

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051517.D
 Acq On : 26 Sep 2018 6:14
 Operator : MD\SY
 Sample : VN0926WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:54:37 AM

Quant Time: Sep 26 08:26:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	471877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	321060	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	287354	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	1034719	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	324407	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80438	18.271	ug/l	99
3) Chloromethane	2.06	50	136445	19.470	ug/l	96
4) Vinyl Chloride	2.18	62	148686	19.223	ug/l	100
5) Bromomethane	2.56	94	72433	15.667	ug/l	99
6) Chloroethane	2.70	64	96720	20.068	ug/l	96
7) Trichlorofluoromethane	3.01	101	195364	19.283	ug/l	97
8) Diethyl Ether	3.41	74	59947	17.044	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	102609	17.945	ug/l	95
10) Methyl Iodide	3.95	142	95732	12.810	ug/l	98
11) Tert butyl alcohol	4.79	59	36746	110.147	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	92091	17.541	ug/l	97
13) Acrolein	3.61	56	26475	79.919	ug/l	93
14) Allyl chloride	4.33	41	159577	18.116	ug/l	99
15) Acrylonitrile	4.99	53	185841	102.404	ug/l	100
16) Acetone	3.82	43	131534	84.175	ug/l	98
17) Carbon Disulfide	4.05	76	262578	17.023	ug/l	99
18) Methyl Acetate	4.33	43	103351	22.957	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	273064	20.169	ug/l	100
20) Methylene Chloride	4.55	84	117632	20.110	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	100290	18.673	ug/l	93
22) Diisopropyl ether	5.96	45	369208	21.684	ug/l	99
23) Vinyl Acetate	5.90	43	1123025	100.463	ug/l	99
24) 1,1-Dichloroethane	5.85	63	215060	21.169	ug/l	99
25) 2-Butanone	6.84	43	203857	100.759	ug/l	99
26) 2,2-Dichloropropane	6.83	77	121045	15.264	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	117688	19.970	ug/l	99
28) Bromochloromethane	7.20	49	99644	21.239	ug/l	99
29) Tetrahydrofuran	7.22	42	144135	112.417	ug/l	97
30) Chloroform	7.37	83	214436	21.302	ug/l	97
31) Cyclohexane	7.66	56	173282	18.617	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	182081	21.158	ug/l	99
36) 1,1-Dichloropropene	7.80	75	153015	18.987	ug/l	97
37) Ethyl Acetate	6.93	43	98275	21.209	ug/l	97
38) Carbon Tetrachloride	7.78	117	162371	19.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	158530	16.827	ug/l	97
40) Benzene	8.04	78	465360	19.666	ug/l	98
41) Methacrylonitrile	7.18	41	47724	18.617	ug/l	94
42) 1,2-Dichloroethane	8.13	62	154580	20.401	ug/l	99
43) Isopropyl Acetate	8.17	43	179761	21.454	ug/l	95
44) Trichloroethene	8.84	130	120320	19.144	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131320	20.416	ug/l	99
46) Dibromomethane	9.21	93	74035	20.370	ug/l	96
47) Bromodichloromethane	9.40	83	162699	20.229	ug/l	98
48) Methyl methacrylate	9.20	41	81862	19.596	ug/l	99
49) 1,4-Dioxane	9.20	88	20867	407.586	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	478171	103.768	ug/l	98
52) Toluene	10.16	92	281236	19.124	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	145372	17.903	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	171792	18.244	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104869	20.178	ug/l	98
56) Ethyl methacrylate	10.43	69	120276	18.928	ug/l	97
57) 1,3-Dichloropropane	10.71	76	176951	19.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	307711	102.561	ug/l	99
59) 2-Hexanone	10.75	43	289678	96.972	ug/l	96
60) Dibromochloromethane	10.90	129	118076	19.255	ug/l	99
61) 1,2-Dibromoethane	11.01	107	98890	19.601	ug/l	98
64) Tetrachloroethene	10.63	164	114516	20.568	ug/l	98
65) Chlorobenzene	11.43	112	300221	19.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	120027	20.015	ug/l	99
67) Ethyl Benzene	11.51	91	488427	18.413	ug/l	99
68) m/p-Xylenes	11.62	106	383302	37.357	ug/l	99
69) o-Xylene	11.95	106	180980	18.348	ug/l	97
70) Styrene	11.96	104	288049	18.429	ug/l	99
71) Bromoform	12.13	173	79224	19.470	ug/l #	98
73) Isopropylbenzene	12.25	105	487125	18.969	ug/l	100
74) N-amyl acetate	12.07	43	128308	19.914	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	125522	20.962	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	104015m	20.587	ug/l	
77) Bromobenzene	12.53	156	125233	19.264	ug/l	97
78) n-propylbenzene	12.59	91	548543	18.954	ug/l	99
79) 2-Chlorotoluene	12.68	91	336261	19.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	401470	19.173	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27678	16.845	ug/l	96
82) 4-Chlorotoluene	12.77	91	328457	18.996	ug/l	99
83) tert-Butylbenzene	12.99	119	360045	19.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	409084	19.388	ug/l	99
85) sec-Butylbenzene	13.17	105	483888	19.191	ug/l	99
86) p-Isopropyltoluene	13.29	119	405858	18.603	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	214179	19.039	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	203712	18.820	ug/l	99
89) n-Butylbenzene	13.62	91	307789	17.156	ug/l	99
90) Hexachloroethane	13.87	117	84150	19.358	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	208413	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18166	21.257	ug/l	93

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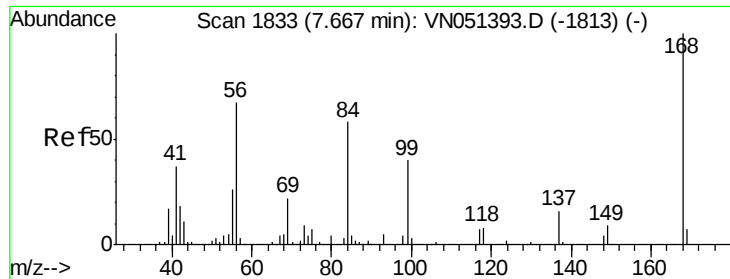
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84567	18.633	ug/l	99
94) Hexachlorobutadiene	15.01	225	74763	18.103	ug/l	100
95) Naphthalene	15.13	128	143289	18.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	90337	17.246	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion:168 Resp: 471877

Ion Ratio Lower Upper

168 100

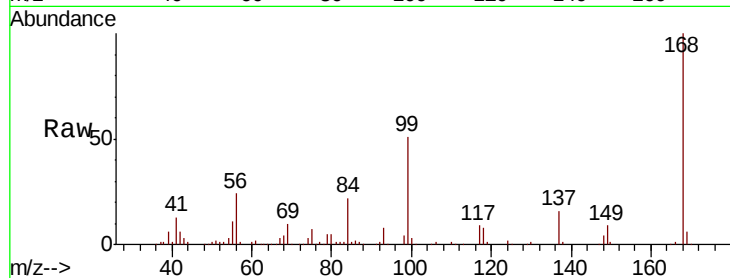
99 50.7 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

100000

50000

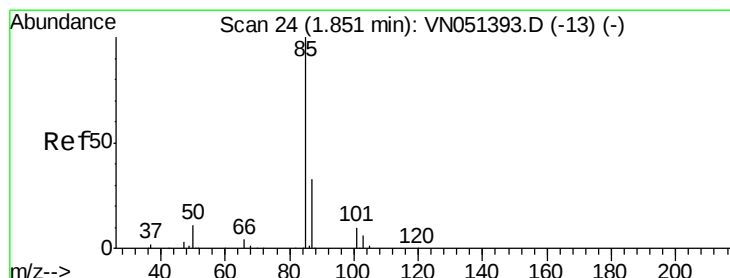
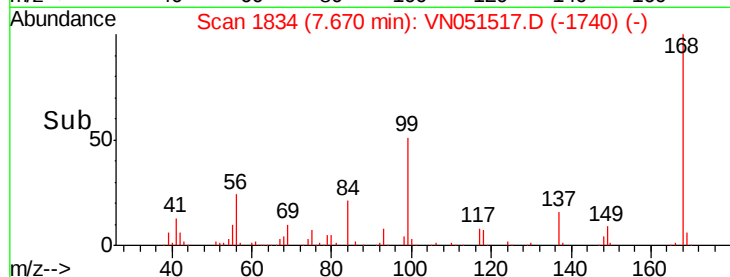
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.271 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051517.D

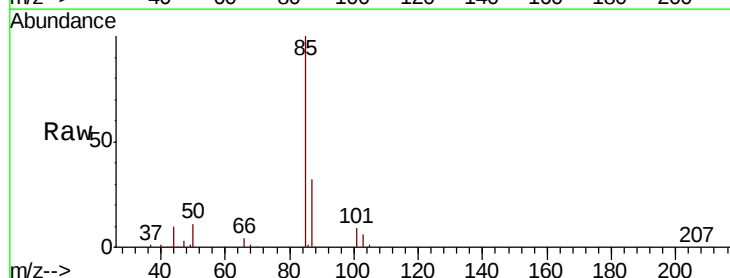
Acq: 26 Sep 2018 6:14

Tgt Ion: 85 Resp: 80438

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

40000

20000

0

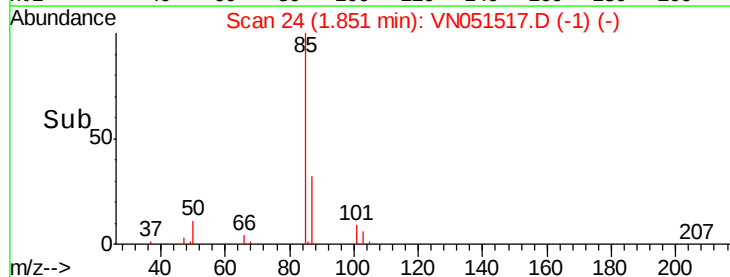
1.80

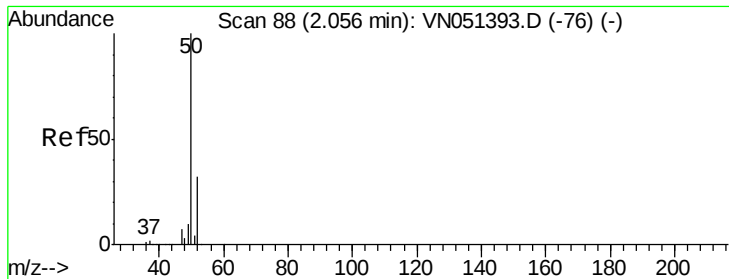
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.470 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 50 Resp: 136445

Ion Ratio Lower Upper

50 100

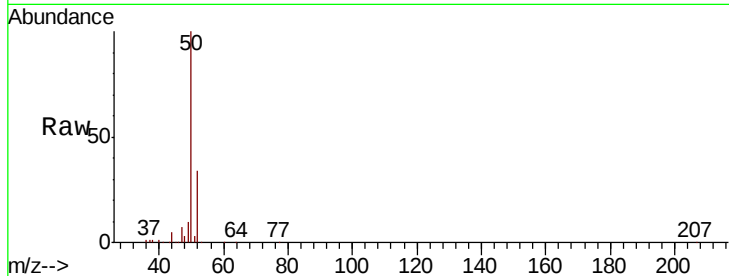
52 34.1 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

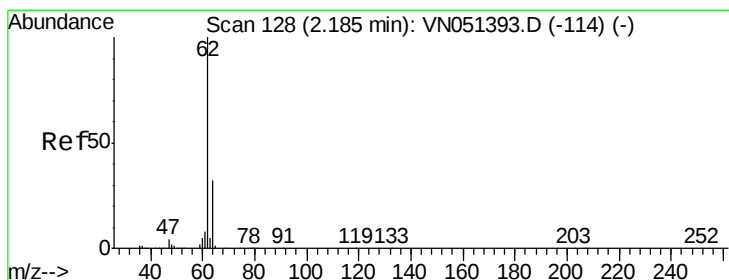
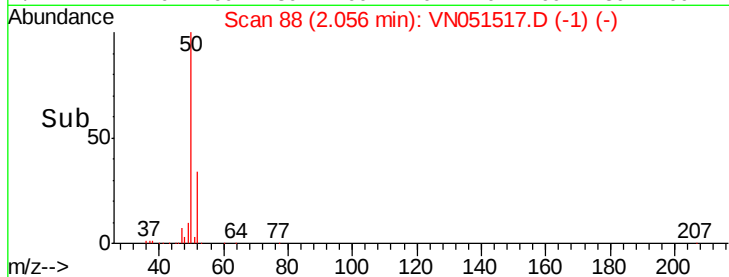
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.223 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051517.D

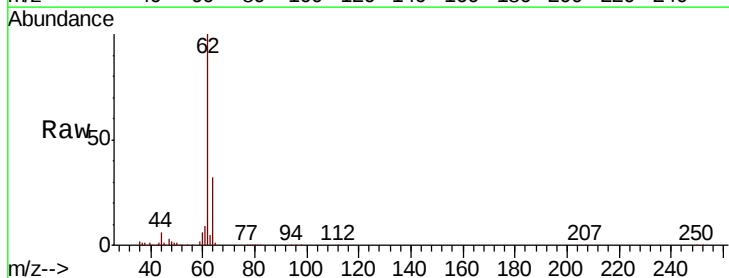
Acq: 26 Sep 2018 6:14

Tgt Ion: 62 Resp: 148686

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

120000

100000

80000

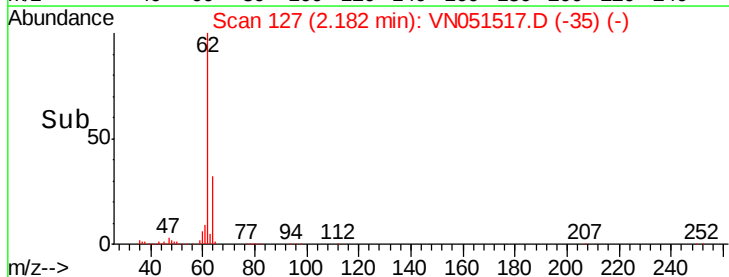
60000

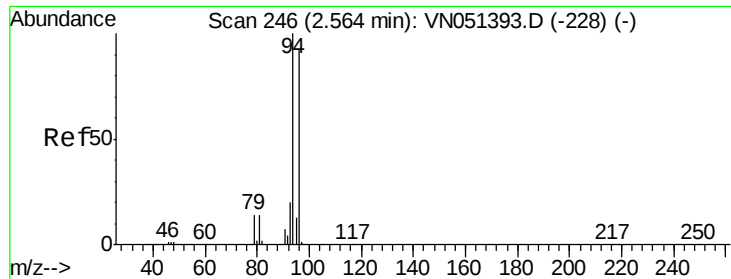
40000

20000

0

Time-->





#5

Bromomethane

Concen: 15.667 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 72433

Ion Ratio Lower Upper

94 100

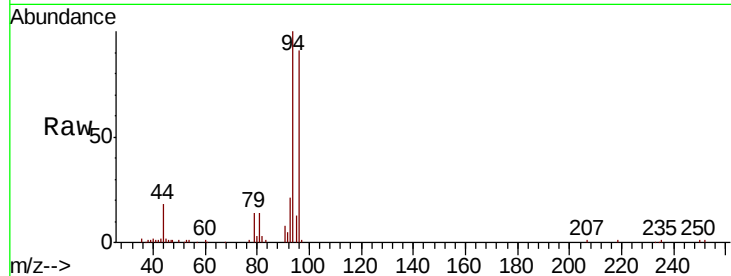
96 90.6 73.6 110.4

Manual Integrations

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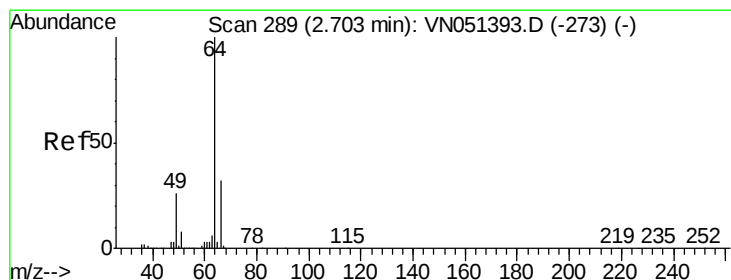
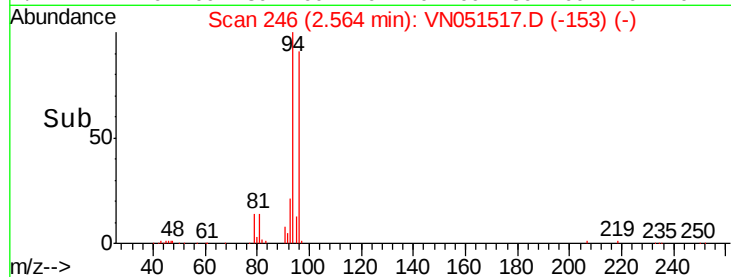
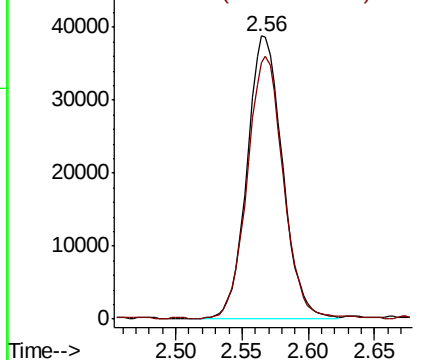
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.068 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051517.D

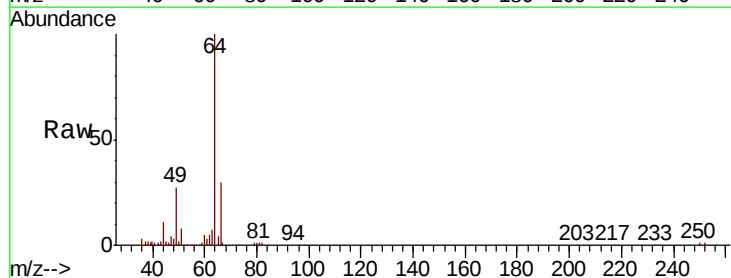
Acq: 26 Sep 2018 6:14

Tgt Ion: 64 Resp: 96720

Ion Ratio Lower Upper

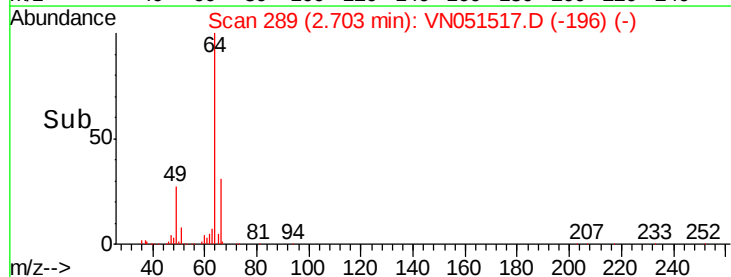
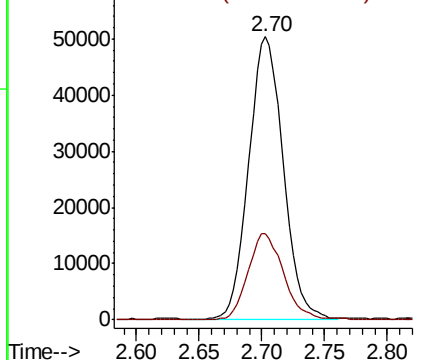
64 100

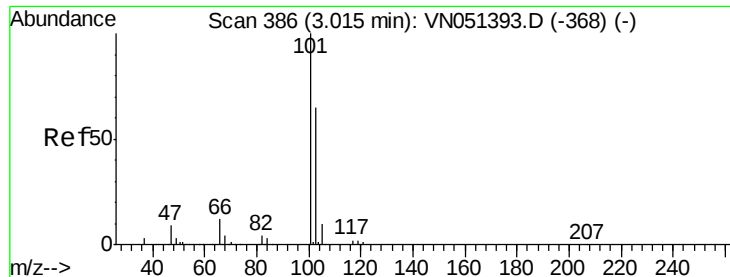
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

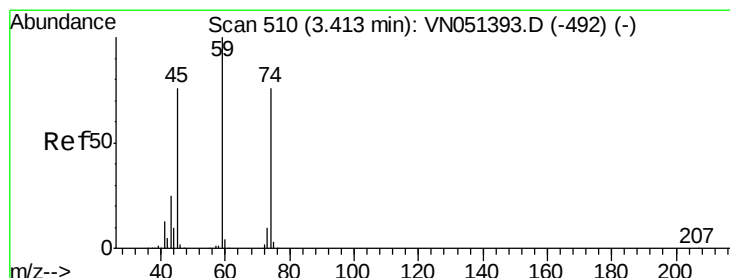
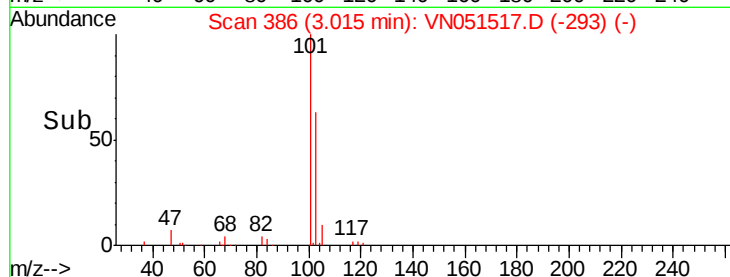
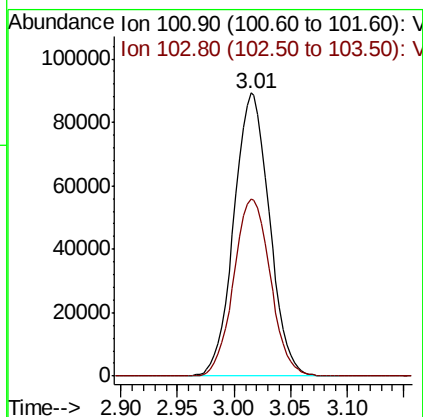
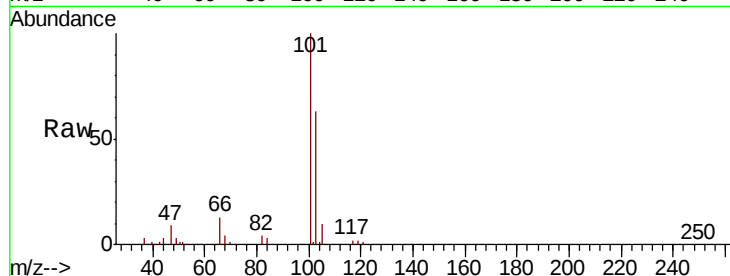
Trichlorofluoromethane
 Concen: 19.283 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	195364		
103	62.5	51.8	77.8	

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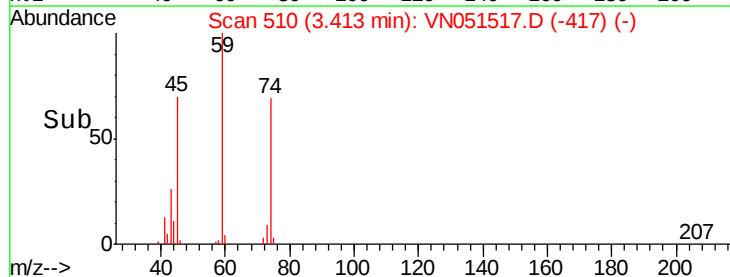
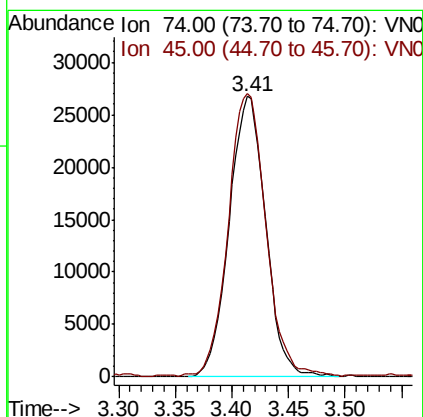
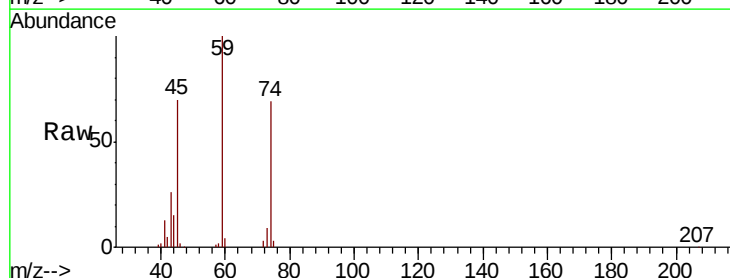
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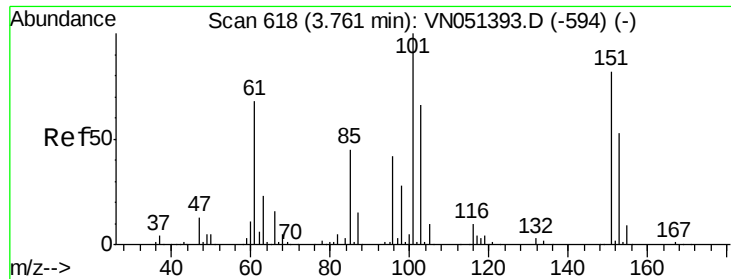


#8

Diethyl Ether
 Concen: 17.044 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59947		
45	105.1	50.2	150.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.945 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

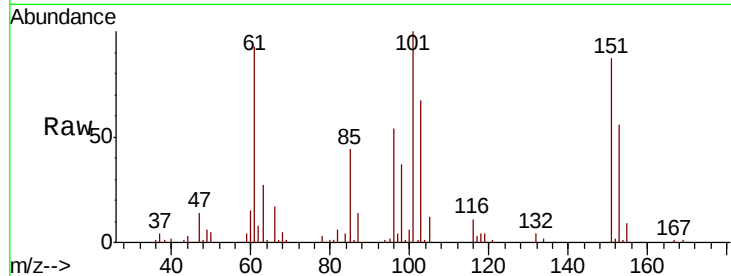
ClientSampleId :

