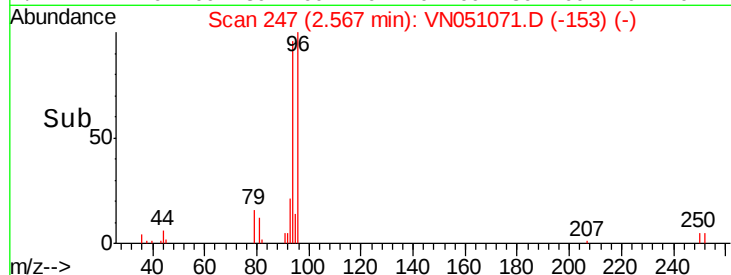
2.50

2.55

2.60

2.65

Time-->



#6

Chloroethane

Concen: 1.21 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051071.D

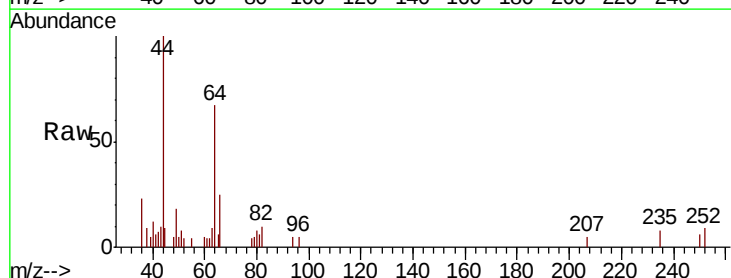
Acq: 10 Sep 2018 11:01

Tgt Ion: 64 Resp: 6111

Ion Ratio Lower Upper

64 100

66 36.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051071.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051071.D (-195) (-)

3000

2500

2000

1500

1000

500

0

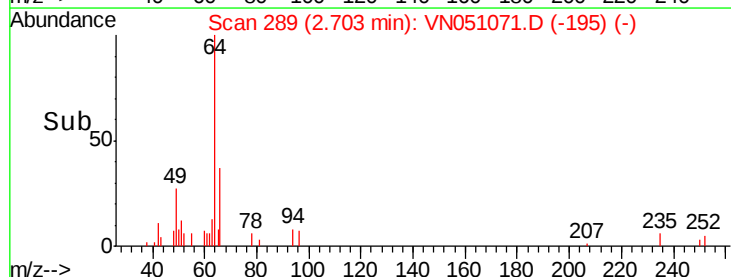
2.60

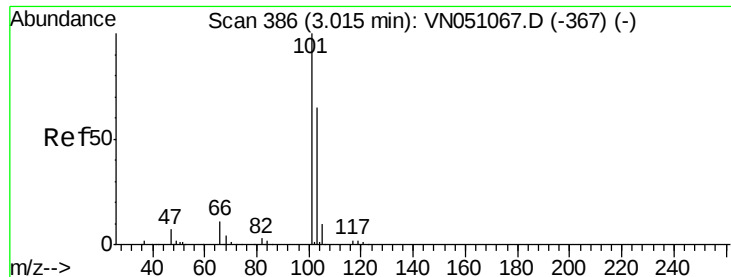
2.65

2.70

2.75

Time-->





#7

Trichlorofluoromethane

Concen: 1.13 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 12230

Ion Ratio Lower Upper

101 100

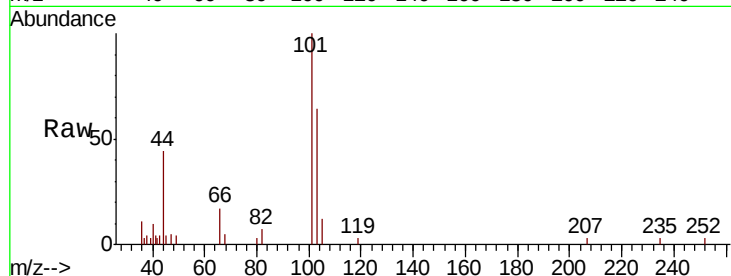
103 64.1 52.4 78.6

Manual Integrations

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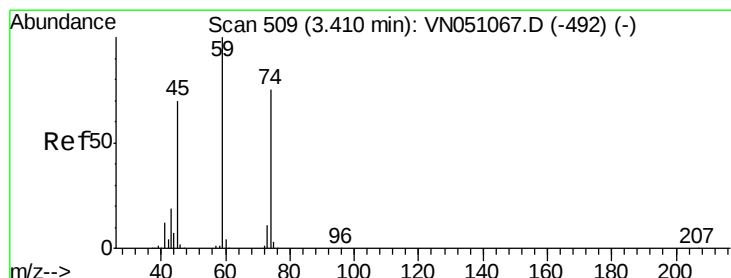
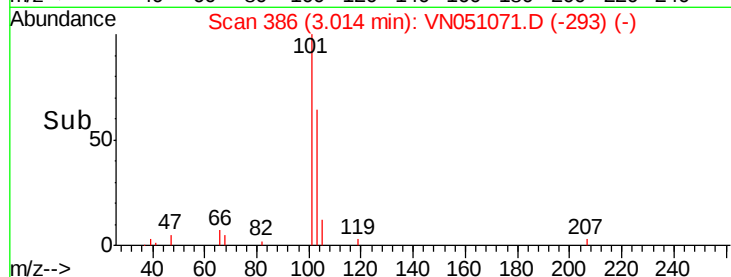
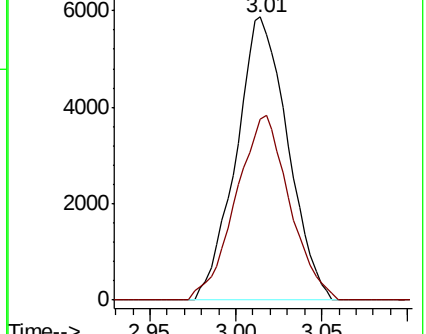
MMDadoda

9/11/2018 9:40:37 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.96 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051071.D

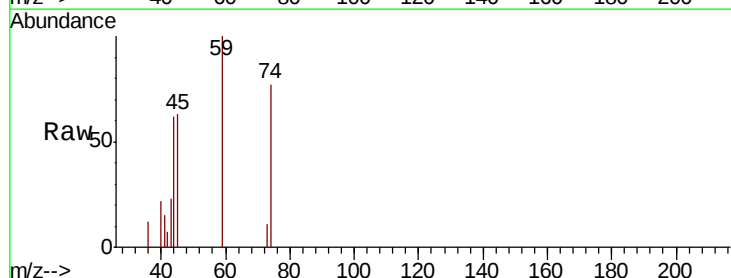
Acq: 10 Sep 2018 11:01

Tgt Ion: 74 Resp: 3841

Ion Ratio Lower Upper

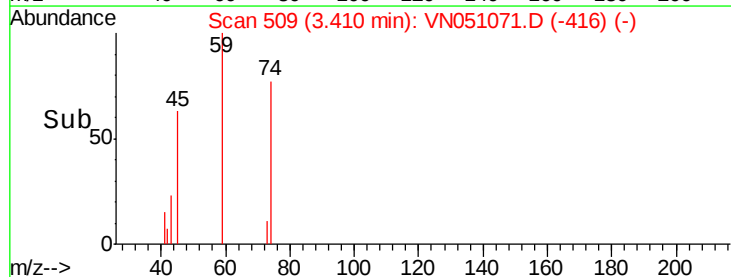
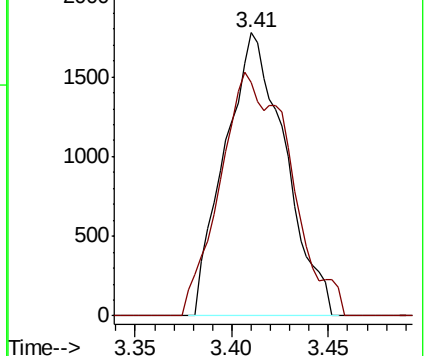
74 100

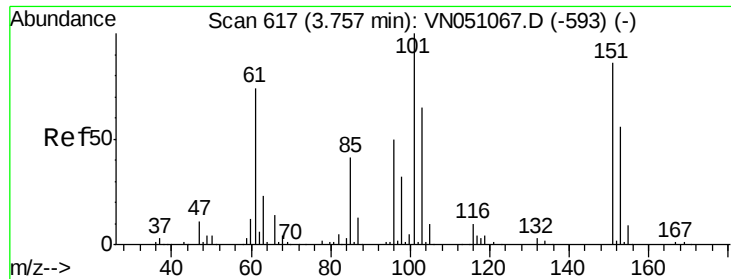
45 100.4 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.18 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

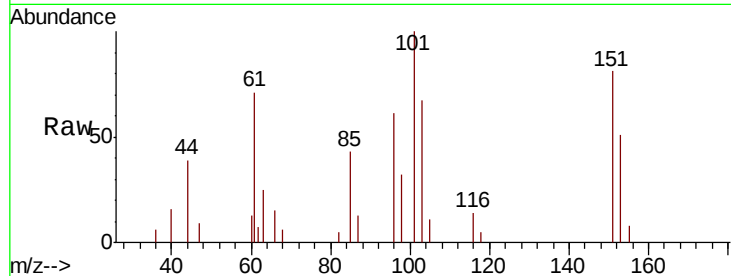
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	8245
Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.3	49.9
151	85.5	68.2	102.2

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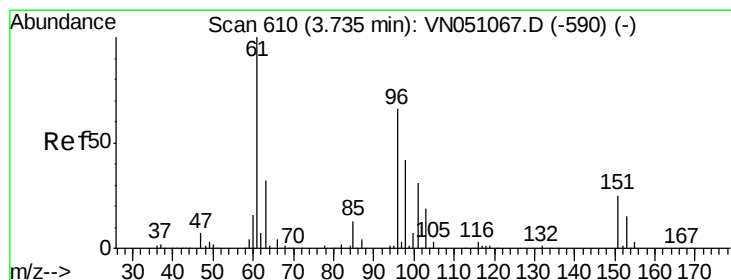
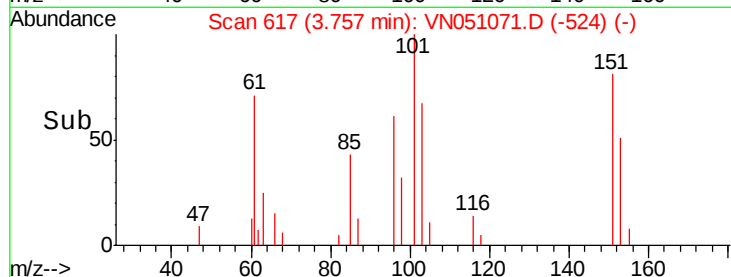
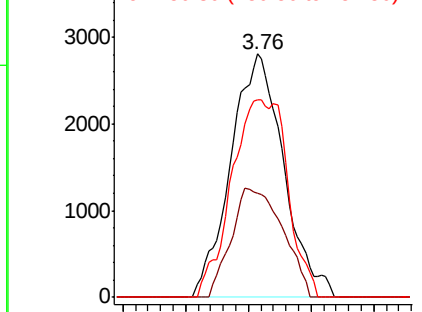
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.13 ug/l

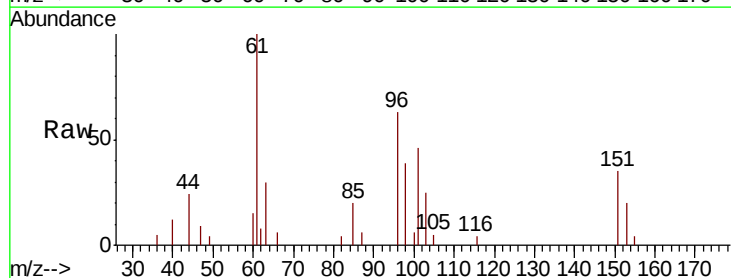
RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

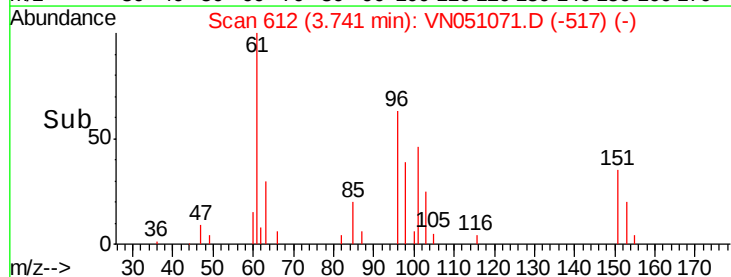
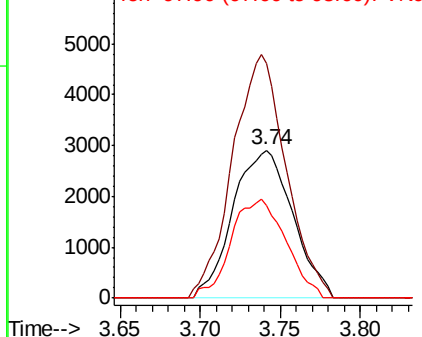
Tgt Ion:	96	Resp:	7465
Ion	Ratio	Lower	Upper
96	100		
61	158.8	120.3	180.5
98	62.4	50.8	76.2

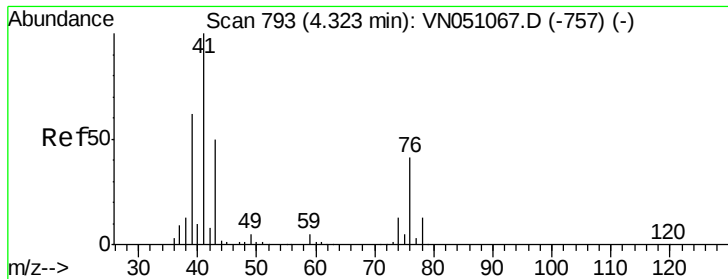


Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN





#14

Allvl chloride

Concen: 1.00 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

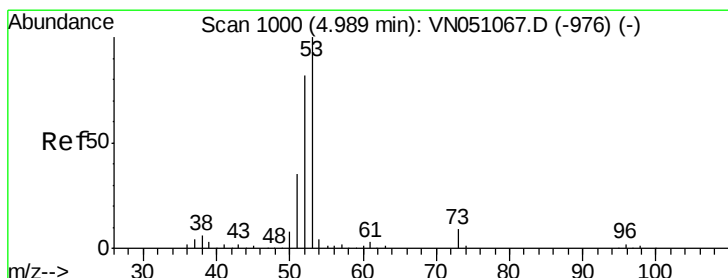
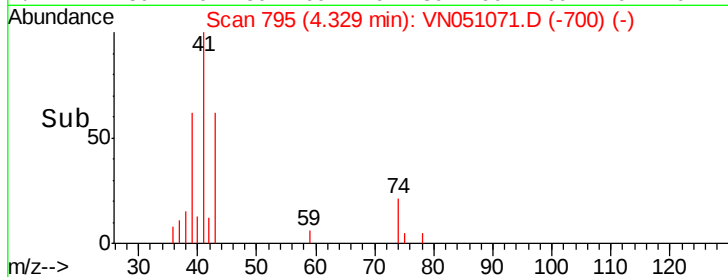
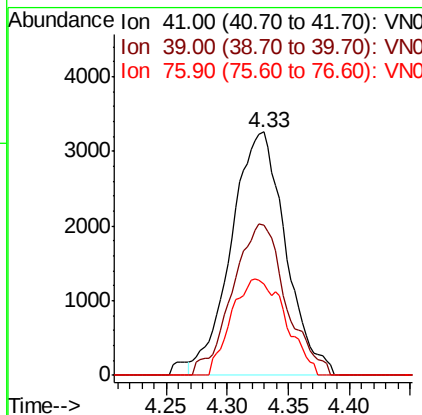
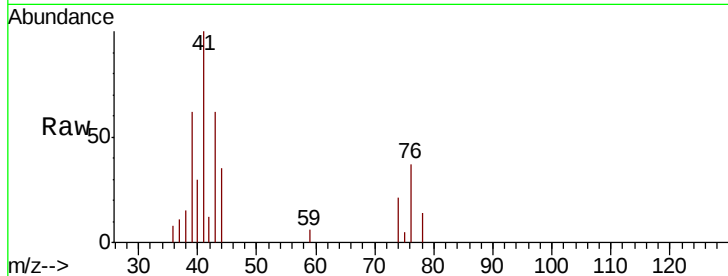
ClientSampled :

VSTDIC001

Tot Ion:	41	Resp:	10030
Ion	Ratio	Lower	Upper
41	100		
39	61.4	48.8	73.2
76	39.7	30.6	45.8

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#15

Acrylonitrile

Concen: 4.77 ug/l

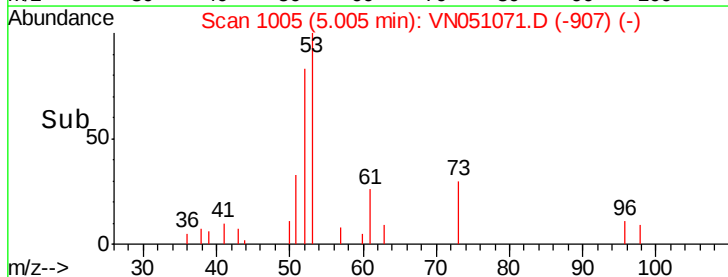
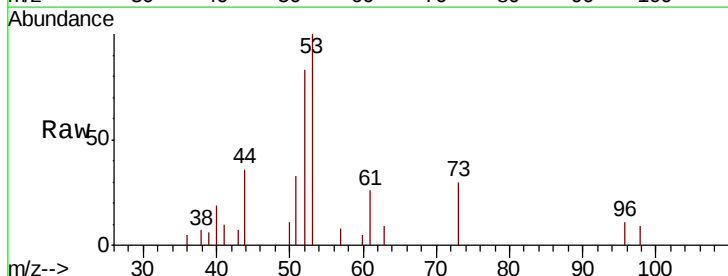
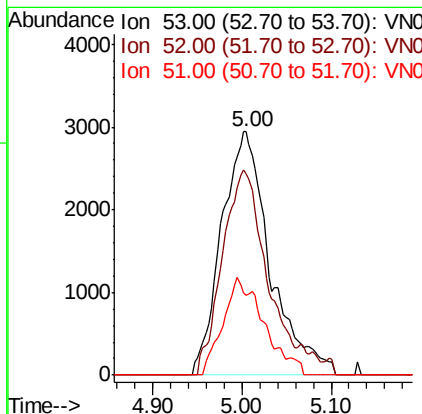
RT: 5.00 min Scan# 1005

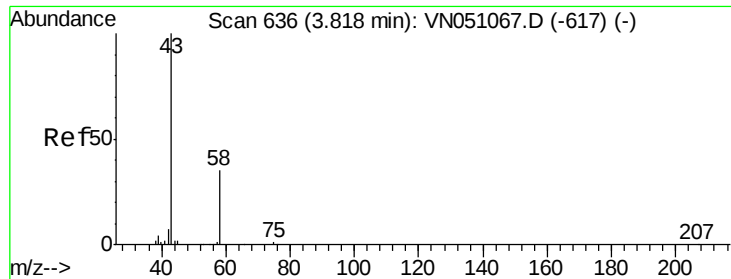
Delta R.T. 0.02 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	53	Resp:	11119
Ion	Ratio	Lower	Upper
53	100		
52	75.9	65.3	97.9
51	18.3	28.2	42.2#





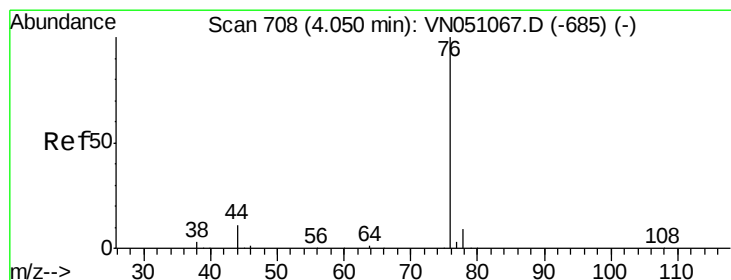
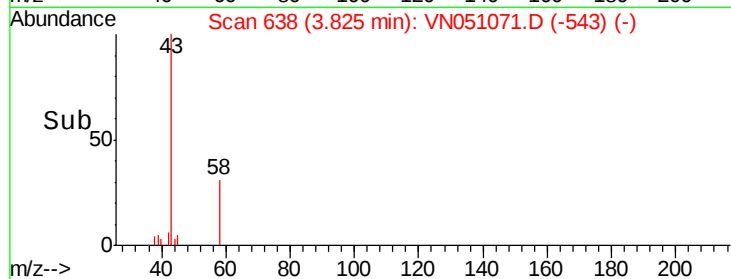
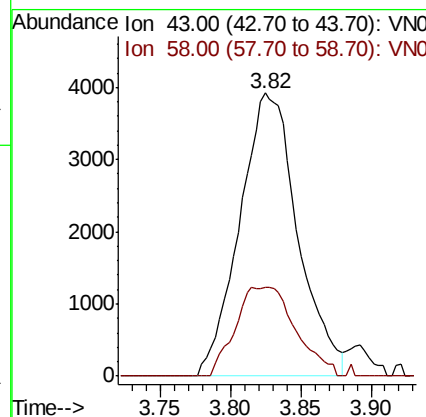
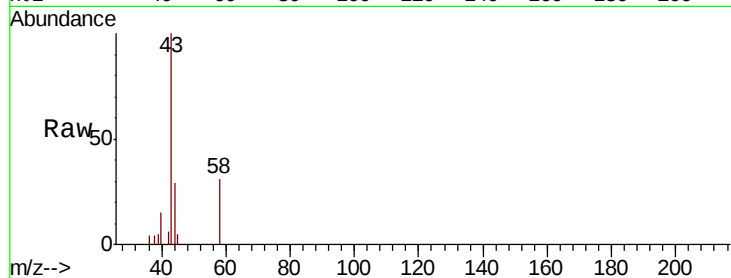
#16
Acetone
Concen: 5.88 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	11267
Ion Ratio	100	Lower	Upper
43	100		
58	31.3	27.8	41.6

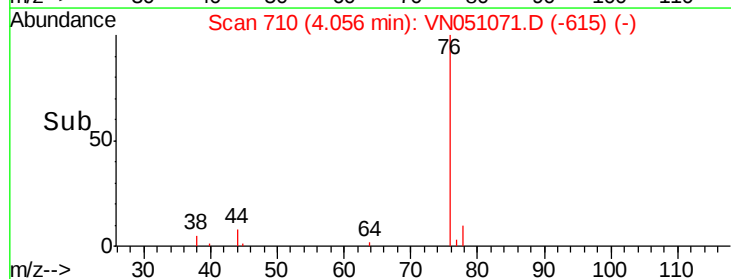
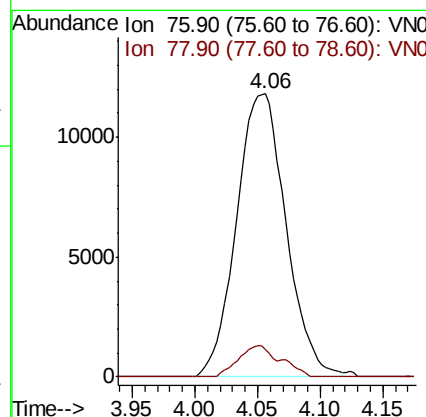
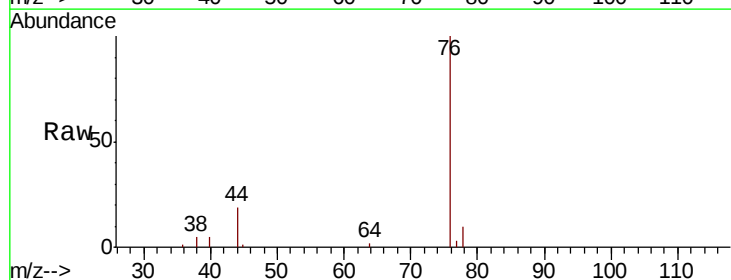
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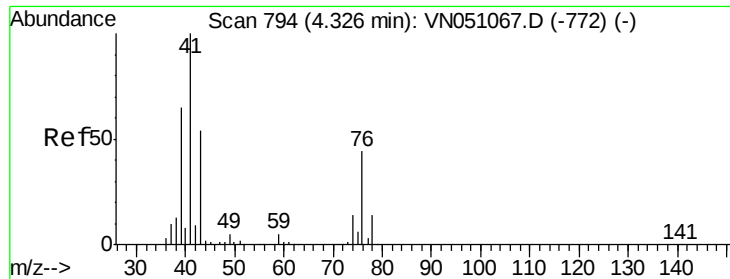
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#17
Carbon Disulfide
Concen: 1.49 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion	76	Resp	32447
Ion Ratio	100	Lower	Upper
76	100		
78	9.8	7.0	10.6





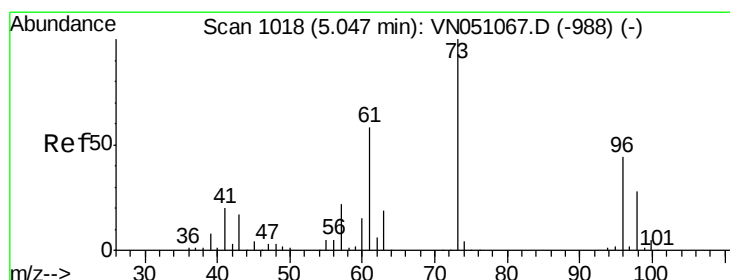
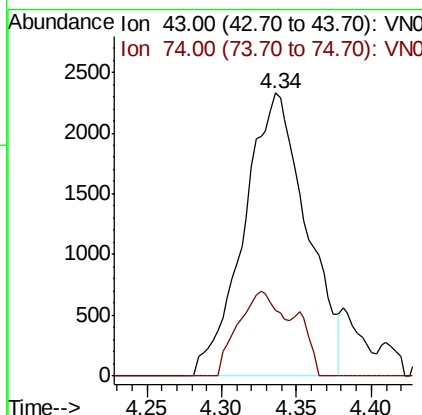
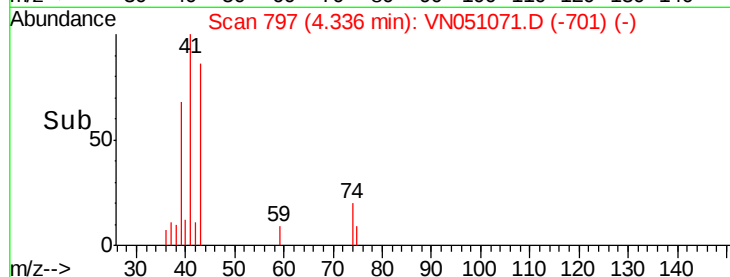
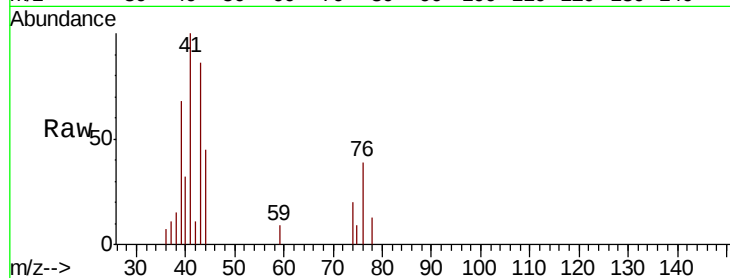
#18
Methyl Acetate
Concen: 1.23 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 6773
Ion Ratio Lower Upper
43 100
74 21.2 20.7 31.1