VN0926WBS02

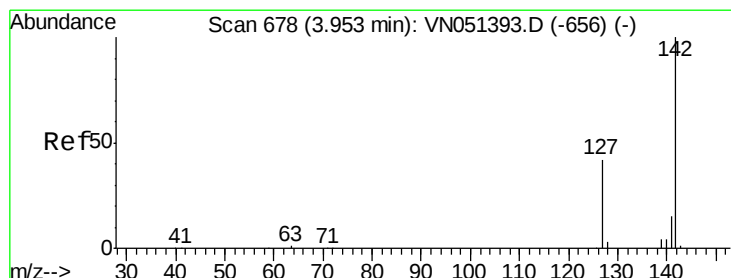
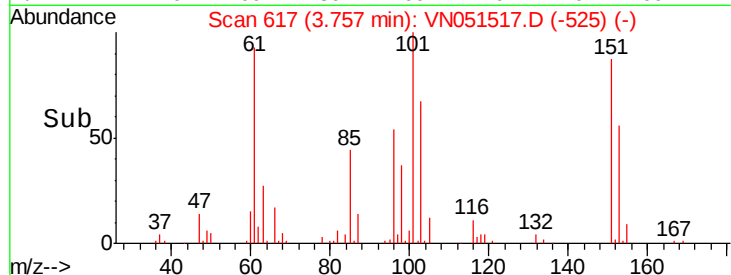
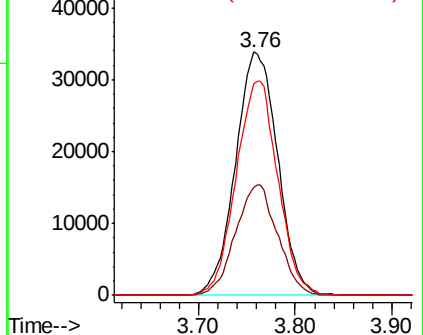
Tgt Ion:	101	Resp:	102609
Ion Ratio	Lower	Upper	
101	100		
85	45.1	33.9	50.9
151	87.0	65.2	97.8

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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



#10

Methyl Iodide

Concen: 12.810 ug/l

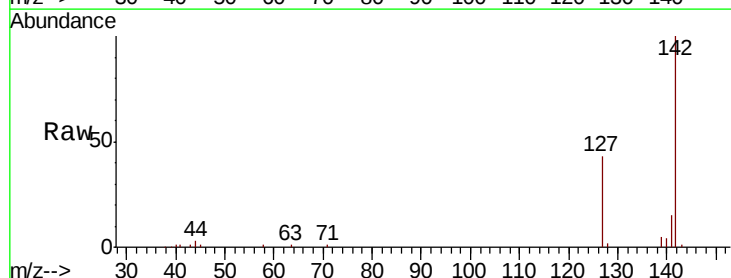
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

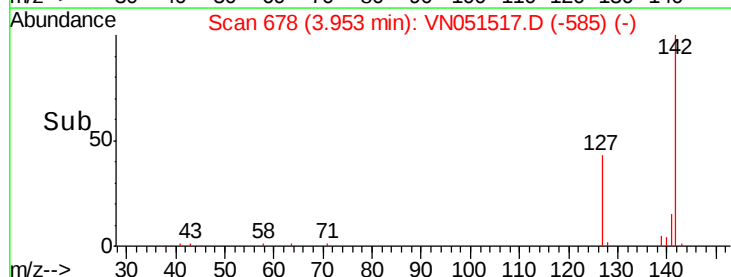
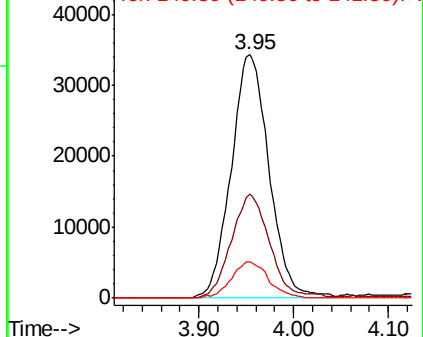
Lab File: VN051517.D

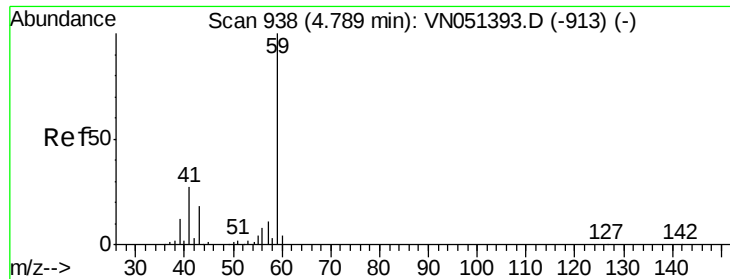
Acq: 26 Sep 2018 6:14

Tgt Ion:	142	Resp:	95732
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.2	49.8
141	14.6	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

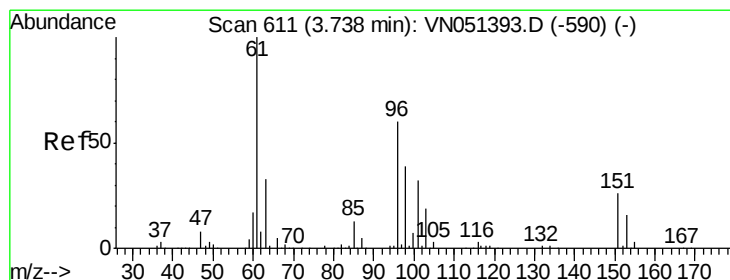
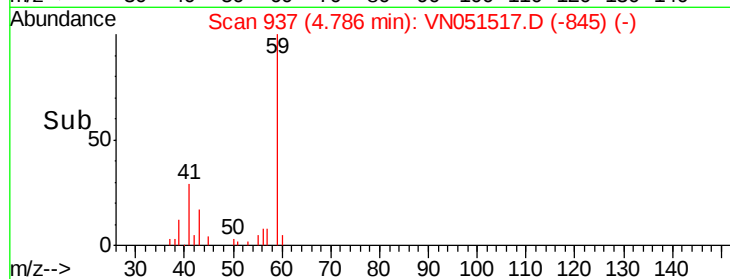
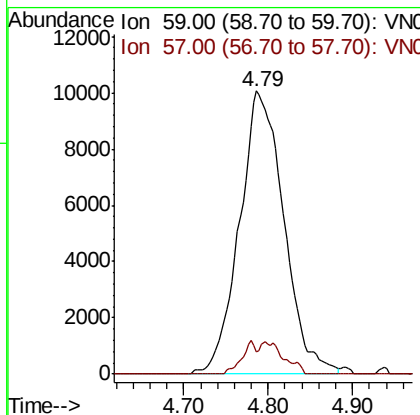
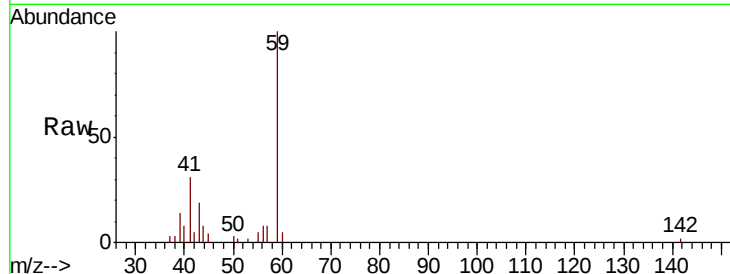
Tert butyl alcohol
 Concen: 110.147 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.2	9.2#

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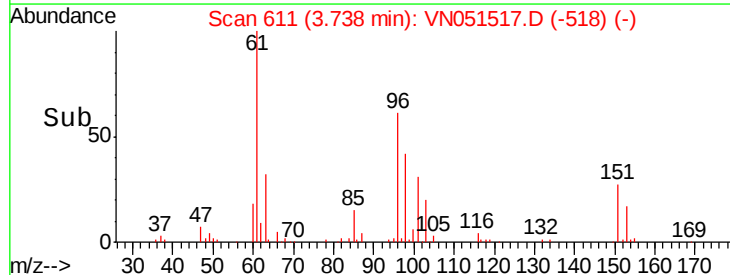
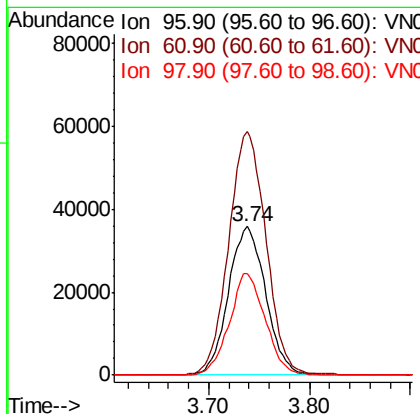
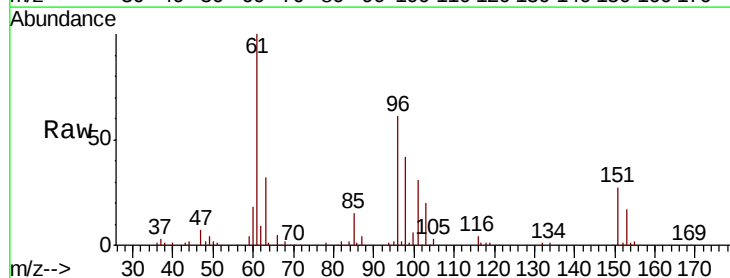
mmdadoda
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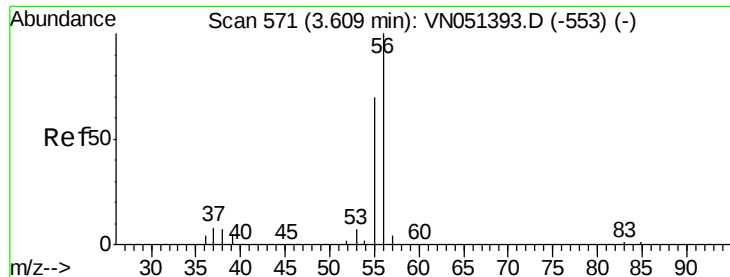


#12

1,1-Dichloroethene
 Concen: 17.541 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	133.6	200.4
98	68.6	52.2	78.2





#13

Acrolein

Concen: 79.919 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 56 Resp: 26475

Ion Ratio Lower Upper

56 100

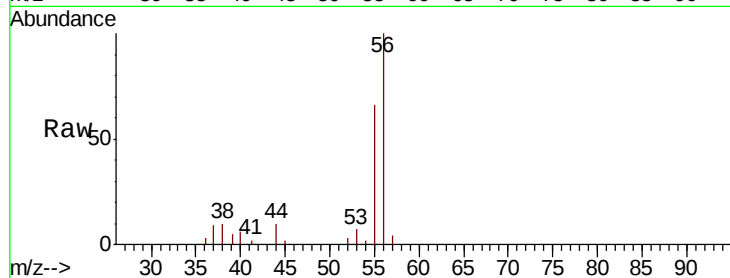
55 66.8 57.8 86.8

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

2000

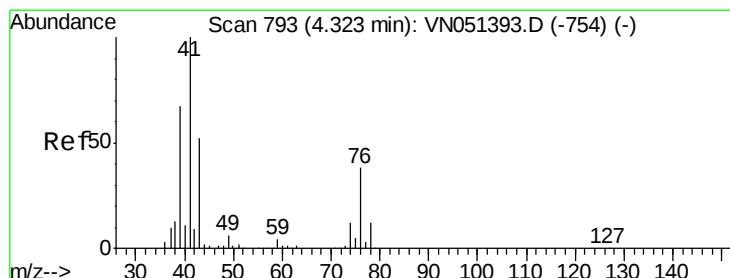
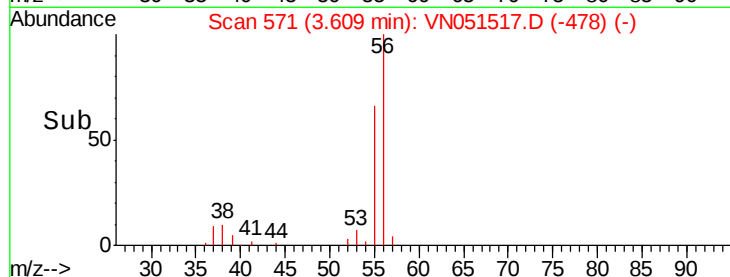
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.116 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

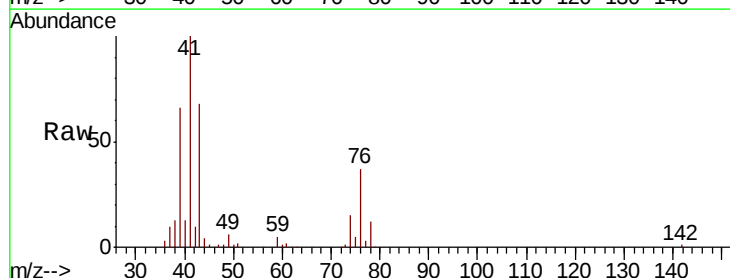
Tgt Ion: 41 Resp: 159577

Ion Ratio Lower Upper

41 100

39 63.6 51.4 77.2

76 34.3 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

40000

20000

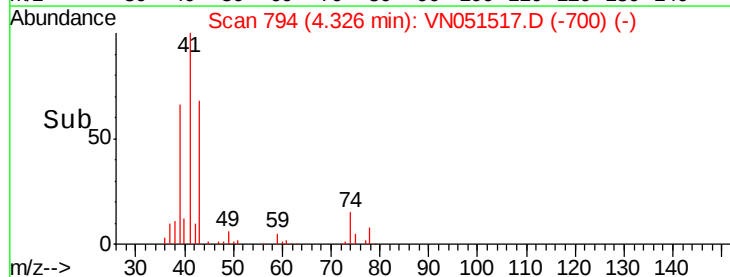
0

Time-->

4.20

4.30

4.40





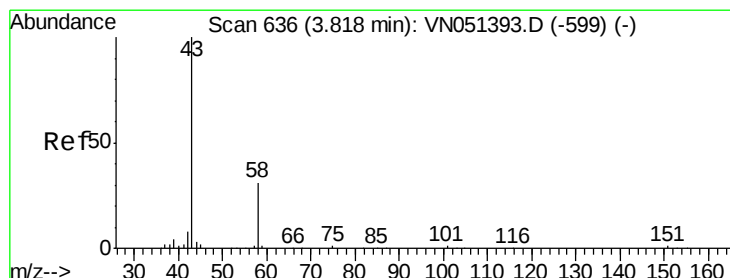
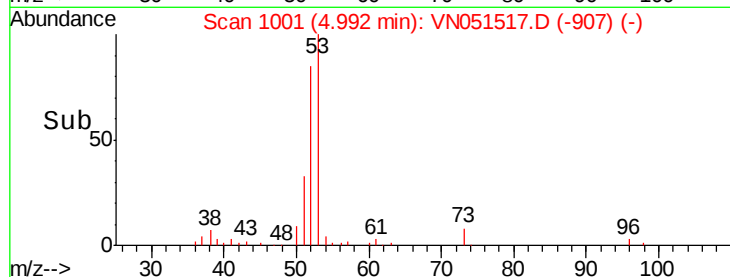
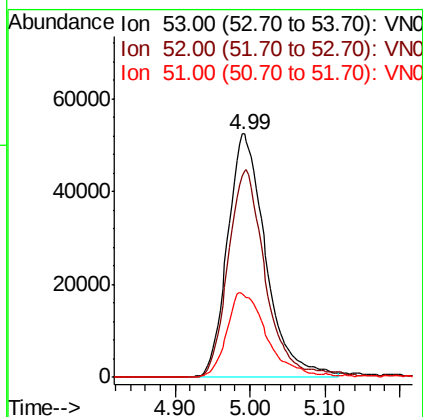
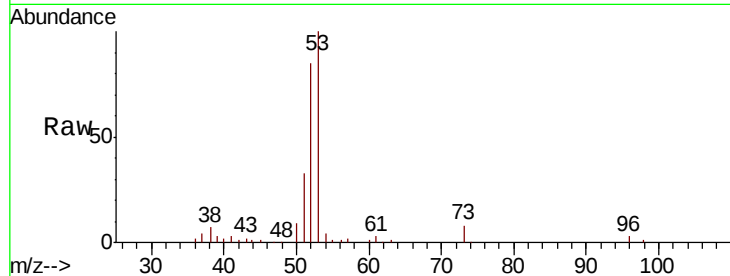
#15
 Acrylonitrile
 Concen: 102.404 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.3	28.6	42.8

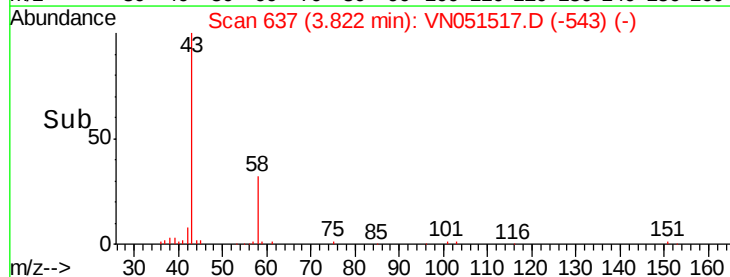
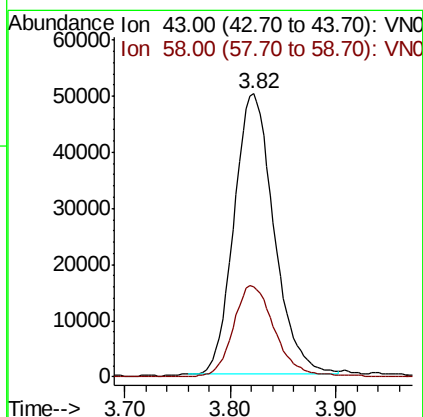
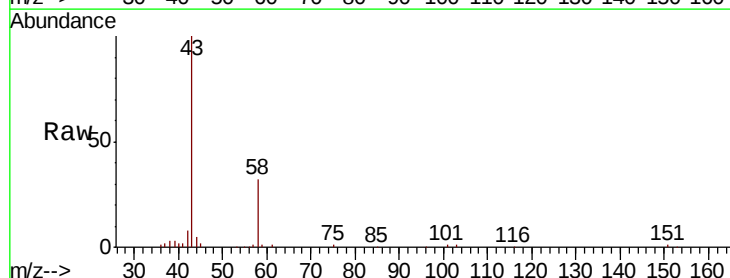
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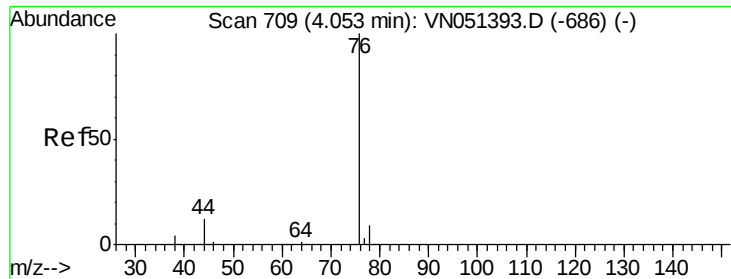
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#16
 Acetone
 Concen: 84.175 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.0	37.4





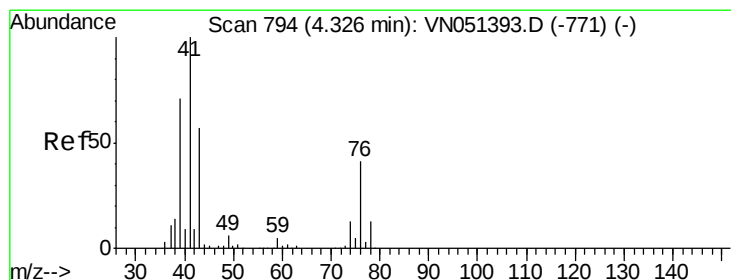
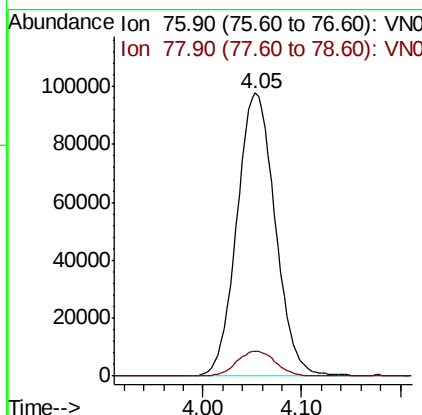
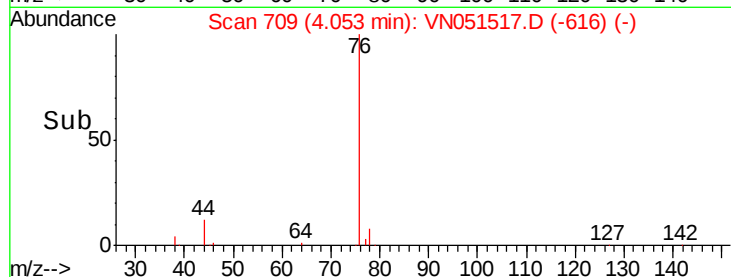
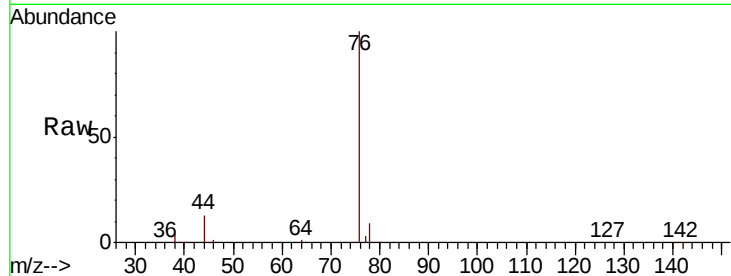
#17
Carbon Disulfide
Concen: 17.023 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

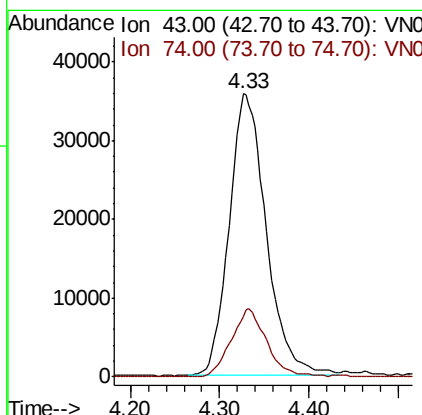
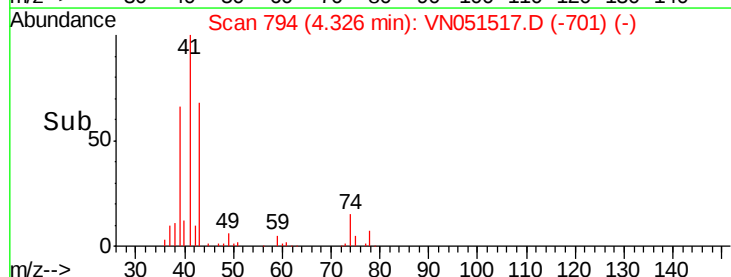
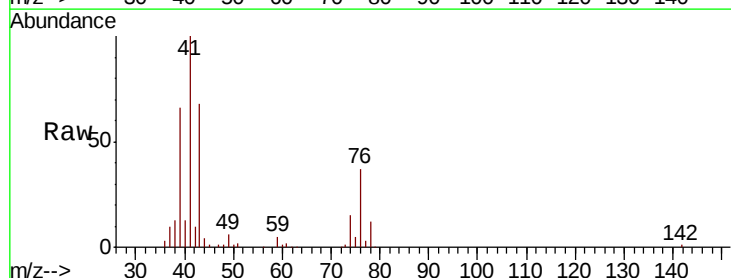
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#18
Methyl Acetate
Concen: 22.957 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





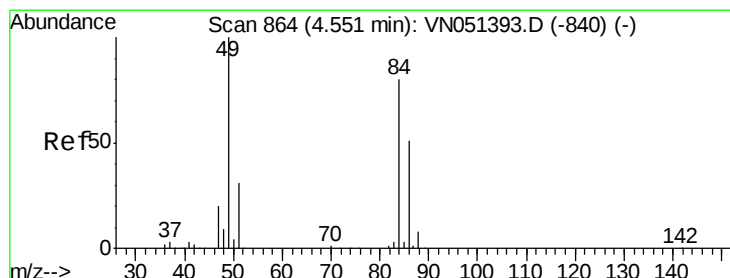
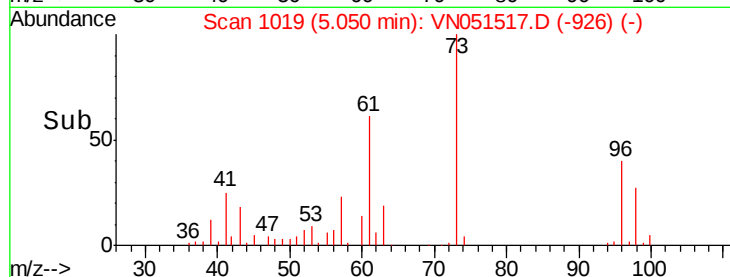
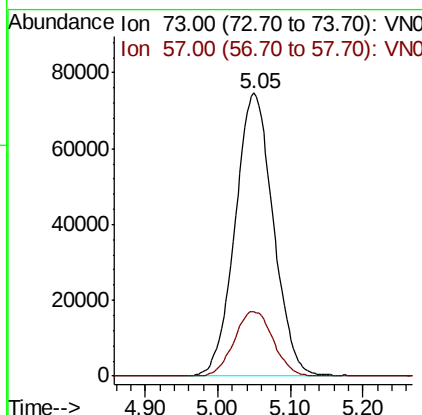
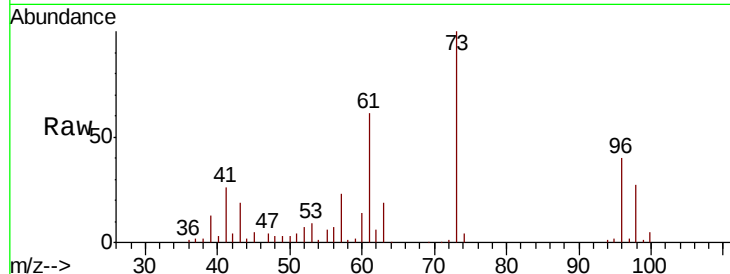
#19
Methyl tert-butyl Ether
Concen: 20.169 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion: 73 Resp: 273064
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