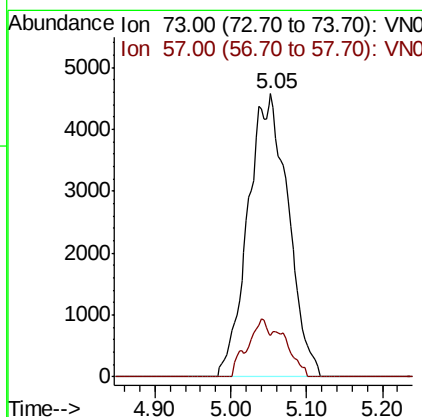
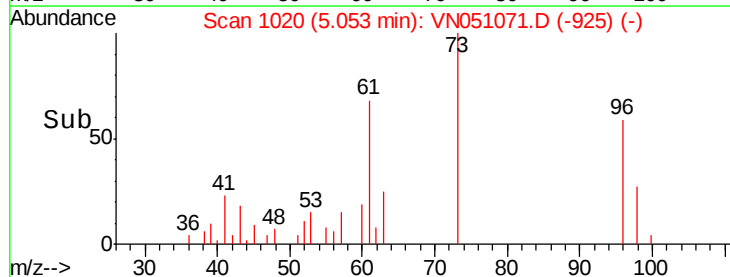
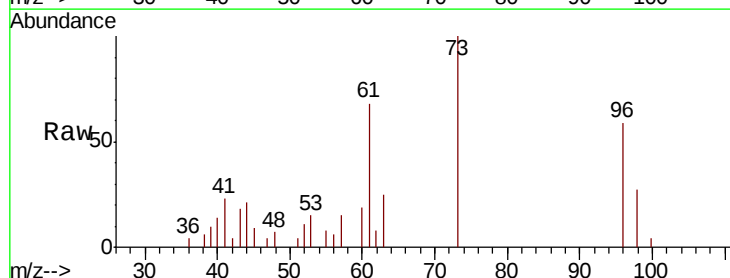
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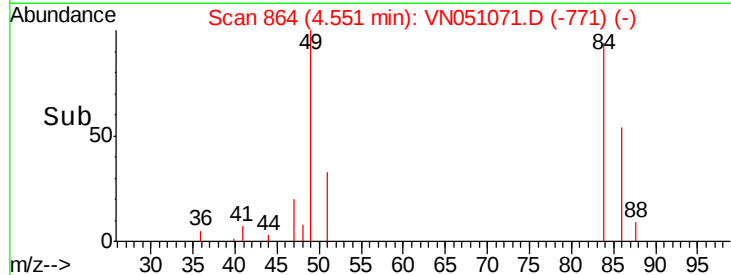
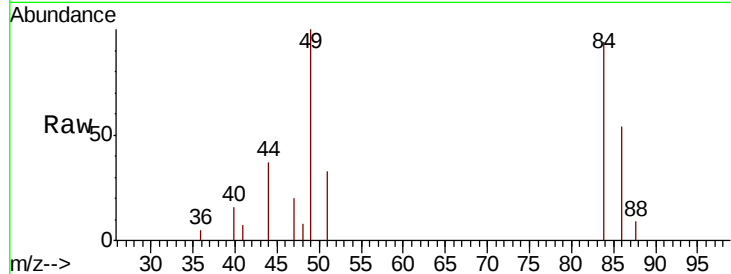
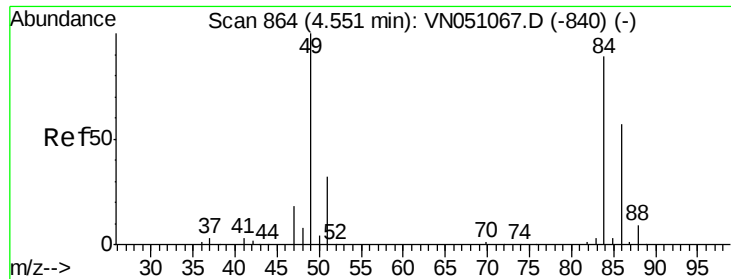
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 1.06 ug/l m
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion: 73 Resp: 16781
Ion Ratio Lower Upper
73 100
57 14.9 17.9 26.9#





#20

Methylene Chloride

Concen: 1.21 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tot Ion:	84	Resp:	9207
Ion	Ratio	Lower	Upper
84	100		
49	106.1	90.2	135.2
51	35.2	28.4	42.6
86	56.8	51.8	77.8

Instrument :

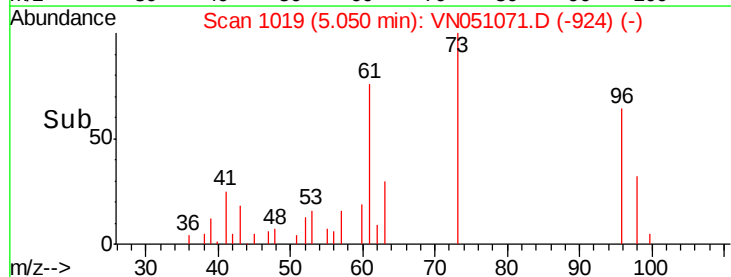
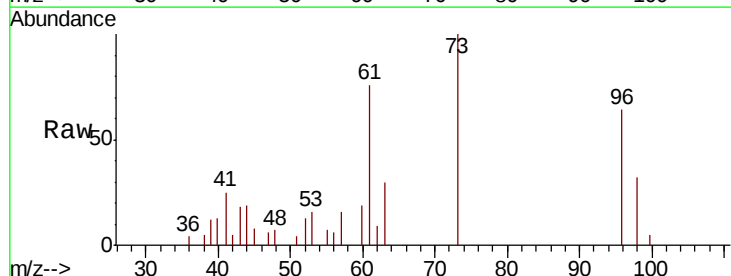
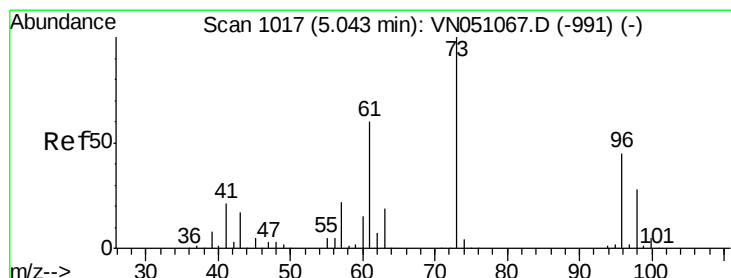
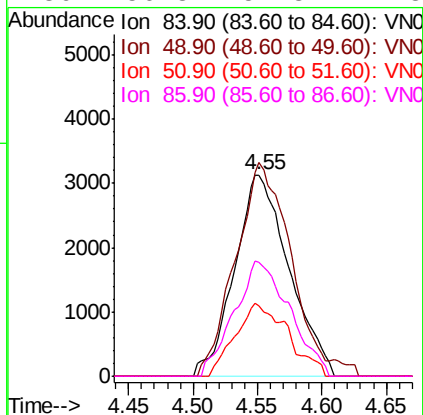
MSVOA_N

ClientSampled :

VSTDIC001

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#21

trans-1,2-Dichloroethene

Concen: 1.20 ug/l

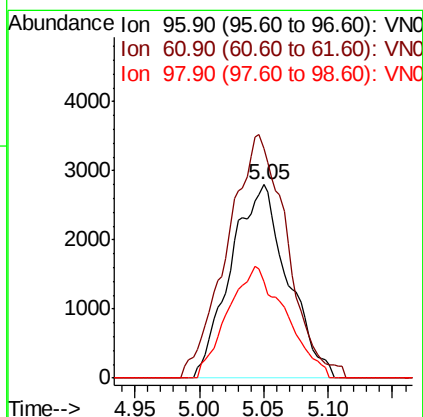
RT: 5.05 min Scan# 1019

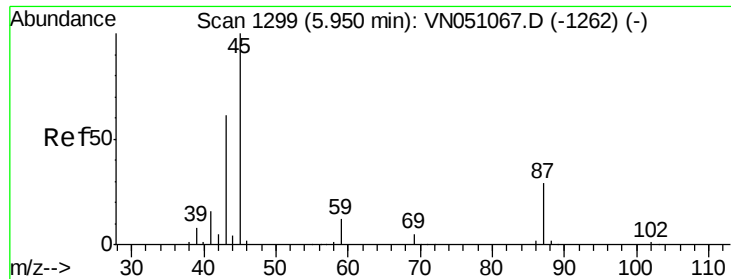
Delta R.T. 0.01 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	96	Resp:	8606
Ion	Ratio	Lower	Upper
96	100		
61	112.2	106.5	159.7
98	49.8	50.4	75.6#





#22

Diisopropyl ether

Concen: 0.91 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

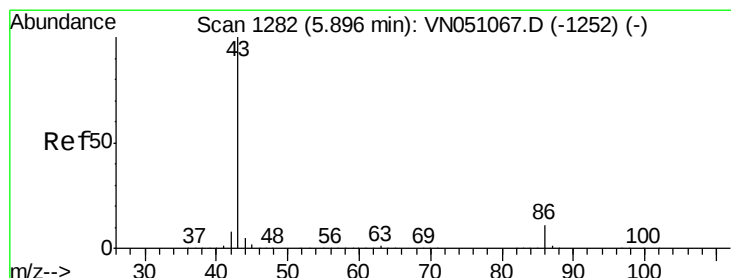
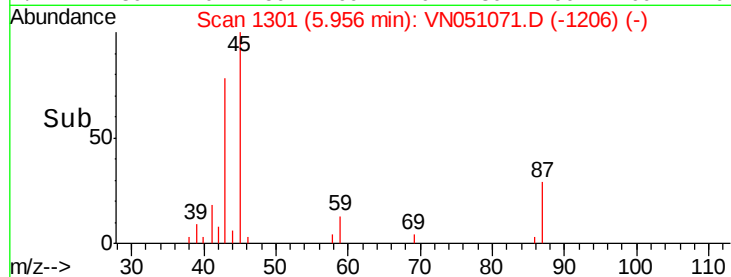
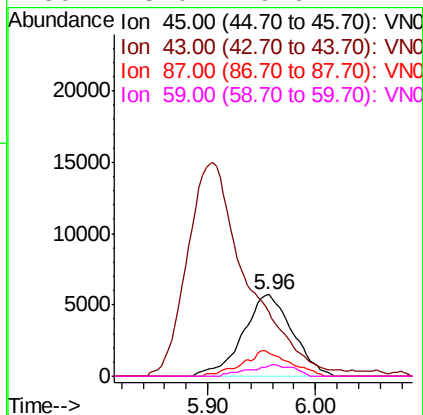
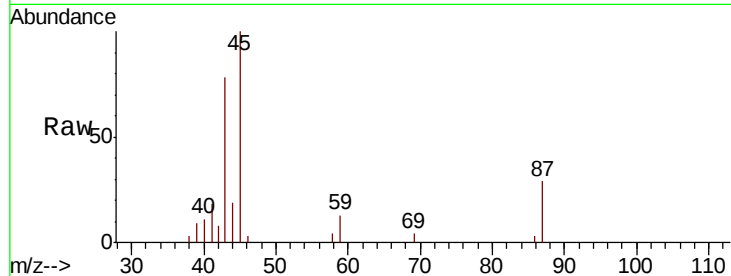
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	18153
Ion Ratio	Lower	Upper	
45	100		
43	69.8	48.8	73.2
87	28.9	23.8	35.8
59	13.0	9.6	14.4

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#23

Vinyl Acetate

Concen: 4.32 ug/l

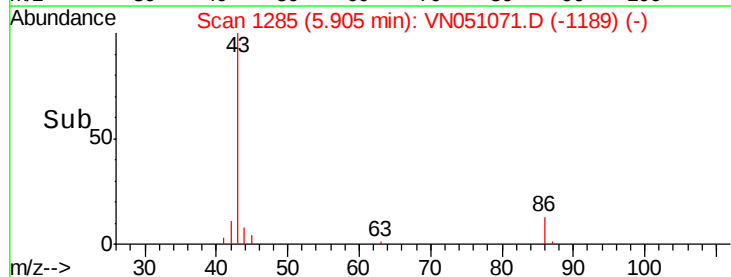
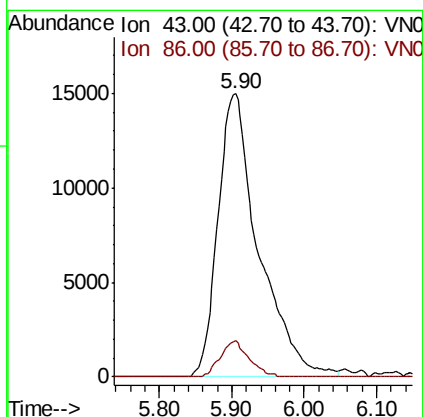
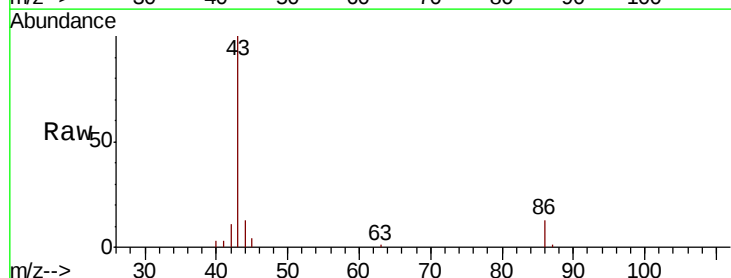
RT: 5.90 min Scan# 1285

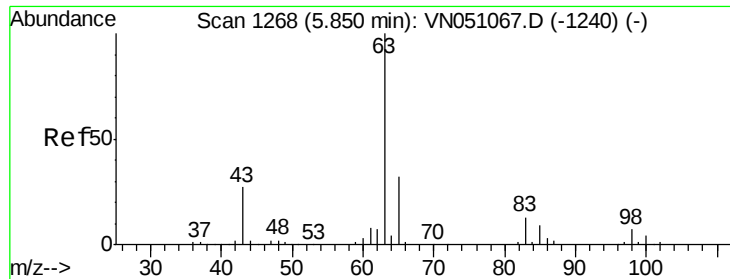
Delta R.T. 0.01 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	43	Resp:	58470
Ion Ratio	Lower	Upper	
43	100		
86	12.8	9.2	13.8





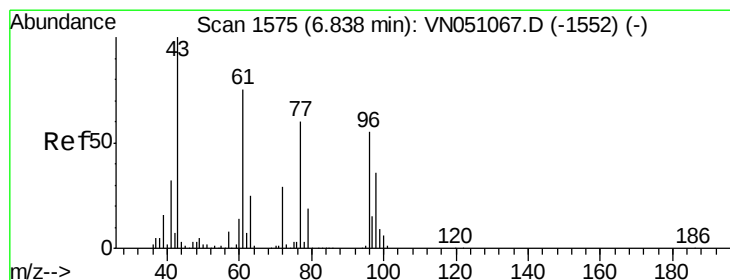
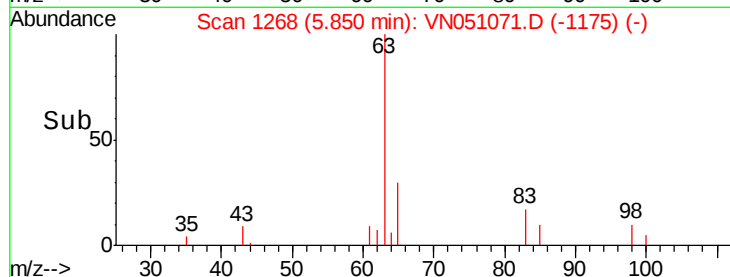
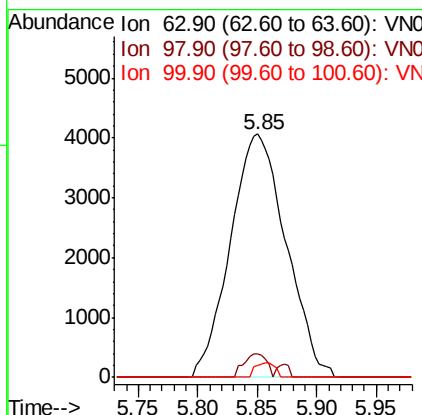
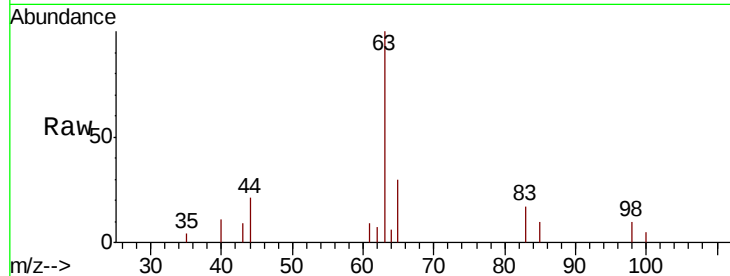
#24
 1,1-Dichloroethane
 Concen: 1.04 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	13151		
98	9.7	3.4	10.1	
100	5.1	2.1	6.3	

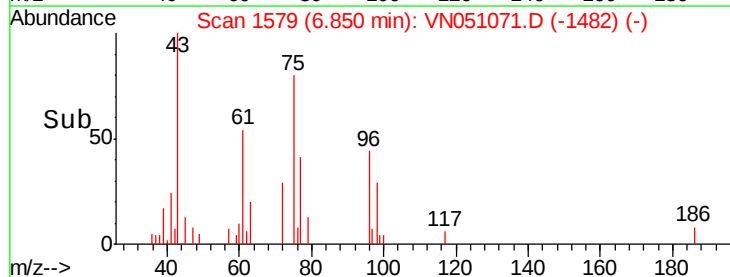
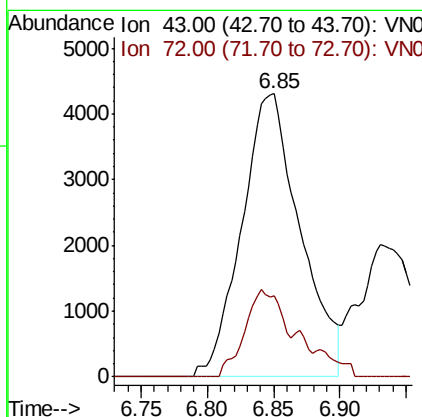
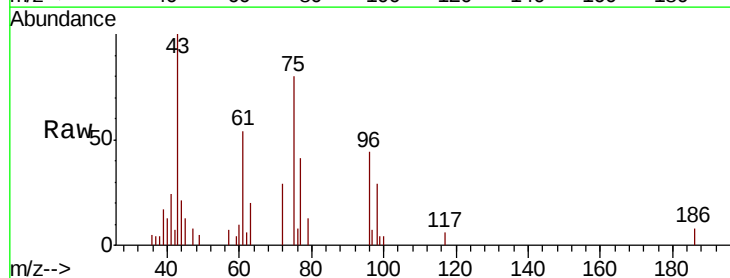
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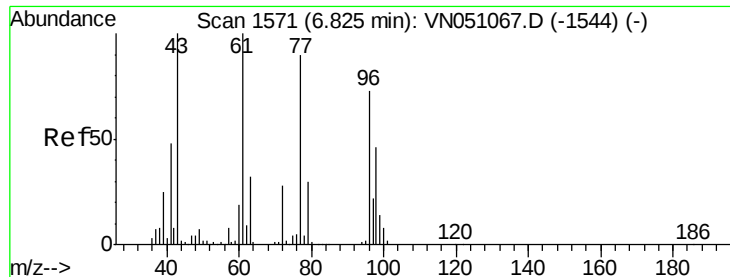
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#25
 2-Butanone
 Concen: 4.87 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	13210		
72	28.7	23.0	34.6	





#26

2,2-Dichloropropane

Concen: 1.11 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 11518

Ion Ratio Lower Upper

77 100

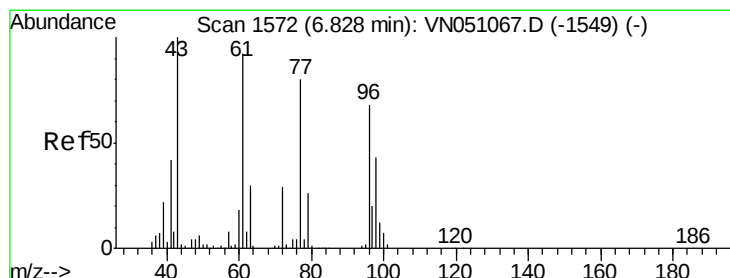
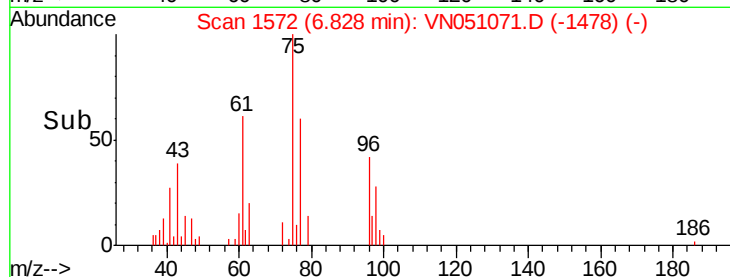
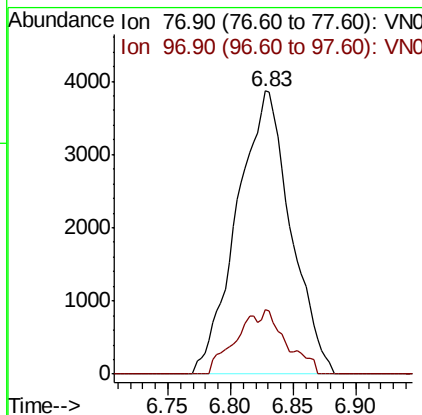
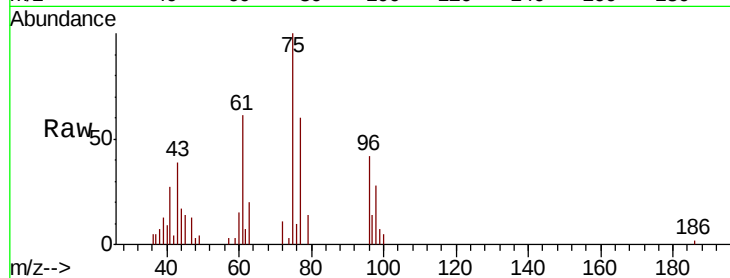
97 9.9 12.1 36.3#

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#27

cis-1,2-Dichloroethene

Concen: 1.06 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

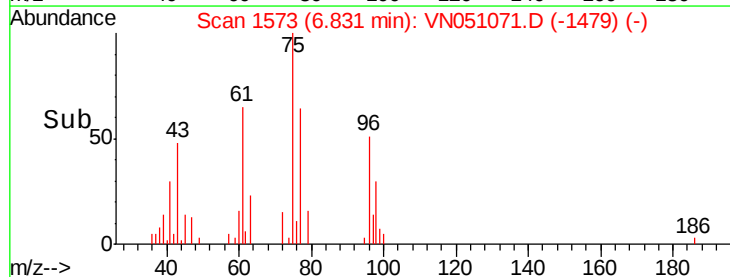
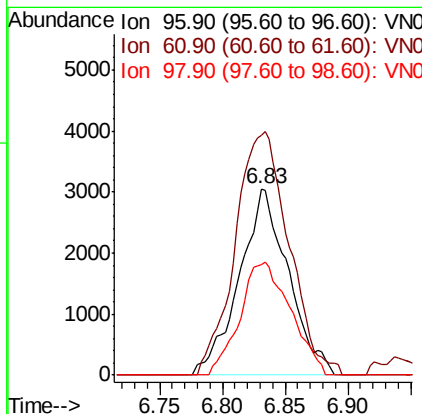
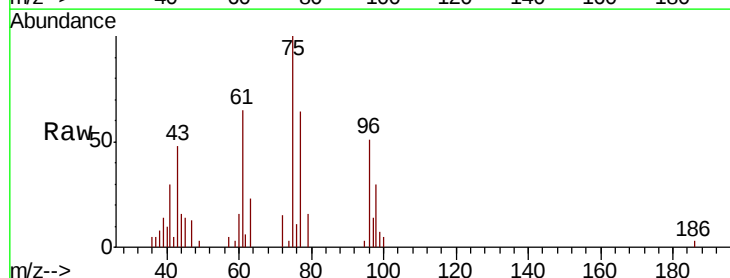
Tgt Ion: 96 Resp: 8296

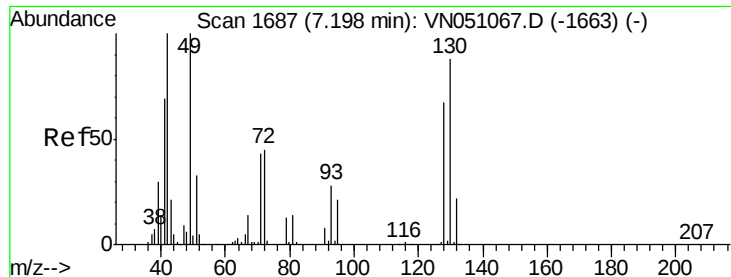
Ion Ratio Lower Upper

96 100

61 142.8 0.0 278.2

98 62.3 0.0 129.4





#28

Bromochloromethane

Concen: 1.09 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

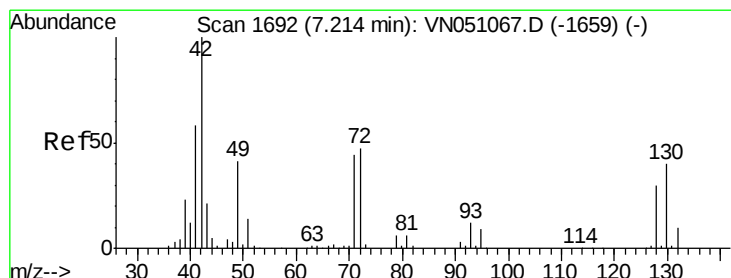
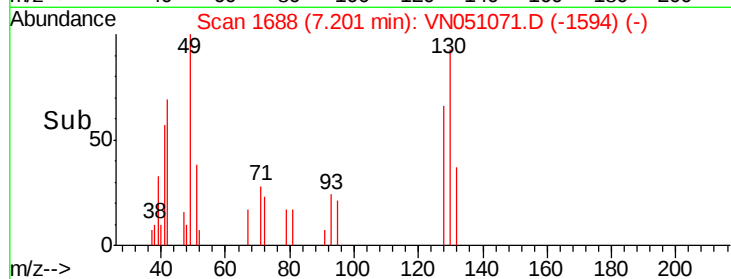
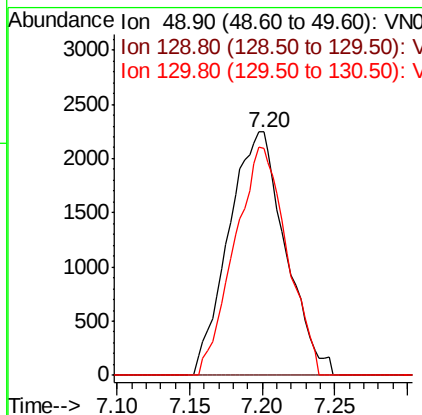
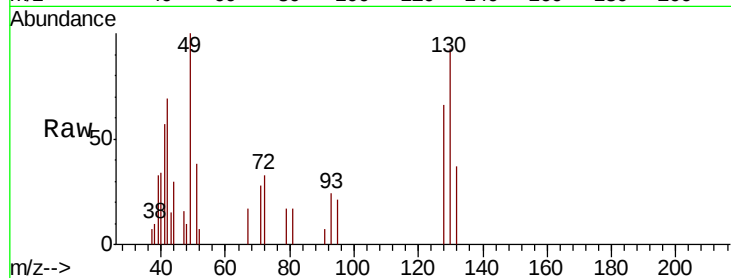
VSTDIC001

Tot Ion: 49 Resp: 6126

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	86.5	70.7	106.1

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9/11/2018 9:40:37 AM



#29

Tetrahydrofuran

Concen: 4.68 ug/l

RT: 7.22 min Scan# 1693

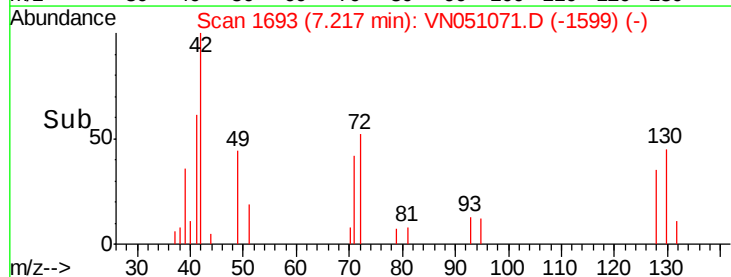
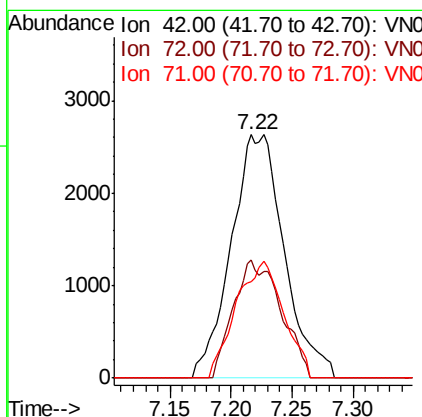
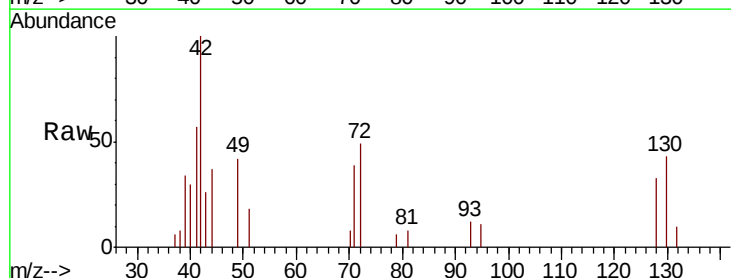
Delta R.T. 0.00 min

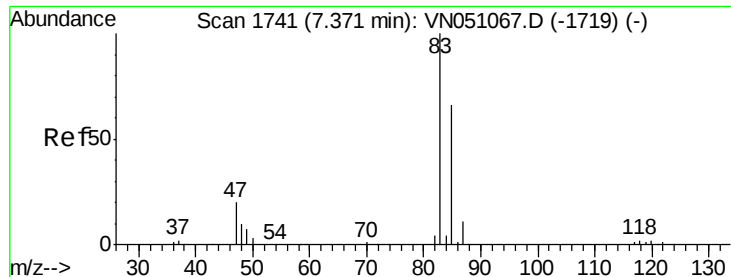
Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion: 42 Resp: 7928

Ion	Ratio	Lower	Upper
42	100		
72	43.6	37.4	56.0
71	43.0	34.7	52.1





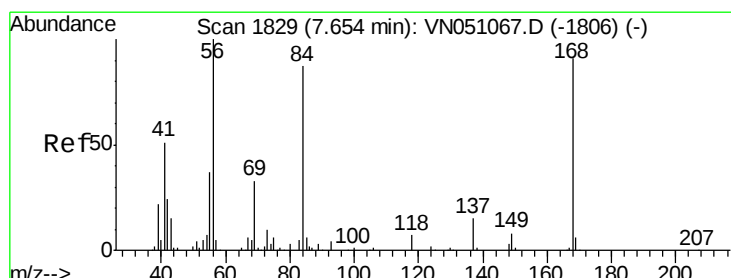
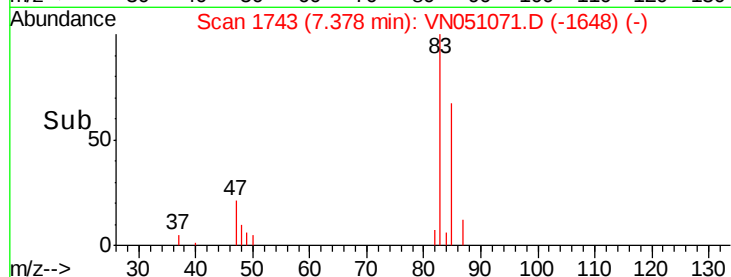
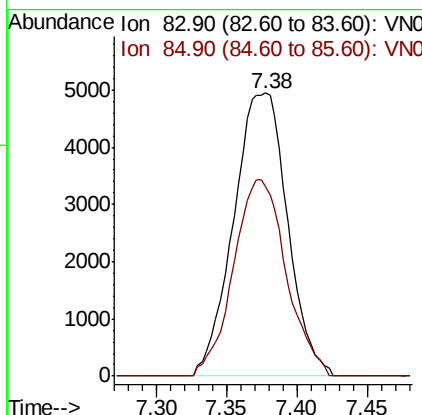
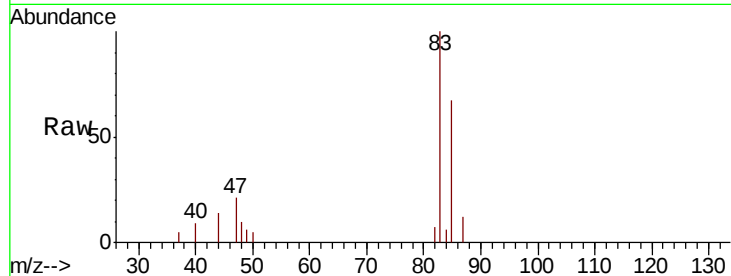
#30
Chloroform
Concen: 1.05 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	13219
Ion Ratio	100	Lower	Upper
83	100		
85	67.0	52.6	79.0

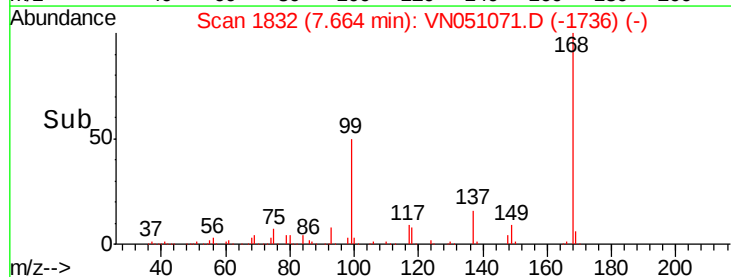
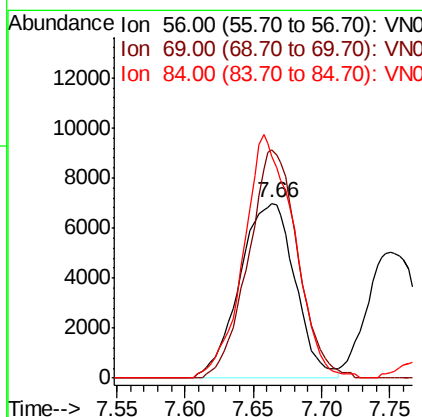
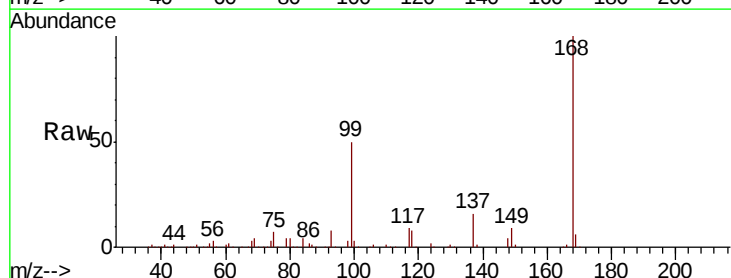
Manual Integrations
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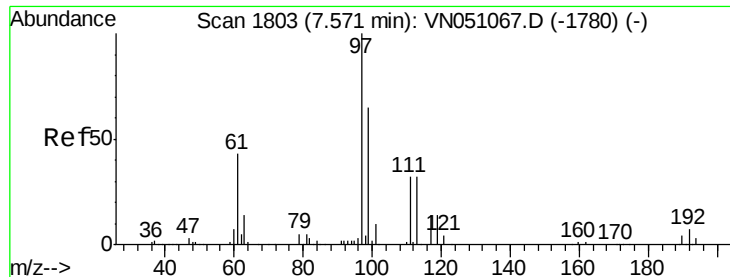
MMDadoda
9/11/2018 9:40:37 AM



#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion	56	Resp	19697
Ion Ratio	100	Lower	Upper
56	100		
69	130.8	26.3	39.5#
84	126.8	69.4	104.0#





#32

1,1,1-Trichloroethane

Concen: 1.03 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 11047

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

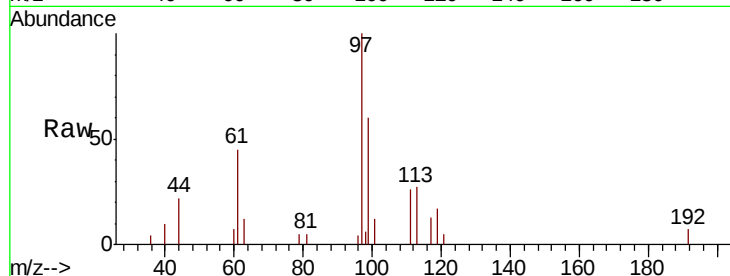
61 42.2 33.8 50.6

Manual Integrations

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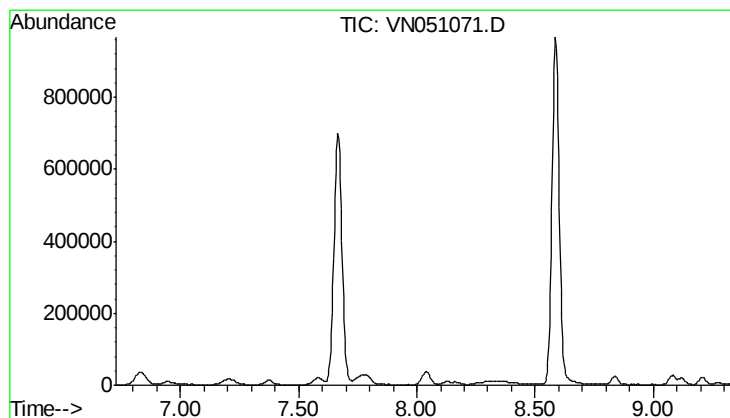
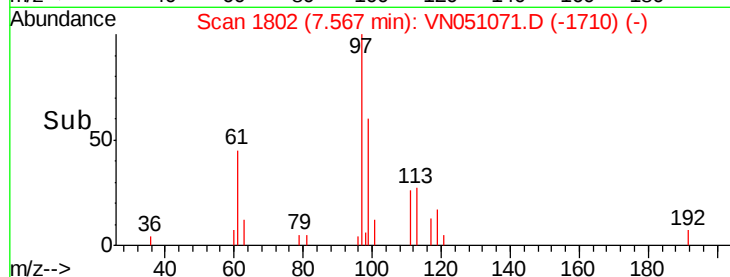
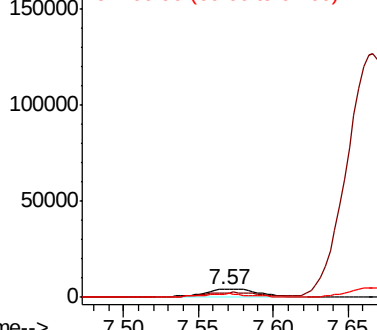


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN051071.D

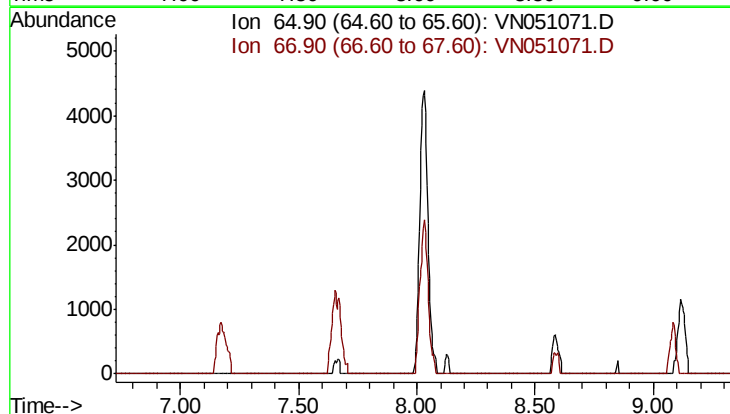
Acq: 10 Sep 2018 11:01

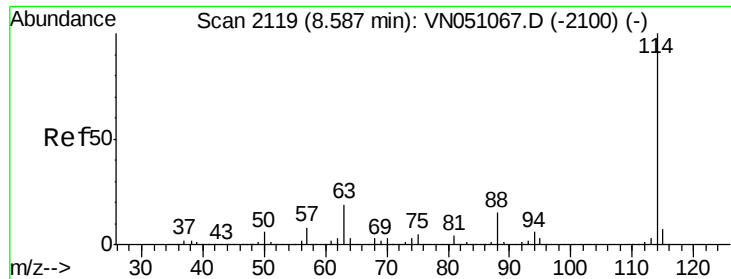
Tgt Ion: 65

Sig Exp Ratio

65 100

67 56.0





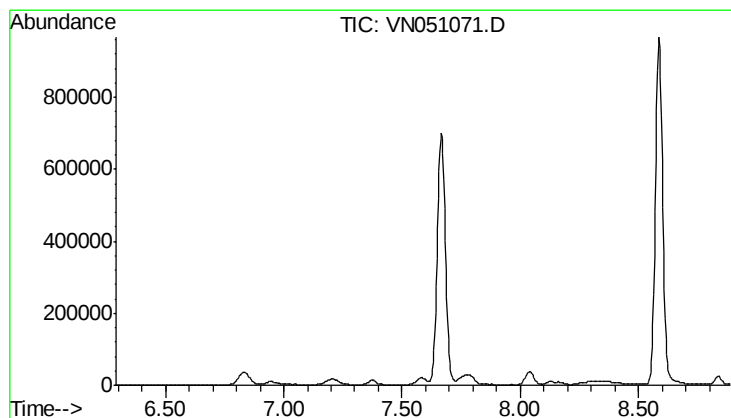
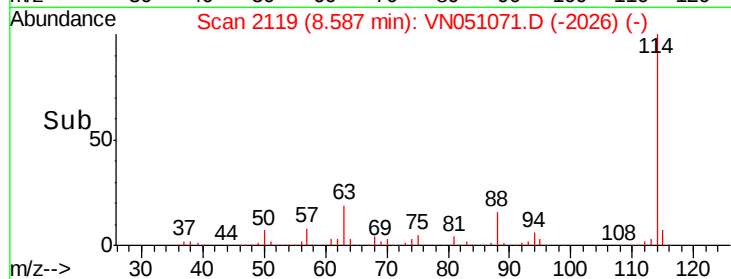
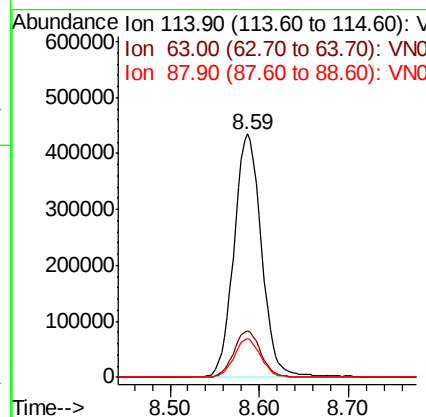
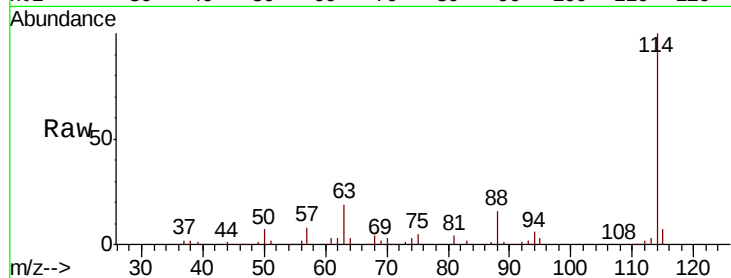
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.1	0.0	37.8
88	16.0	0.0	30.8

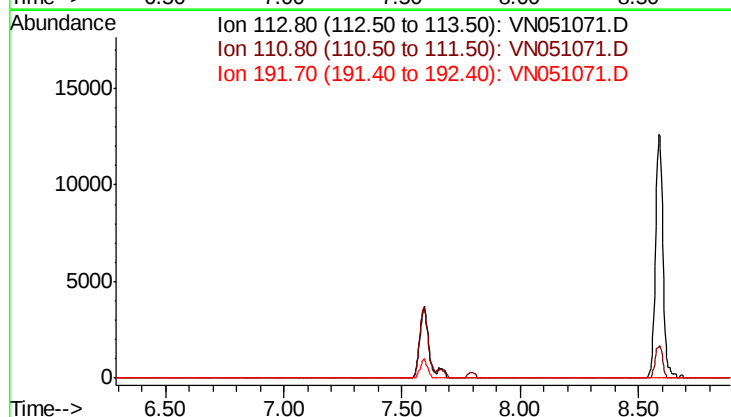
Manual Integrations
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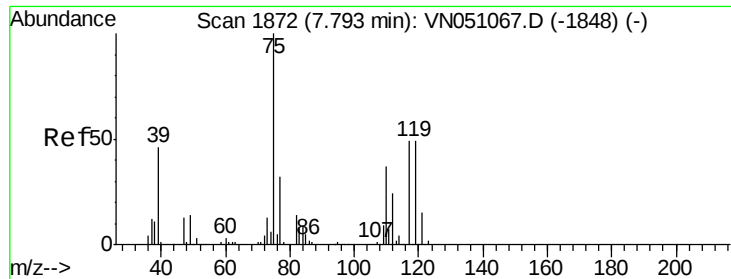
MMDadoda
 9/11/2018 9:40:37 AM



#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Exp Ratio
113	100
111	103.8
192	23.4





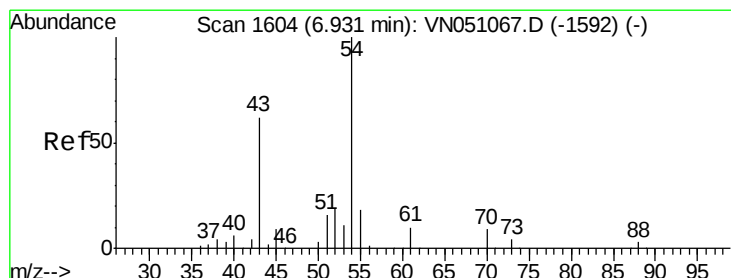
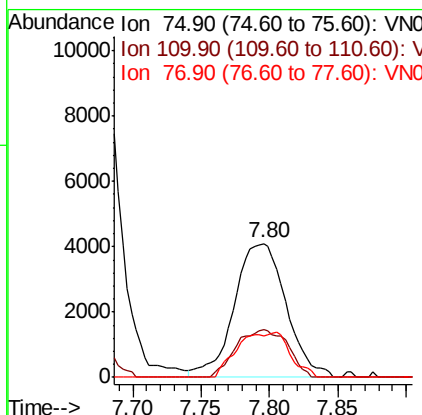
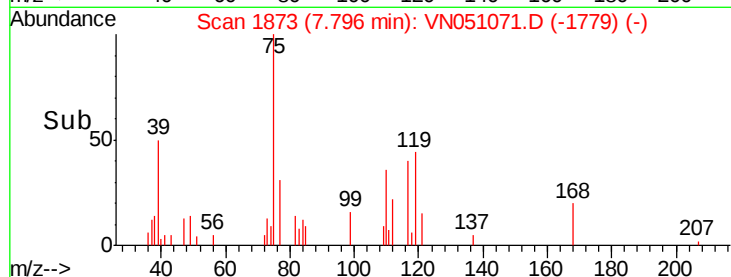
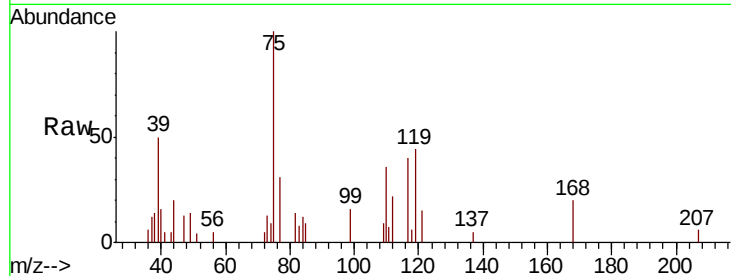
#36
 1,1-Dichloropropene
 Concen: 1.06 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.6	55.8
77	18.4	25.2	37.8#

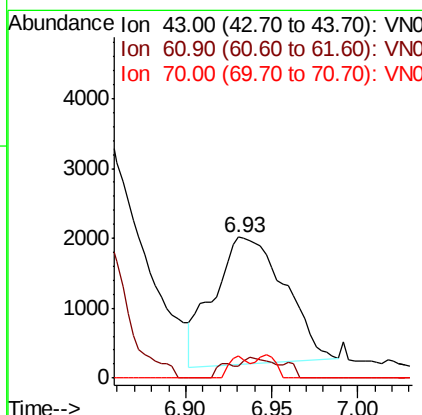
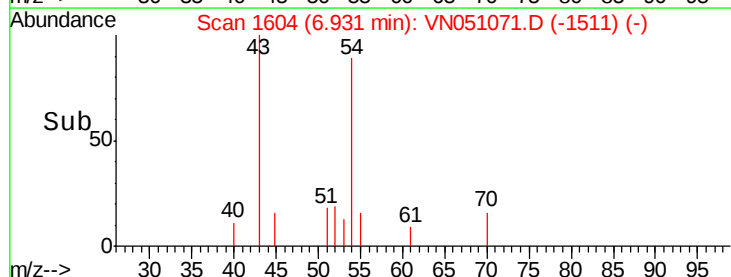
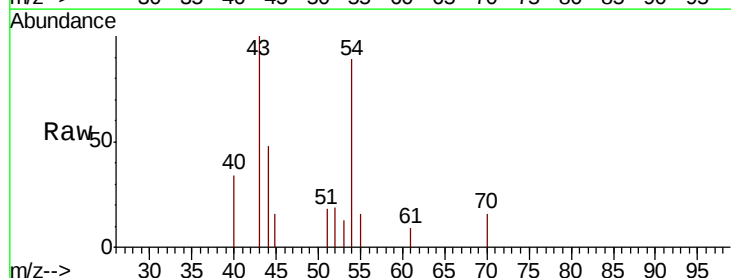
Manual Integrations
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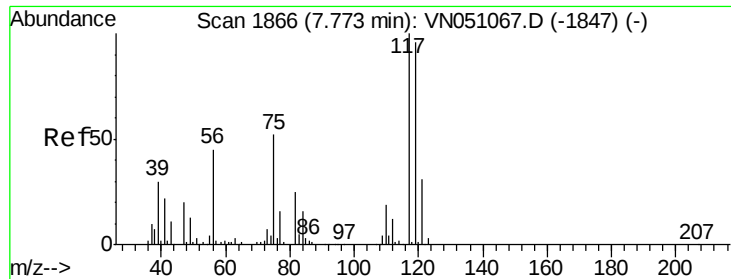
MMDadoda
 9/11/2018 9:40:37 AM



#37
 Ethyl Acetate
 Concen: 0.88 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	4.6	9.3	13.9#





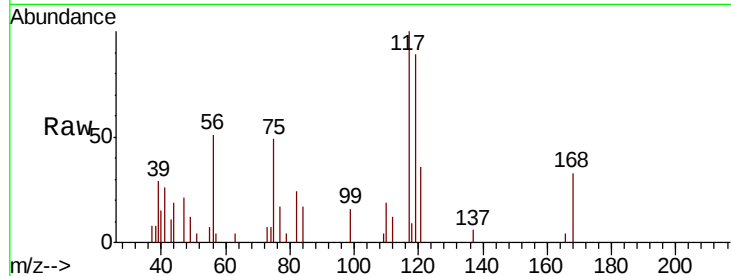
#38
Carbon Tetrachloride
Concen: 1.03 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.1	76.8	115.2
121	35.5	24.6	36.8

Manual Integrations
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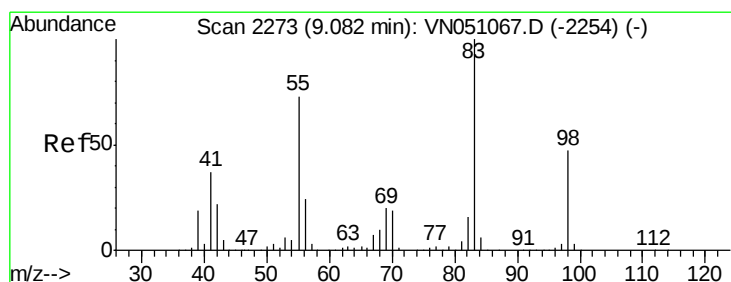
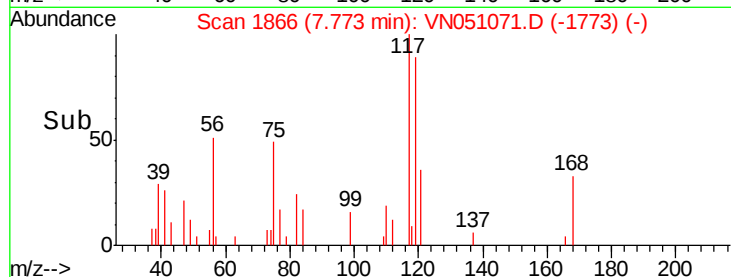
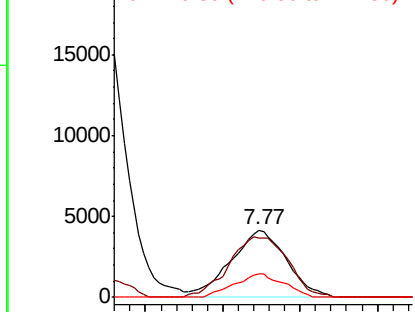


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.96 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

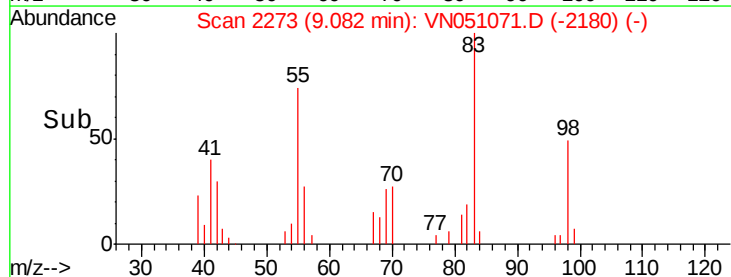
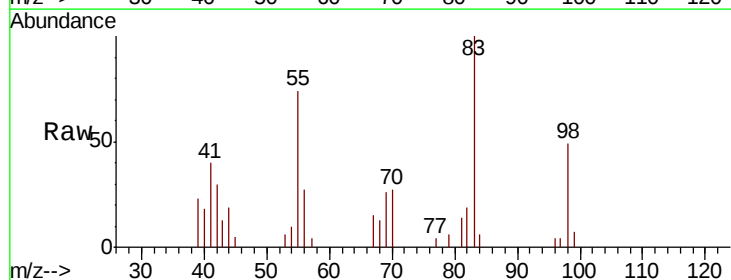
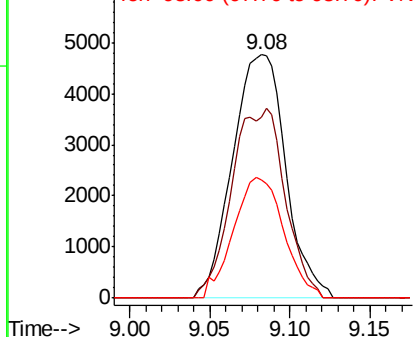
Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.4	58.4	87.6
98	48.7	37.3	55.9

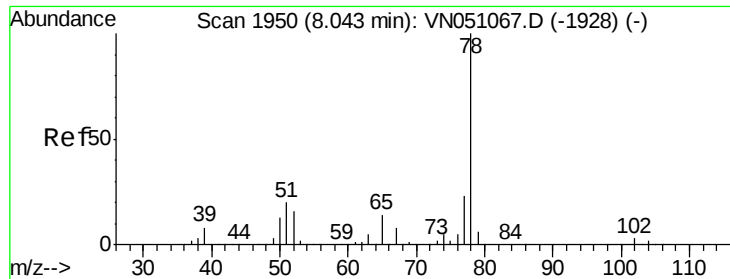
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.00 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 30697

Ion Ratio Lower Upper

78 100

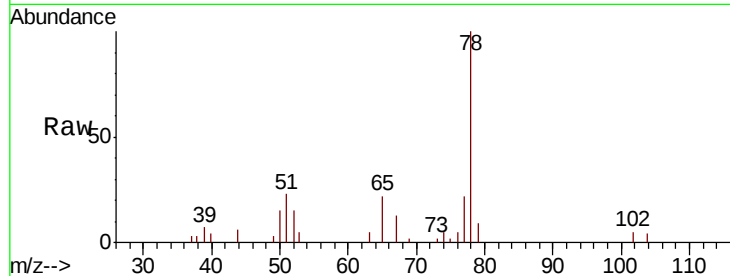
77 22.5 18.6 27.8

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Abundance Ion 78.00 (77.70 to 78.70): VN051067.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-1928) (-)

8.04

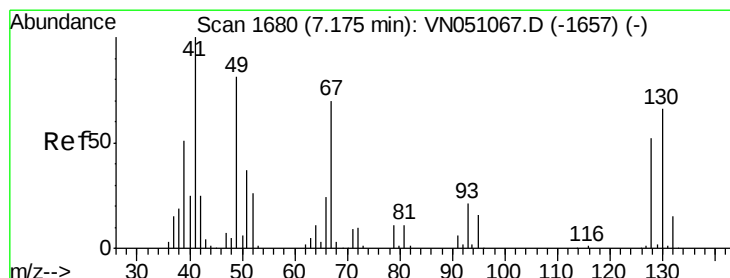
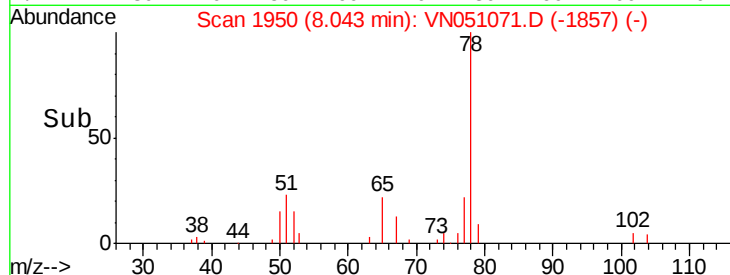
15000

10000

5000

0

Time-->



#41

Methacrylonitrile

Concen: 0.97 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion: 41 Resp: 2975

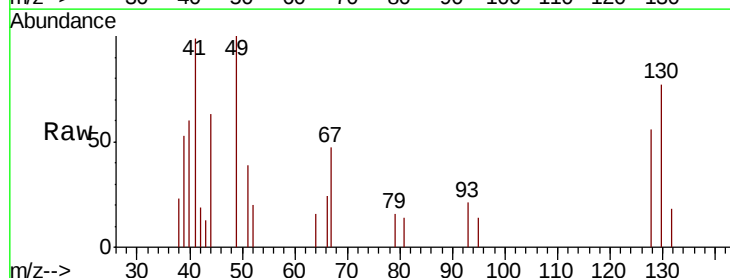
Ion Ratio Lower Upper

41 100

39 66.1 51.3 76.9

67 72.7 78.5 117.7#

52 12.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-1657) (-)

Ion 39.00 (38.70 to 39.70): VN051067.D (-1657) (-)