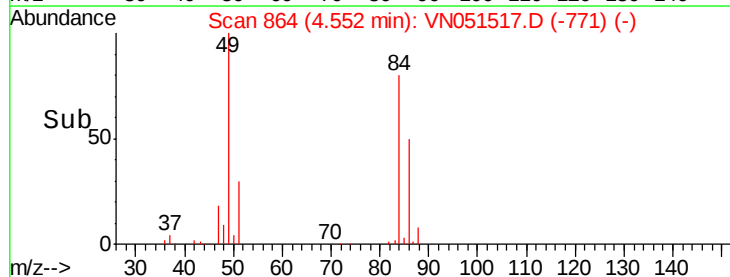
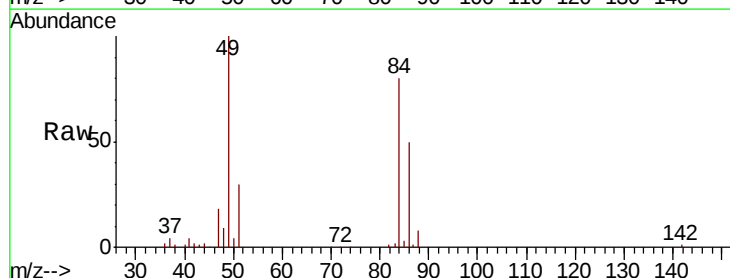
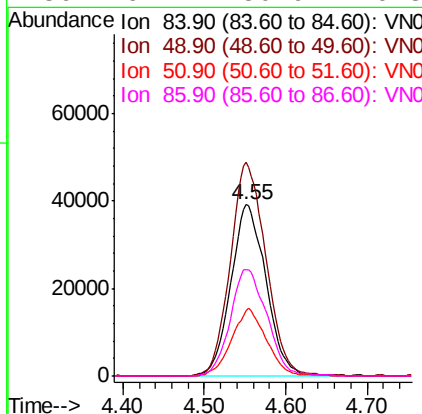
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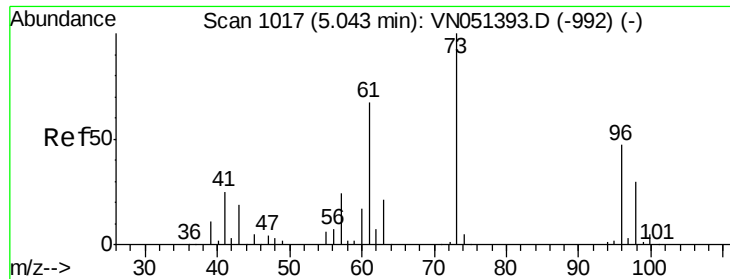
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#20
Methylene Chloride
Concen: 20.110 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion: 84 Resp: 117632
Ion Ratio Lower Upper
84 100
49 124.6 99.9 149.9
51 37.9 31.4 47.2
86 62.2 50.9 76.3





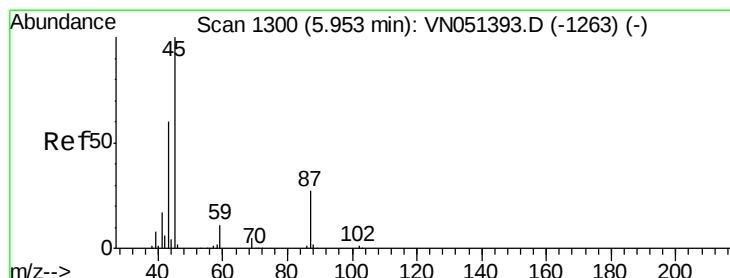
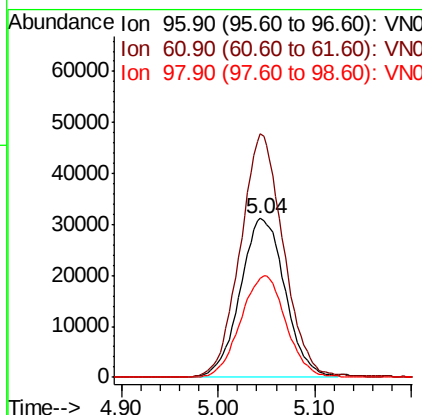
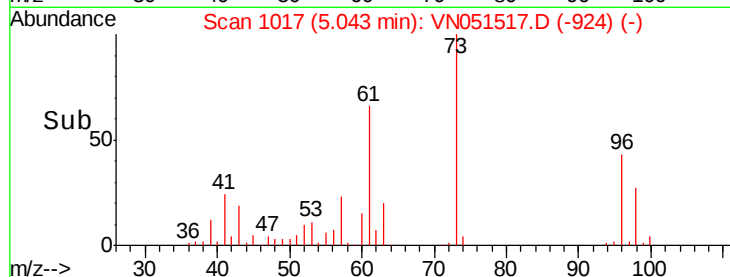
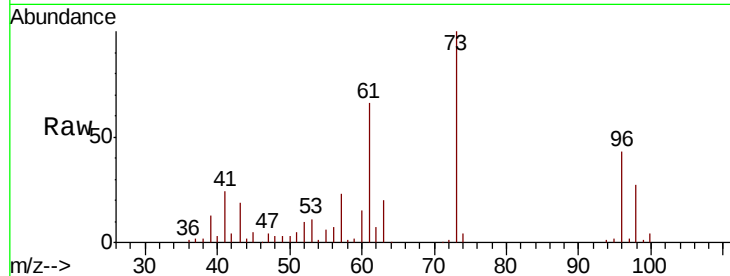
#21
trans-1,2-Dichloroethene
Concen: 18.673 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	113.4	170.2
98	62.1	51.1	76.7

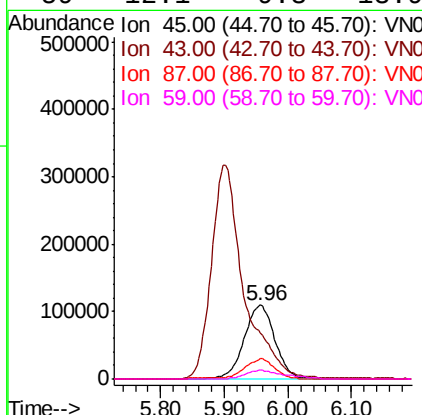
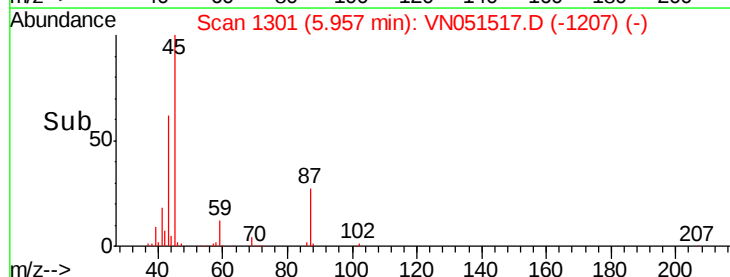
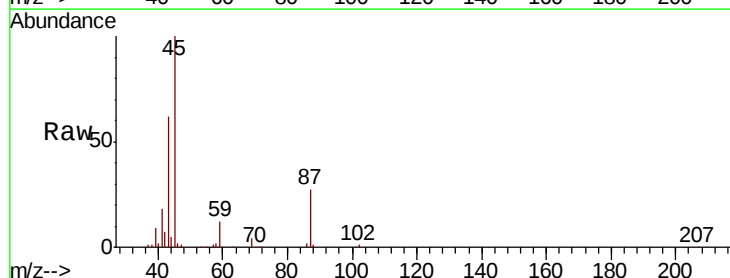
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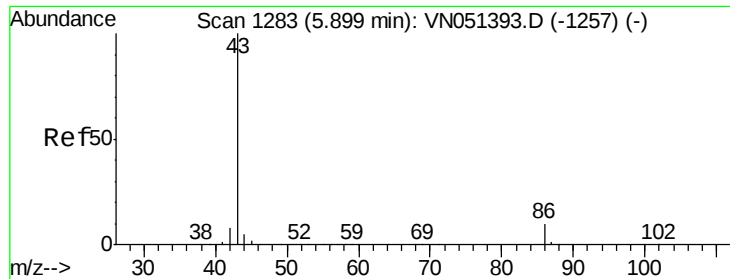
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#22
Diisopropyl ether
Concen: 21.684 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.7	71.5
87	27.0	22.0	33.0
59	12.1	9.3	13.9





#23

Vinyl Acetate

Concen: 100.463 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 43 Resp: 1123025

Ion Ratio Lower Upper

43 100

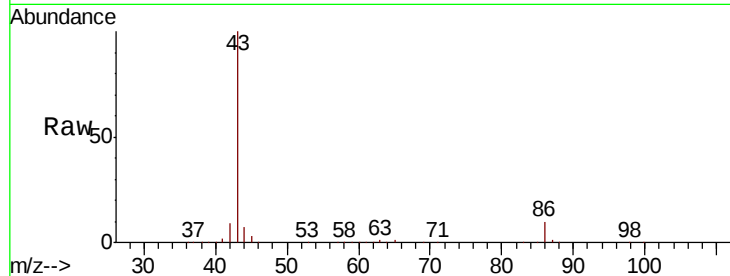
86 10.4 8.2 12.2

Manual Integrations

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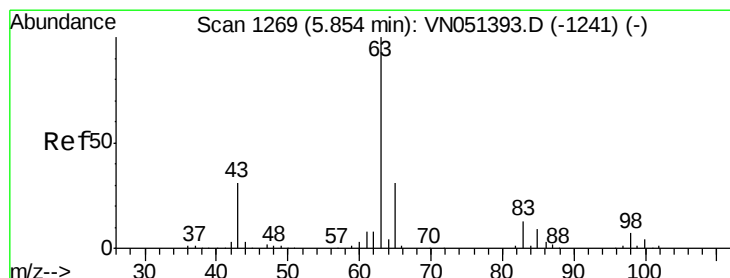
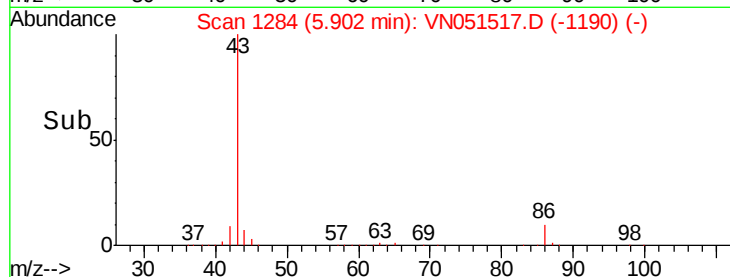
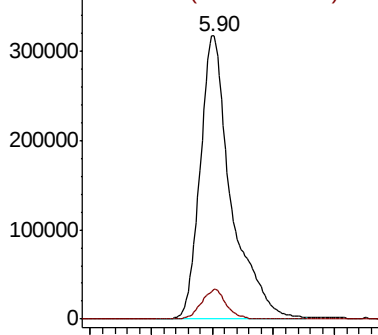
mmdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.169 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

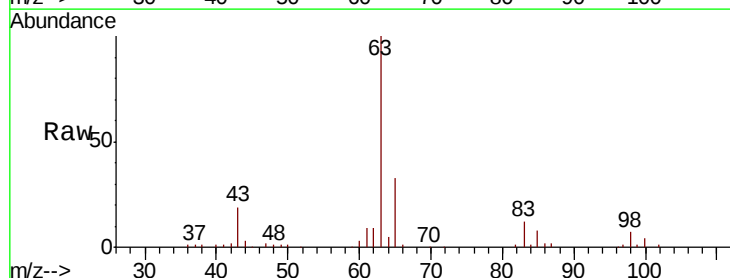
Tgt Ion: 63 Resp: 215060

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

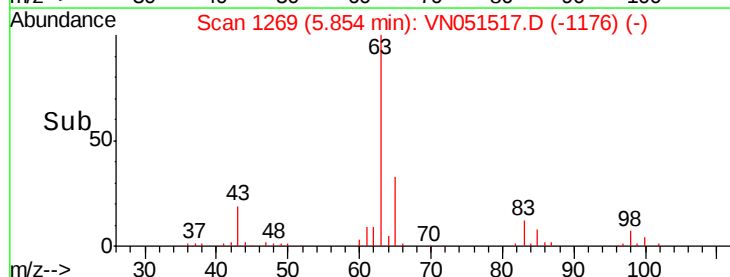
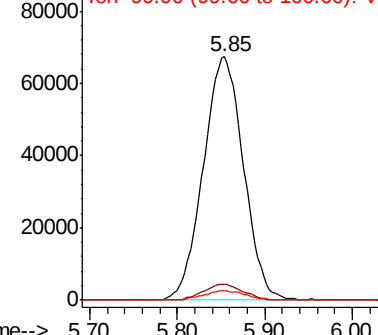
100 4.1 2.2 6.6

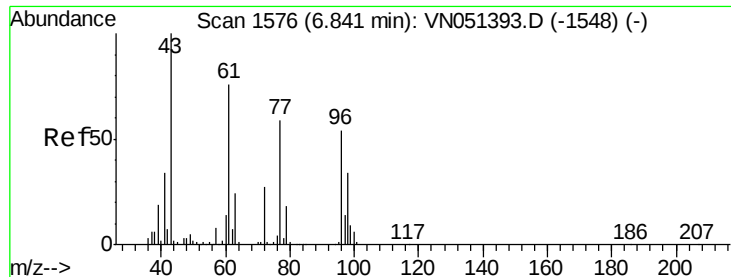


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.759 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 43 Resp: 203857

Ion Ratio Lower Upper

43 100

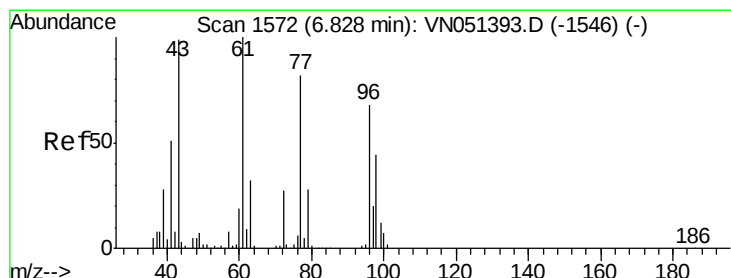
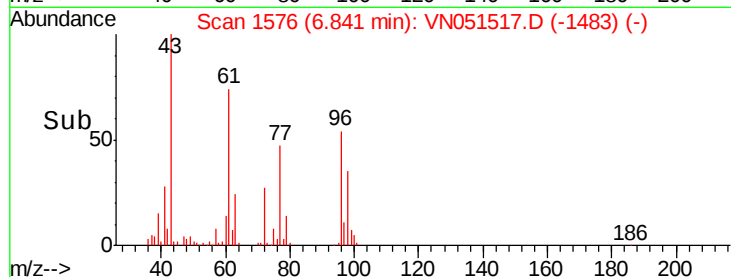
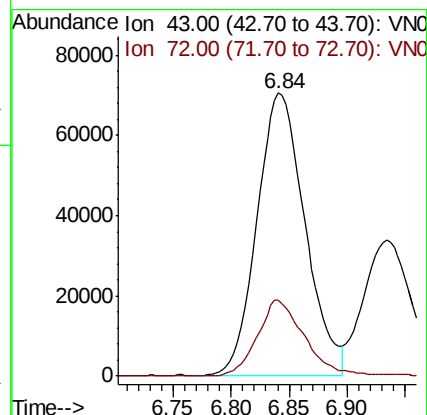
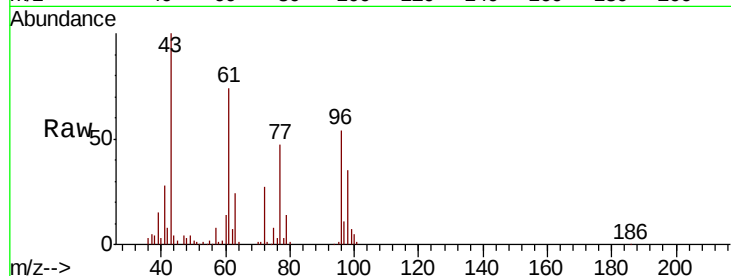
72 26.9 21.8 32.6

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#26

2,2-Dichloropropane

Concen: 15.264 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051517.D

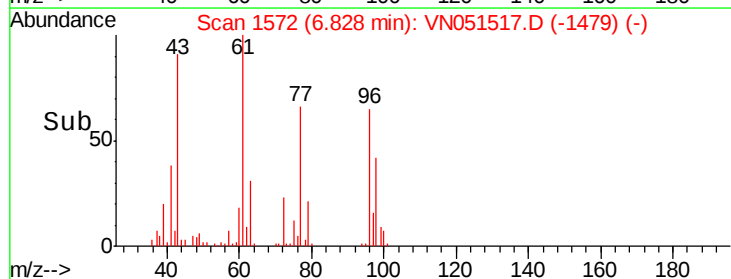
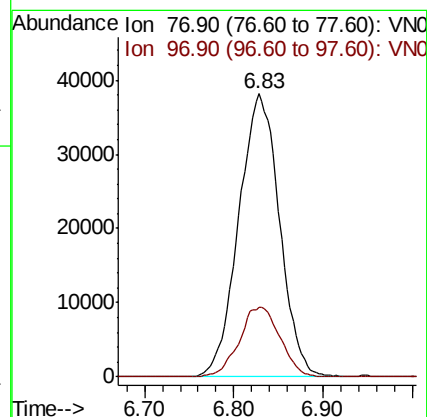
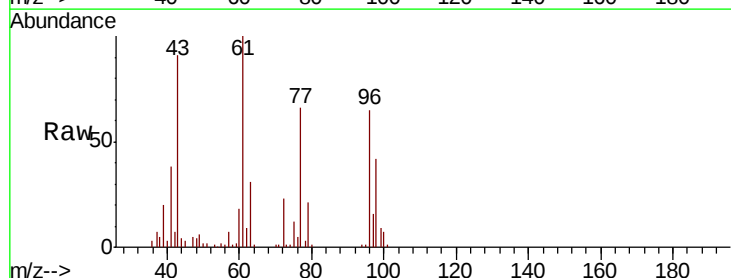
Acq: 26 Sep 2018 6:14

Tgt Ion: 77 Resp: 121045

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.970 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

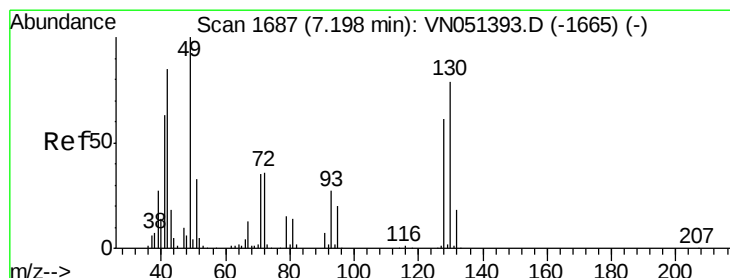
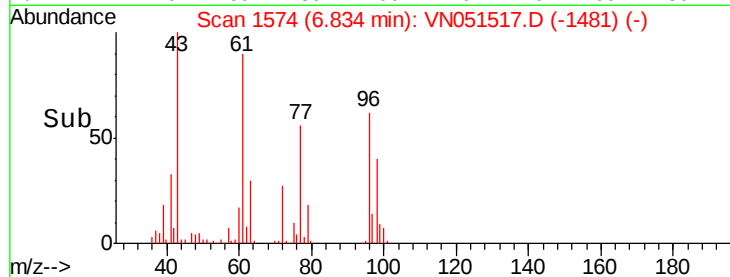
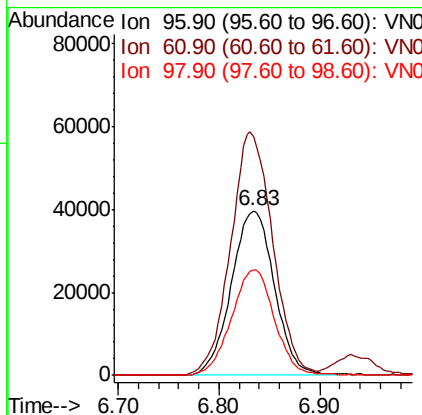
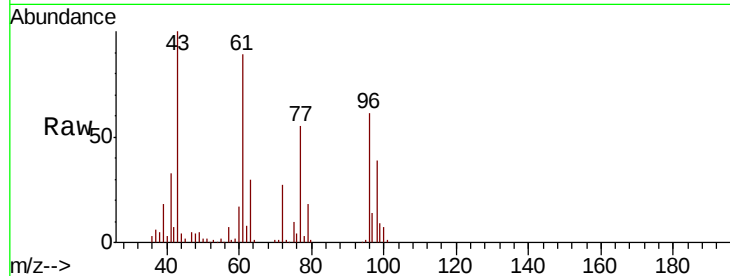
ClientSampleId :

VN0926WBS02

Tgt Ion:	96	Resp:	117688
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	291.4
98	64.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.239 ug/l

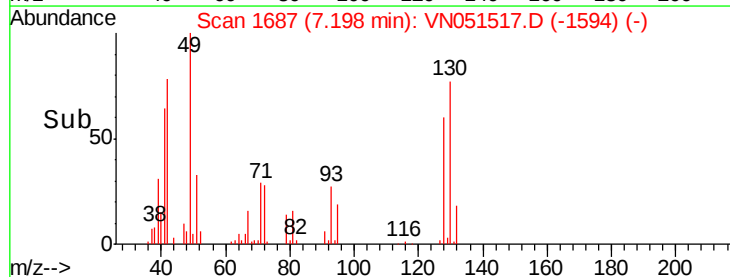
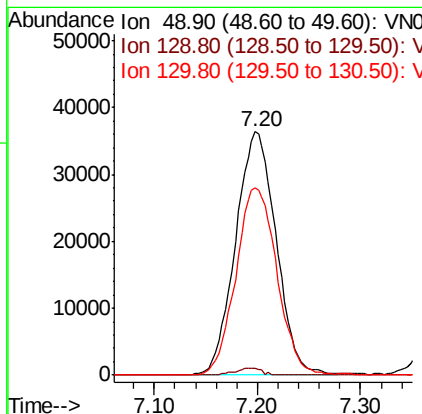
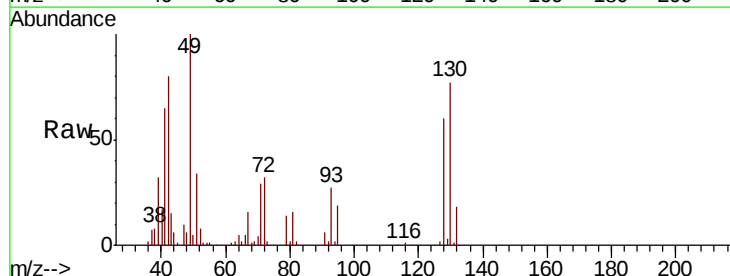
RT: 7.20 min Scan# 1687

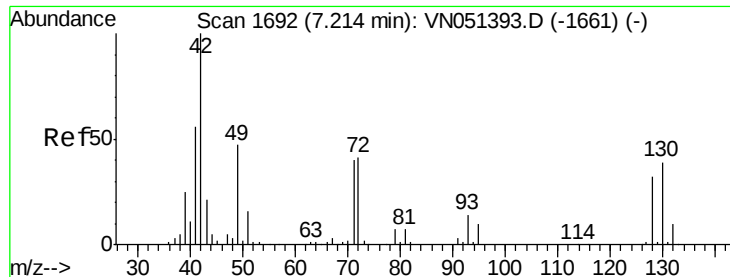
Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Tgt Ion:	49	Resp:	99644
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	77.5	63.0	94.4





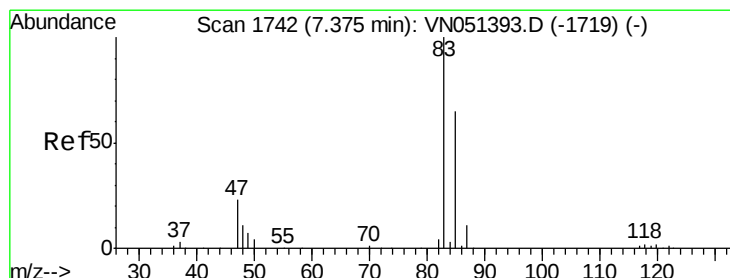
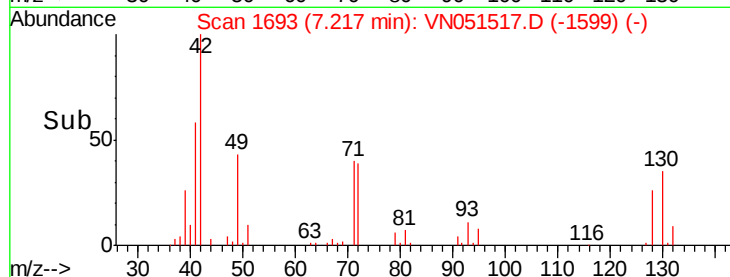
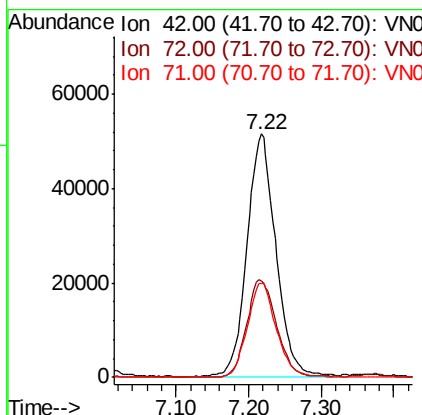
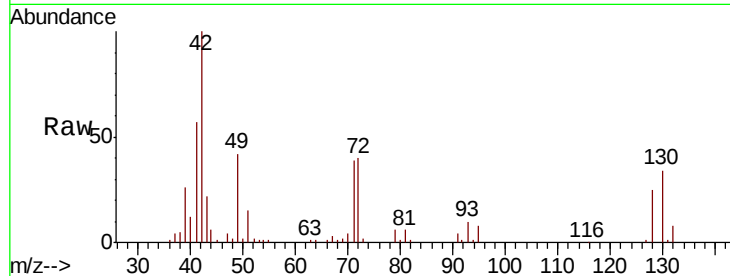
#29
Tetrahydrofuran
Concen: 112.417 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.3	51.5
71	38.4	32.2	48.4

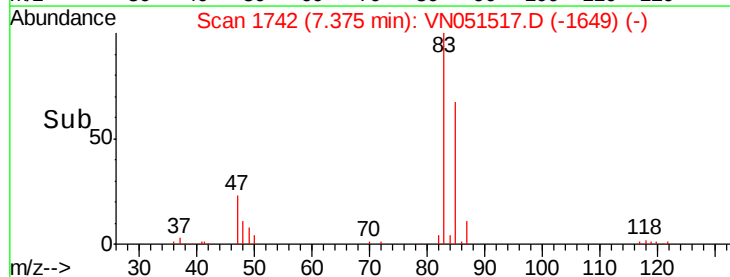
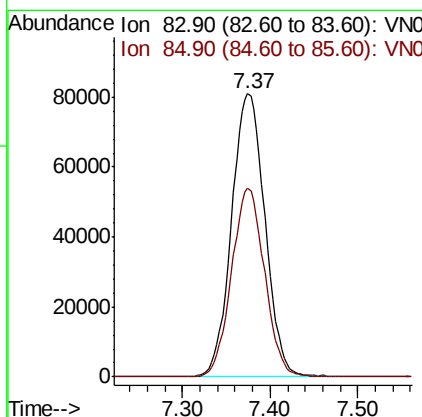
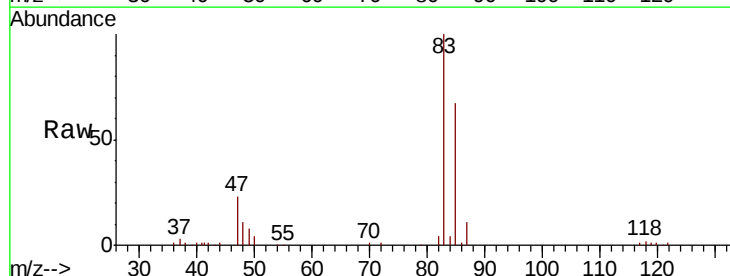
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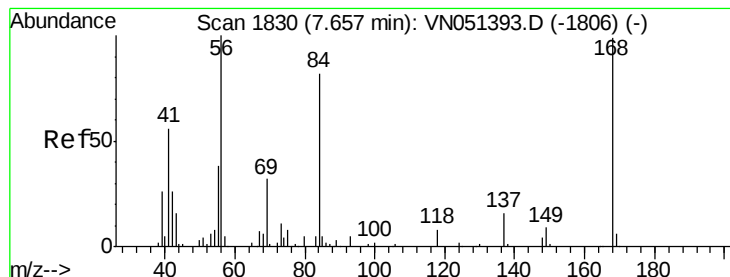
mmdadoda
9/30/2018 9:54:37 AM



#30
Chloroform
Concen: 21.302 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.6





#31

Cyclohexane

Concen: 18.617 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 56 Resp: 173282

Ion Ratio Lower Upper

56 100

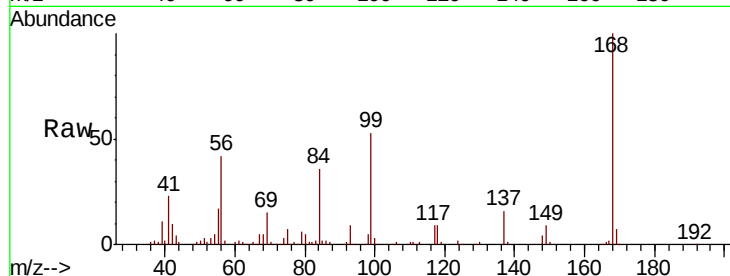
69 36.2 25.8 38.6

84 83.9 66.0 99.0

Manual Integrations
APPROVED

mmdadoda

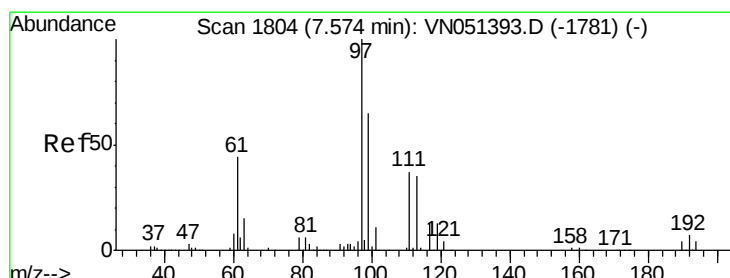
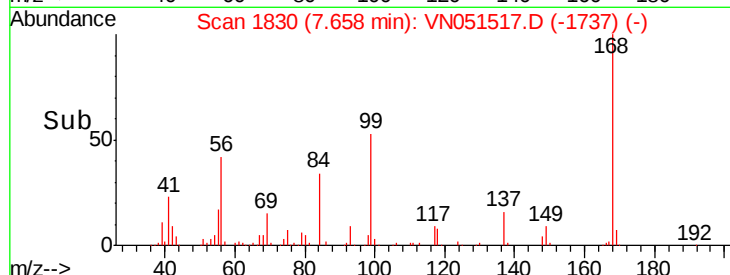
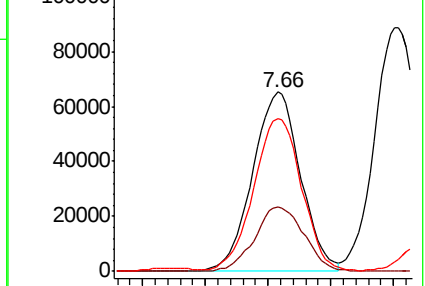
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.158 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

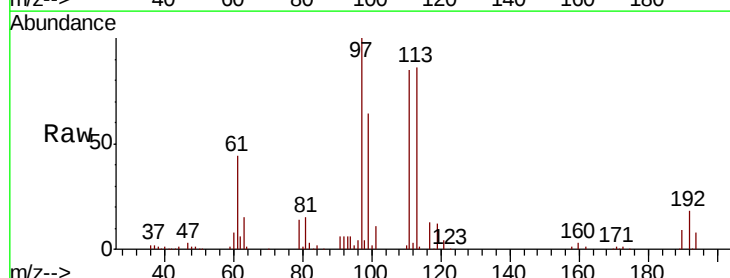
Tgt Ion: 97 Resp: 182081

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

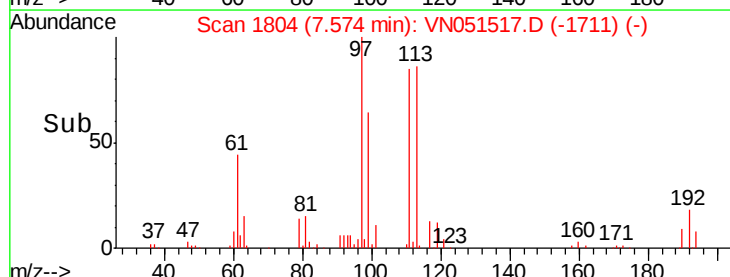
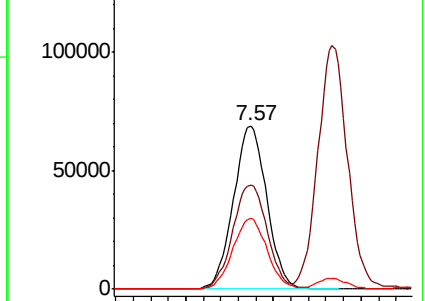
61 44.5 35.8 53.8

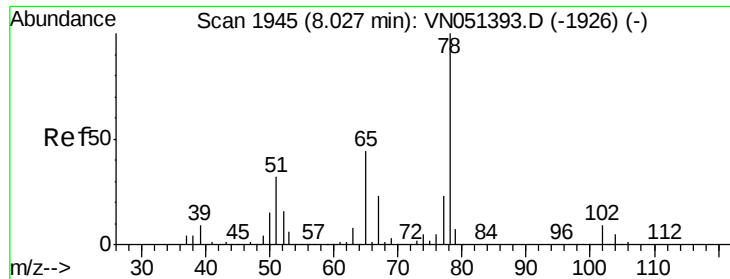


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





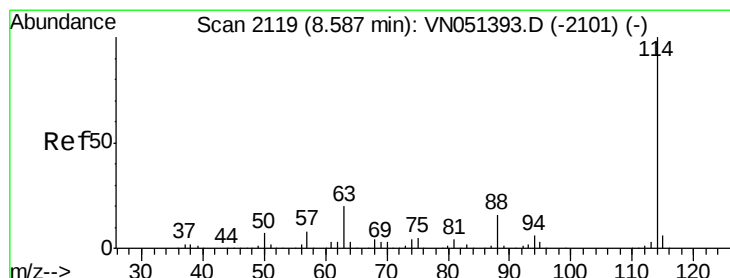
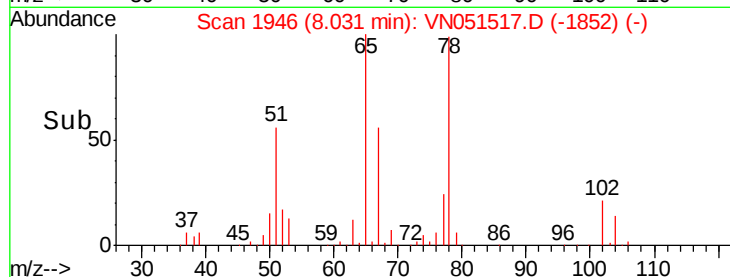
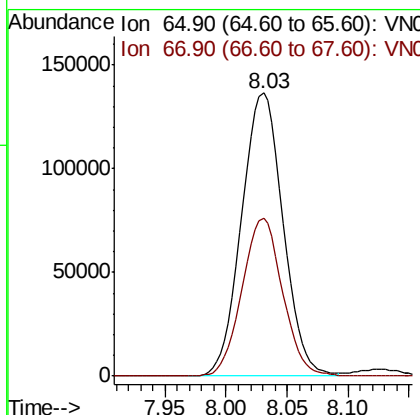
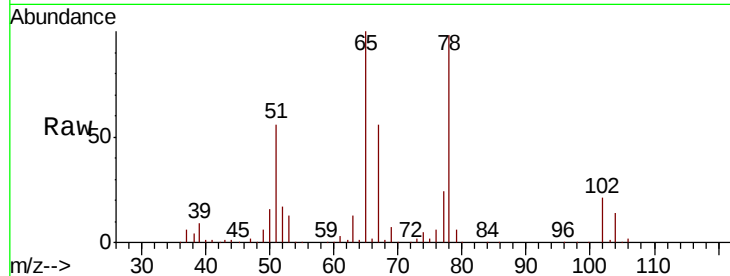
#33
 1,2-Dichloroethane-d4
 Concen: 54.315 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion: 65 Resp: 321060
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.8

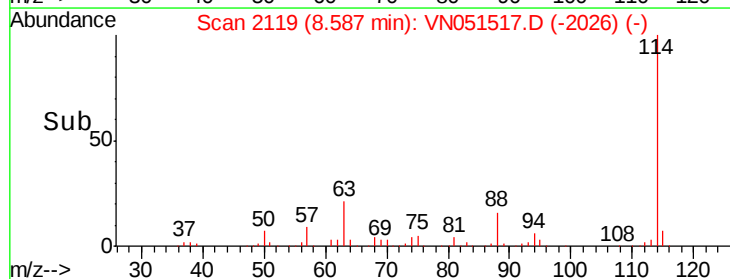
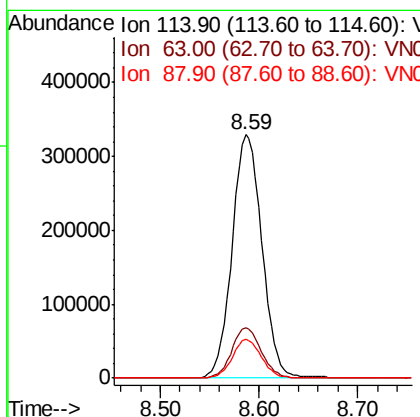
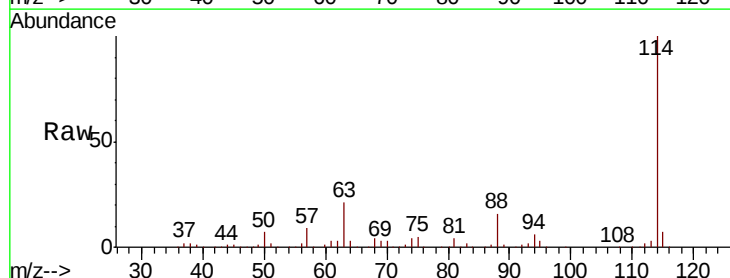
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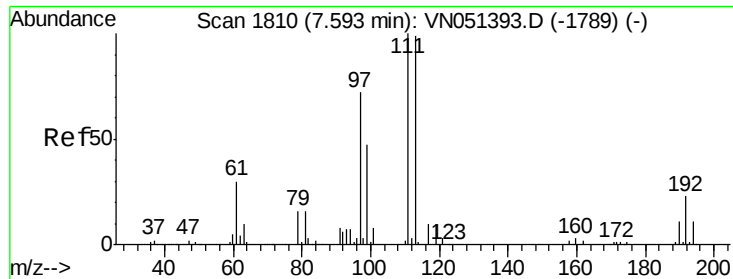
mmdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion: 114 Resp: 695932
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.9 0.0 31.4





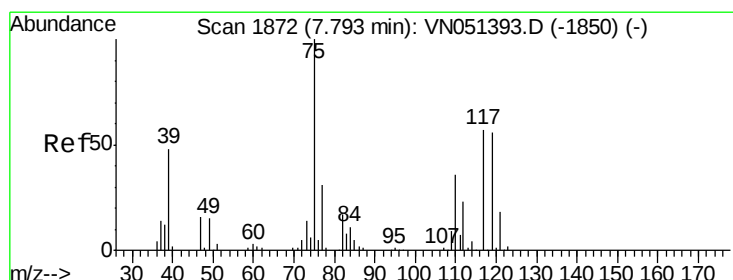
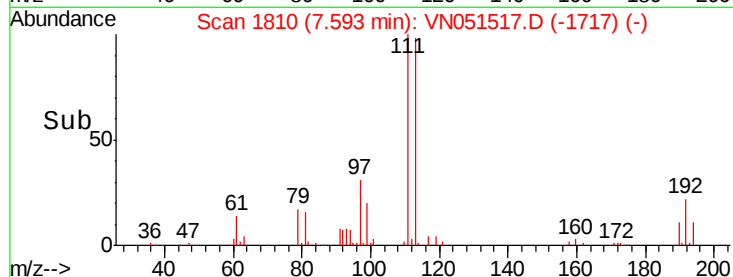
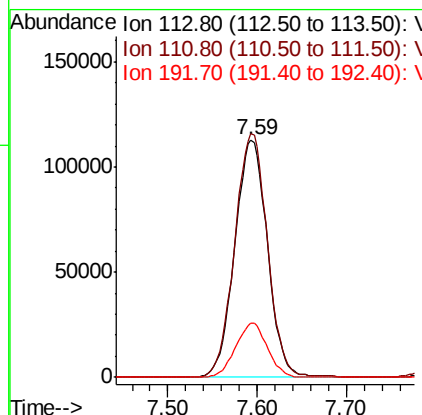
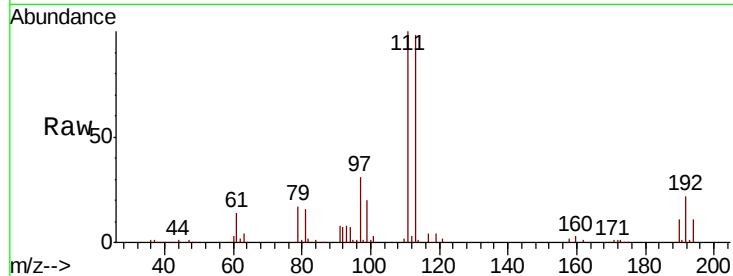
#35
Dibromofluoromethane
Concen: 51.635 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	287354		
111	102.9	82.6	123.8	
192	22.2	18.0	27.0	

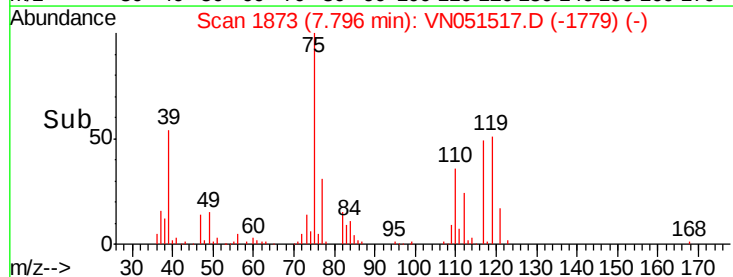
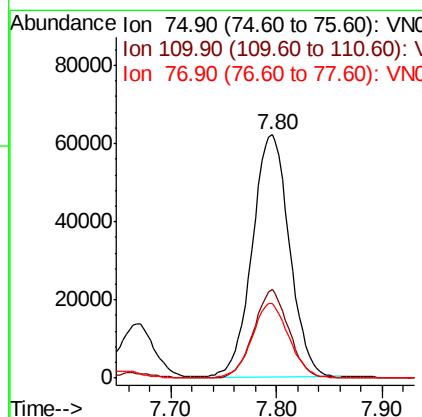
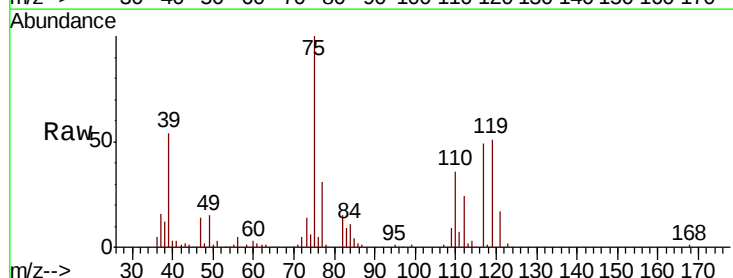
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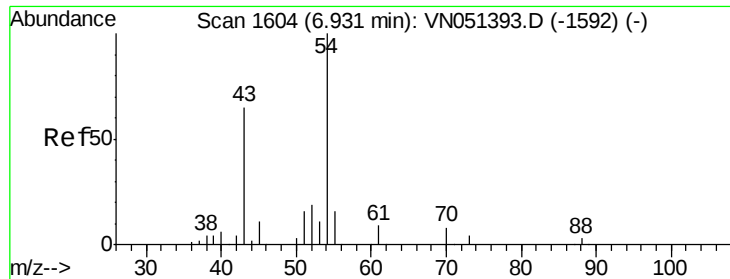
mmdadoda
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#36
1,1-Dichloropropene
Concen: 18.987 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153015		
110	34.3	18.1	54.3	
77	30.9	25.6	38.4	





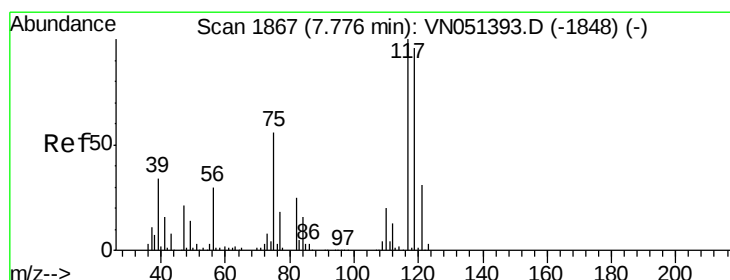
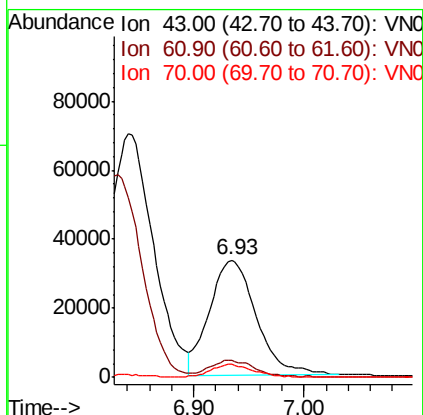
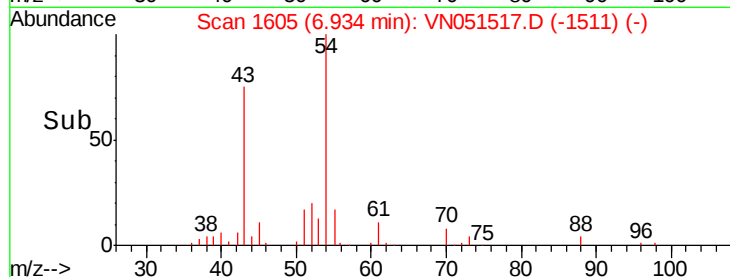
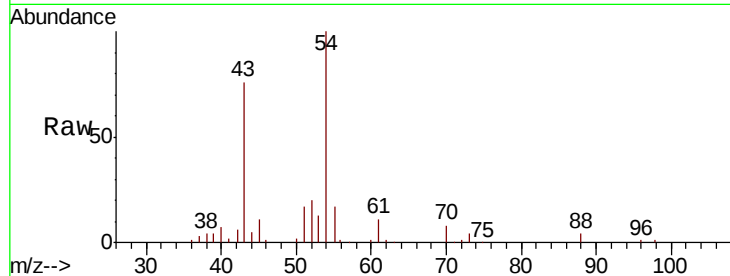
#37
Ethyl Acetate
Concen: 21.209 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	10.4	7.9	11.9

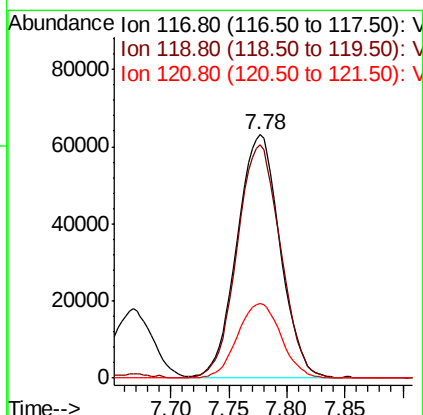
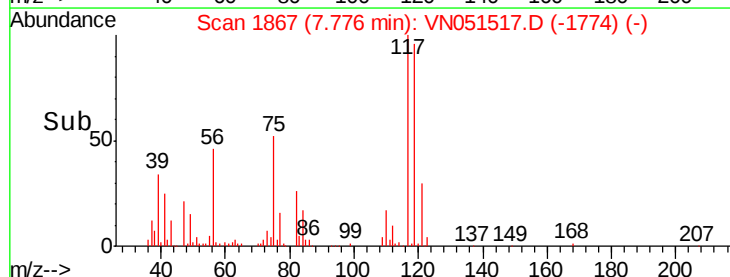
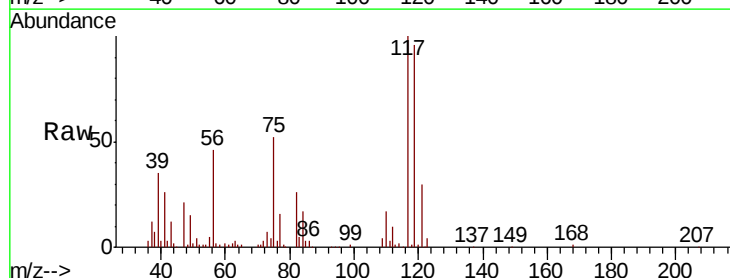
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#38
Carbon Tetrachloride
Concen: 19.263 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.9	115.3
121	30.6	24.6	37.0





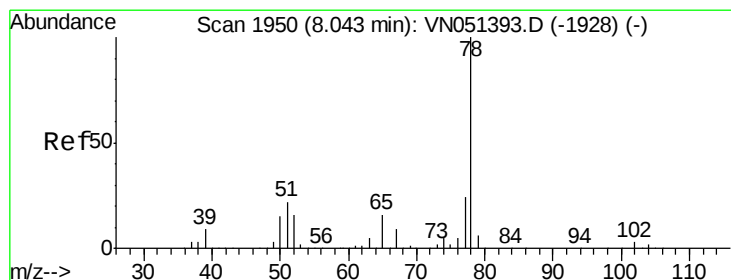
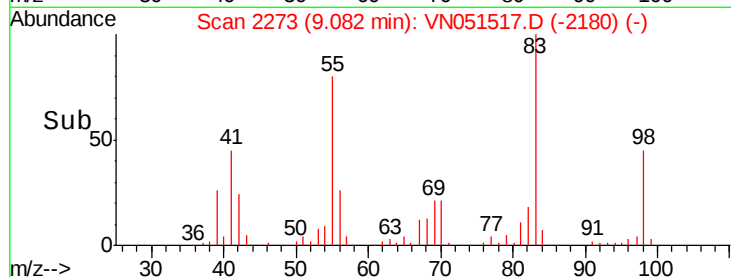
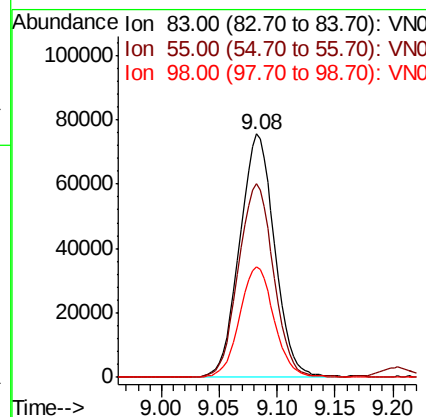
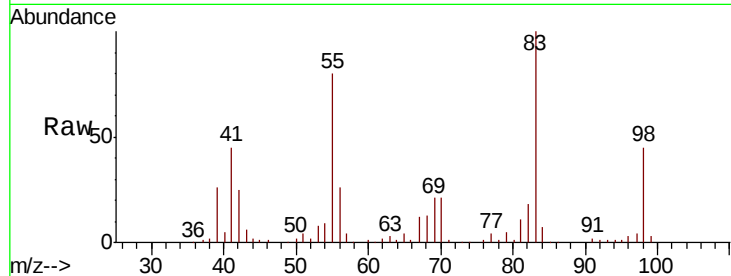
#39
Methylcyclohexane
Concen: 16.827 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	79.8	61.0	91.4
98	45.4	35.6	53.4

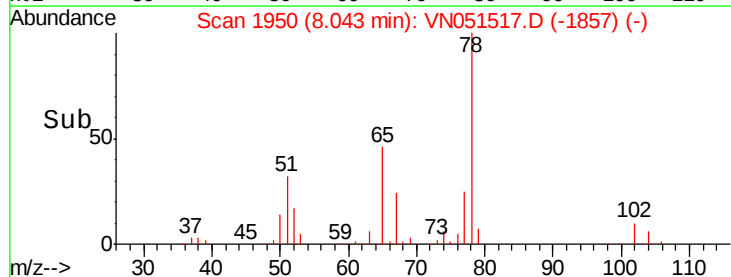
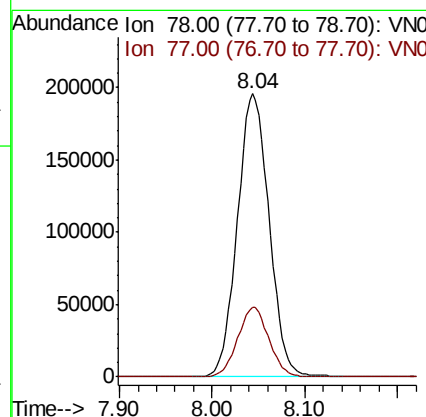
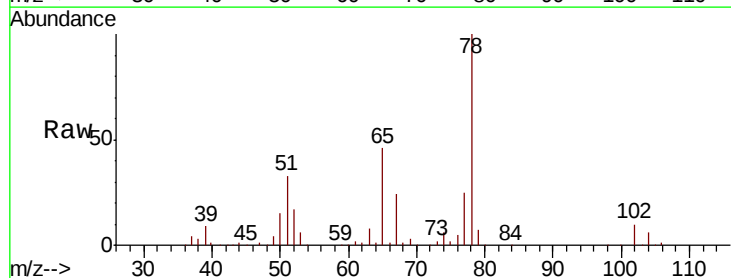
Manual Integrations
APPROVED