Ion 67.00 (66.70 to 67.70): VN051067.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN051067.D (-1657) (-)

7.18

2500

2000

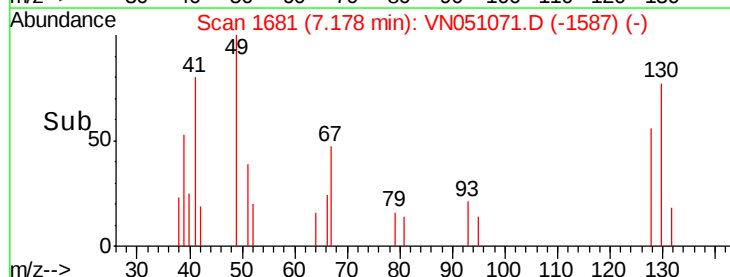
1500

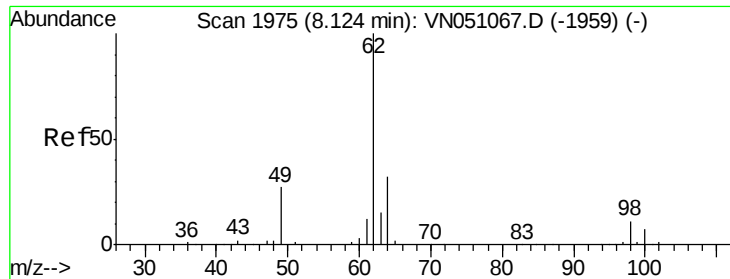
1000

500

0

Time-->





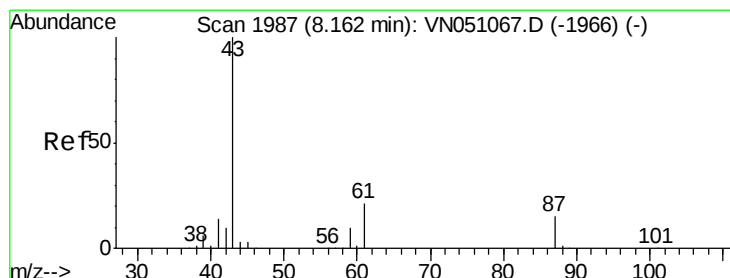
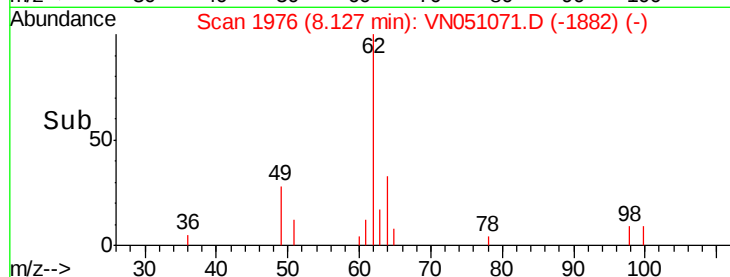
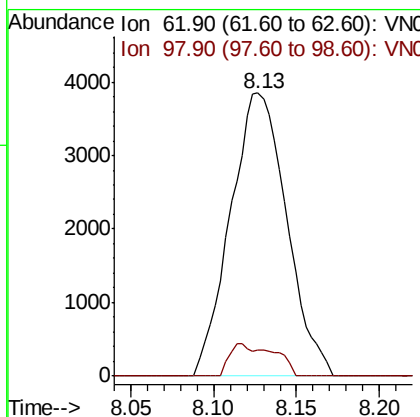
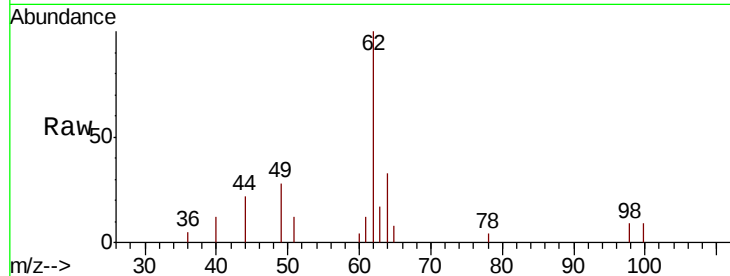
#42
 1,2-Dichloroethane
 Concen: 1.01 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	21.0

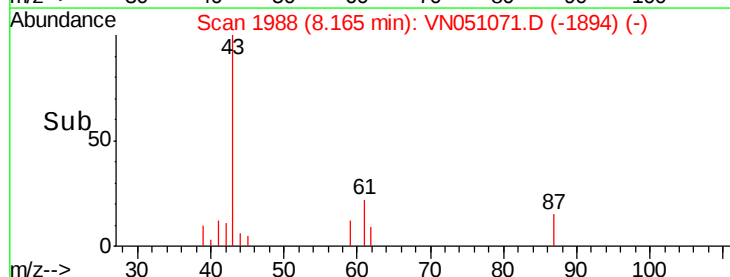
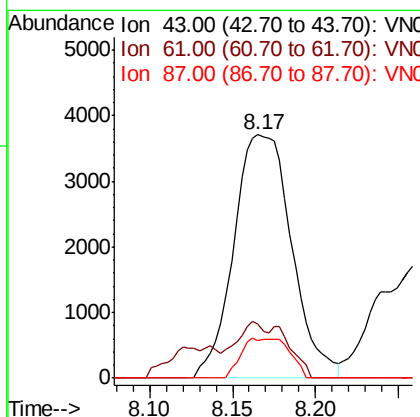
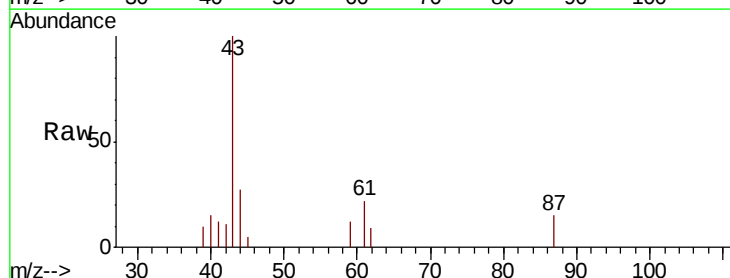
Manual Integrations
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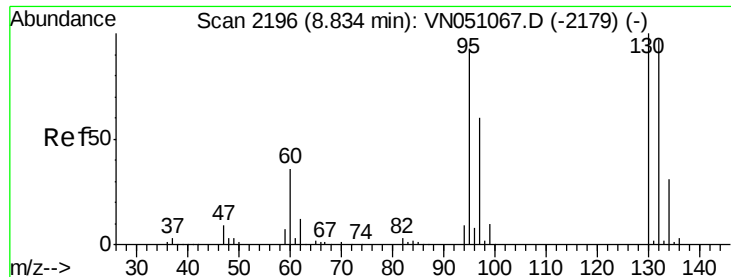
MMDadoda
 9/11/2018 9:40:37 AM



#43
 Isopropyl Acetate
 Concen: 0.86 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.5	25.0	37.6#
87	5.4	11.8	17.8#





#44

Trichloroethene

Concen: 1.11 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 9324

Ion Ratio Lower Upper

130 100

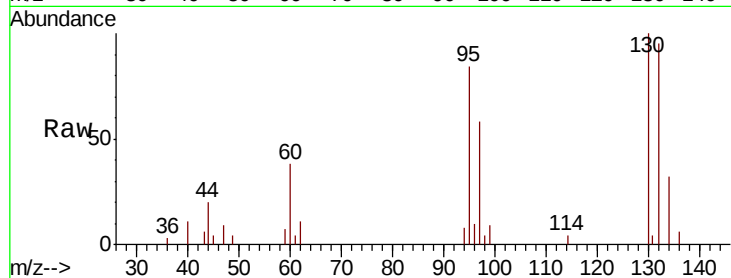
95 84.4 0.0 186.2

Manual Integrations

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9/11/2018 9:40:37 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

4000

3000

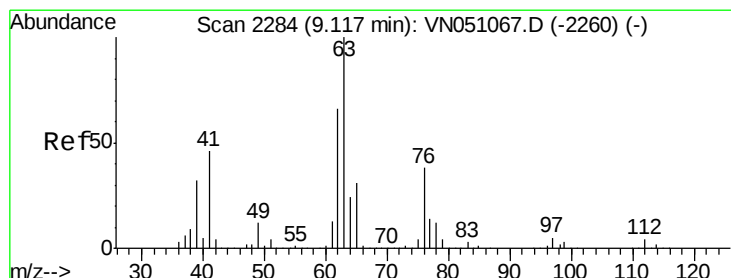
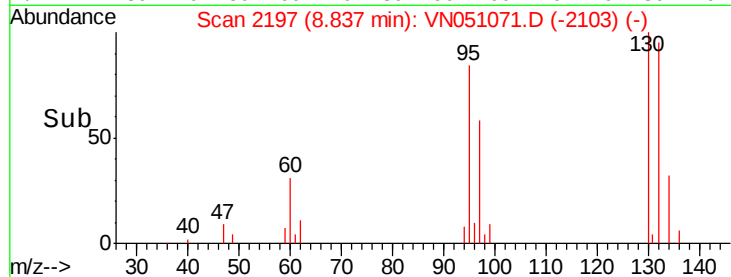
2000

1000

0

8.80 8.85 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 0.97 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051071.D

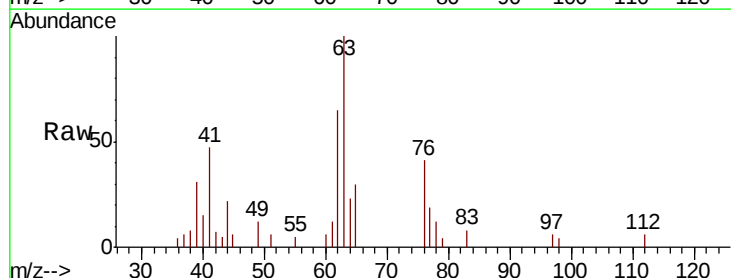
Acq: 10 Sep 2018 11:01

Tgt Ion: 63 Resp: 7738

Ion Ratio Lower Upper

63 100

65 29.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

4000

3000

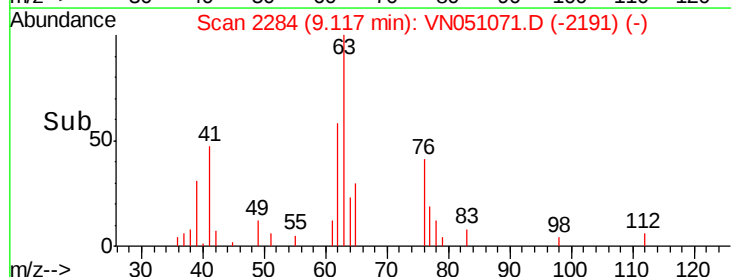
2000

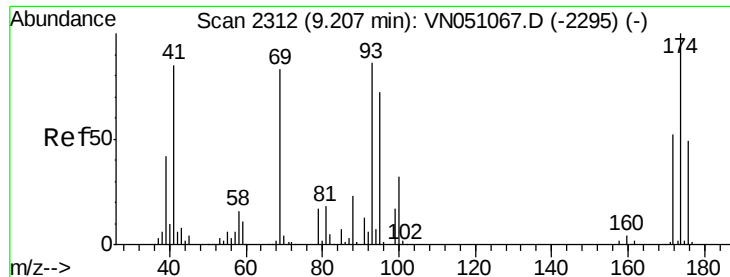
1000

0

9.05 9.10 9.15

Time-->





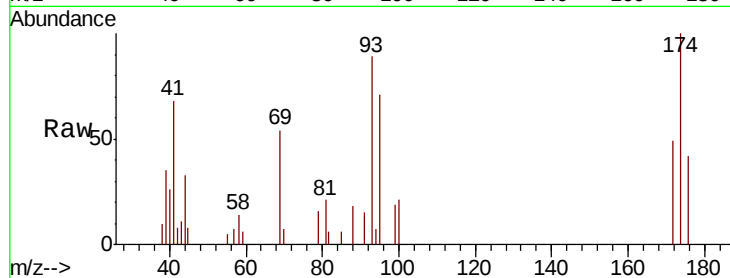
#46
Dibromomethane
Concen: 1.09 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

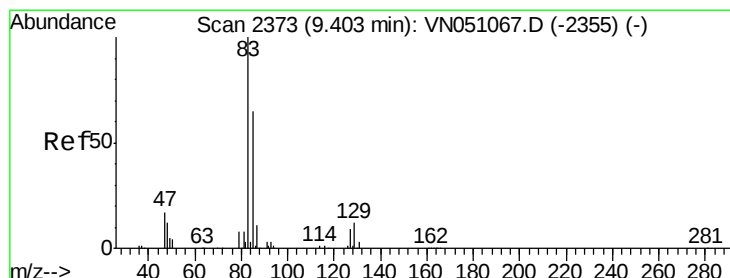
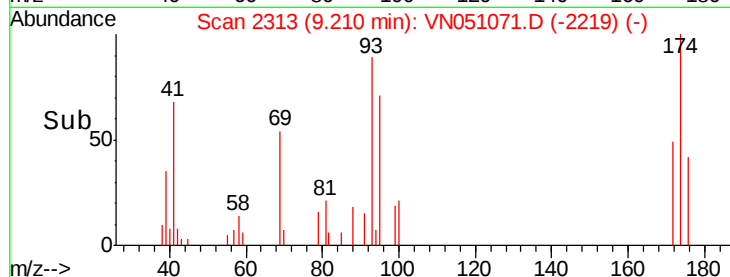
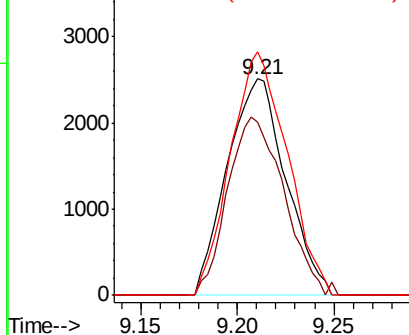
Tot Ion	Ratio	Lower	Upper
93	100		
95	78.9	66.8	100.2
174	108.5	93.3	139.9

Manual Integrations
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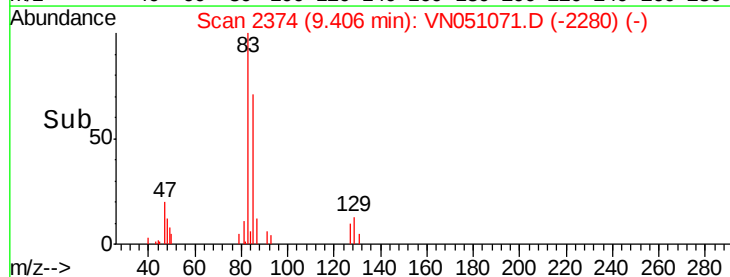
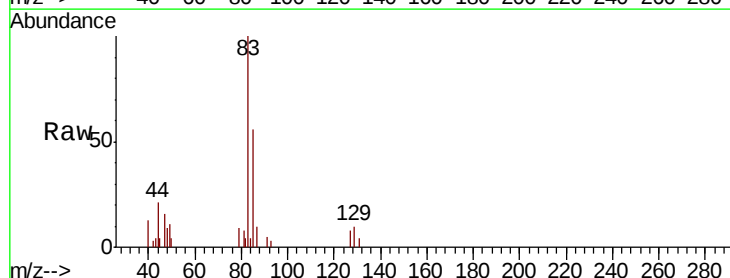
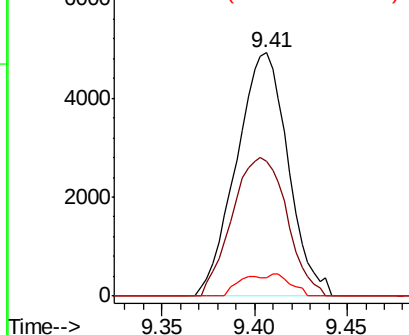
Abundance Ion 92.80 (92.50 to 93.50): VN051071.D (-2295) (-)
Ion 94.80 (94.50 to 95.50): VN051071.D (-2295) (-)
Ion 173.70 (173.40 to 174.40): VN051071.D (-2295) (-)

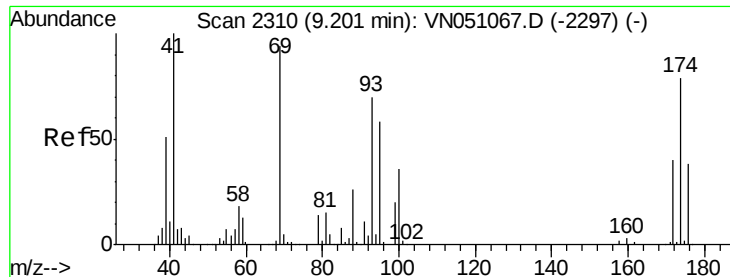


#47
Bromodichloromethane
Concen: 0.97 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.6	52.3	78.5
127	7.6	7.5	11.3

Abundance Ion 82.90 (82.60 to 83.60): VN051071.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051071.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051071.D (-2280) (-)





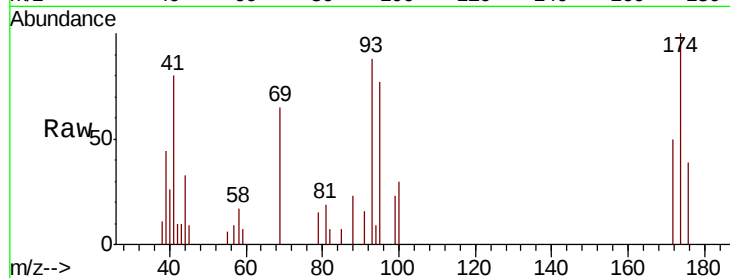
#48
Methvl methacrylate
Concen: 0.89 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	83.3	77.7	116.5
39	55.6	41.6	62.4

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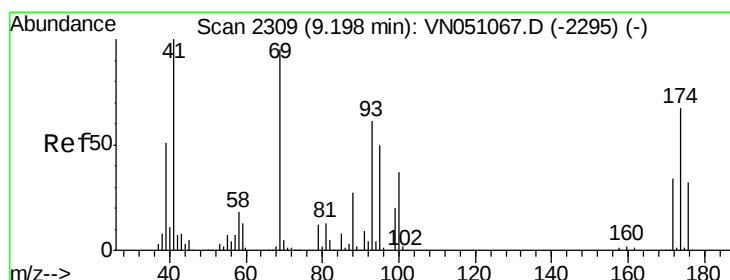
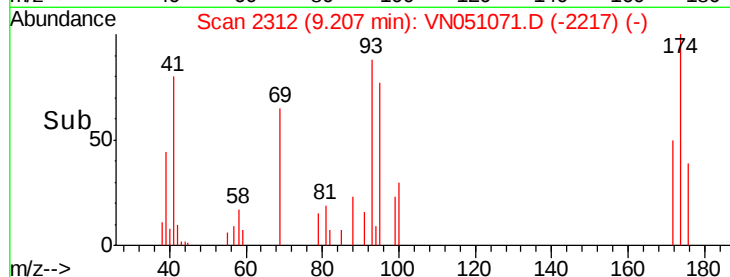
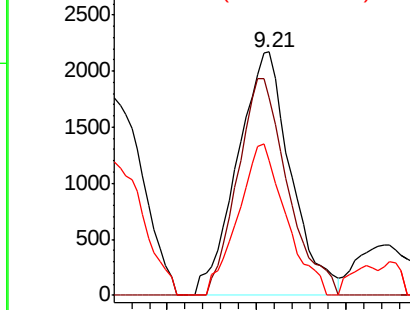


Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC



#49
1,4-Dioxane
Concen: 17.34 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

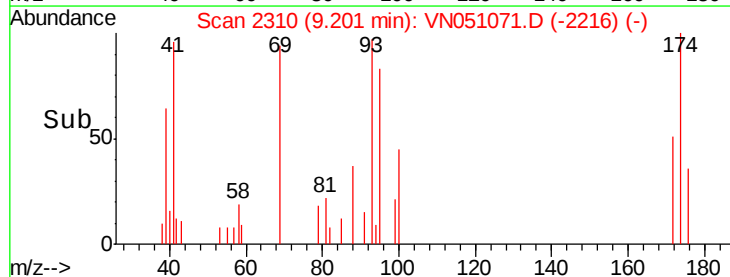
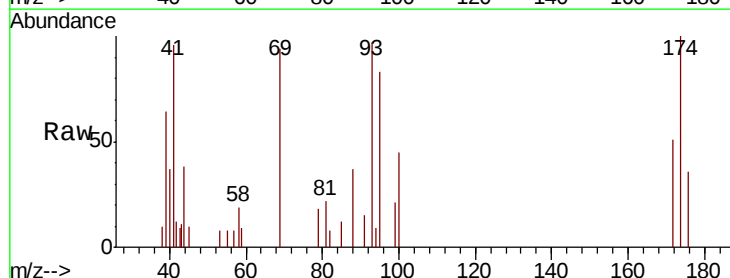
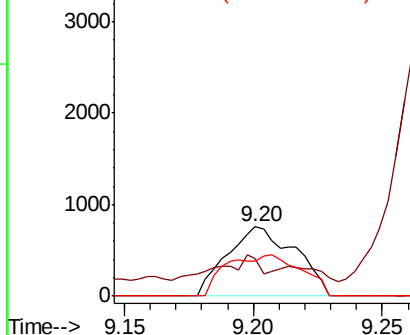
Tgt Ion	Ratio	Lower	Upper
88	100		
43	20.3	23.7	35.5#
58	65.8	54.6	82.0

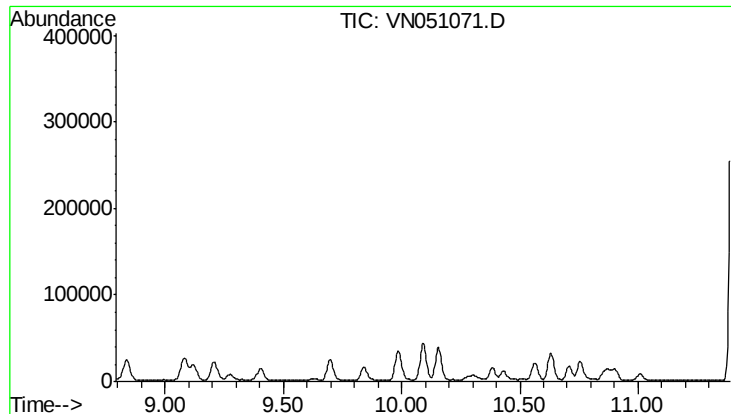
Abundance

Ion 88.00 (87.70 to 88.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC





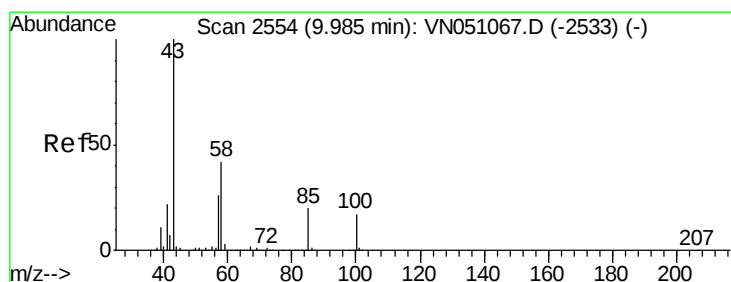
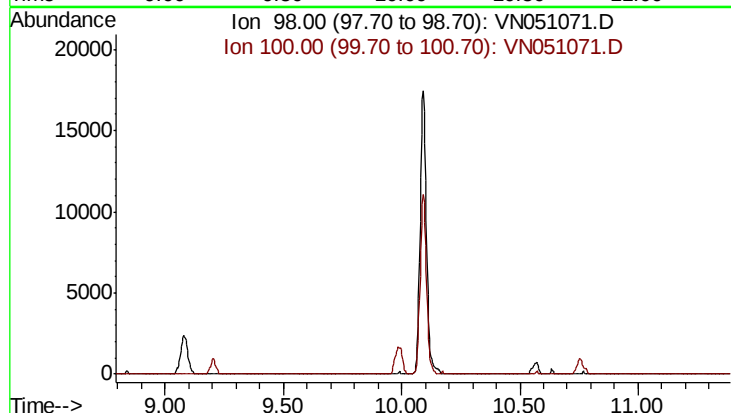
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 65.0

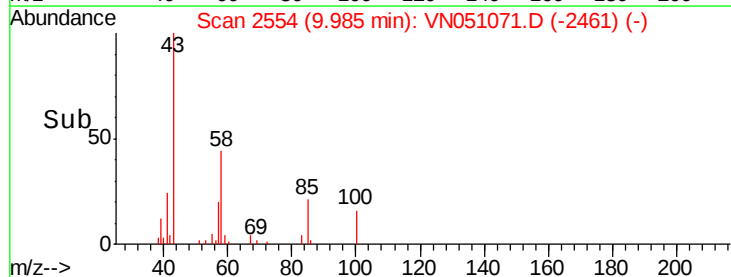
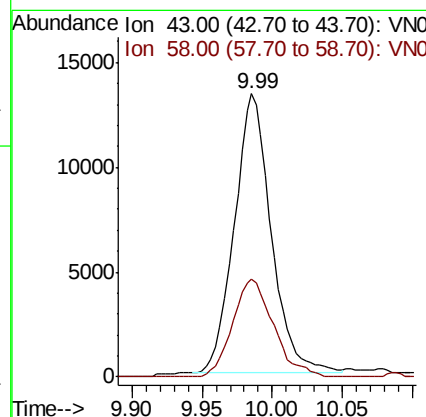
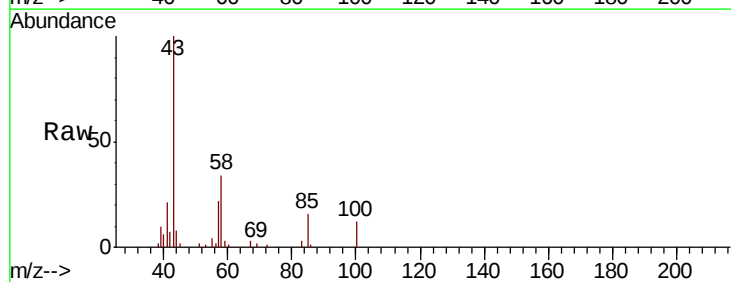
Manual Integrations
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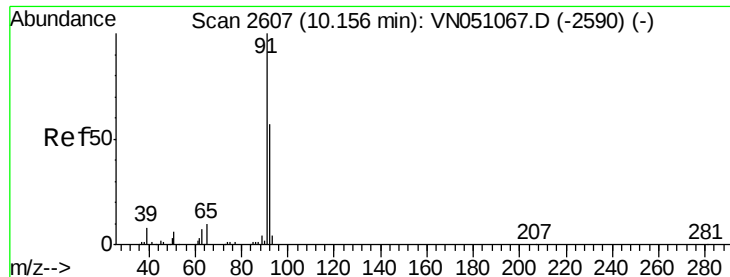
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 4.21 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion: 43 Resp: 24353
Ion Ratio Lower Upper
43 100
58 38.8 33.5 50.3





#52

Toluene

Concen: 0.92 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 17197

Ion Ratio Lower Upper

92 100

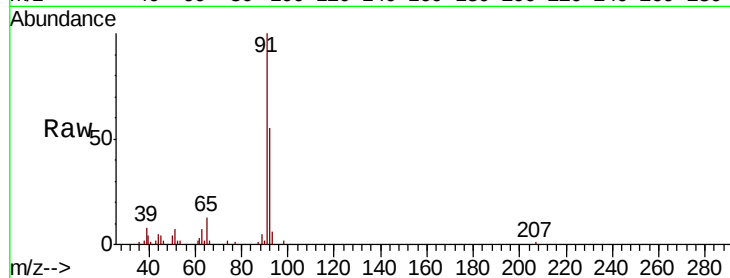
91 176.2 139.5 209.3

Manual Integrations

APPROVED

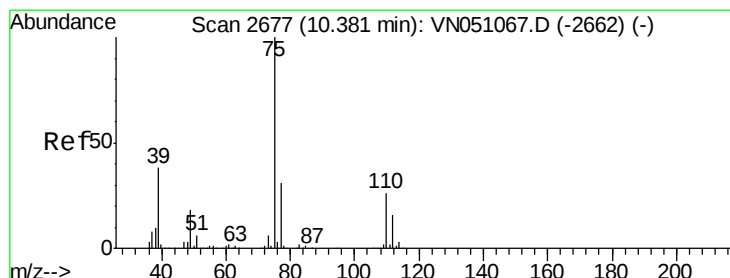
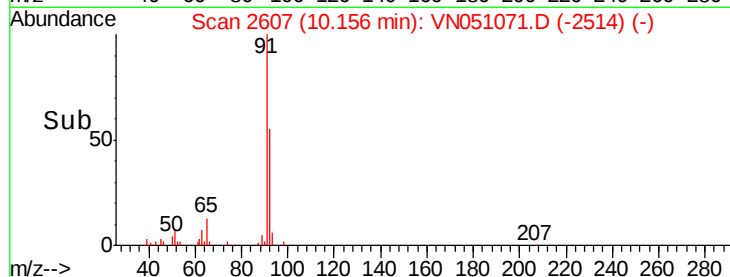
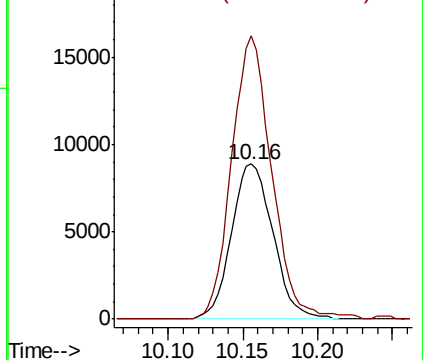
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.87 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051071.D