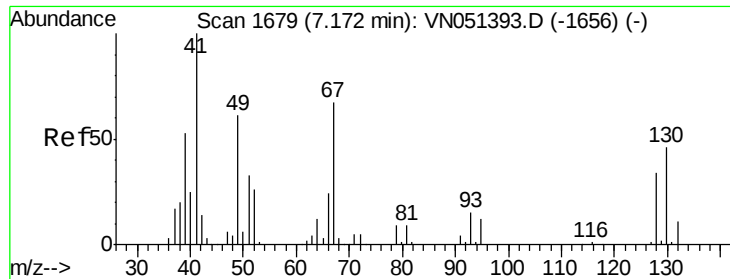
mmdadoda
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#40
Benzene
Concen: 19.666 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	24.8	19.2	28.8





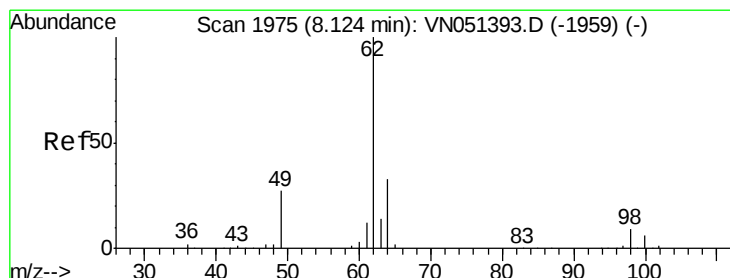
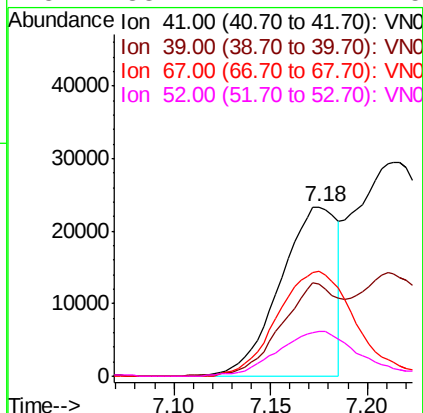
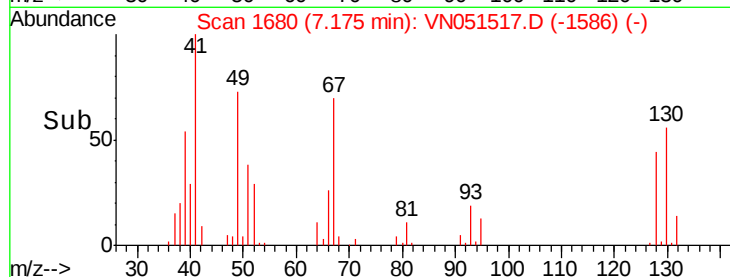
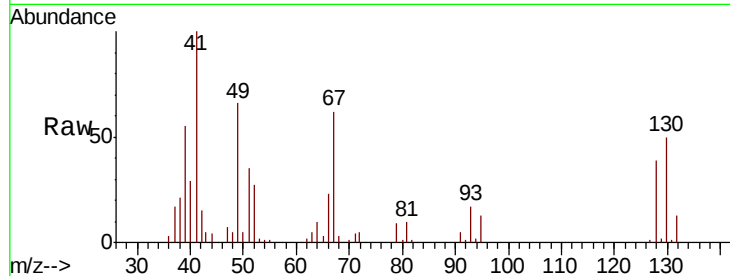
#41
Methacrylonitrile
Concen: 18.617 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	51.4	77.2	
67	85.3	66.8	100.2	
52	38.7	27.7	41.5	

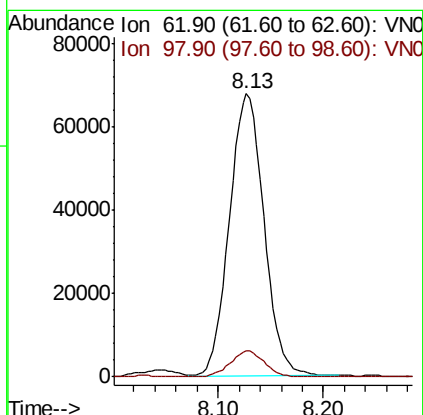
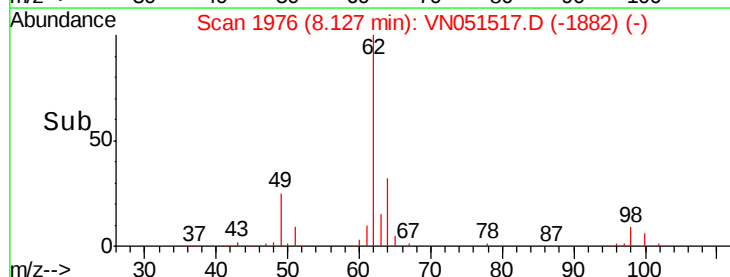
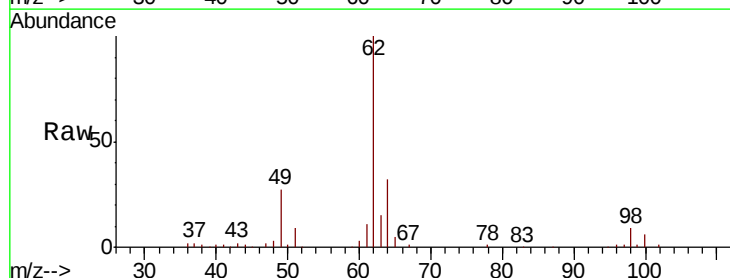
Manual Integrations
APPROVED

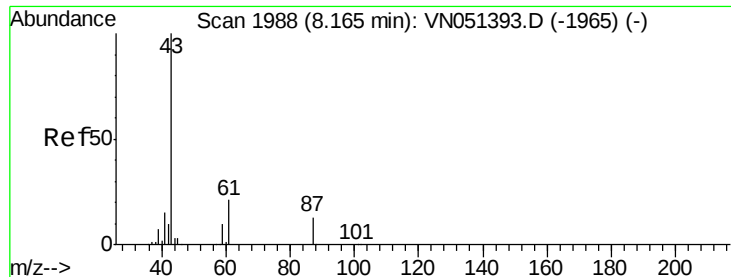
mmdadoda
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#42
1,2-Dichloroethane
Concen: 20.401 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.6	





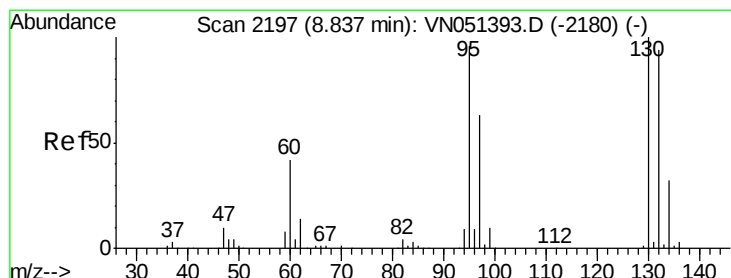
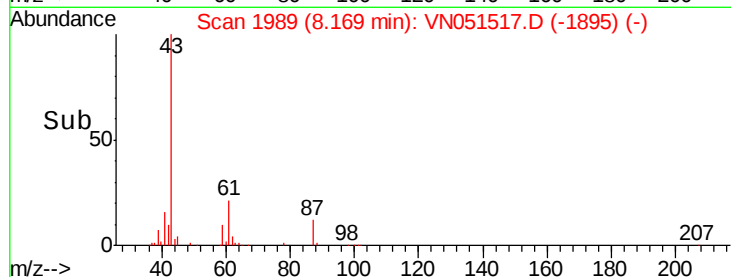
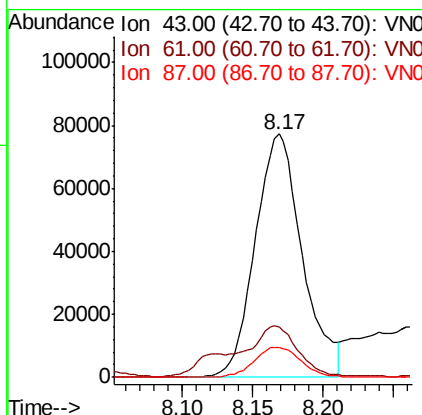
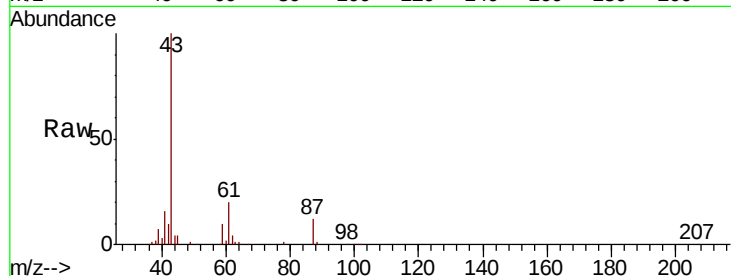
#43
Isopropyl Acetate
Concen: 21.454 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.7	16.8	25.2
87	12.3	10.7	16.1

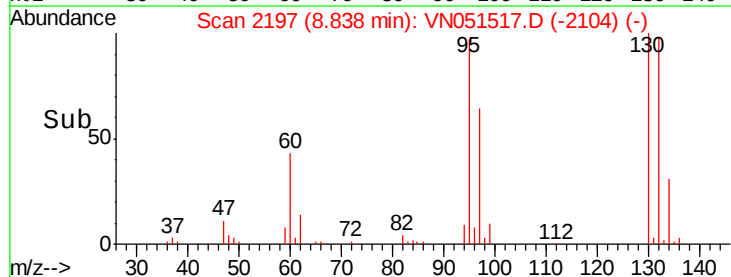
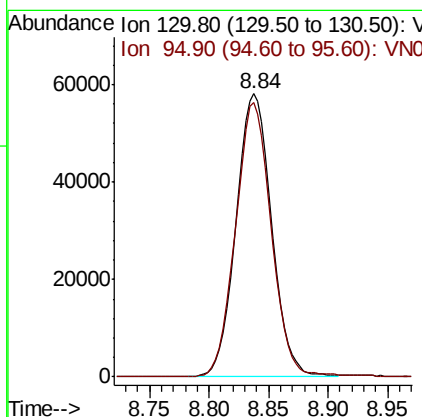
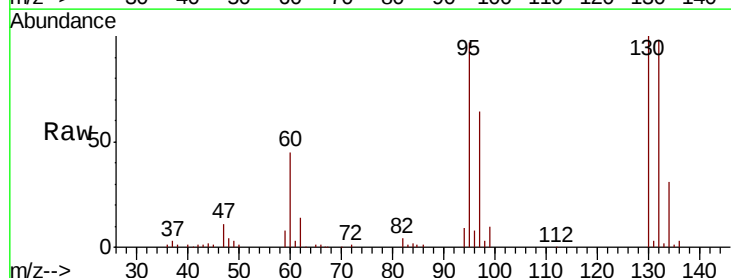
Manual Integrations
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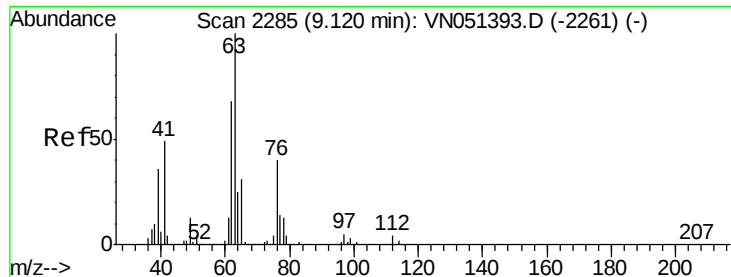
mmdadoda
9/30/2018 9:54:37 AM



#44
Trichloroethene
Concen: 19.144 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	192.2





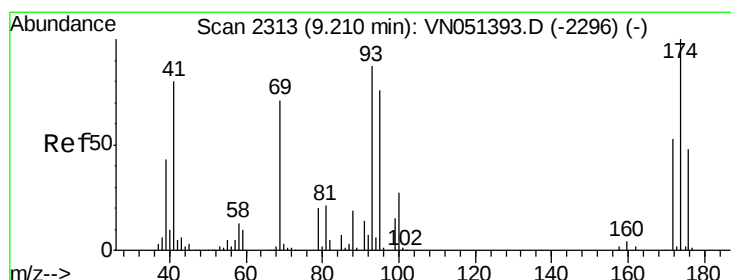
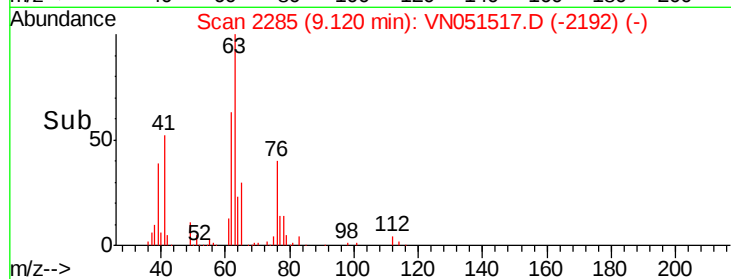
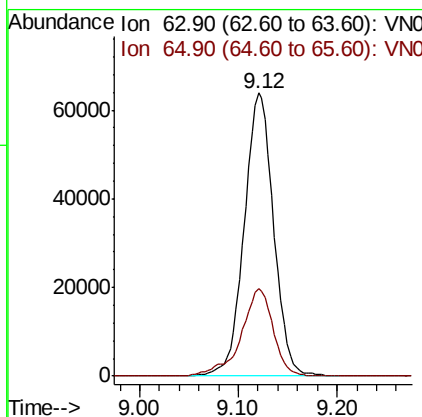
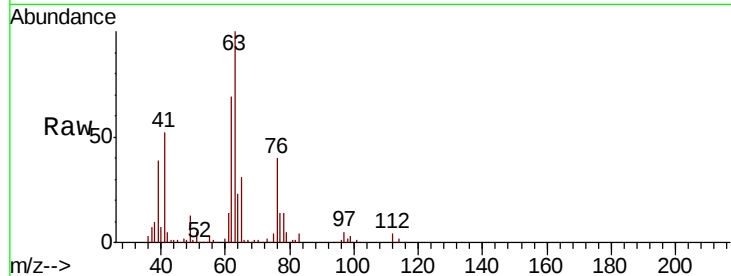
#45
 1,2-Dichloropropane
 Concen: 20.416 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion: 63 Resp: 131320
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3

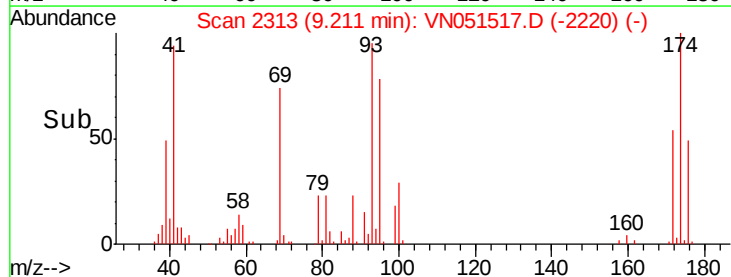
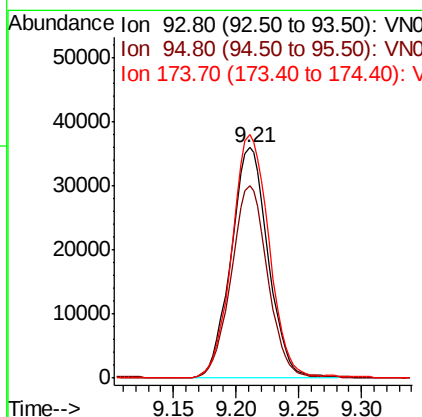
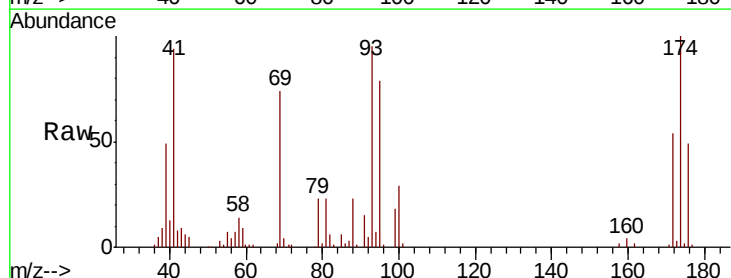
Manual Integrations
 APPROVED

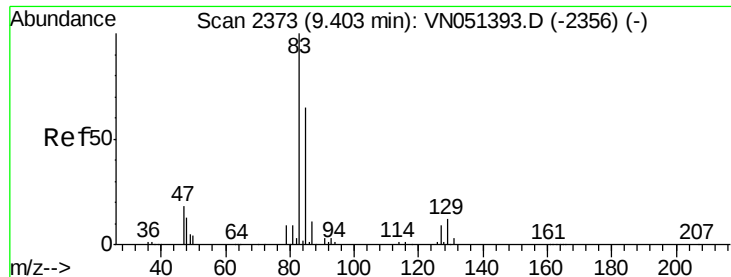
mmdadoda
 9/30/2018 9:54:37 AM



#46
 Dibromomethane
 Concen: 20.370 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion: 93 Resp: 74035
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.6 101.4
 174 105.7 89.6 134.4





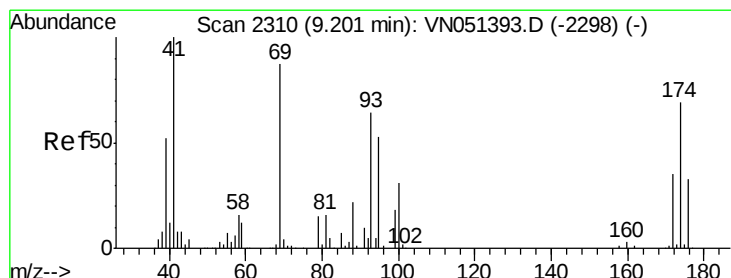
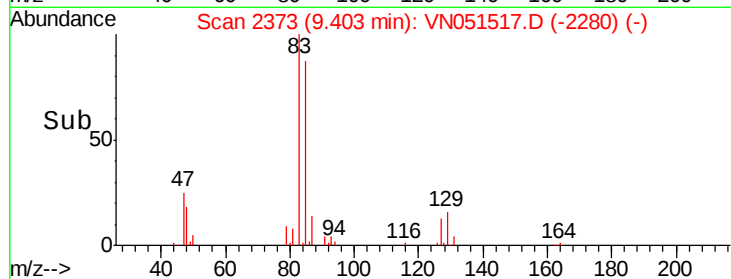
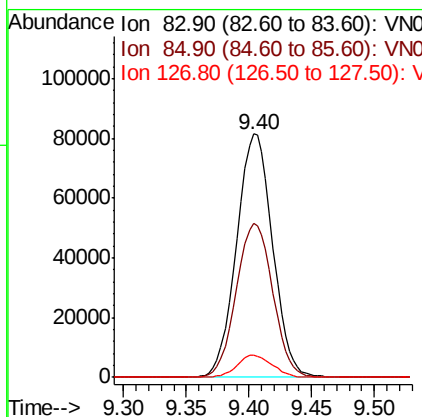
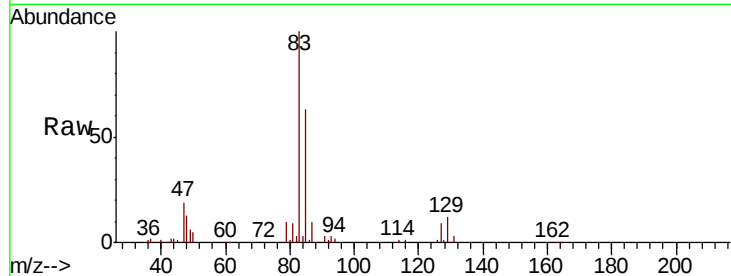
#47
Bromodichloromethane
Concen: 20.229 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	9.2	7.4	11.2

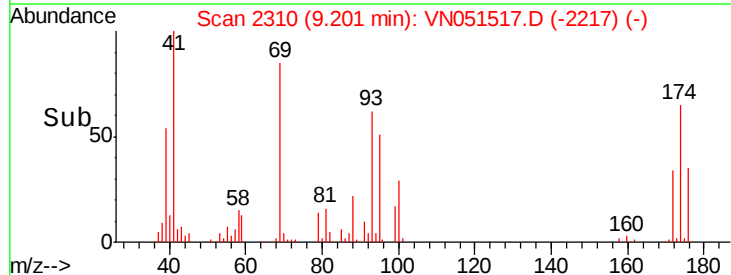
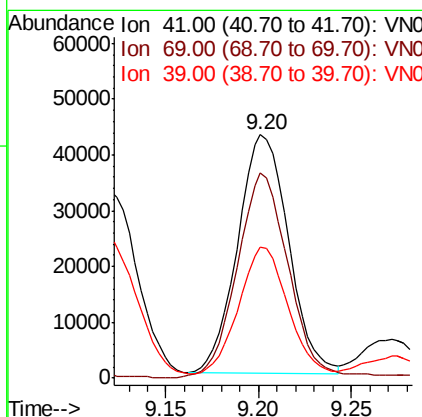
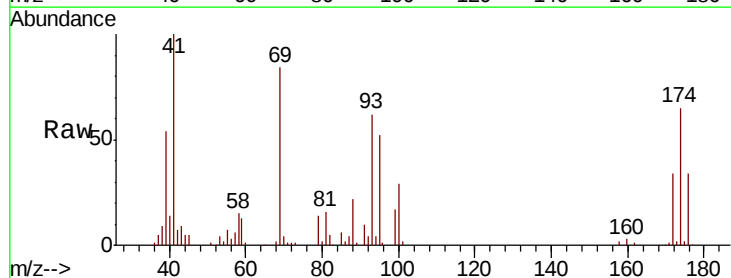
Manual Integrations
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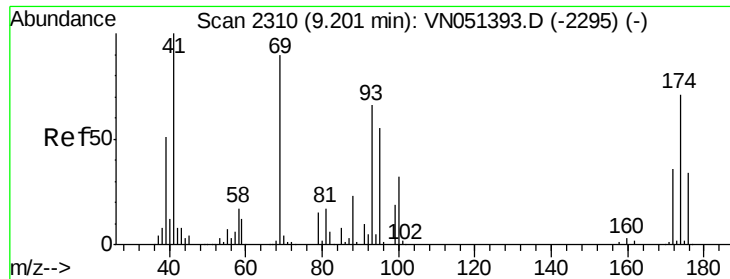
mmdadoda
9/30/2018 9:54:37 AM



#48
Methyl methacrylate
Concen: 19.596 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.7	70.4	105.6
39	54.0	43.8	65.8





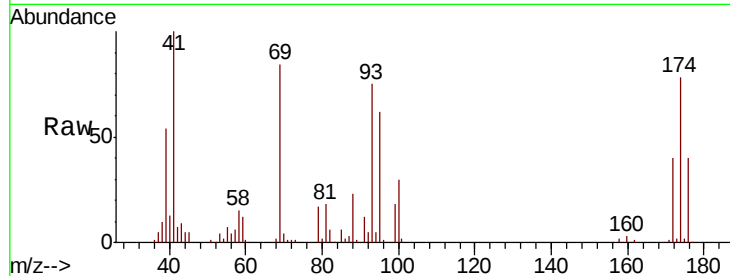
#49
1,4-Dioxane
Concen: 407.586 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.9	38.9
58	68.3	57.0	85.4

Manual Integrations
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mmdadoda
9/30/2018 9:54:37 AM

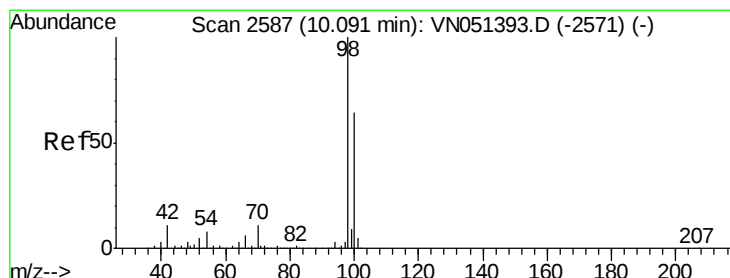
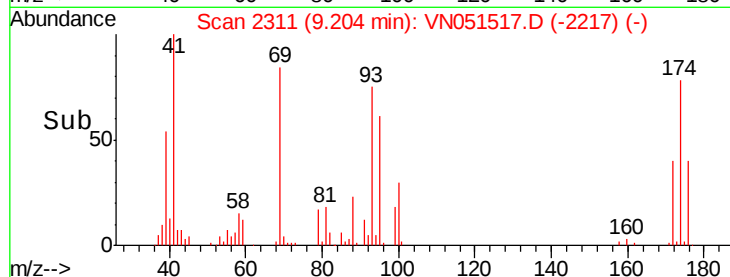
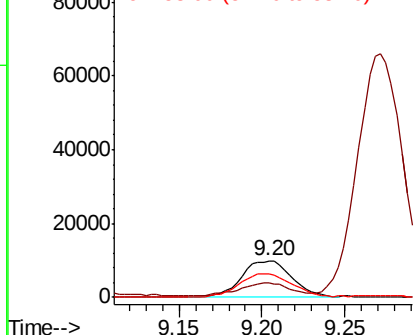


Abundance

Ion 88.00 (87.70 to 88.70): VN0

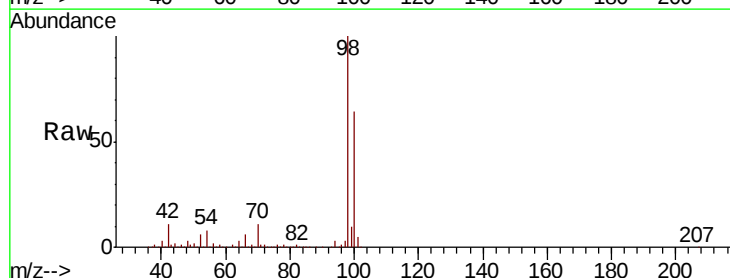
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.376 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