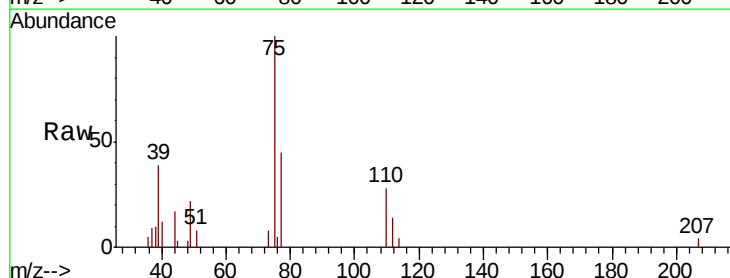
Acq: 10 Sep 2018 11:01

Tgt Ion: 75 Resp: 8576

Ion Ratio Lower Upper

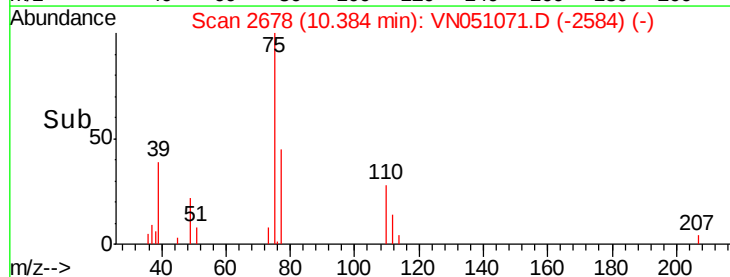
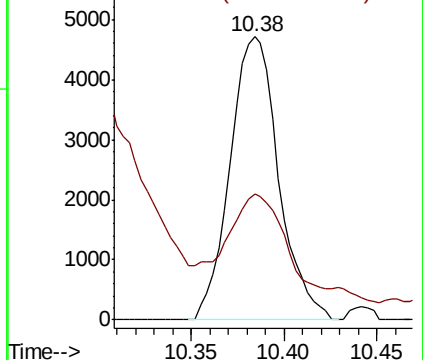
75 100

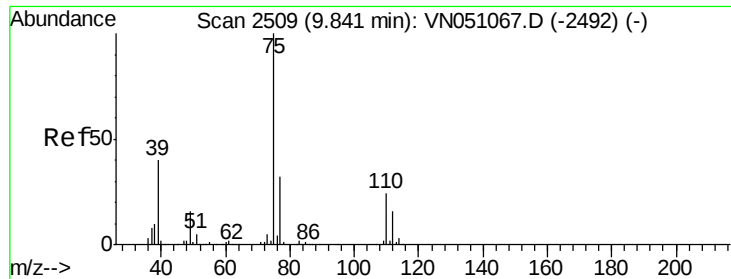
77 33.3 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.90 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

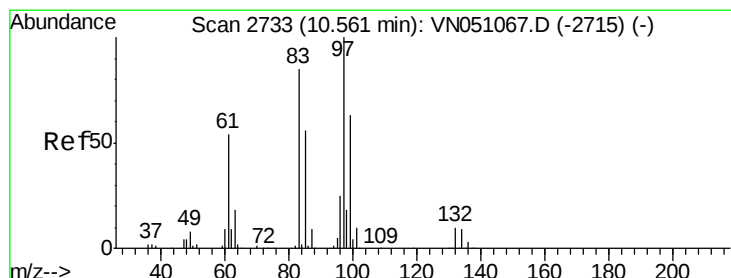
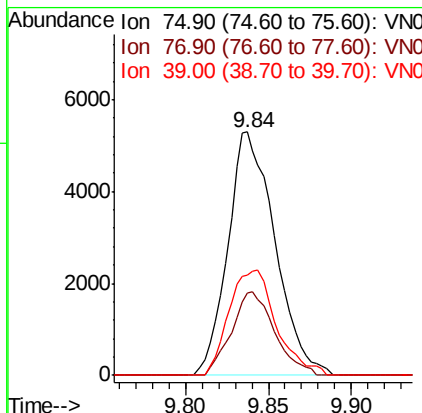
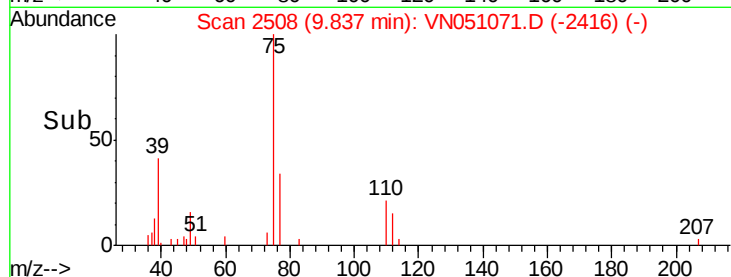
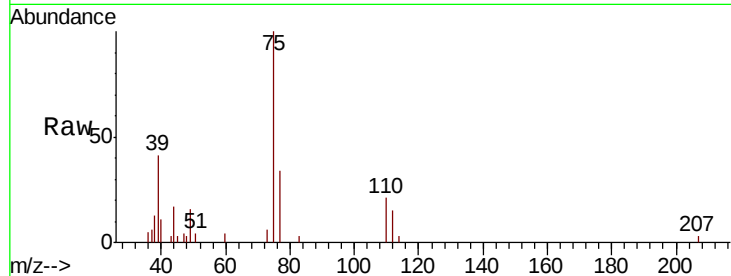
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	10476
Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.7	38.5
39	41.4	31.9	47.9

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#55

1,1,2-Trichloroethane

Concen: 0.97 ug/l

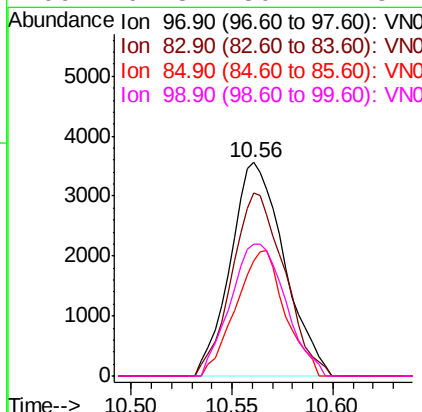
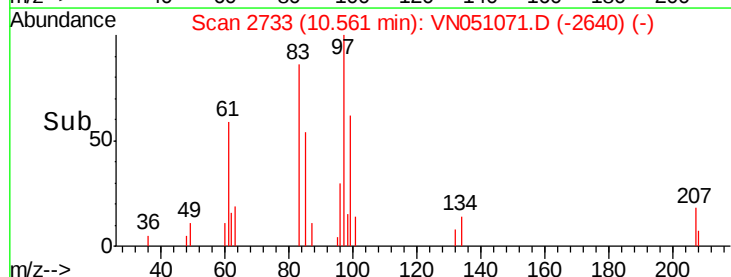
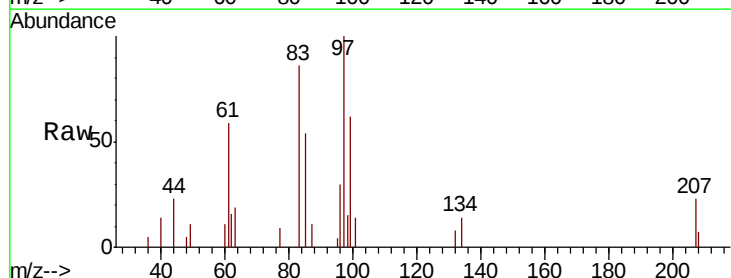
RT: 10.56 min Scan# 2733

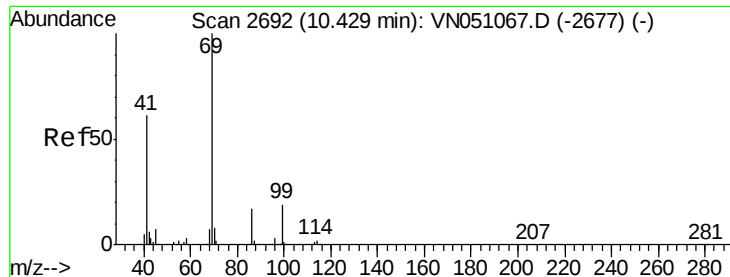
Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	97	Resp:	6626
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.2	102.2
85	54.2	44.8	67.2
99	61.8	50.2	75.4





#56

Ethyl methacrylate

Concen: 0.74 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

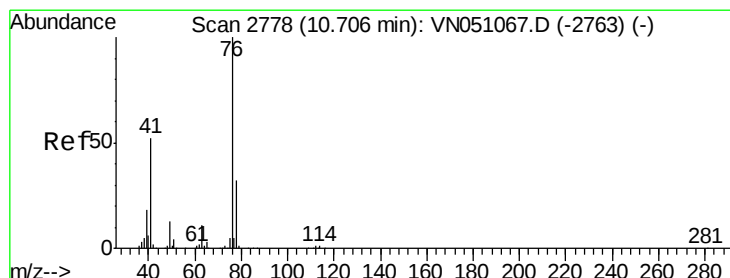
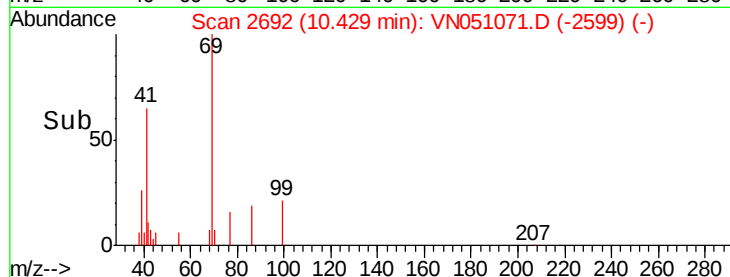
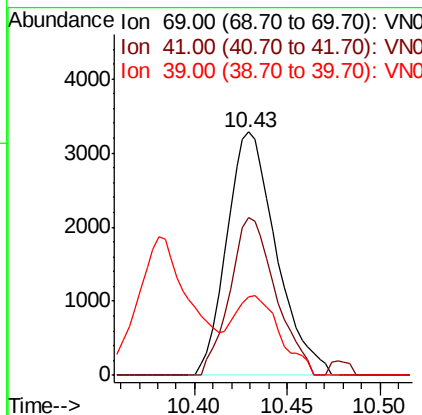
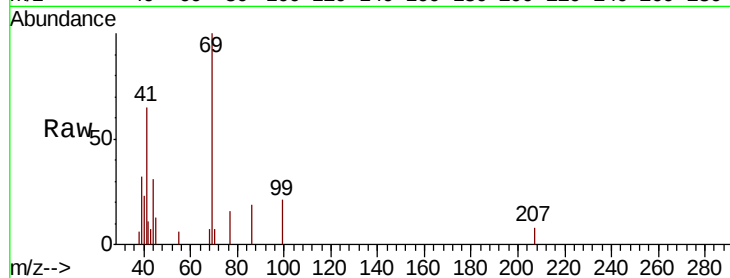
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	6061
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.8	71.8
39	32.1	23.0	34.4

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.95 ug/l

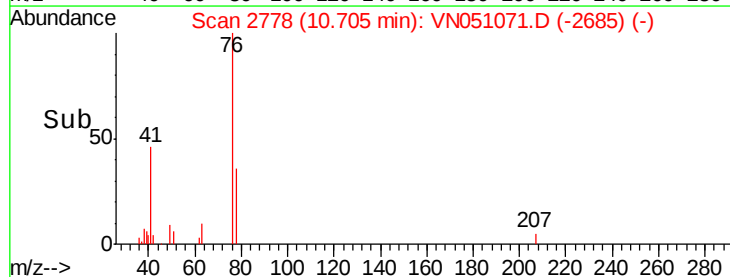
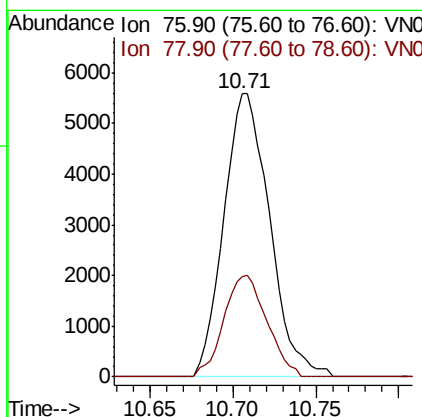
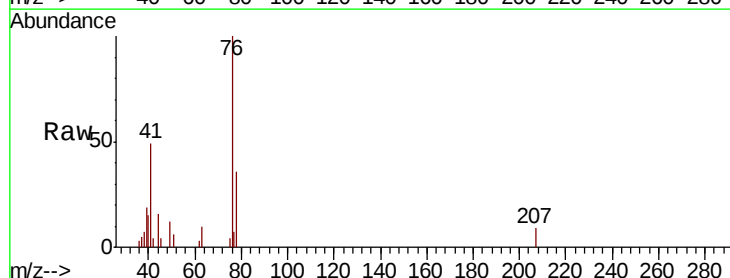
RT: 10.71 min Scan# 2778

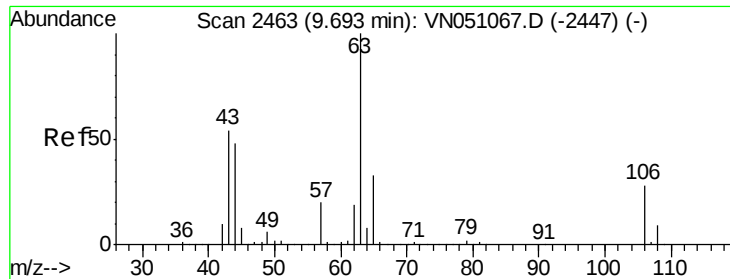
Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	76	Resp:	10728
Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.1	39.1





#58

2-Chloroethyl Vinyl ether

Concen: 3.53 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 11772

Ion Ratio Lower Upper

63 100

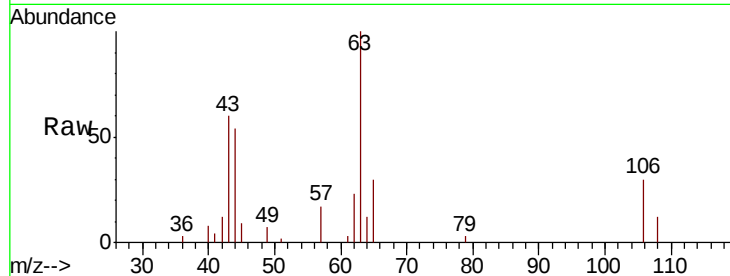
106 29.8 22.5 33.7

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Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

9.70

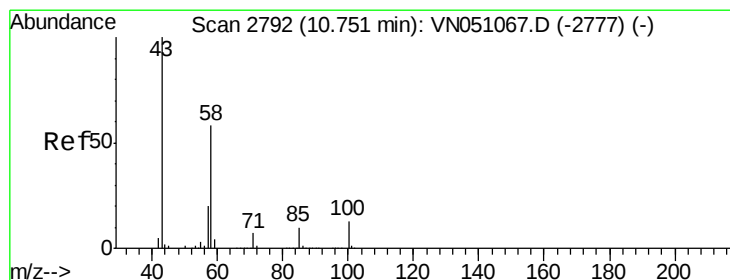
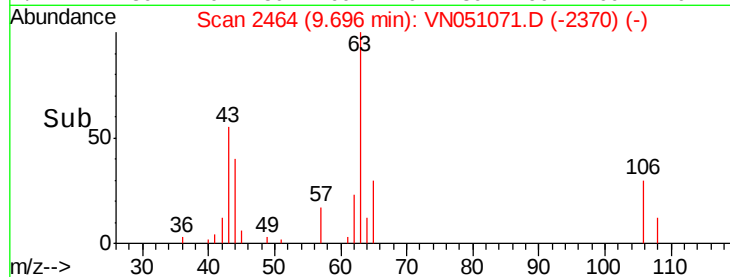
6000

4000

2000

0

Time--> 9.60 9.65 9.70 9.75 9.80



#59

2-Hexanone

Concen: 4.38 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN051071.D

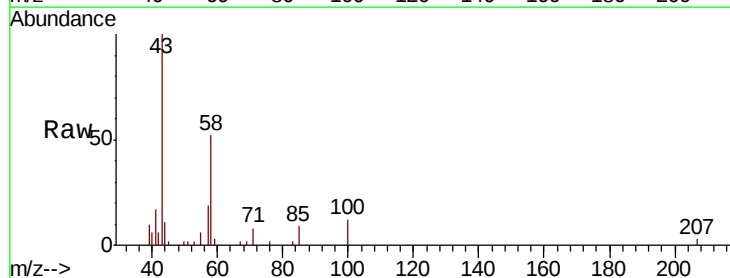
Acq: 10 Sep 2018 11:01

Tgt Ion: 43 Resp: 17148

Ion Ratio Lower Upper

43 100

58 49.4 29.3 88.0



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2777) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2777) (-)

10.75

8000

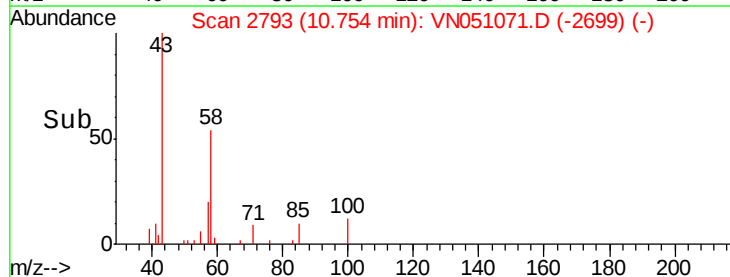
6000

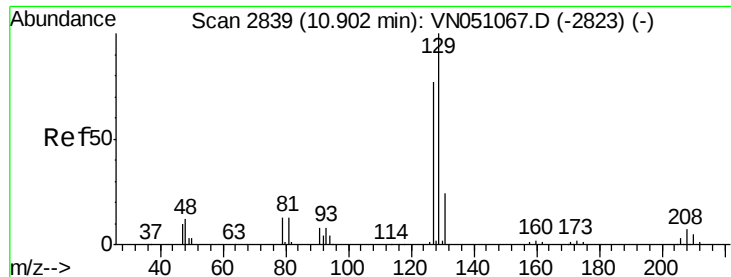
4000

2000

0

Time--> 10.70 10.75 10.80





#60

Dibromochloromethane

Concen: 0.91 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 6975

Ion Ratio Lower Upper

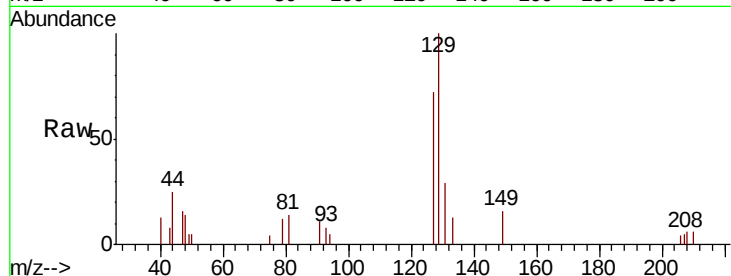
129 100

127 77.5 38.5 115.5

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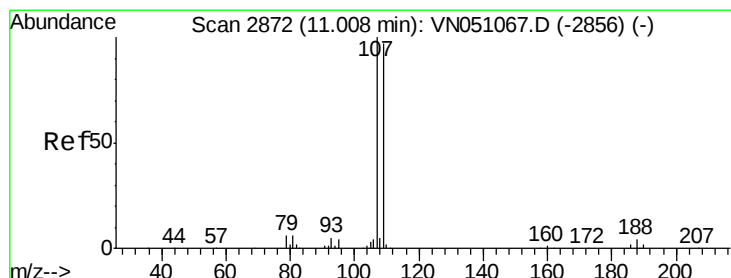
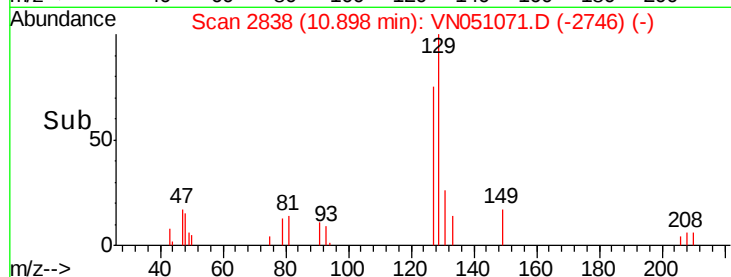
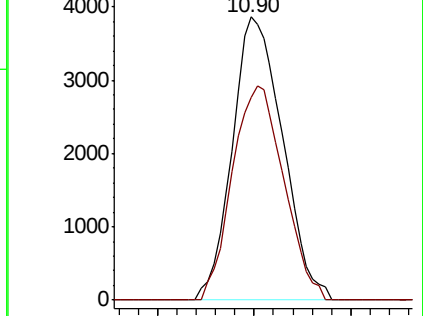
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9/11/2018 9:40:37 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.89 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051071.D

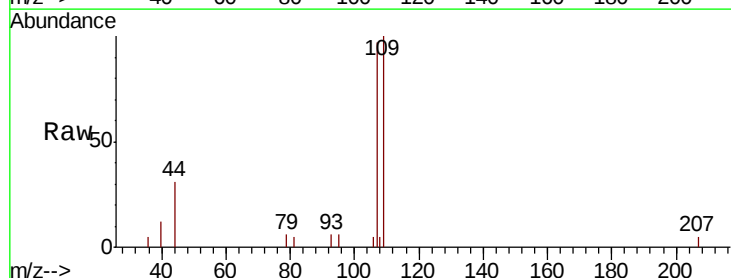
Acq: 10 Sep 2018 11:01

Tgt Ion:107 Resp: 5968

Ion Ratio Lower Upper

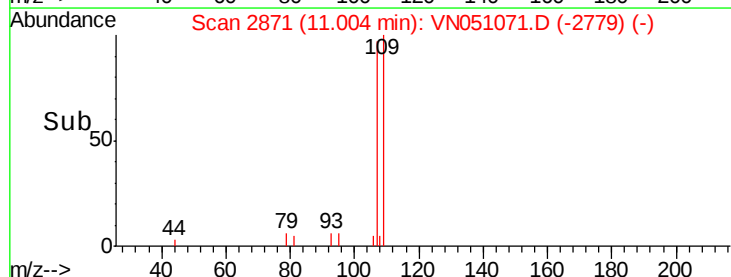
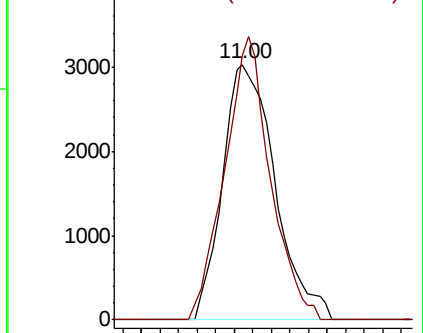
107 100

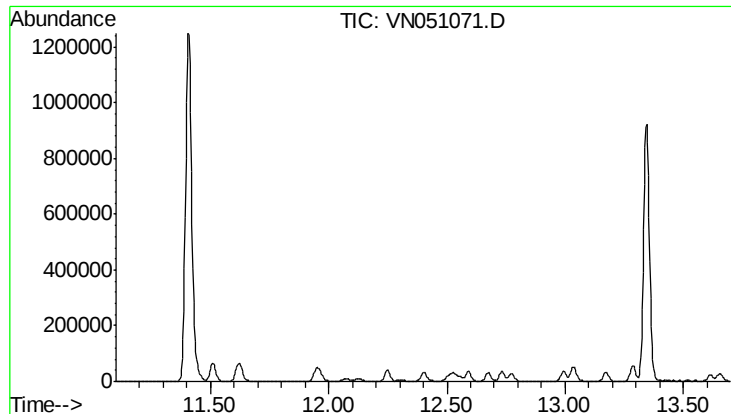
109 95.9 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





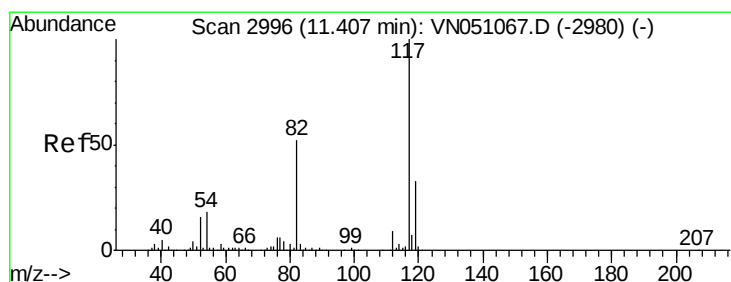
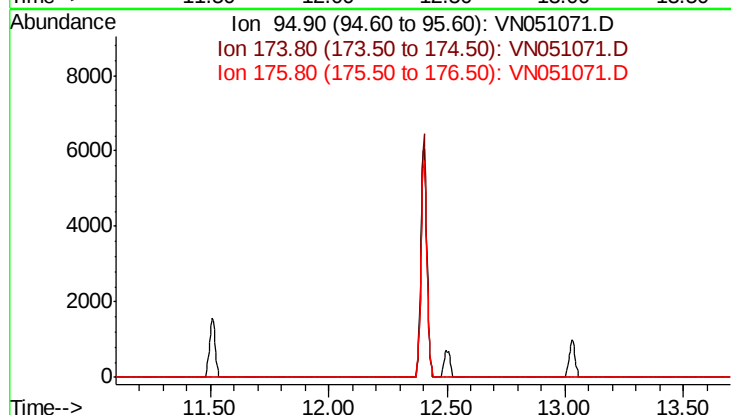
#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.40 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

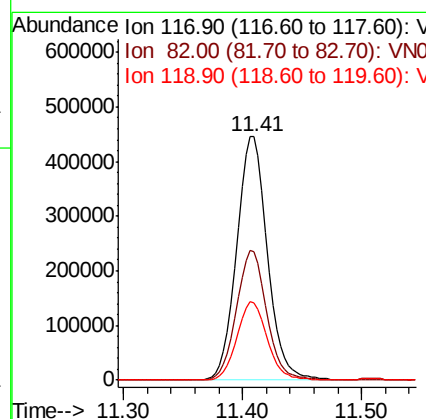
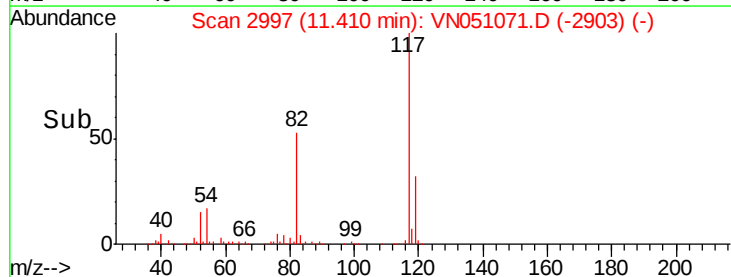
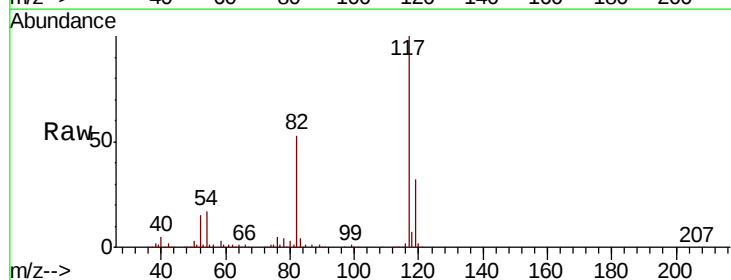
MMDadoda
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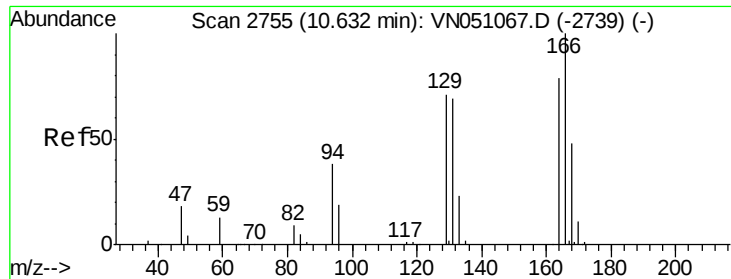
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 92.4
 176 89.3



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion: 117 Resp: 797935
 Ion Ratio Lower Upper
 117 100
 82 52.8 41.8 62.6
 119 31.9 26.2 39.2





#64

Tetrachloroethene

Concen: 1.15 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 8395

Ion Ratio Lower Upper

164 100

166 131.4 101.3 151.9

129 90.7 72.2 108.2

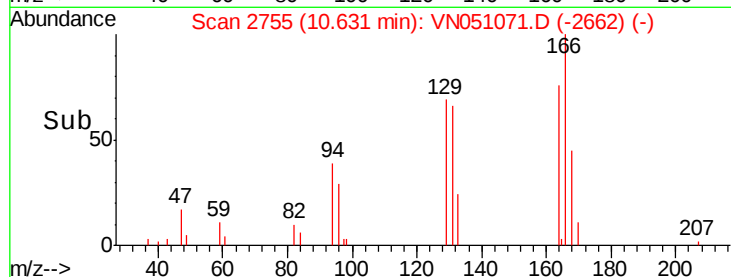
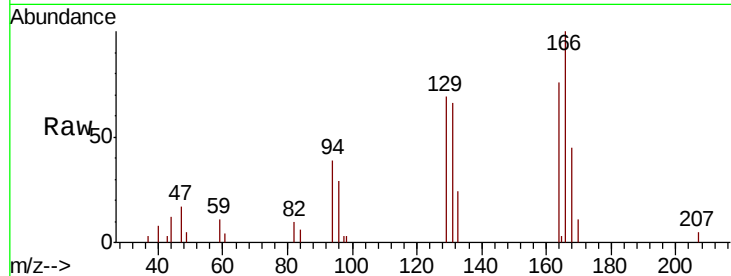
131 87.1 70.2 105.2

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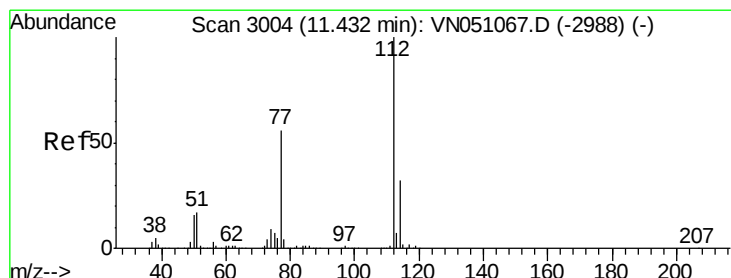
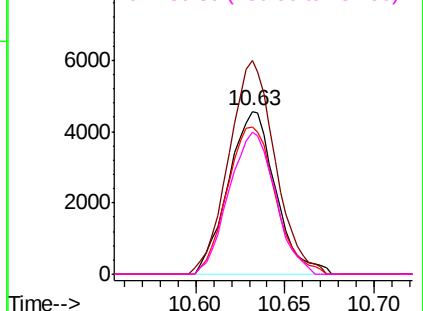


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.06 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051071.D

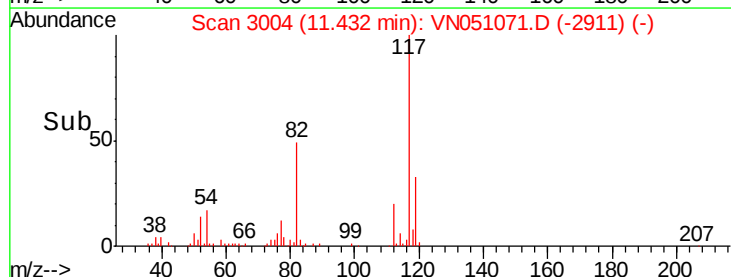
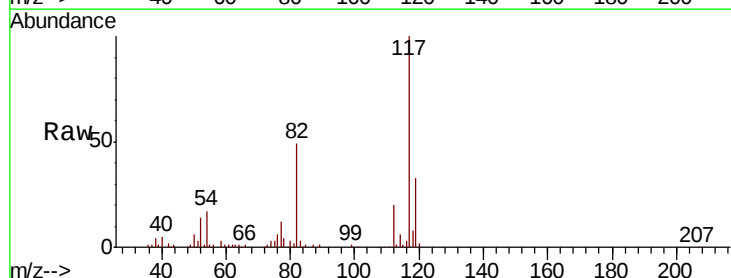
Acq: 10 Sep 2018 11:01

Tgt Ion:112 Resp: 21315

Ion Ratio Lower Upper

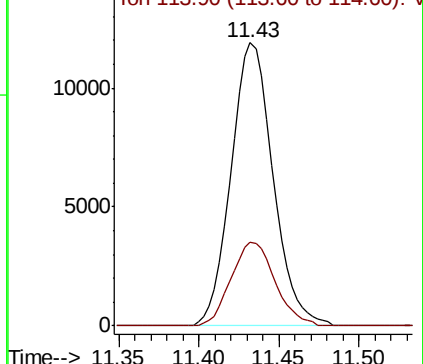
112 100

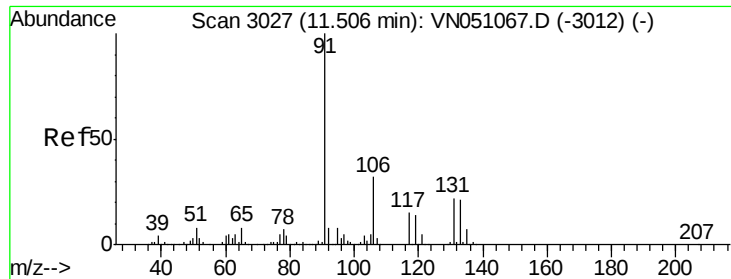
114 29.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





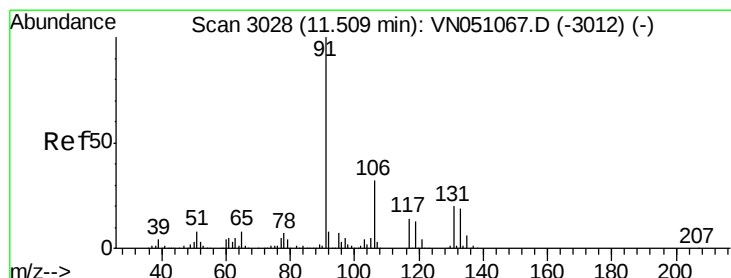
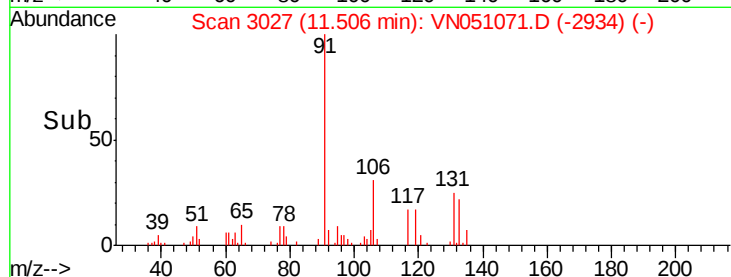
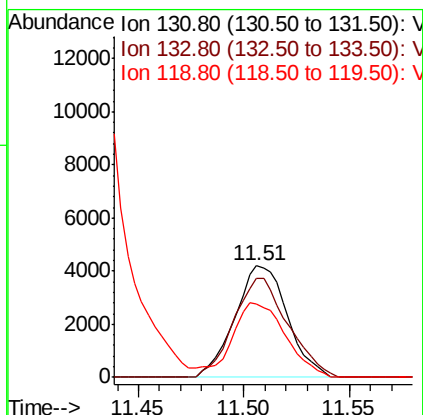
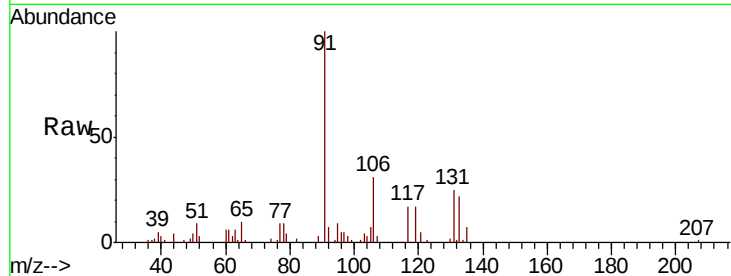
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.00 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.9	47.5	142.6
119	0.0	33.2	99.6

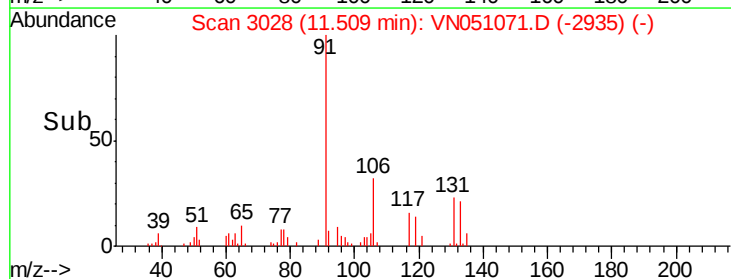
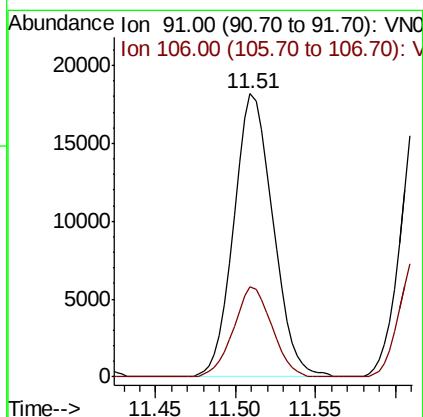
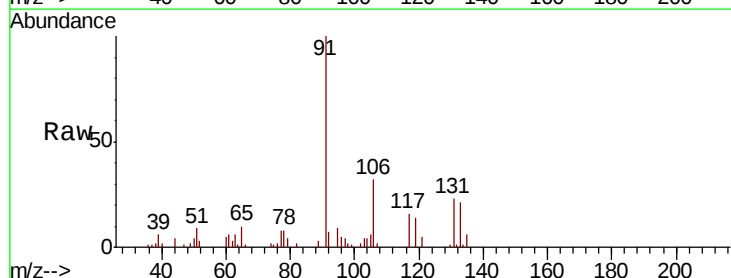
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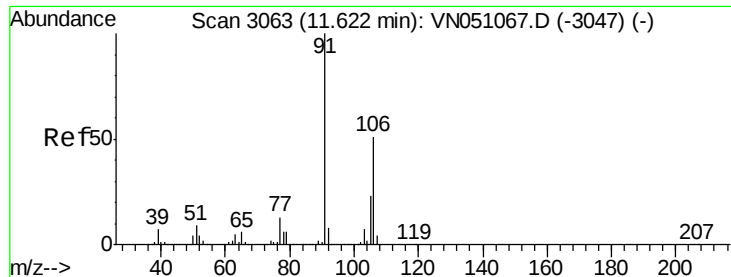
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#67
 Ethyl Benzene
 Concen: 0.93 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2





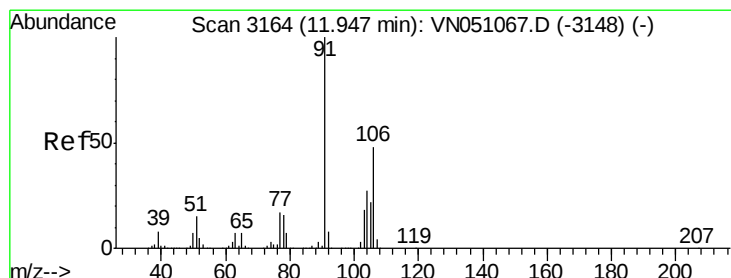
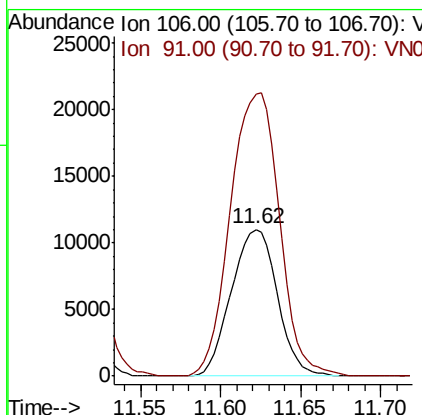
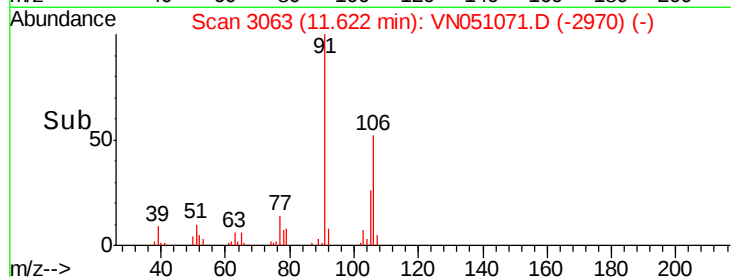
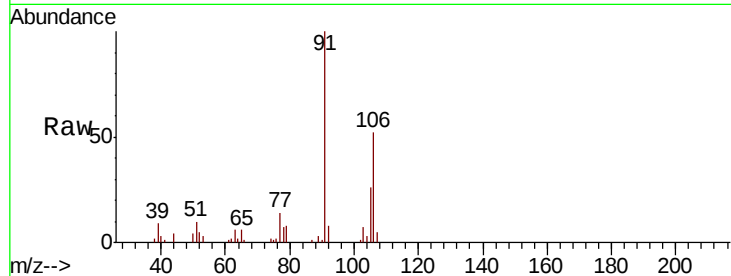
#68
m/p-Xylenes
Concen: 1.73 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	205.9	159.8	239.6	

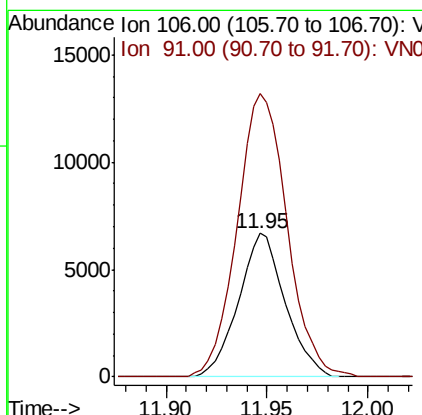
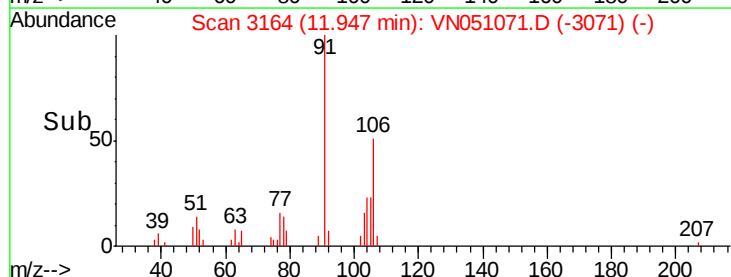
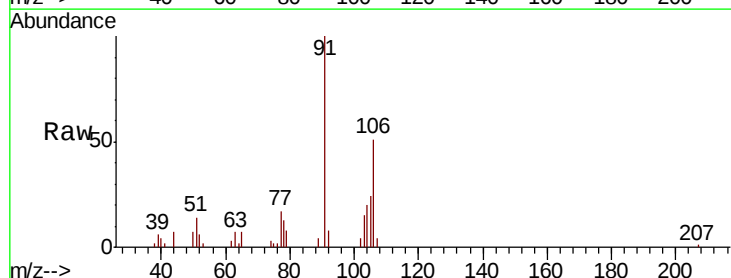
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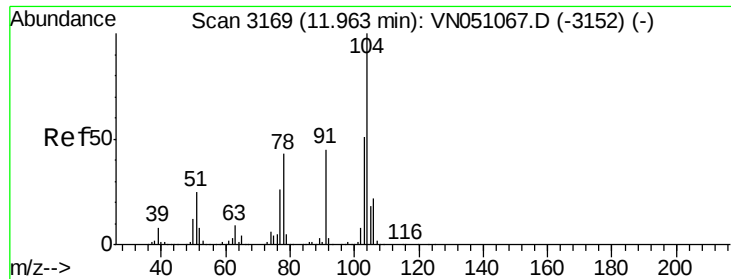
MMDadoda
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#69
o-Xylene
Concen: 0.89 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	211.2	105.1	315.1	





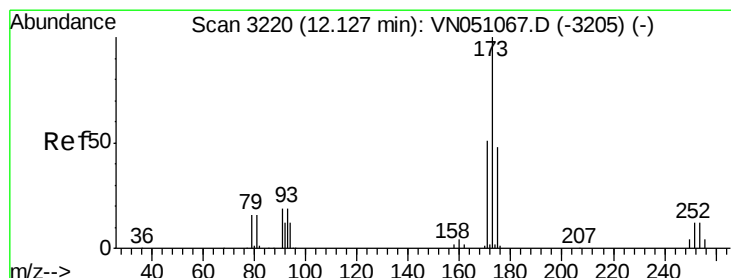
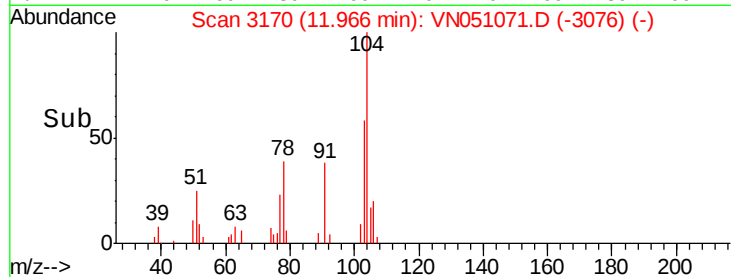
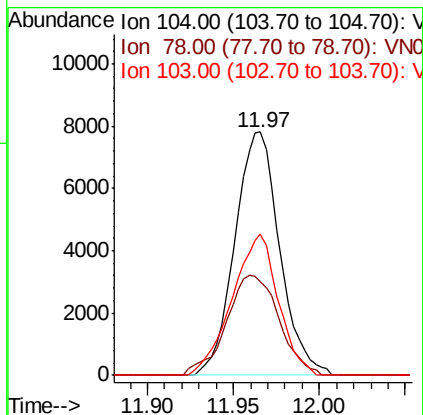
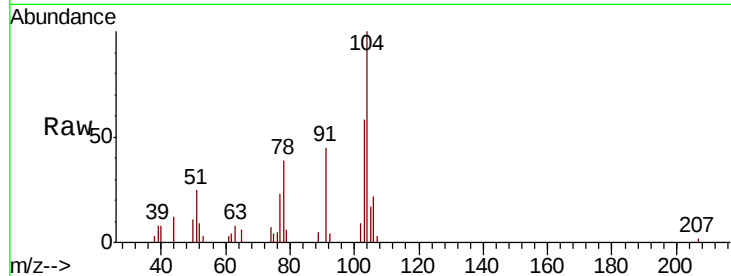
#70
Stvrene
Concen: 0.75 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.7	56.5
103	59.6	44.6	67.0

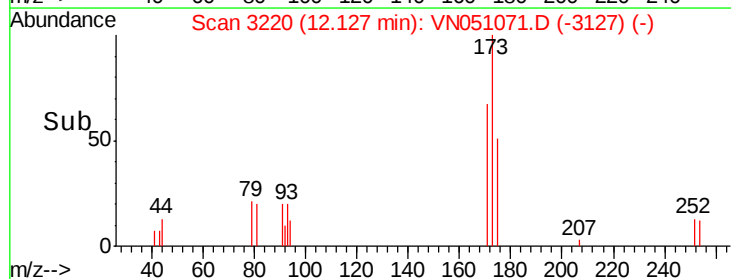
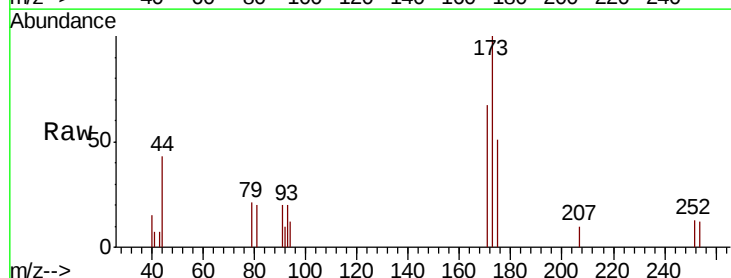
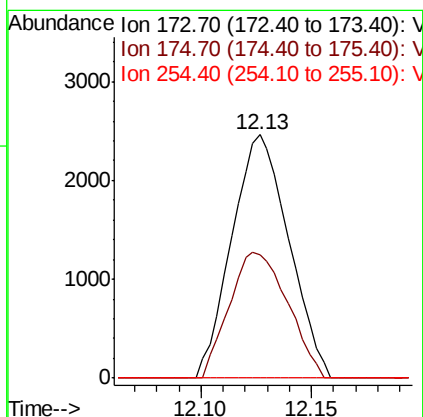
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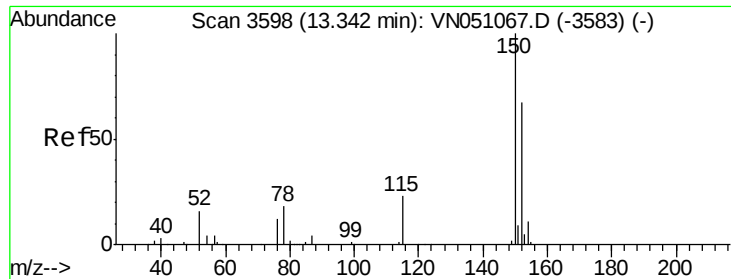
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#71
Bromoform
Concen: 0.86 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	52.9	24.3	72.9
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 273749

Ion Ratio Lower Upper

152 100

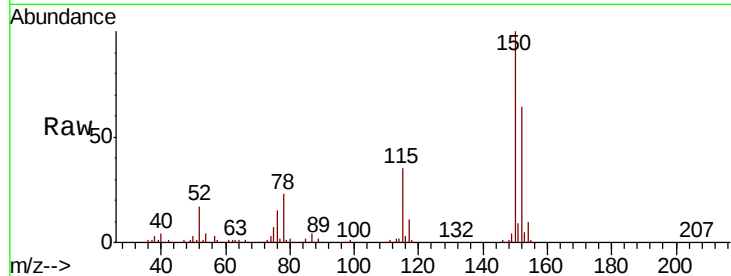
115 55.1 28.2 84.7

150 157.3 0.0 349.0

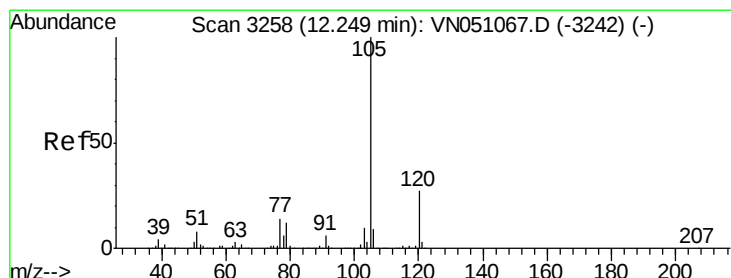
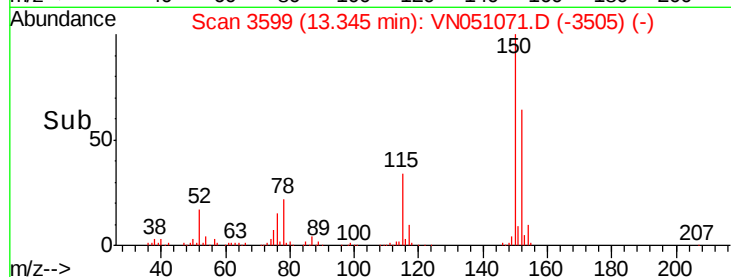
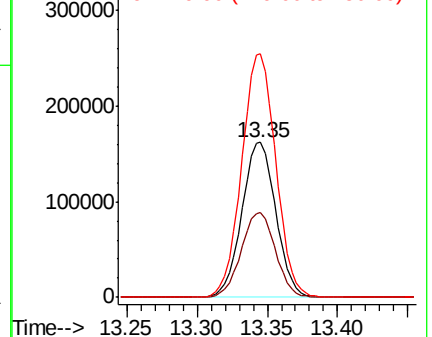
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.09 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051071.D

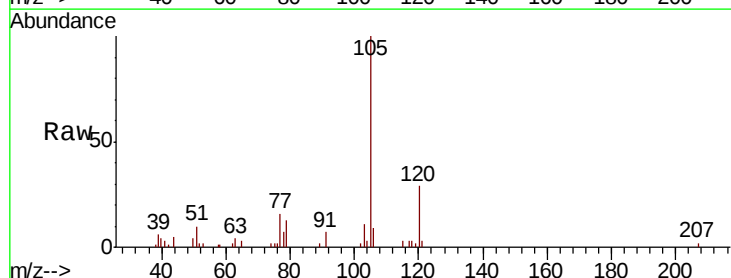
Acq: 10 Sep 2018 11:01

Tgt Ion:105 Resp: 24945

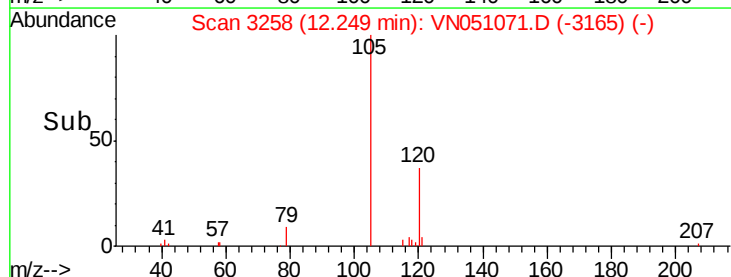
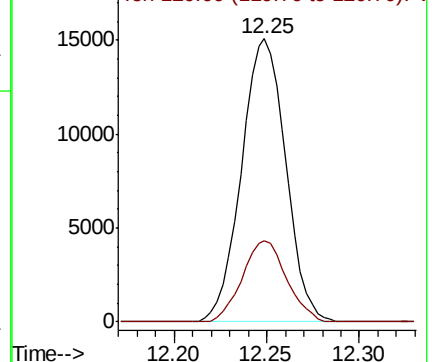
Ion Ratio Lower Upper

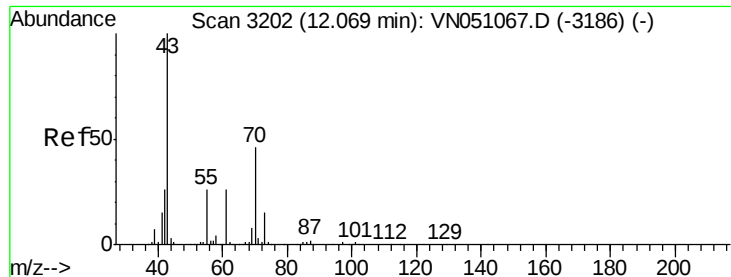
105 100

120 28.7 13.6 40.7



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





#74

N-amvl acetate

Concen: 1.08 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

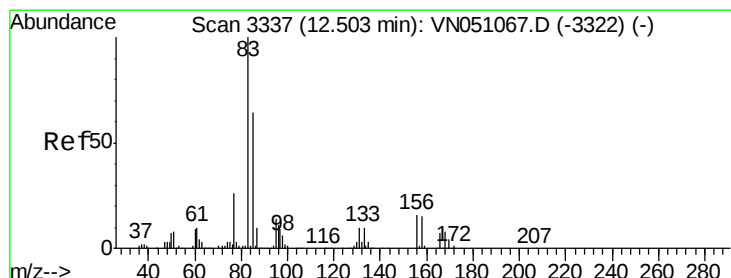
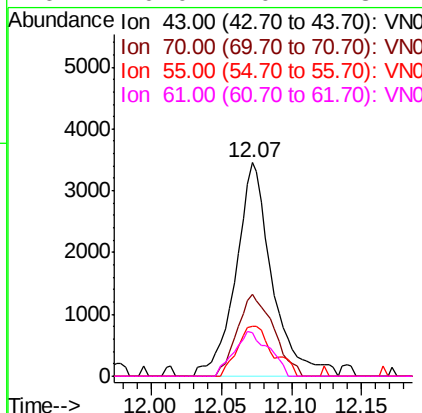
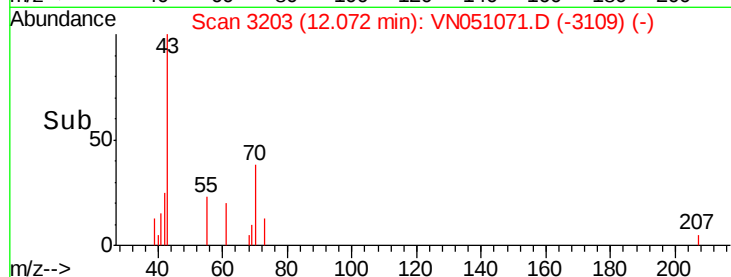
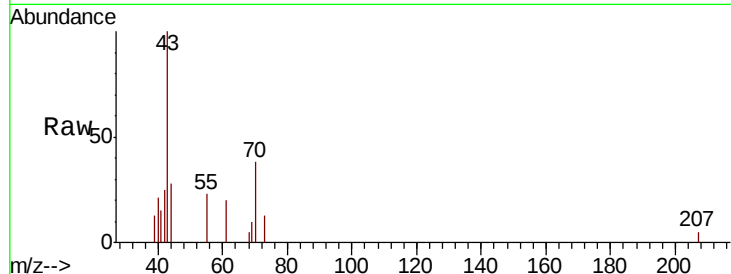
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	6222
Ion	Ratio	Lower	Upper
43	100		
70	38.3	37.0	55.4
55	22.8	21.3	31.9
61	20.0	20.7	31.1#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.34 ug/l