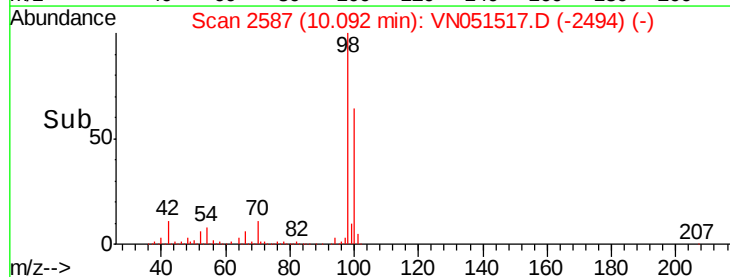
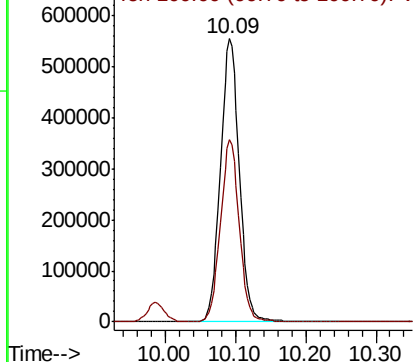
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.6	75.8

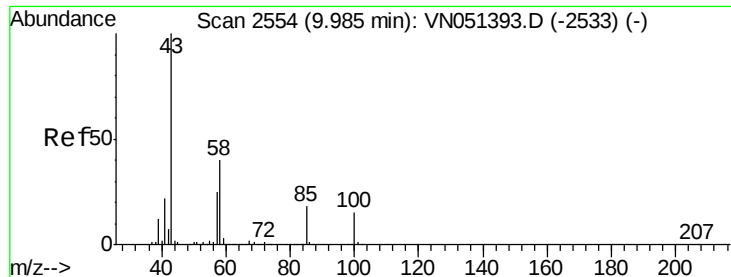


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





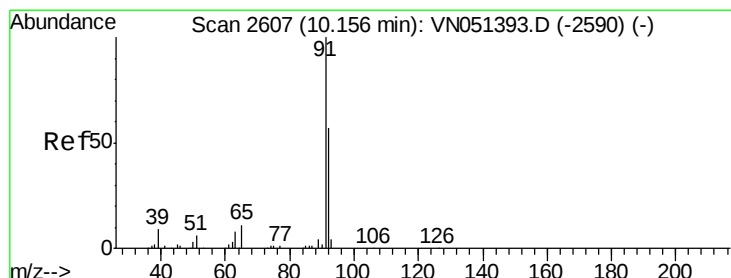
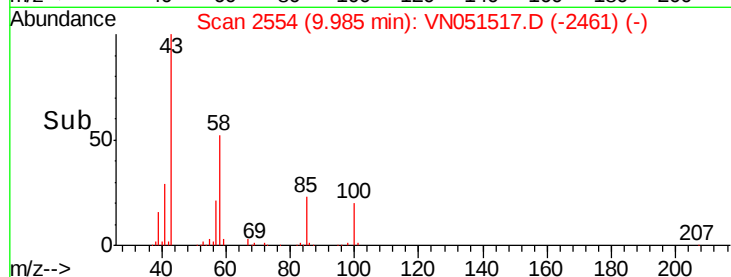
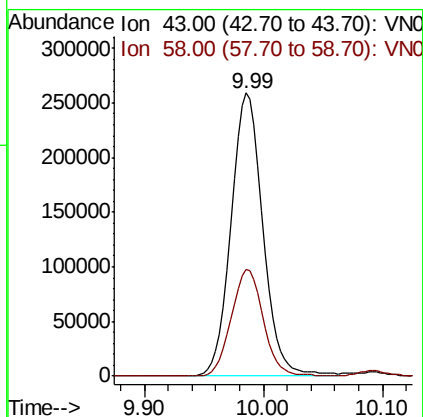
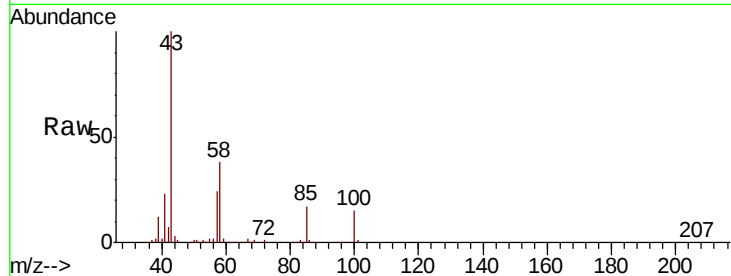
#51
 4-Methyl-2-Pentanone
 Concen: 103.768 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion: 43 Resp: 478171
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.5 47.3

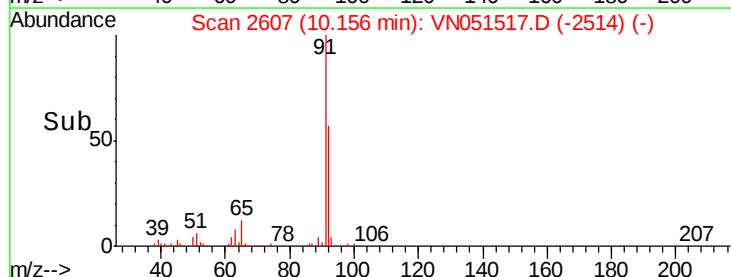
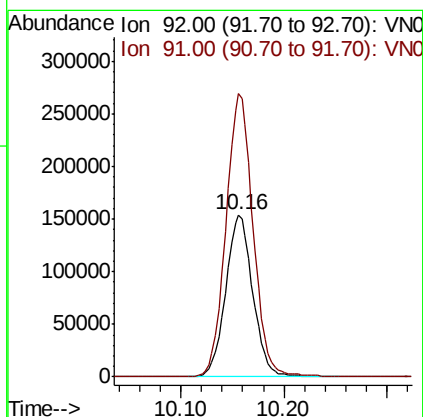
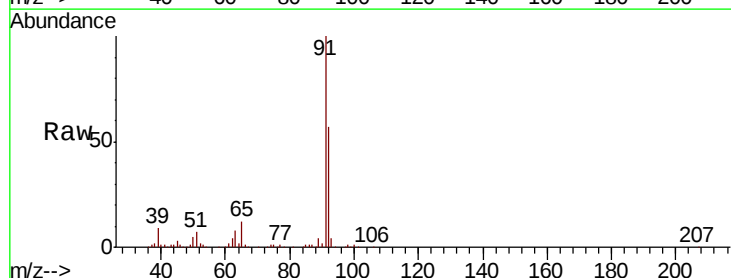
Manual Integrations
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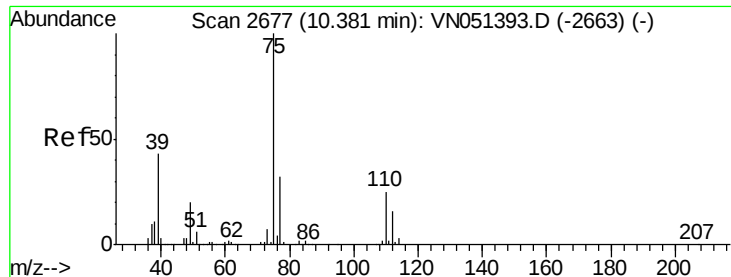
mmdadoda
 9/30/2018 9:54:37 AM



#52
 Toluene
 Concen: 19.124 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion: 92 Resp: 281236
 Ion Ratio Lower Upper
 92 100
 91 175.8 142.2 213.4





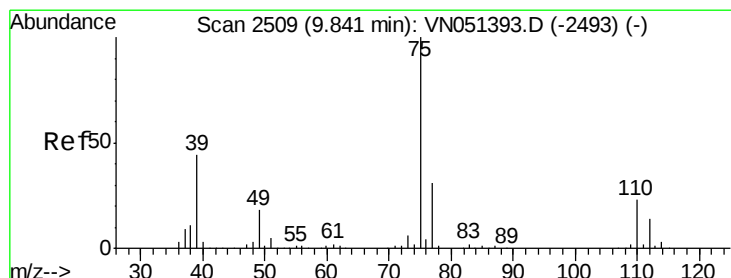
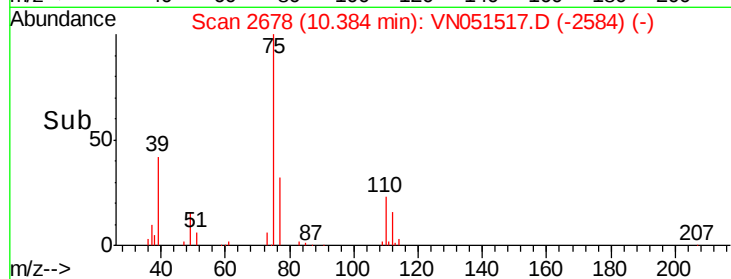
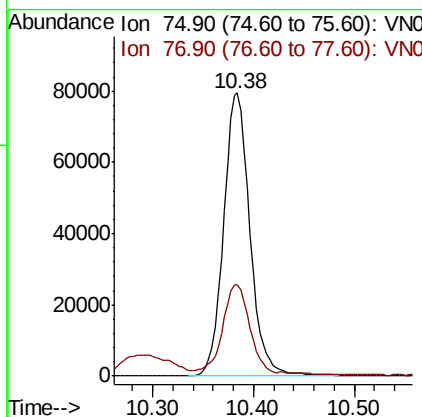
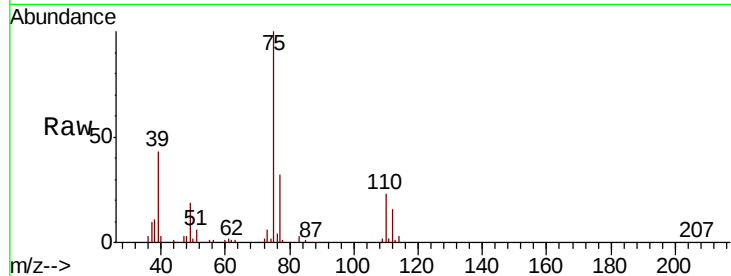
#53
t-1,3-Dichloropropene
Concen: 17.903 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion: 75 Resp: 145372
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8

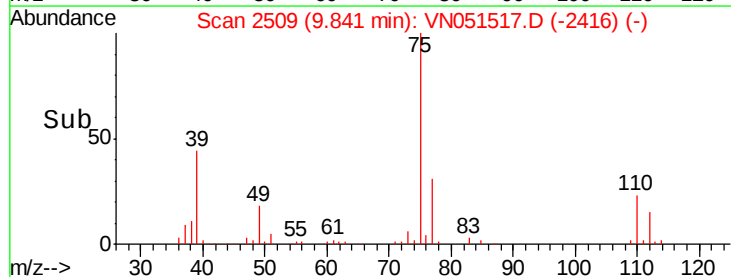
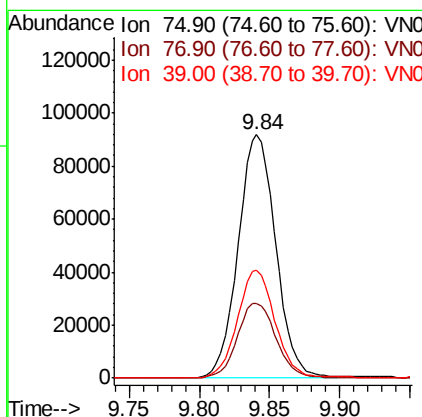
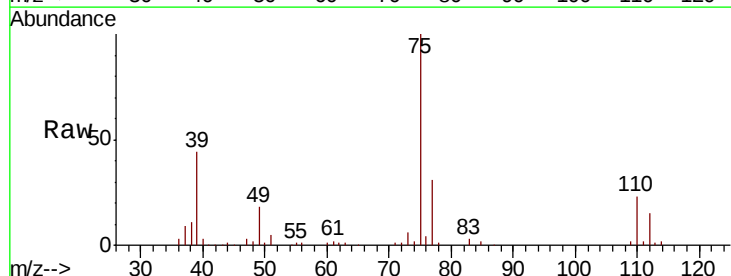
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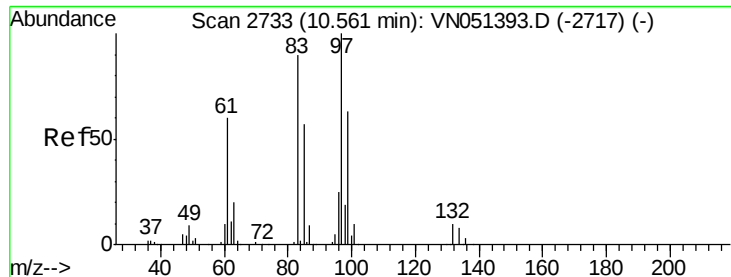
mmdadoda
9/30/2018 9:54:37 AM



#54
cis-1,3-Dichloropropene
Concen: 18.244 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion: 75 Resp: 171792
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 44.2 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 20.178 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

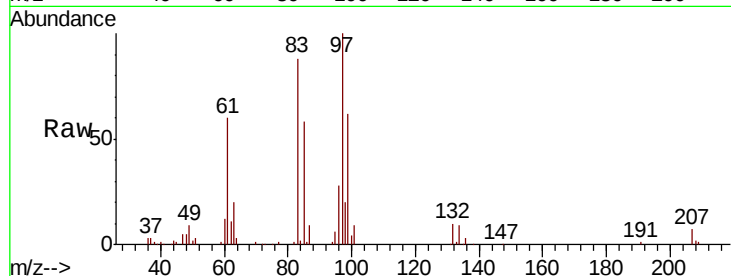
ClientSampleId :

VN0926WBS02

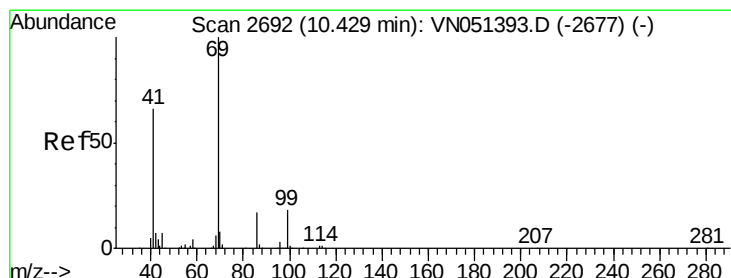
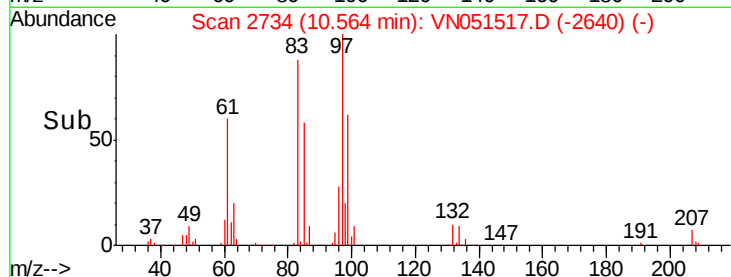
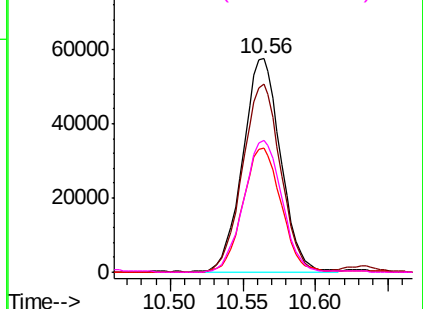
Tgt Ion:	97	Resp:	104869
Ion	Ratio	Lower	Upper
97	100		
83	88.0	72.0	108.0
85	58.1	45.2	67.8
99	61.7	50.7	76.1

Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.928 ug/l

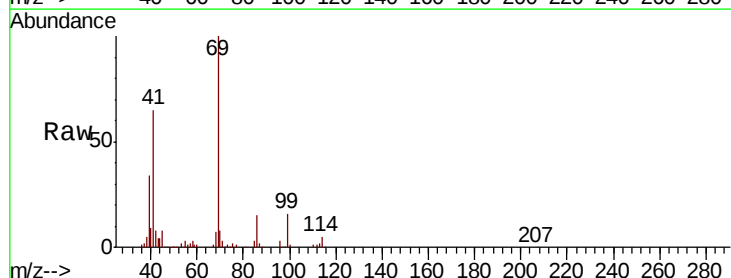
RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

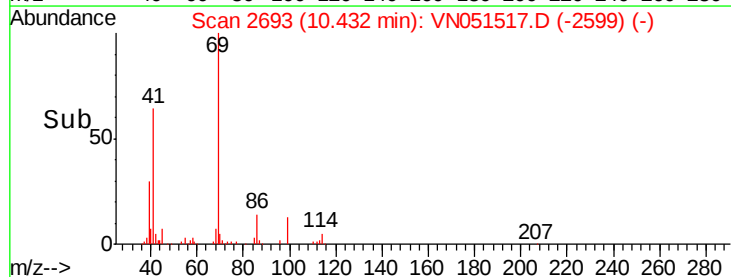
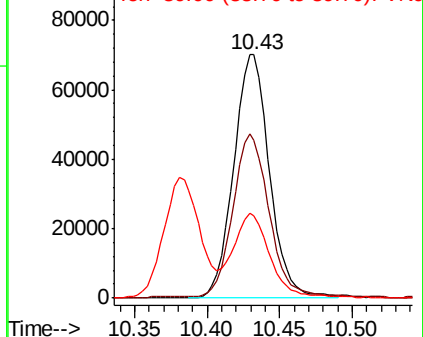
Lab File: VN051517.D

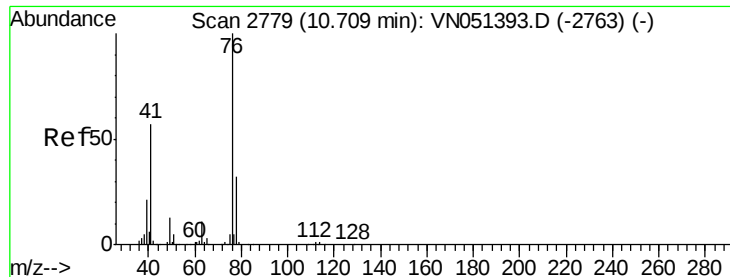
Acq: 26 Sep 2018 6:14

Tgt Ion:	69	Resp:	120276
Ion	Ratio	Lower	Upper
69	100		
41	67.1	52.4	78.6
39	35.7	26.3	39.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





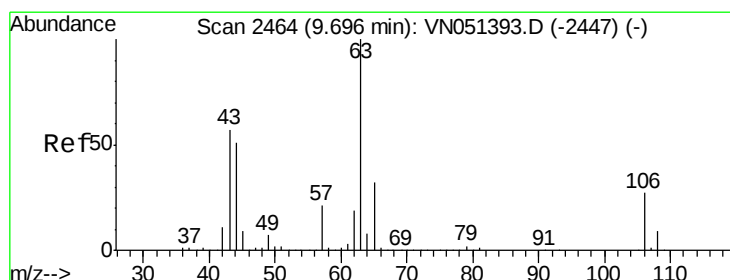
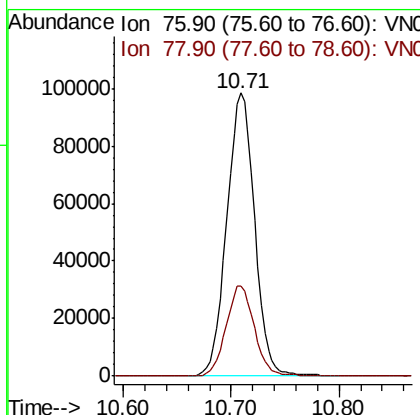
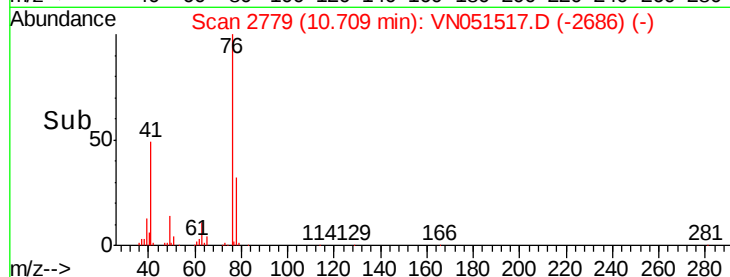
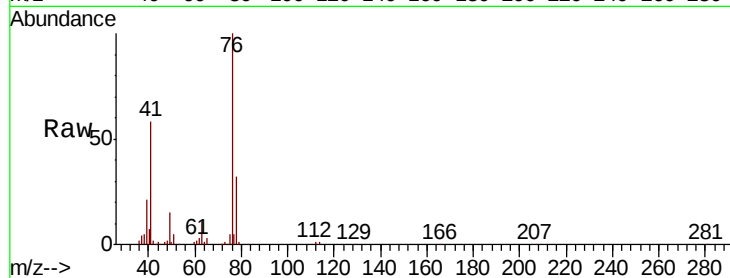
#57
 1,3-Dichloropropane
 Concen: 19.864 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion: 76 Resp: 176951
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3

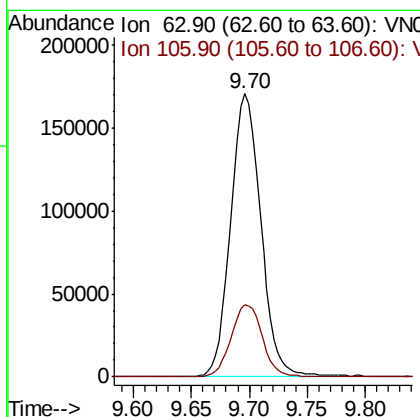
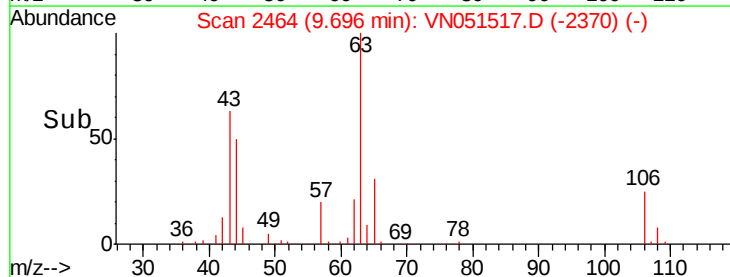
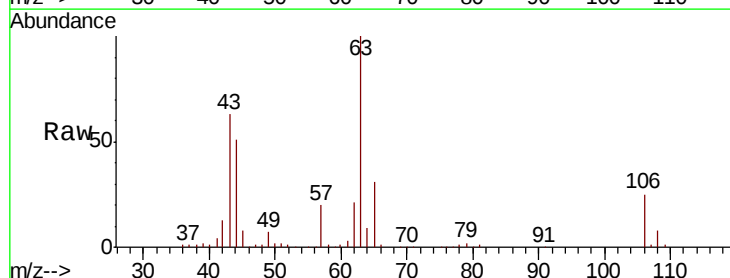
Manual Integrations
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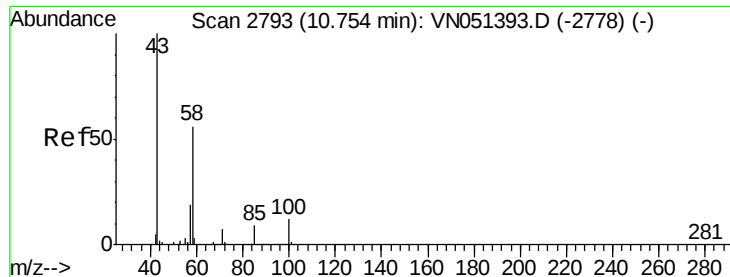
mmdadoda
 9/30/2018 9:54:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.561 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion: 63 Resp: 307711
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.2





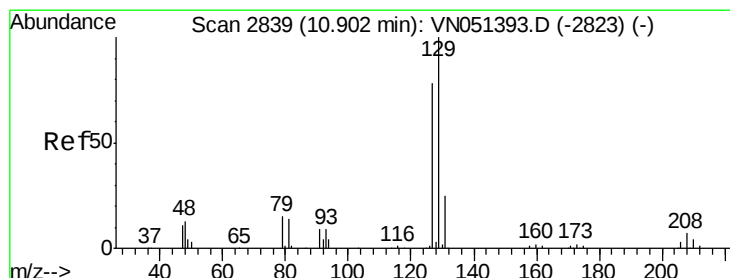
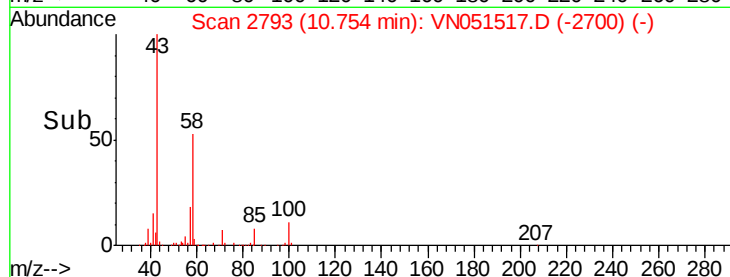
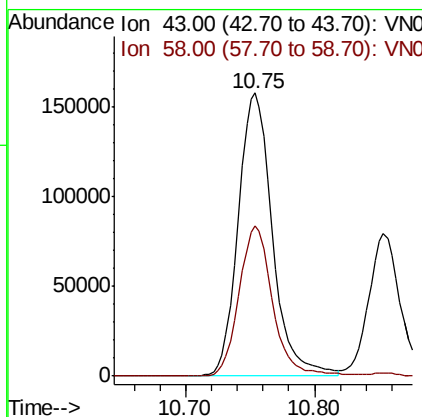
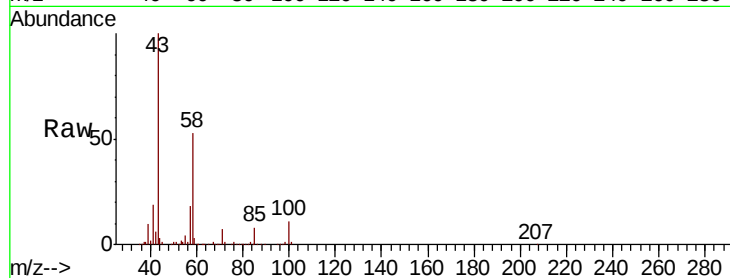
#59
2-Hexanone
Concen: 96.972 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion: 43 Resp: 289678
Ion Ratio Lower Upper
43 100
58 52.6 27.7 83.0

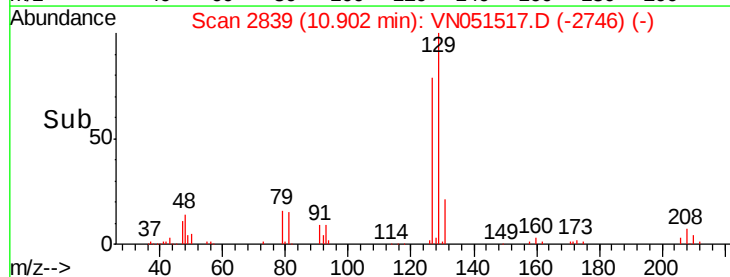
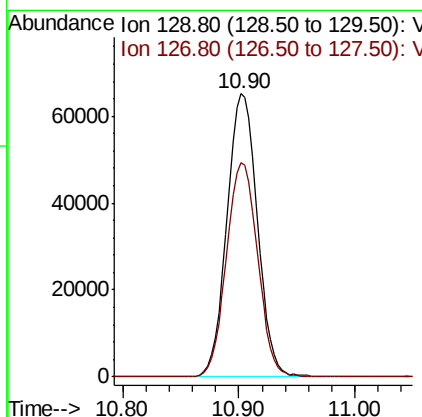
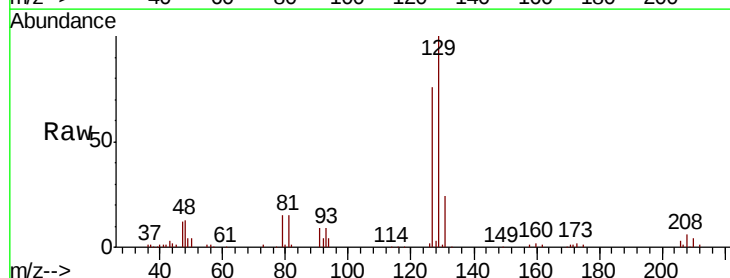
Manual Integrations
APPROVED

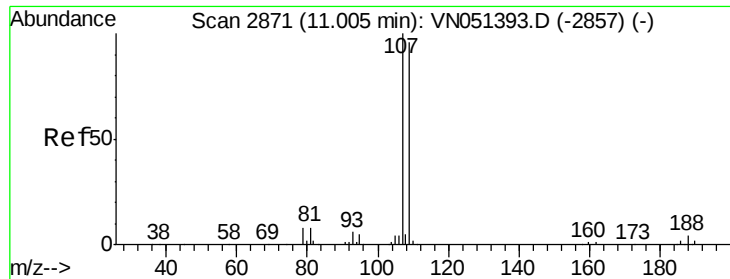
mmdadoda
9/30/2018 9:54:37 AM



#60
Dibromochloromethane
Concen: 19.255 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion: 129 Resp: 118076
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





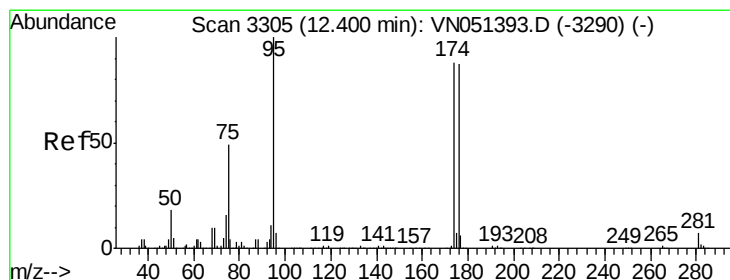
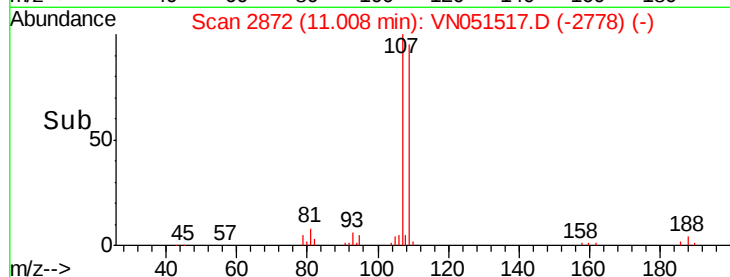
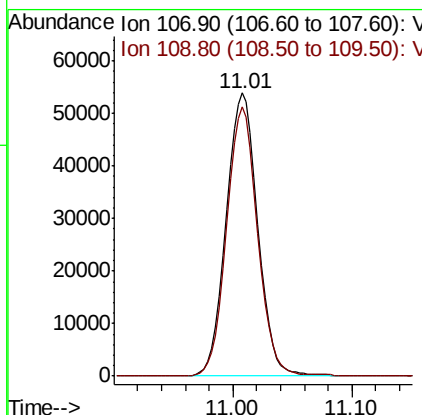
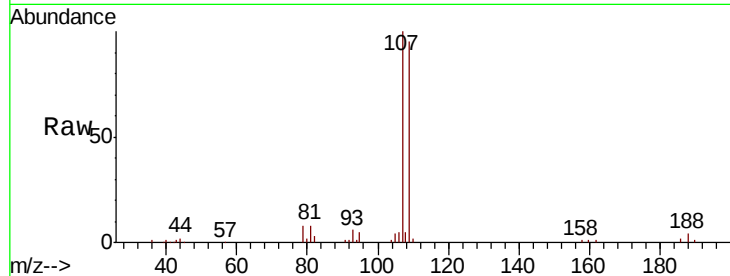
#61
 1,2-Dibromoethane
 Concen: 19.601 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion: 107 Resp: 98890
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.3 114.5

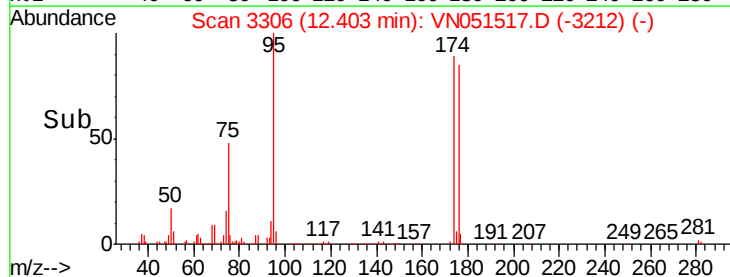
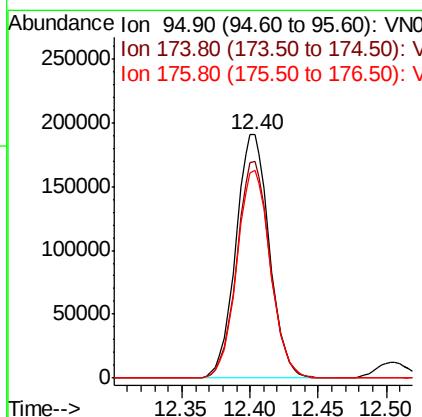
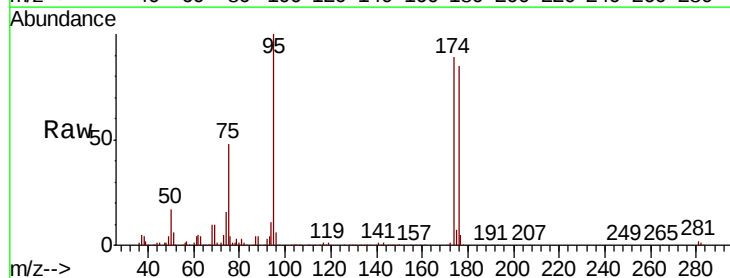
Manual Integrations
 APPROVED

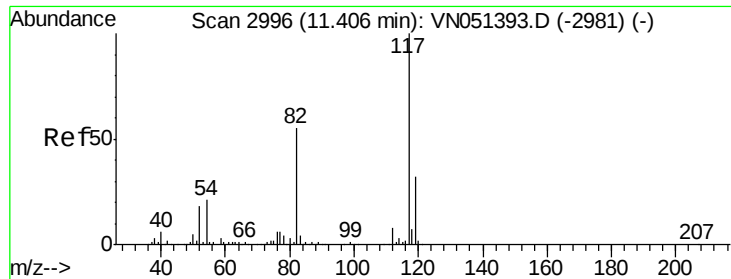
mmdadoda
 9/30/2018 9:54:37 AM



#62
 4-Bromofluorobenzene
 Concen: 47.853 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion: 95 Resp: 324407
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 181.6
 176 85.5 0.0 176.4





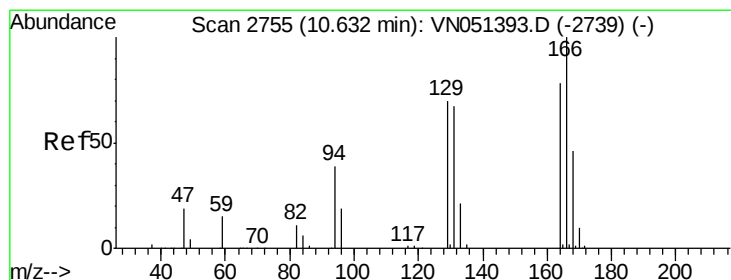
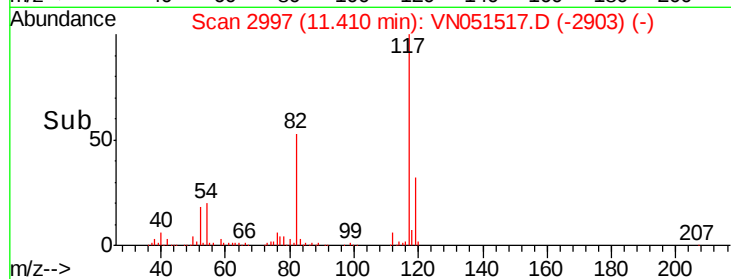
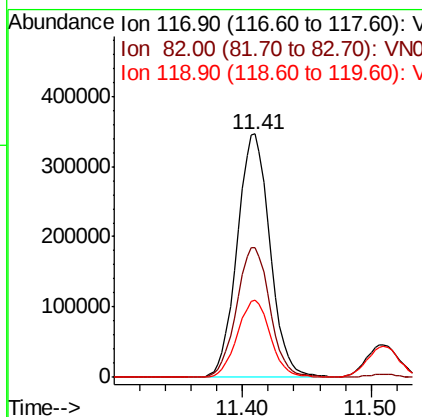
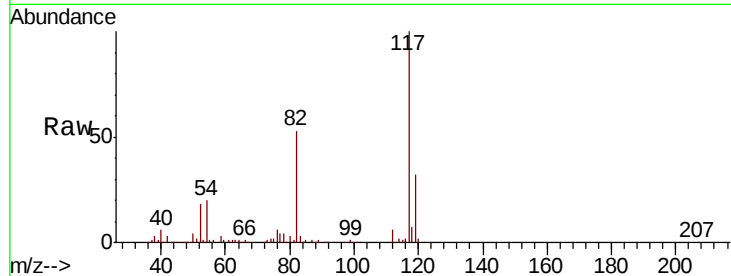
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	613485		
82	53.2	44.2	66.2	
119	31.8	25.9	38.9	

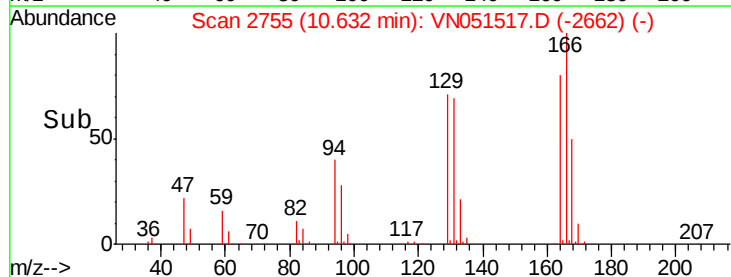
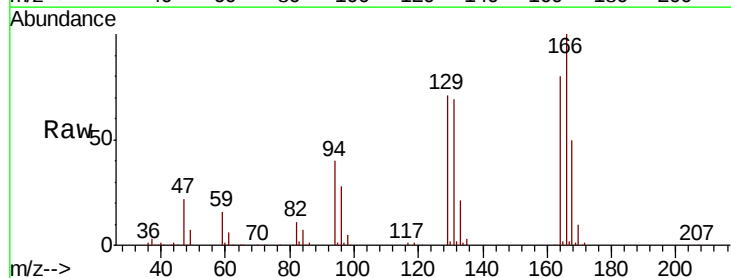
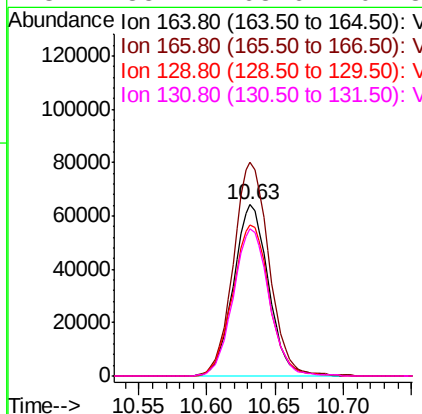
Manual Integrations
APPROVED

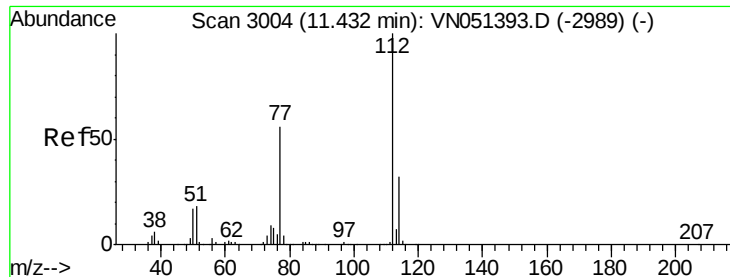
mmdadoda
9/30/2018 9:54:37 AM



#64
Tetrachloroethene
Concen: 20.568 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114516		
166	124.6	102.3	153.5	
129	88.4	71.8	107.8	
131	85.7	68.6	102.8	





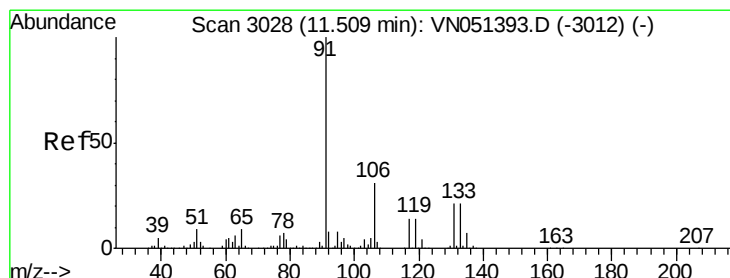
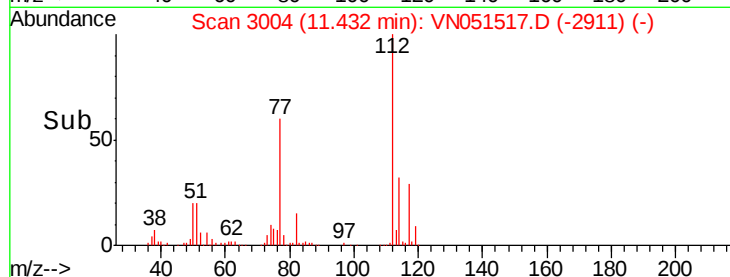
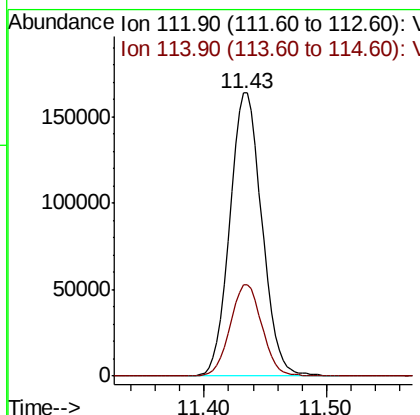
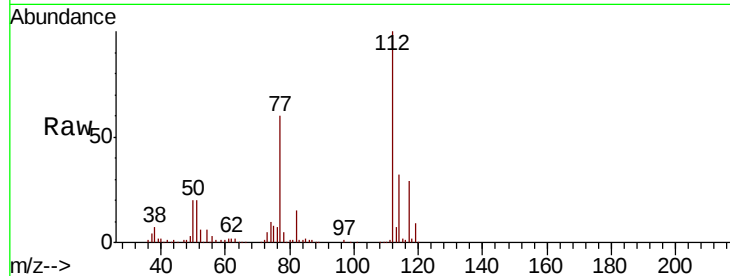
#65
Chlorobenzene
Concen: 19.074 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	300221		
114	32.1	25.4	38.2	

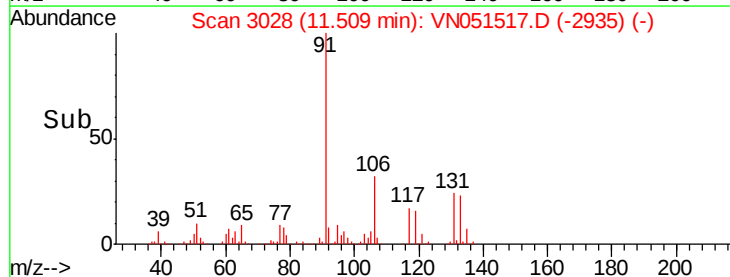
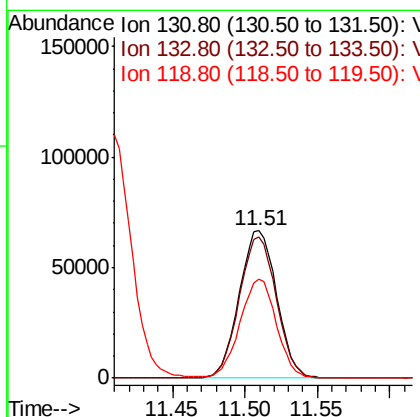
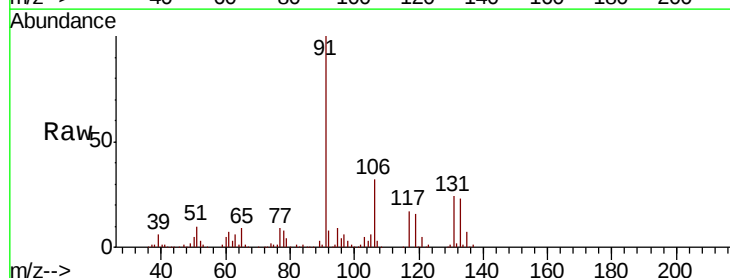
Manual Integrations
APPROVED

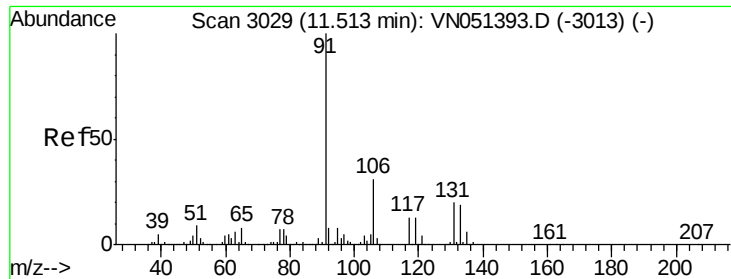
mmdadoda
9/30/2018 9:54:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.015 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120027		
133	95.1	48.3	144.8	
119	65.4	32.8	98.4	





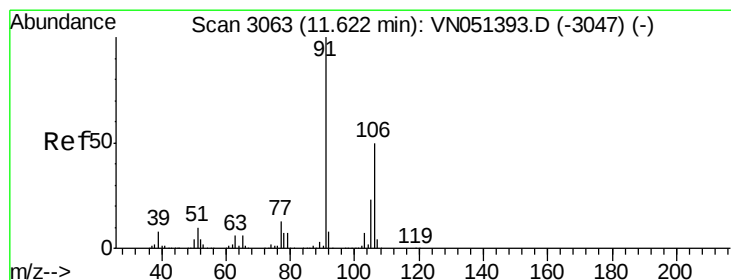
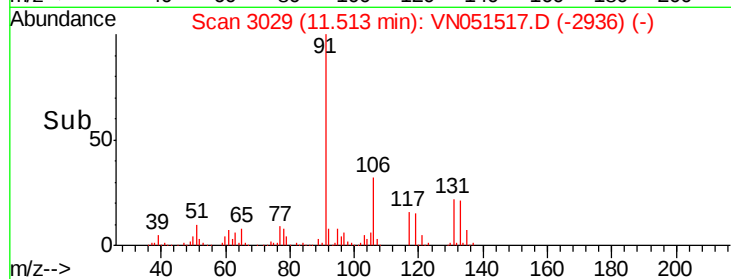
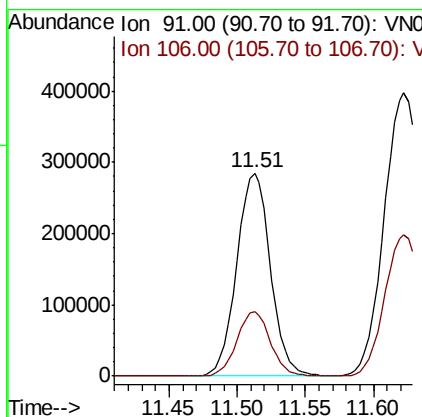
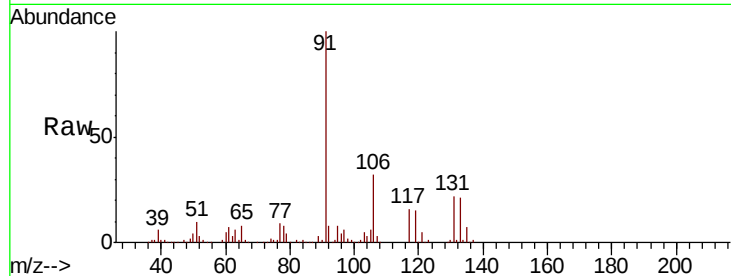
#67
Ethyl Benzene
Concen: 18.413 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion: 91 Resp: 488427
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

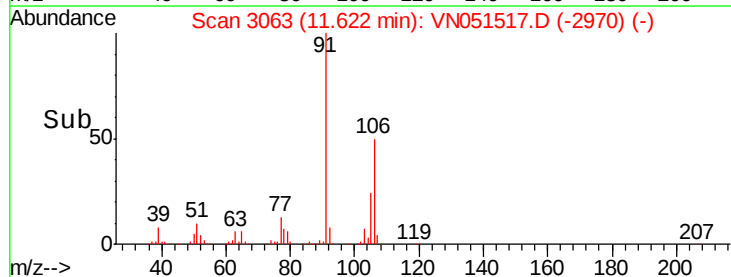
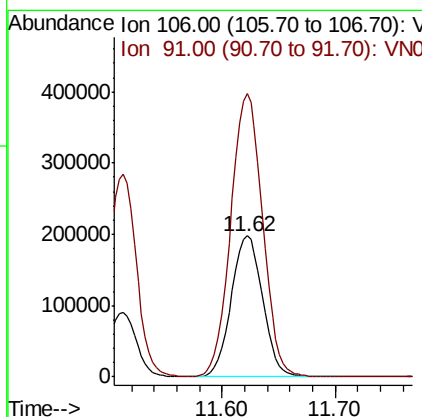
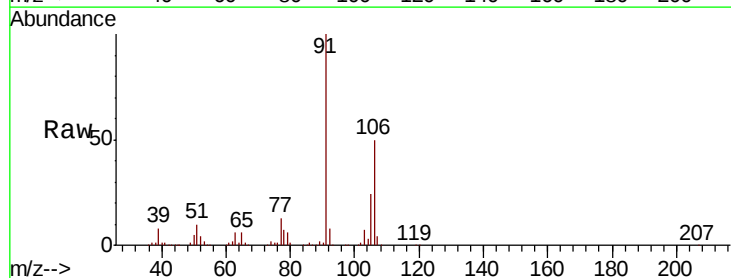
Manual Integrations
APPROVED

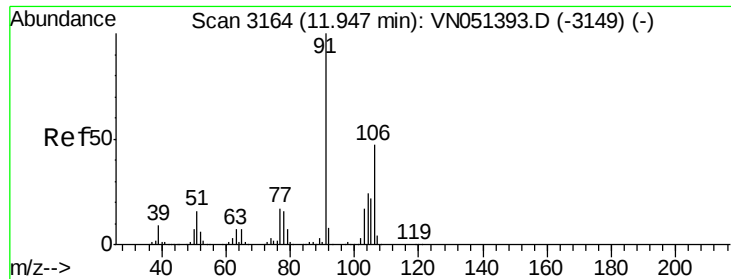
mmdadoda
9/30/2018 9:54:37 AM



#68
m/p-Xylenes
Concen: 37.357 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion: 106 Resp: 383302
Ion Ratio Lower Upper
106 100
91 202.7 161.3 241.9





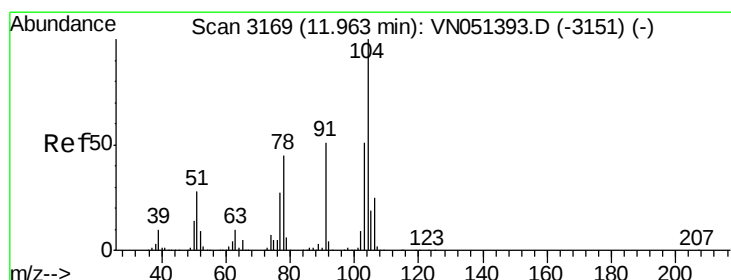
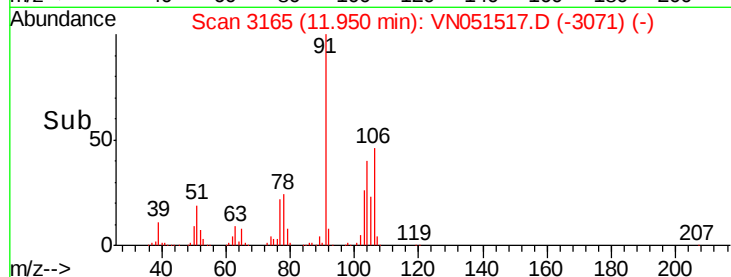
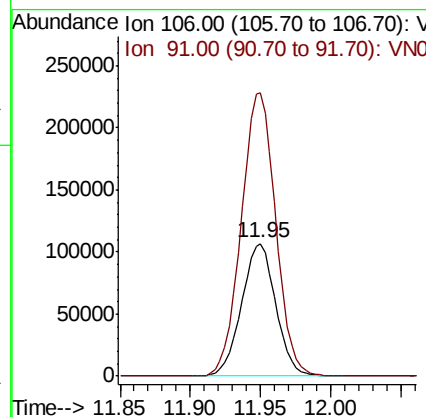
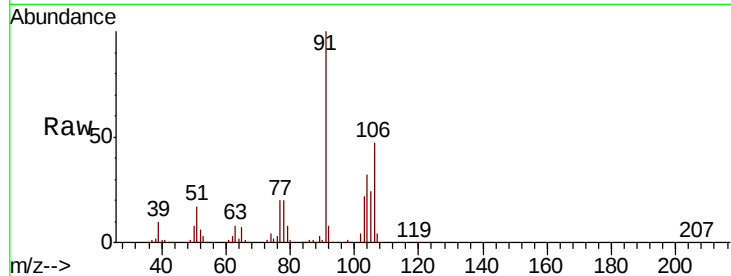
#69
o-Xylene
Concen: 18.348 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampled :
VN0926WBS02