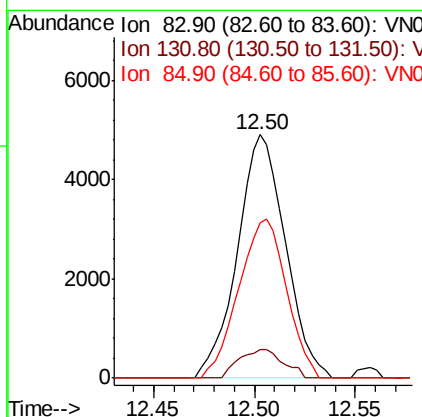
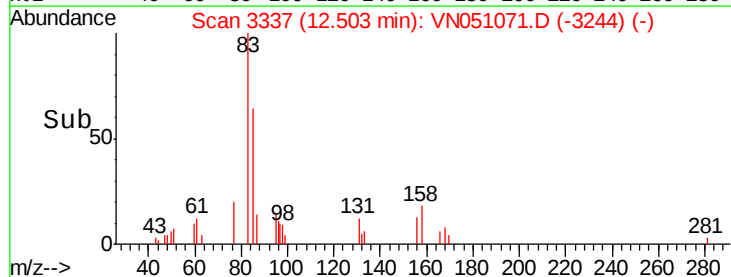
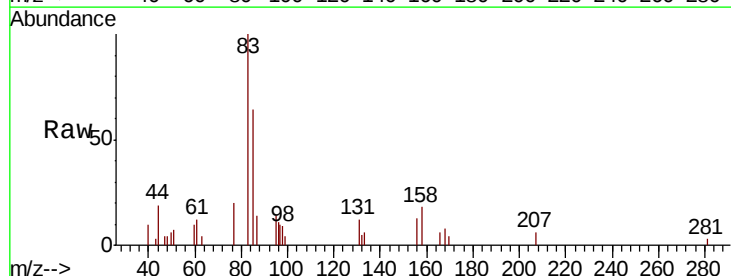
RT: 12.50 min Scan# 3337

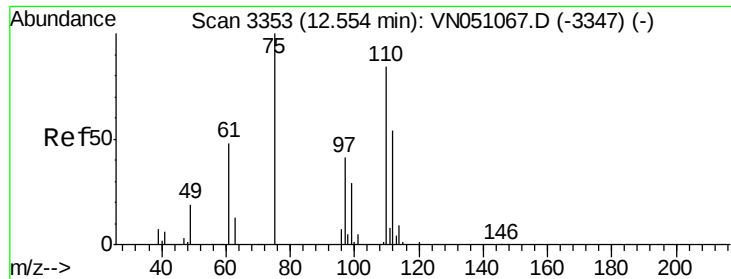
Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	83	Resp:	8175
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	16.1
85	64.8	32.3	96.8





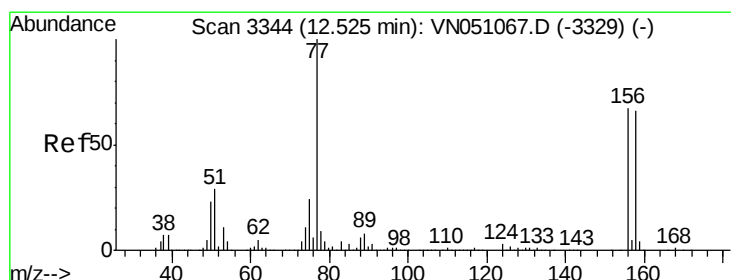
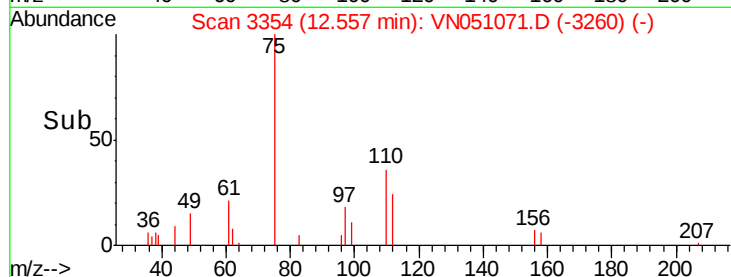
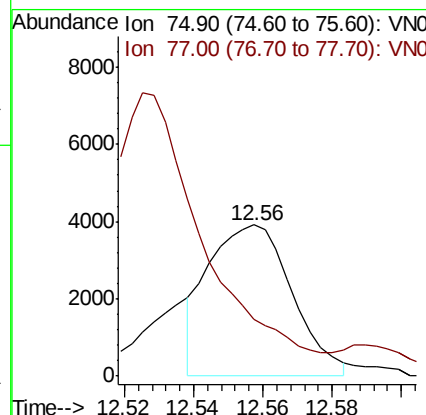
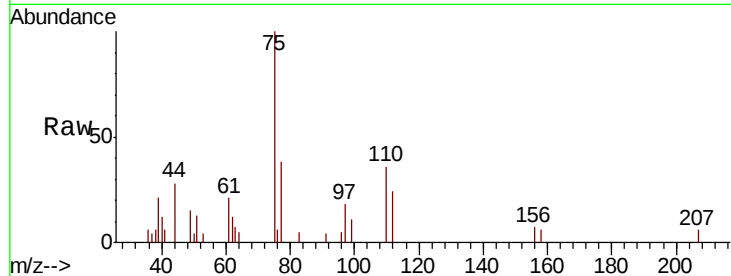
#76
 1,2,3-Trichloropropane
 Concen: 1.44 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 6573
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

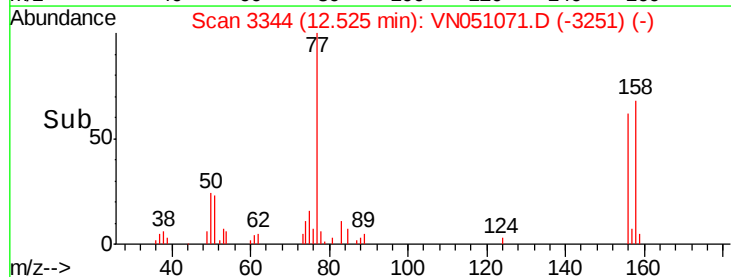
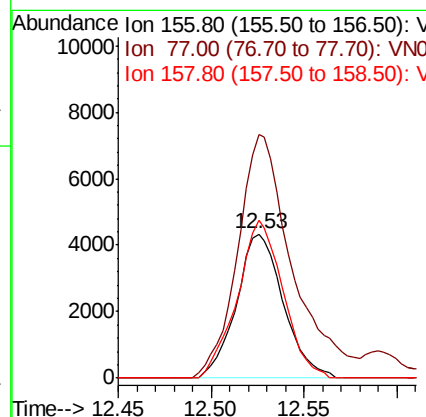
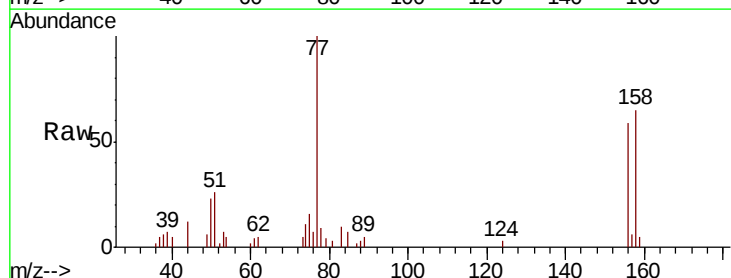
Manual Integrations
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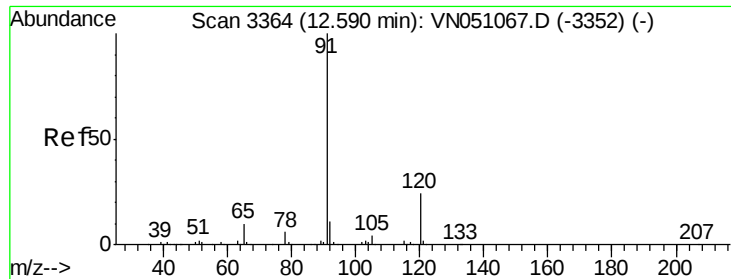
MMDadoda
 9/11/2018 9:40:37 AM



#77
 Bromobenzene
 Concen: 1.23 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion: 156 Resp: 7613
 Ion Ratio Lower Upper
 156 100
 77 198.0 87.5 262.6
 158 106.6 49.0 147.2





#78

n-propylbenzene

Concen: 1.04 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 26342

Ion Ratio Lower Upper

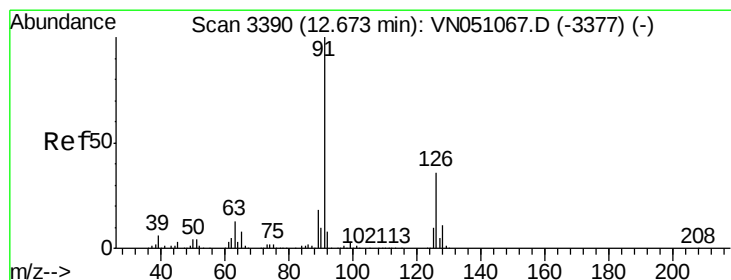
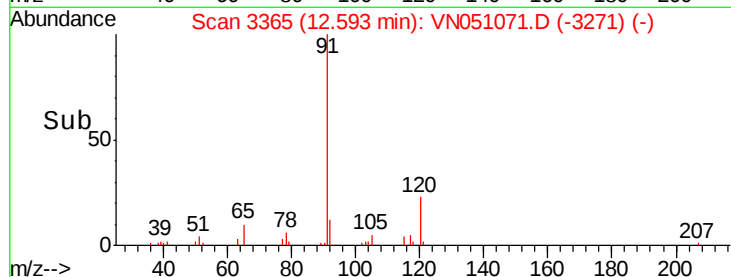
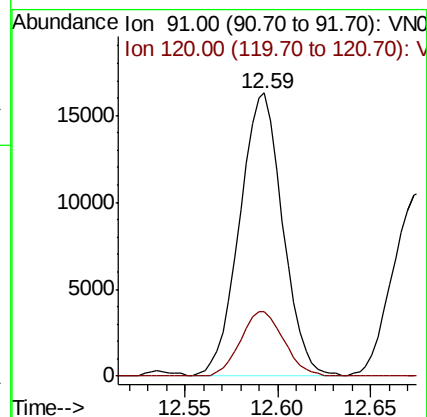
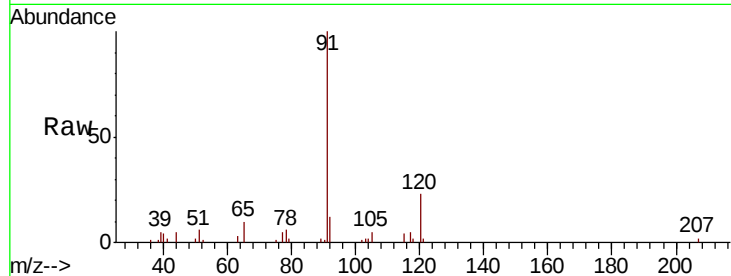
91 100

120 22.9 12.0 36.0

Manual Integrations
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#79

2-Chlorotoluene

Concen: 1.18 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051071.D

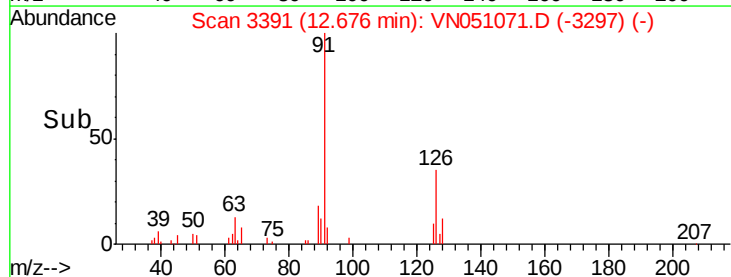
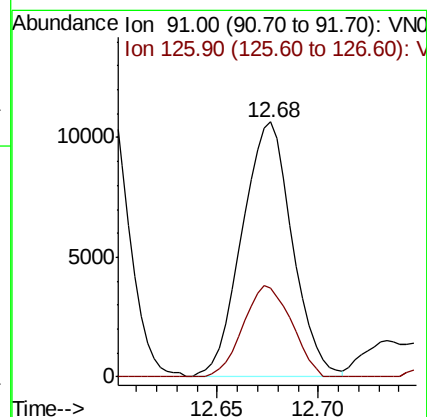
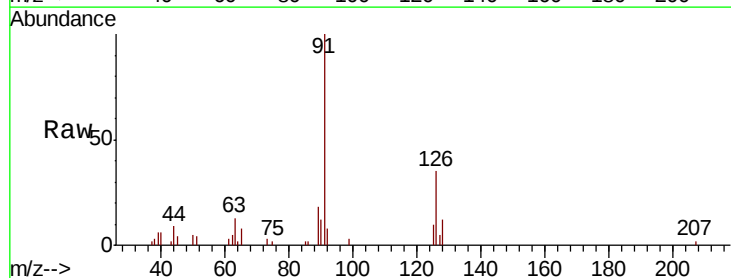
Acq: 10 Sep 2018 11:01

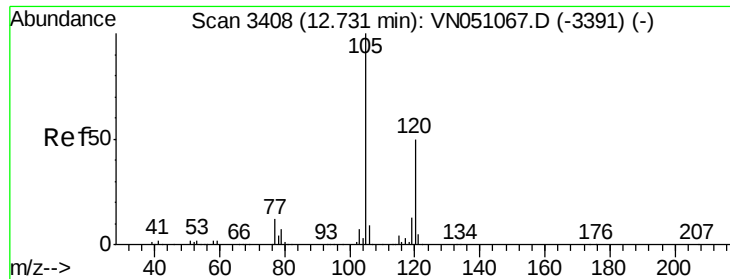
Tgt Ion: 91 Resp: 18633

Ion Ratio Lower Upper

91 100

126 34.3 17.9 53.7





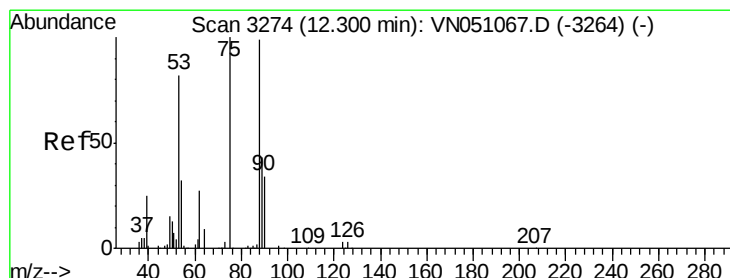
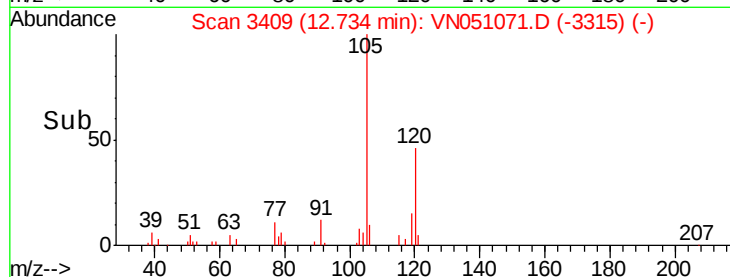
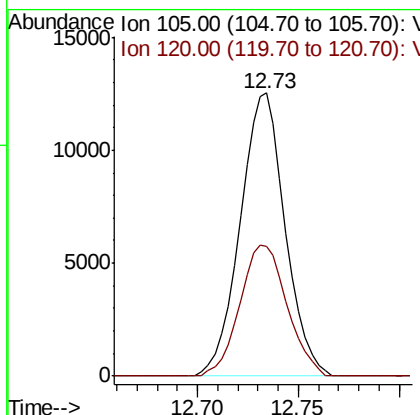
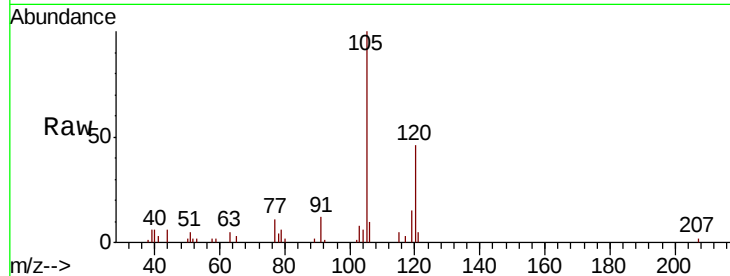
#80
 1,3,5-Trimethylbenzene
 Concen: 1.05 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.9	74.6

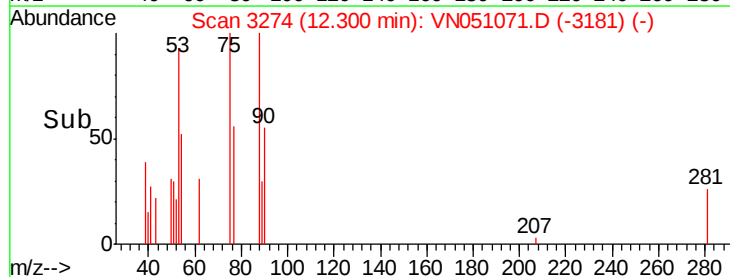
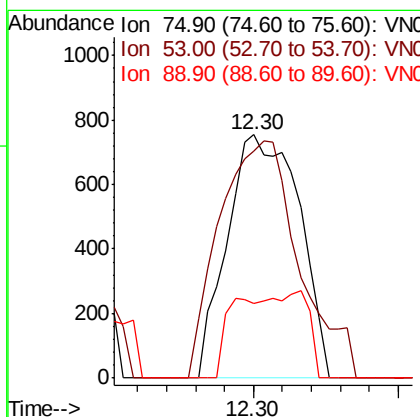
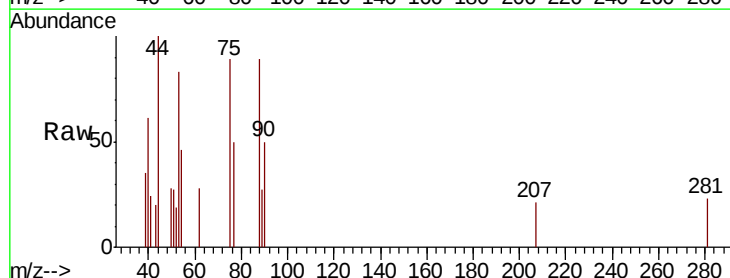
Manual Integrations
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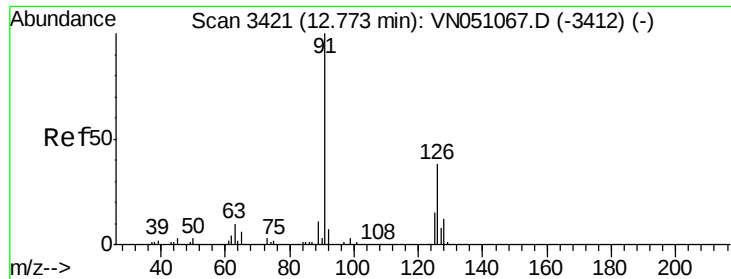
MMDadoda
 9/11/2018 9:40:37 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.90 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.7	67.8	101.8#
89	13.7	36.0	54.0#





#82

4-Chlorotoluene

Concen: 1.15 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 18038

Ion Ratio Lower Upper

91 100

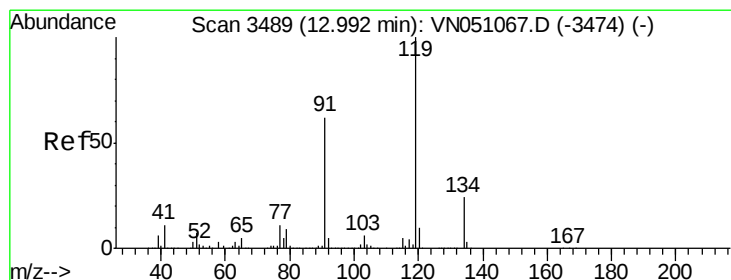
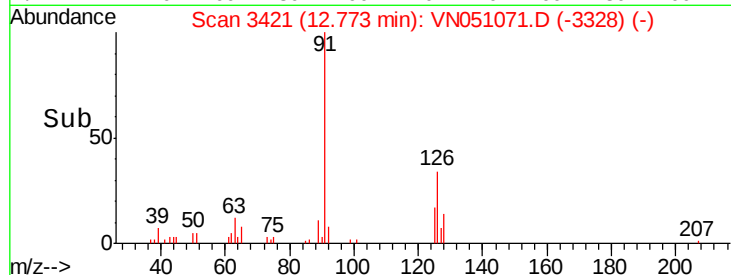
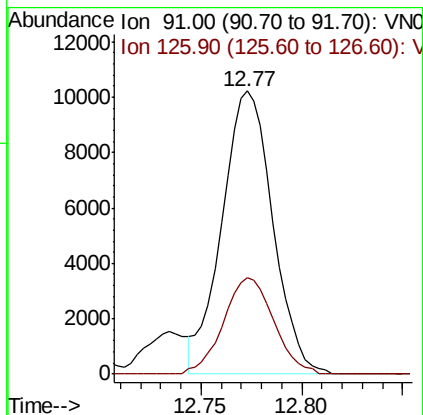
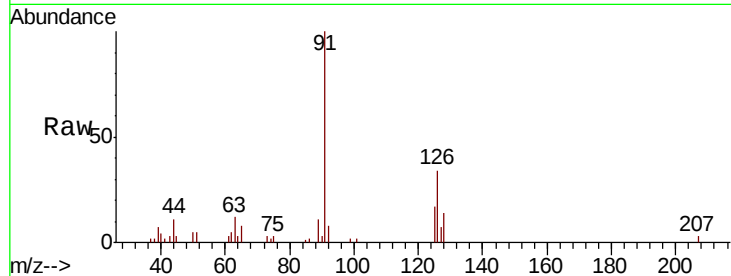
126 33.5 17.6 52.8

Manual Integrations

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9/11/2018 9:40:37 AM



#83

tert-Butylbenzene

Concen: 1.08 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

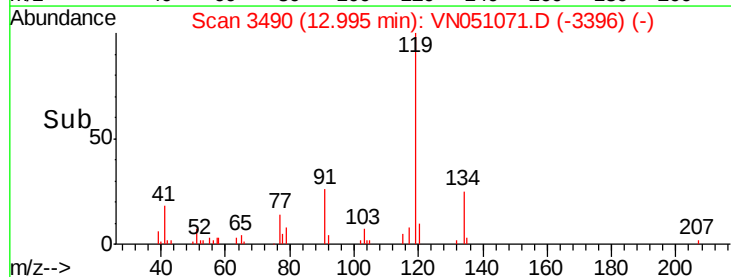
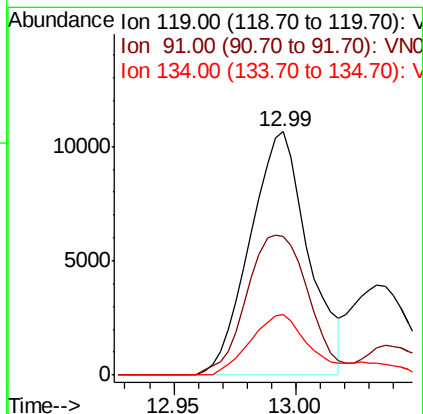
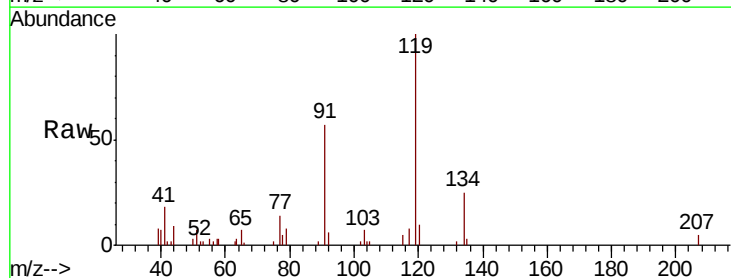
Tgt Ion: 119 Resp: 17638

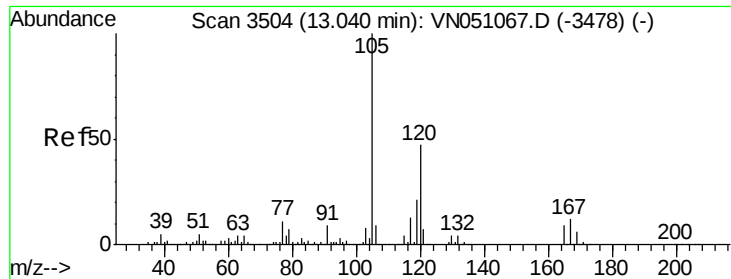
Ion Ratio Lower Upper

119 100

91 61.3 30.8 92.3

134 25.0 13.2 39.6





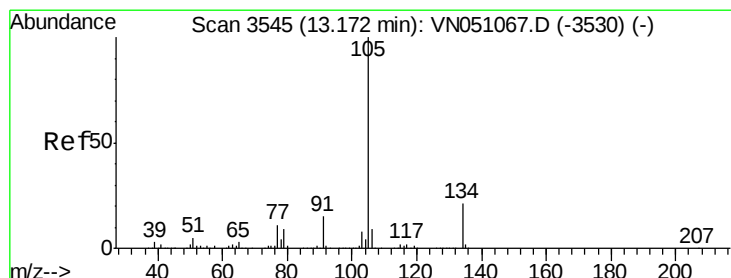
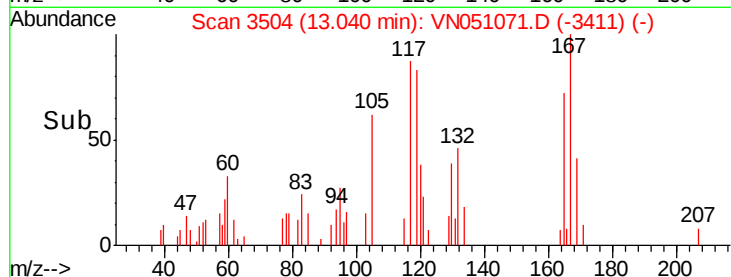
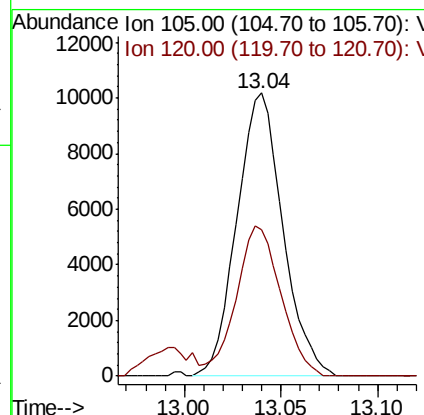
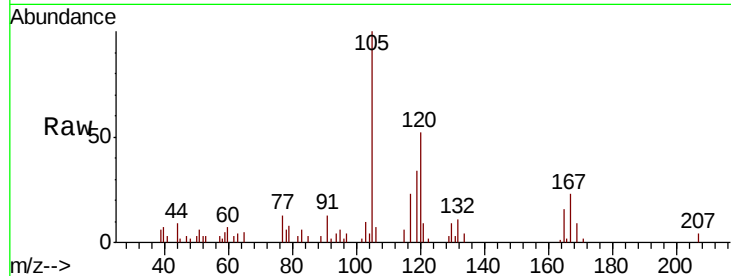
#84
 1,2,4-Trimethylbenzene
 Concen: 0.92 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.1	23.3	69.8

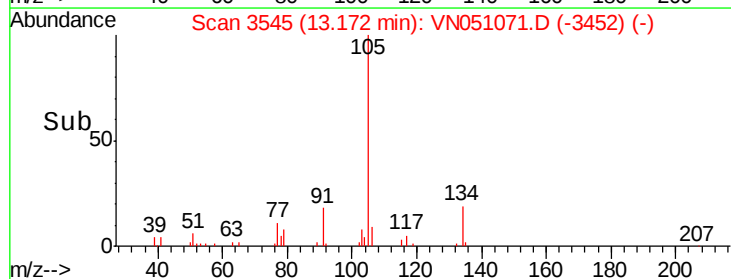
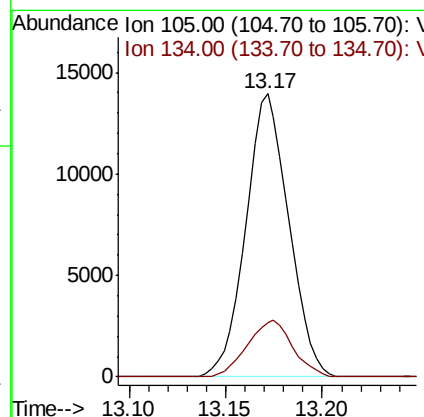
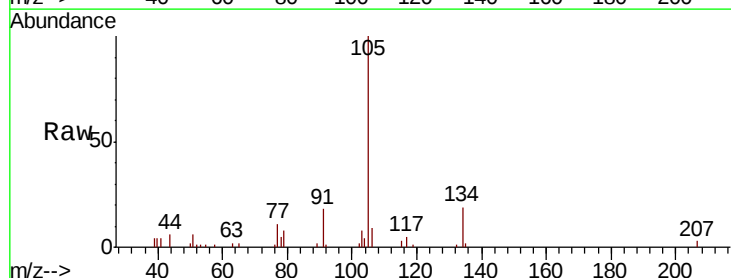
Manual Integrations
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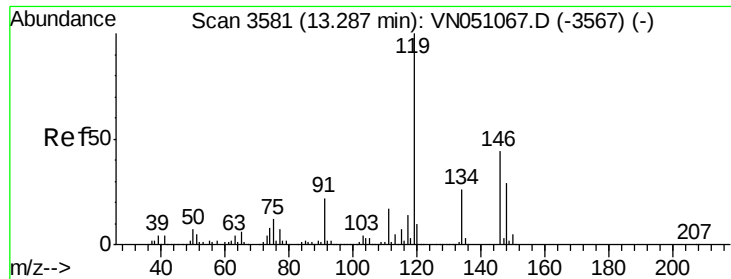
MMDadoda
 9/11/2018 9:40:37 AM



#85
 sec-Butylbenzene
 Concen: 1.03 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4





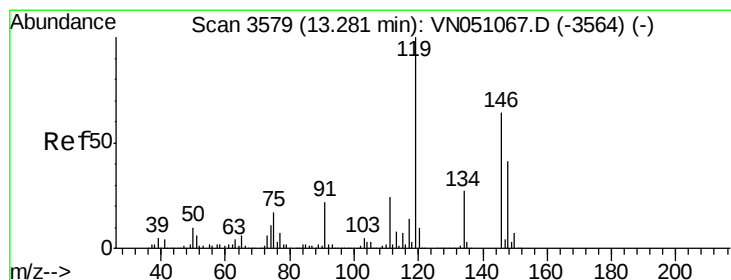
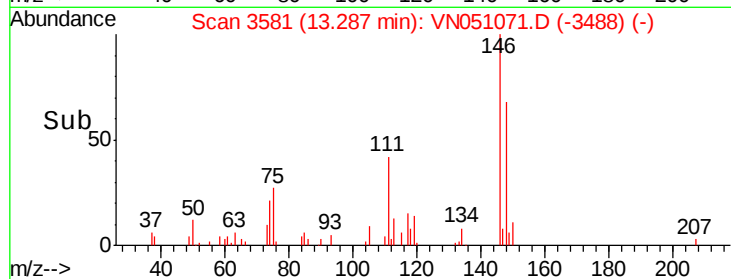
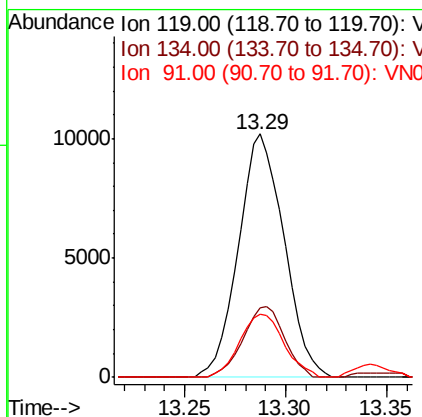
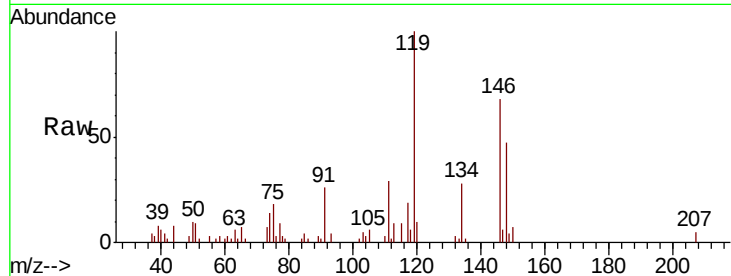
#86
 p-Isopropyltoluene
 Concen: 0.90 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC001

Tot Ion:	119	Resp:	16120
Ion Ratio	Lower	Upper	
119	100		
134	26.4	13.5	40.4
91	25.2	10.9	32.9

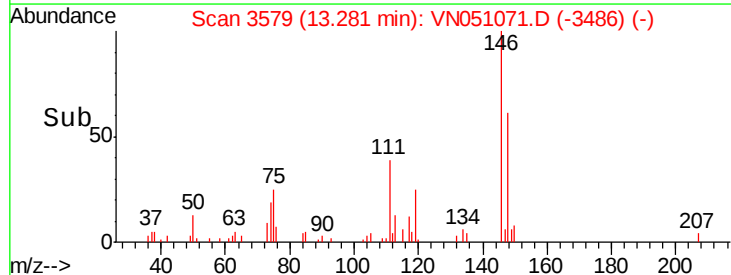
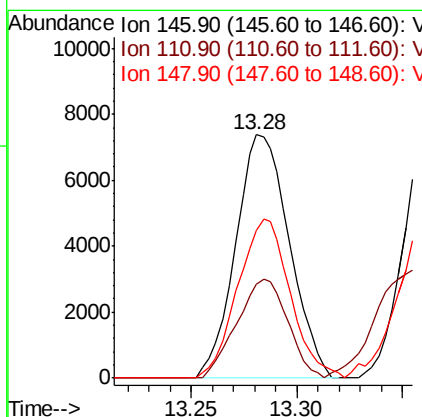
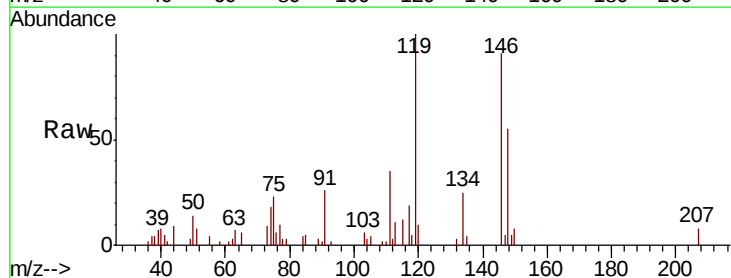
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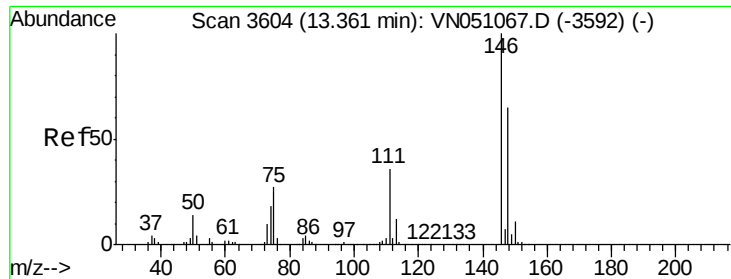
MMDadoda
 9/11/2018 9:40:37 AM



#87
 1,3-Dichlorobenzene
 Concen: 1.25 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion:	146	Resp:	13035
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	63.8	32.2	96.6





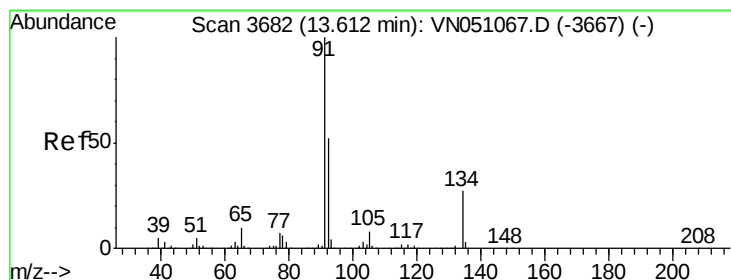
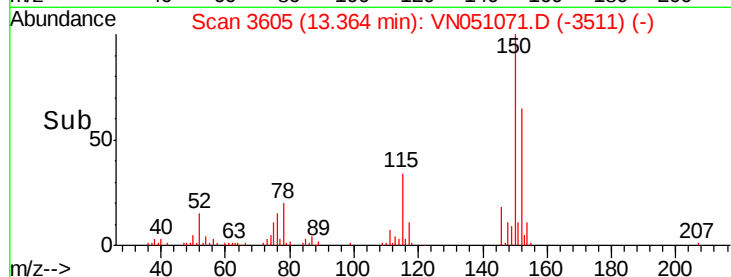
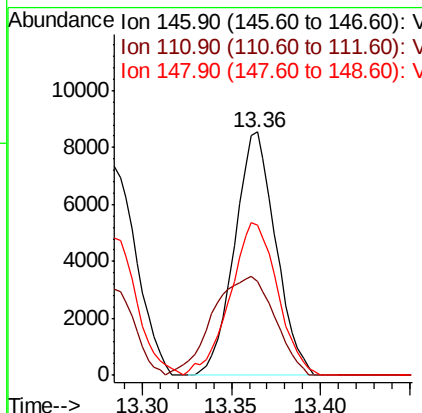
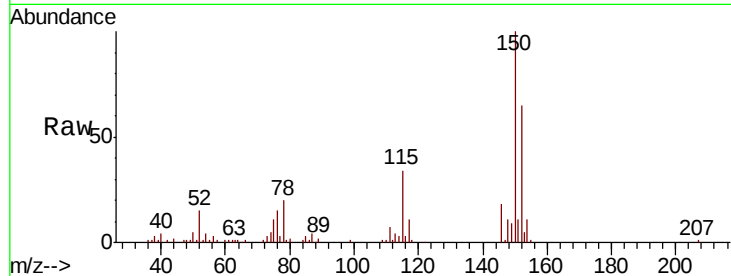
#88
 1,4-Dichlorobenzene
 Concen: 1.33 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	60.8	32.2	96.6

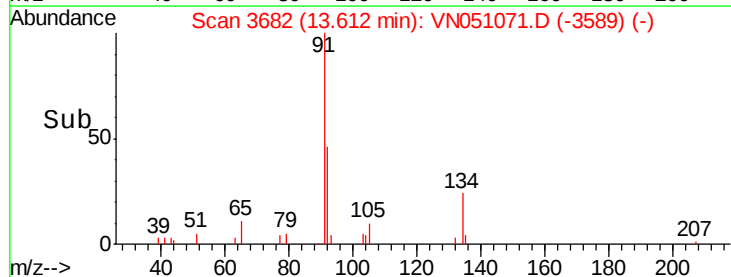
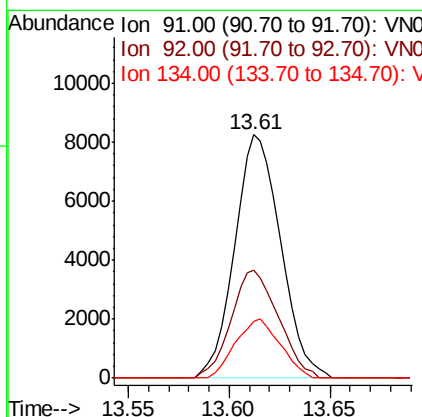
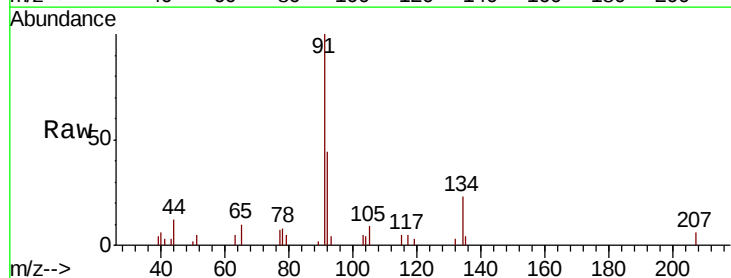
Manual Integrations
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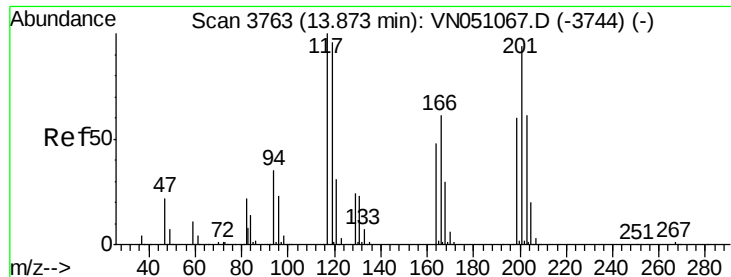
MMDadoda
 9/11/2018 9:40:37 AM



#89
 n-Butylbenzene
 Concen: 0.95 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.5	26.2	78.6
134	23.7	13.7	41.1





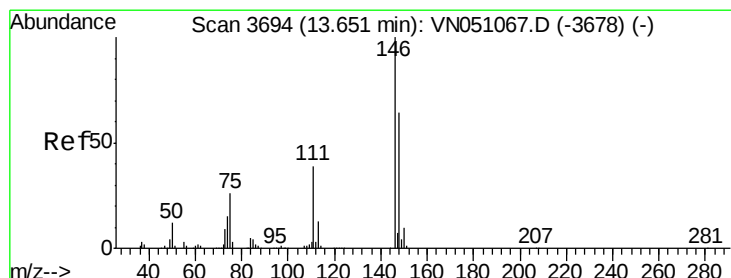
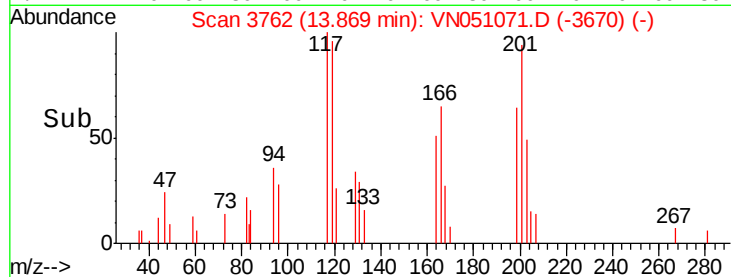
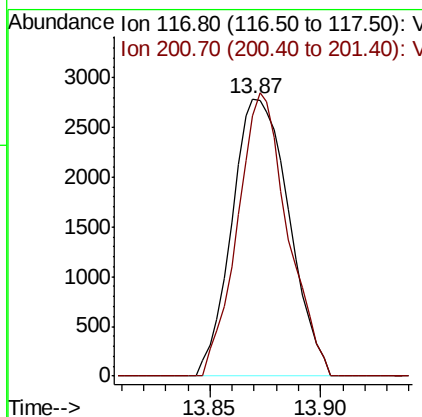
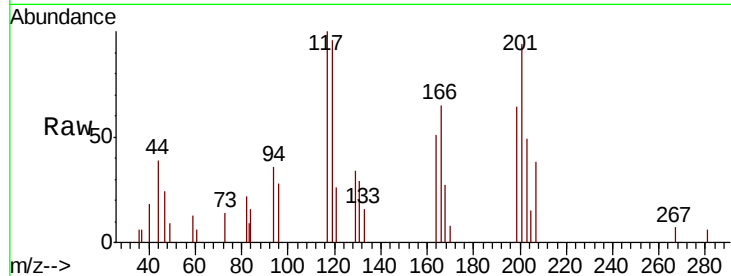
#90
Hexachloroethane
Concen: 1.37 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 4994
Ion Ratio Lower Upper
117 100
201 89.7 47.3 142.0

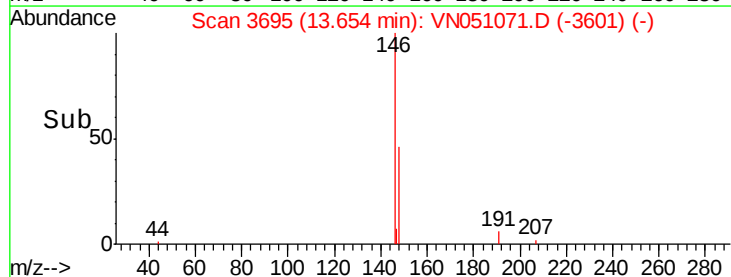
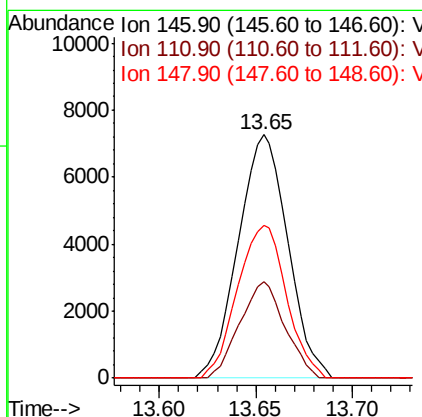
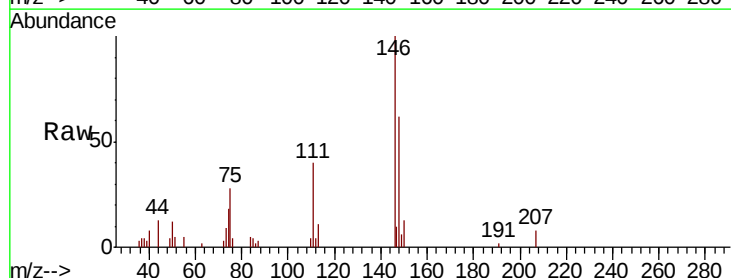
Manual Integrations
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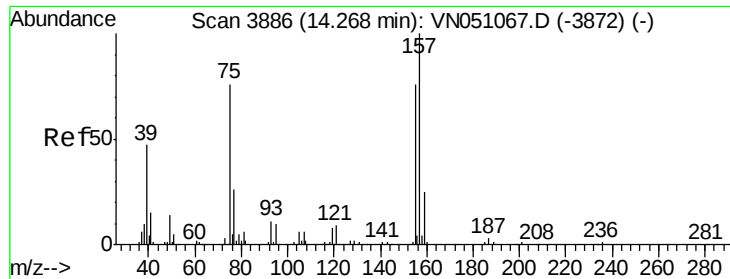
MMDadoda
9/11/2018 9:40:37 AM



#91
1,2-Dichlorobenzene
Concen: 1.27 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051071.D
Acq: 10 Sep 2018 11:01

Tgt Ion:146 Resp: 12945
Ion Ratio Lower Upper
146 100
111 36.1 19.7 59.0
148 62.0 32.1 96.3





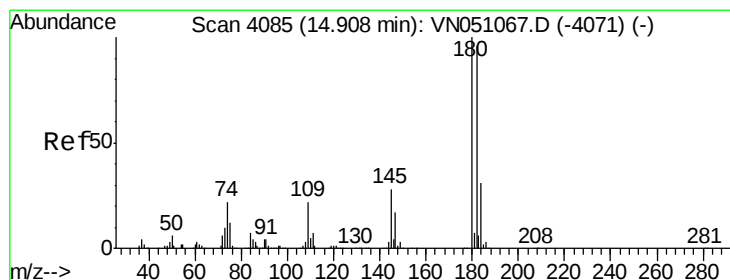
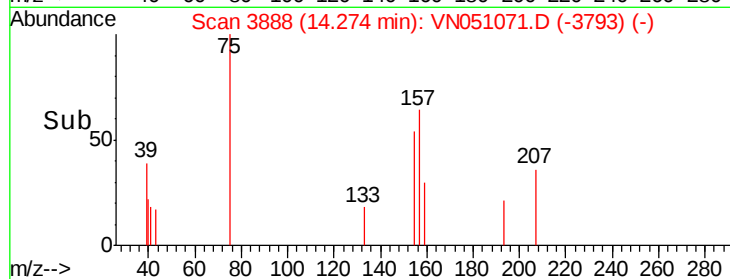
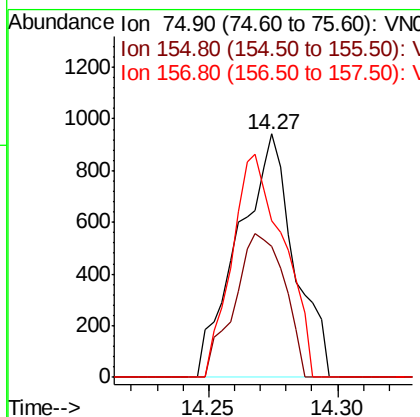
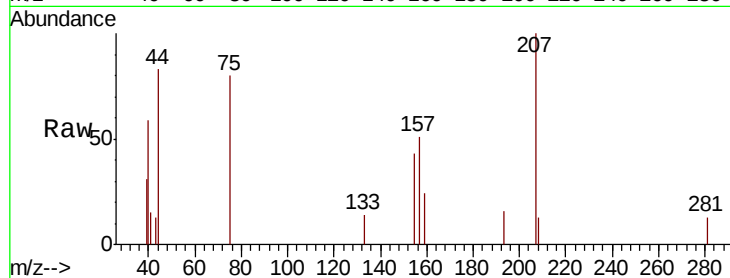
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.59 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	53.3	48.7	146.1
157	84.9	63.6	190.9

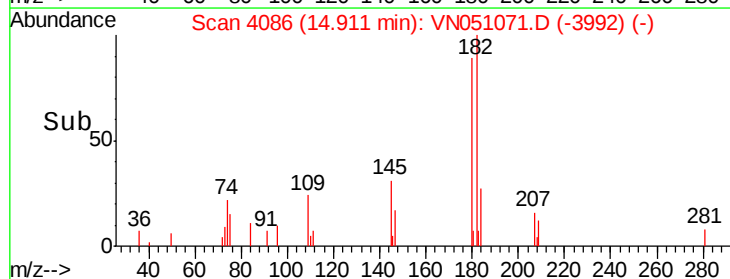
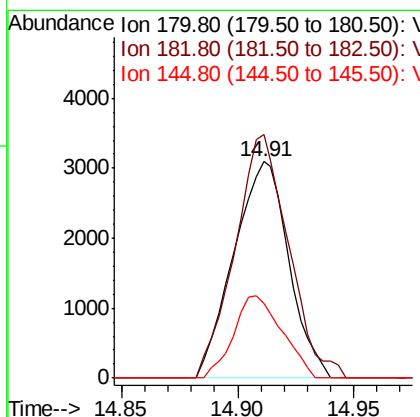
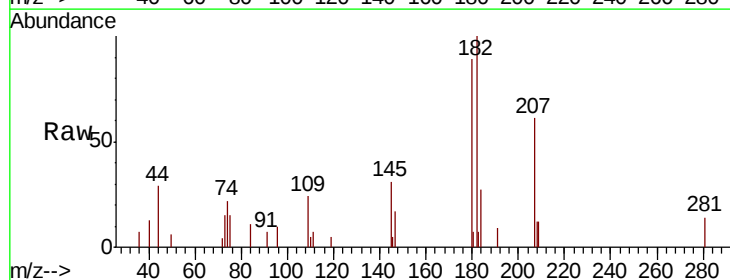
Manual Integrations
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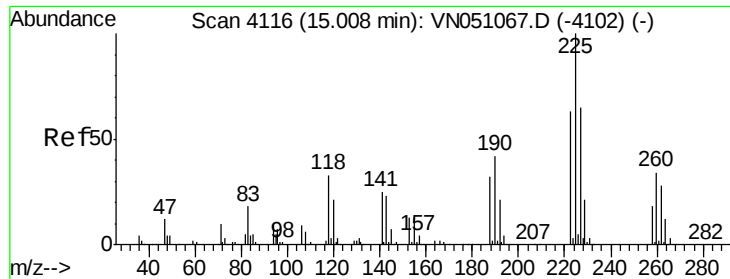
MMDadoda
 9/11/2018 9:40:37 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 1.16 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	109.9	47.3	141.8
145	33.6	14.2	42.6





#94

Hexachlorobutadiene

Concen: 1.64 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Instrument :

MSVOA_N

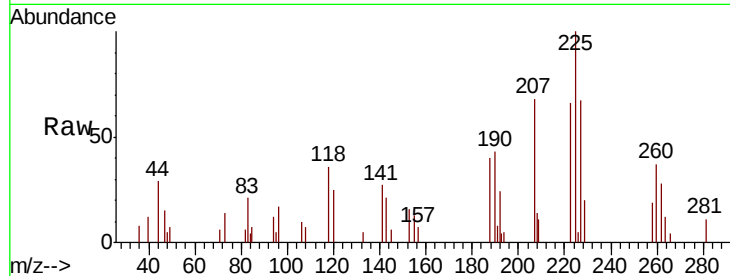
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	5907
Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	70.0	32.1	96.3

Manual Integrations
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MMDadoda
9/11/2018 9:40:37 AM

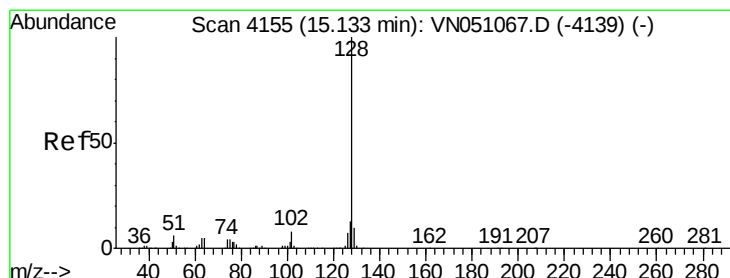
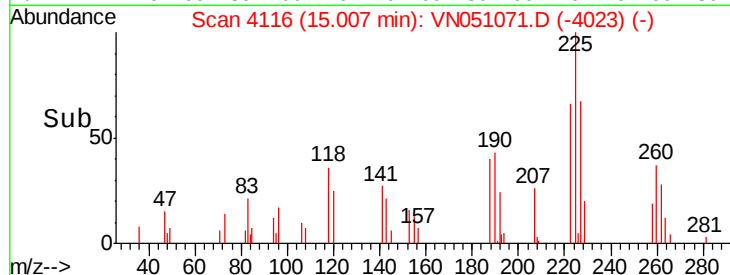
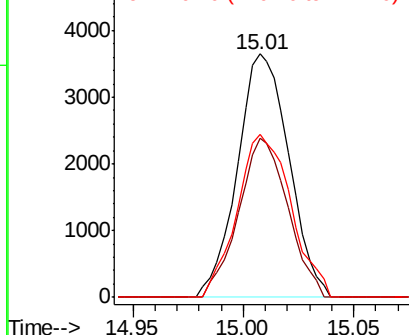


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.39 ug/l

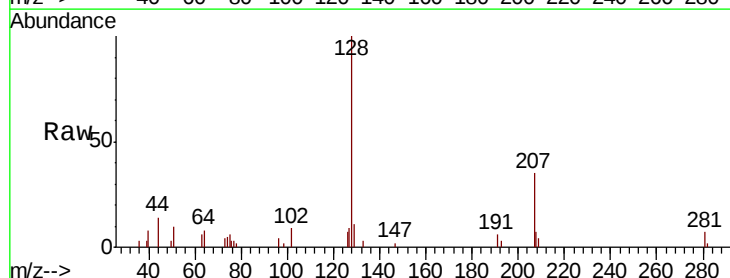
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051071.D

Acq: 10 Sep 2018 11:01

Tgt Ion:	128	Resp:	12900
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.6	15.8
129	9.5	8.6	12.8

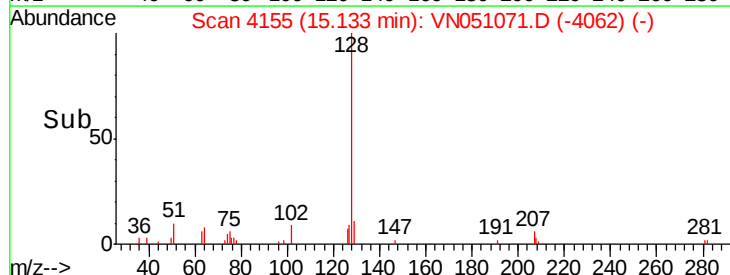
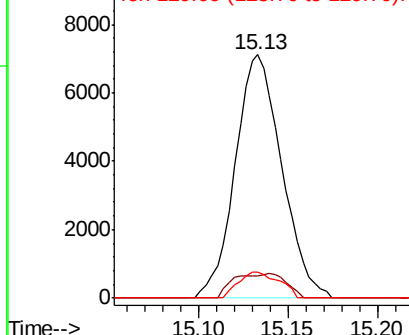


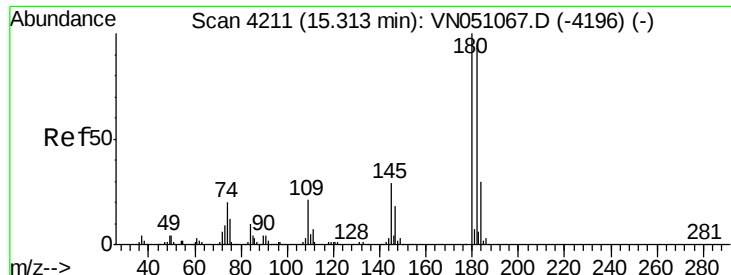
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.39 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051071.D
 Acq: 10 Sep 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.5	47.8	143.3
145	30.3	14.6	43.8

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:37 AM