Tgt Ion:106 Resp: 180980
Ion Ratio Lower Upper
106 100
91 215.6 105.3 315.9

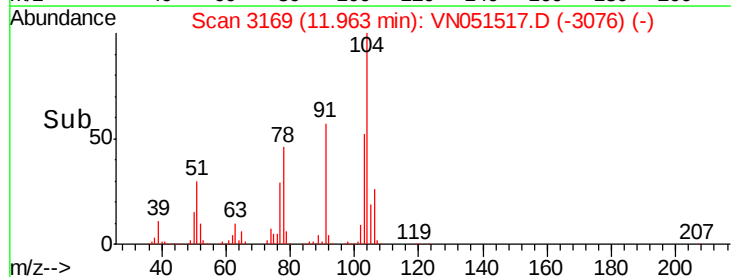
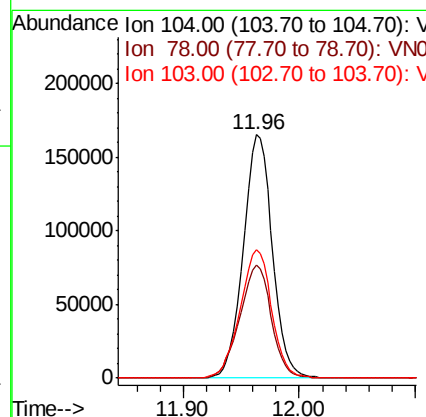
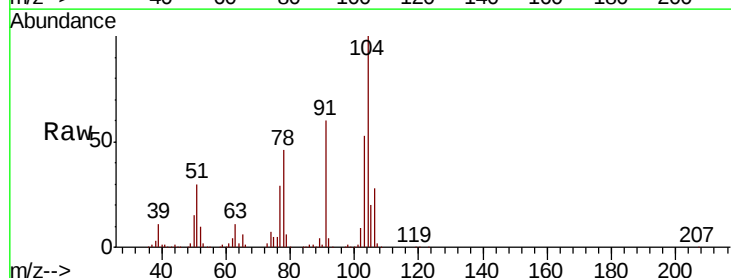
Manual Integrations
APPROVED

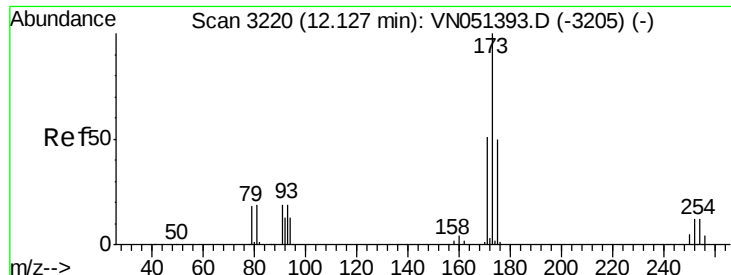
mmdadoda
9/30/2018 9:54:37 AM



#70
Styrene
Concen: 18.429 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion:104 Resp: 288049
Ion Ratio Lower Upper
104 100
78 50.5 39.9 59.9
103 57.1 44.6 66.8





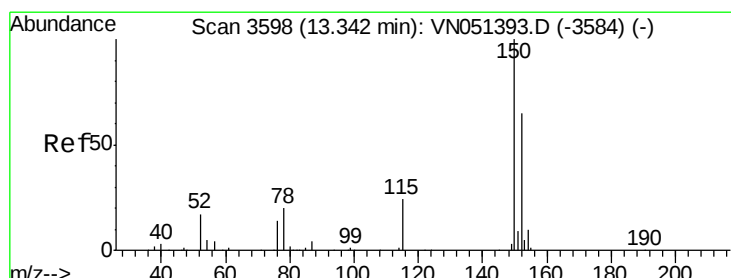
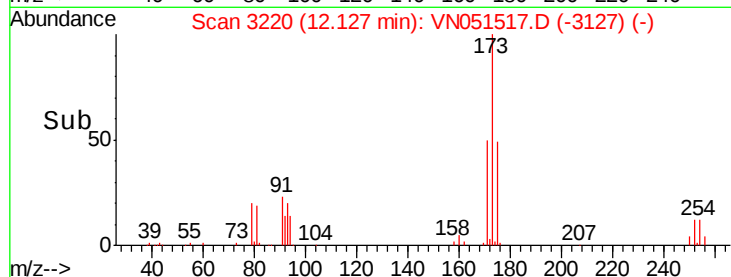
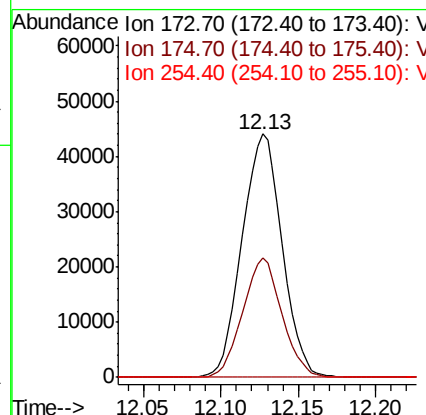
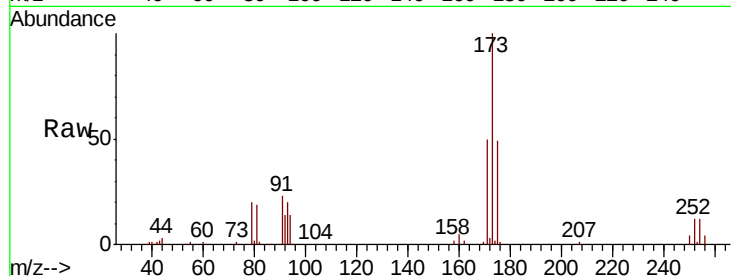
#71
Bromoform
Concen: 19.470 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.3
254	0.0	0.2	0.2

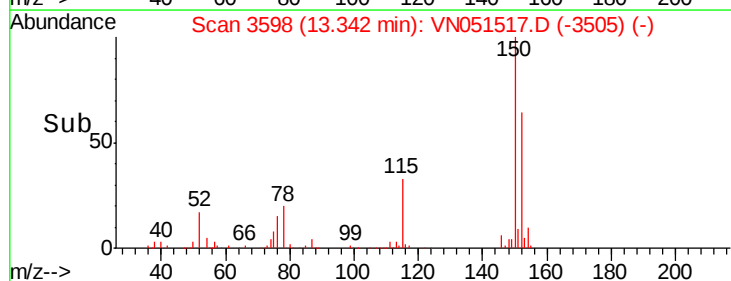
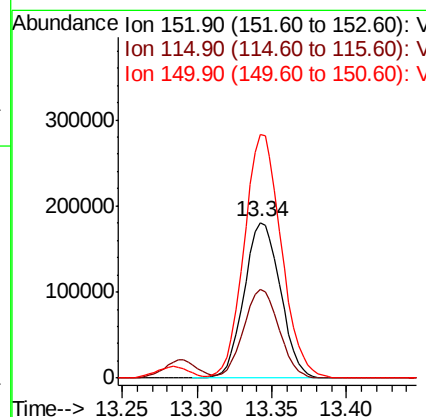
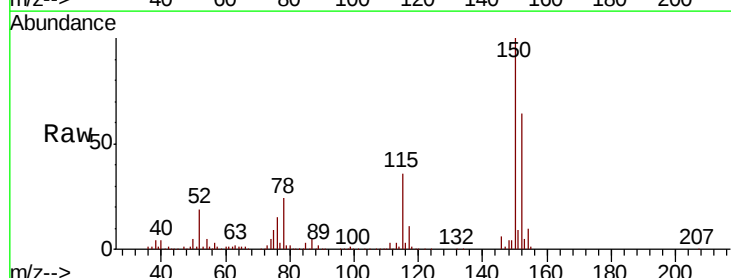
Manual Integrations
APPROVED

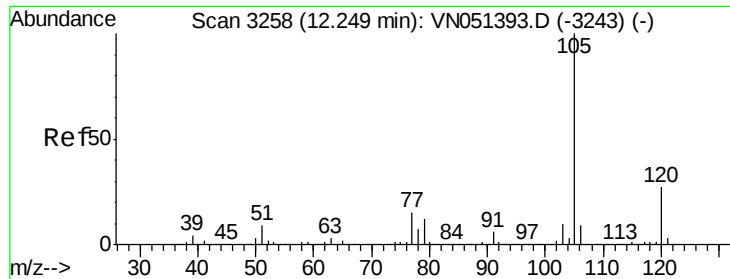
mmdadoda
9/30/2018 9:54:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	84.9
150	161.0	0.0	353.6





#73

Isopropylbenzene

Concen: 18.969 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 105 Resp: 487125

Ion Ratio Lower Upper

105 100

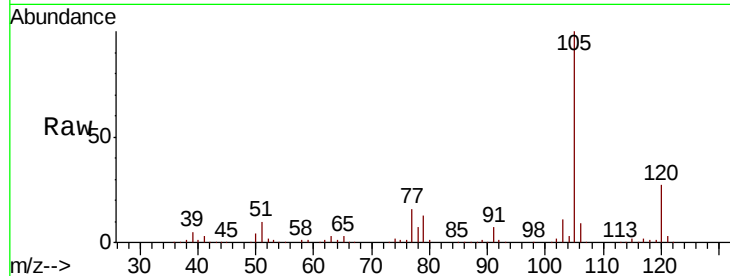
120 26.7 13.3 39.8

Manual Integrations

APPROVED

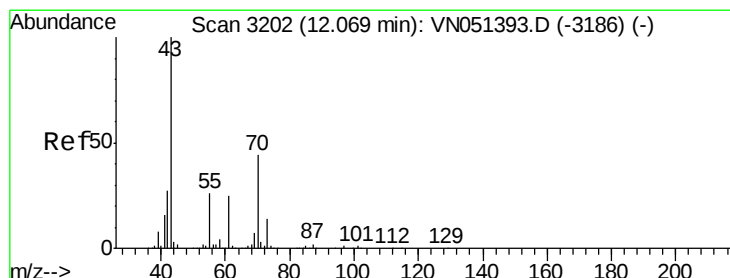
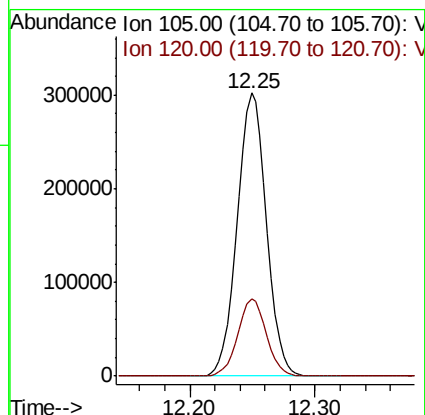
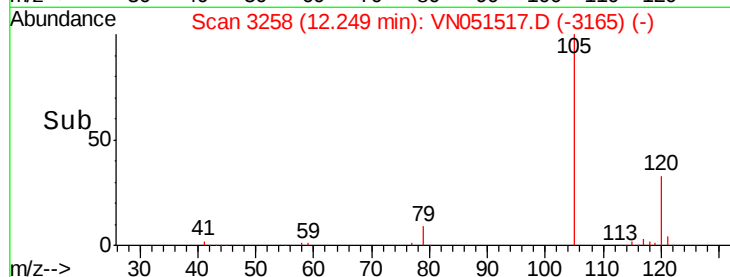
mmdadoda

9/30/2018 9:54:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.914 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Tgt Ion: 43 Resp: 128308

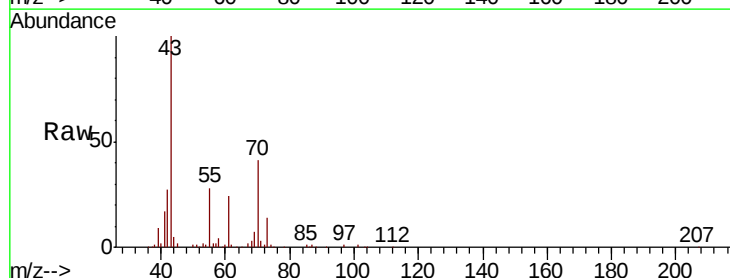
Ion Ratio Lower Upper

43 100

70 41.3 35.0 52.4

55 27.9 21.4 32.2

61 23.8 19.8 29.6

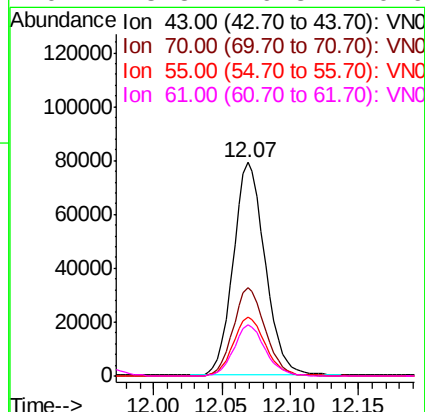
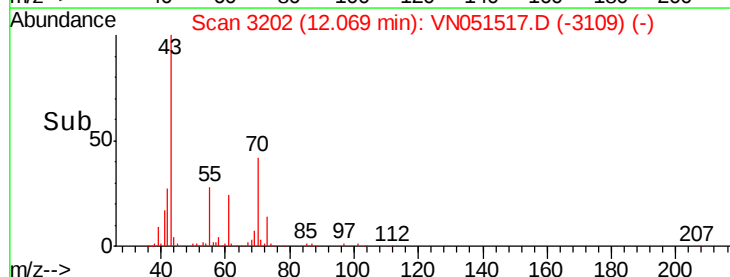


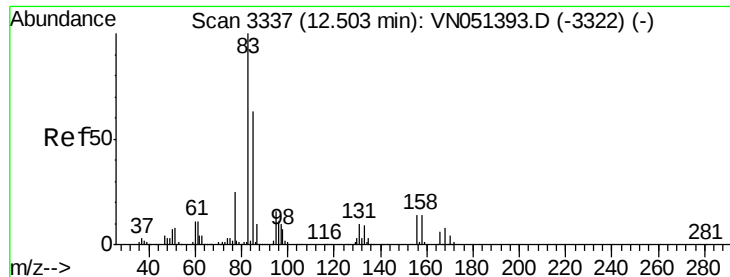
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.962 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

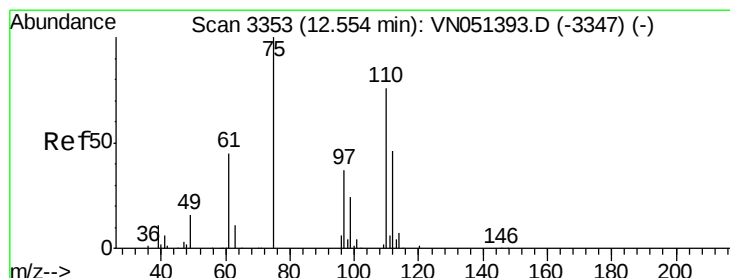
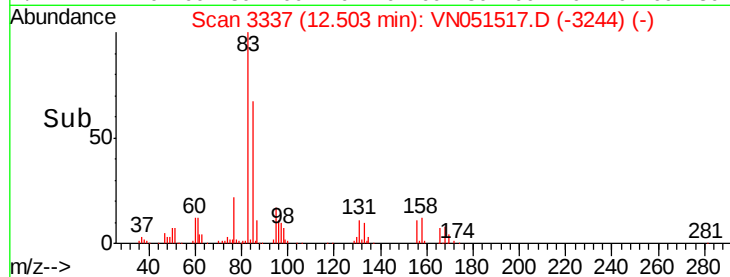
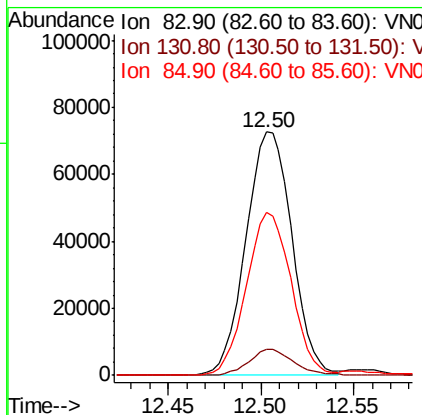
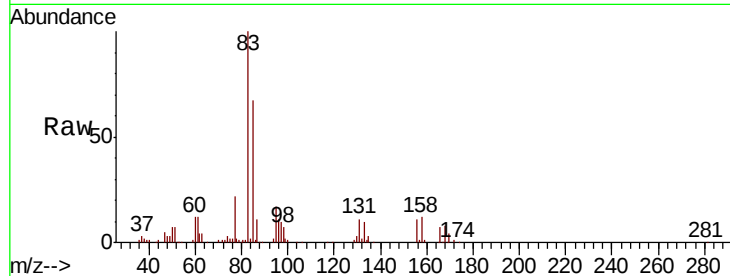
ClientSampleId :

VN0926WBS02

Tgt Ion:	83	Resp:	125522
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.9	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 20.587 ug/l m

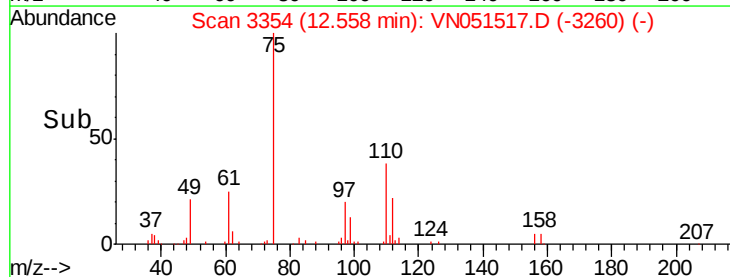
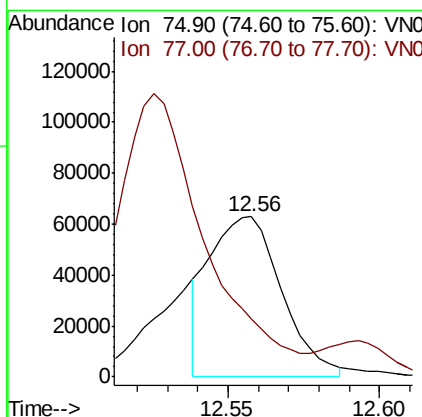
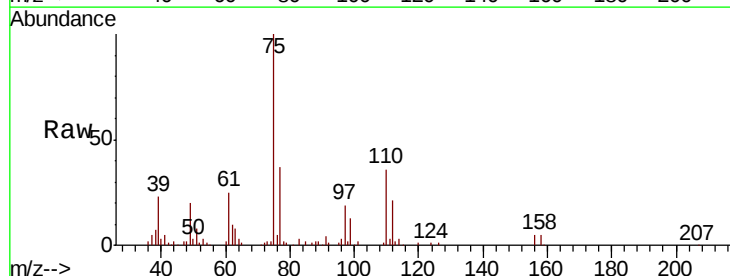
RT: 12.56 min Scan# 3354

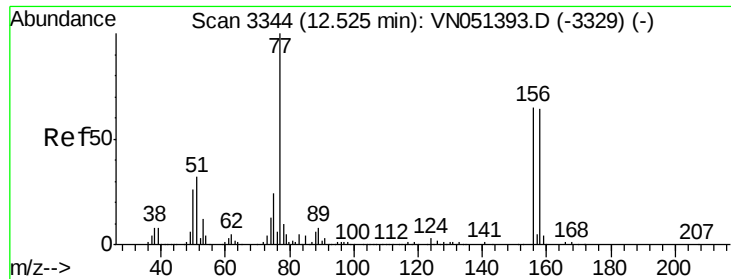
Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Tgt Ion:	75	Resp:	104015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.264 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

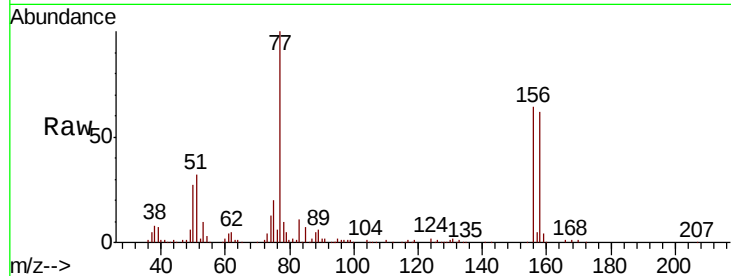
ClientSampleId :

VN0926WBS02

Tgt Ion:	156	Resp:	125233
Ion Ratio	Lower	Upper	
156	100		
77	183.9	89.5	268.4
158	97.9	49.4	148.2

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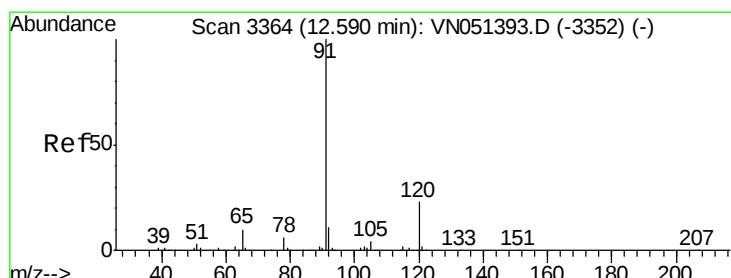
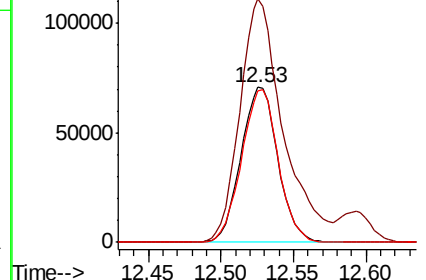
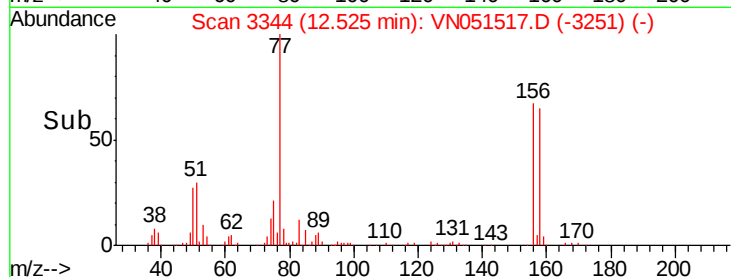
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.954 ug/l

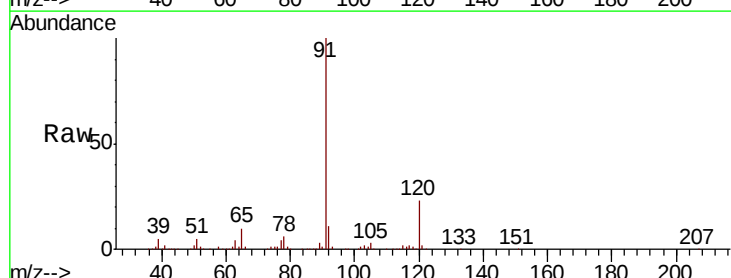
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051517.D

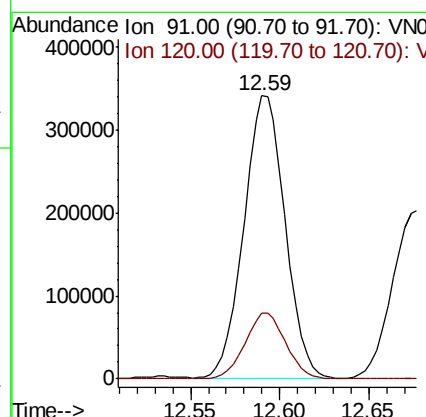
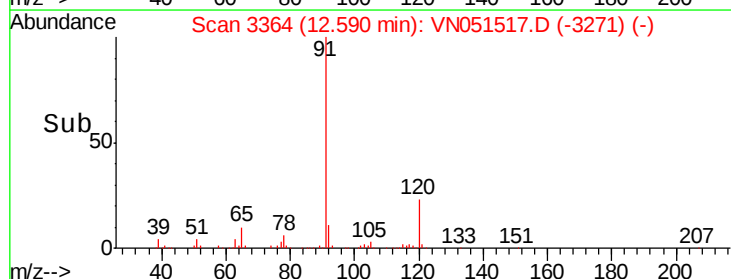
Acq: 26 Sep 2018 6:14

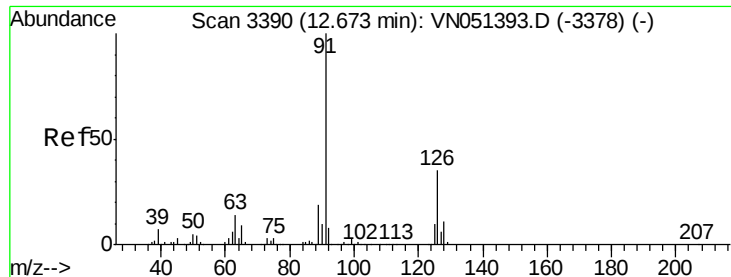
Tgt Ion:	91	Resp:	548543
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.410 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 91 Resp: 336261

Ion Ratio Lower Upper

91 100

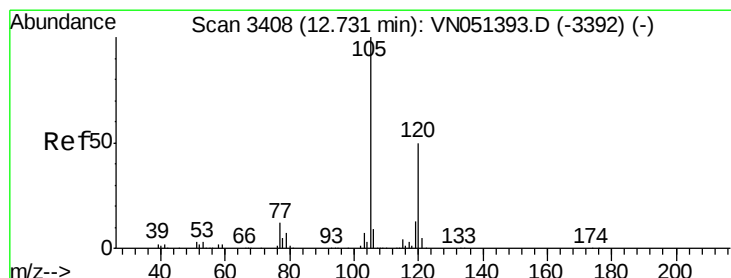
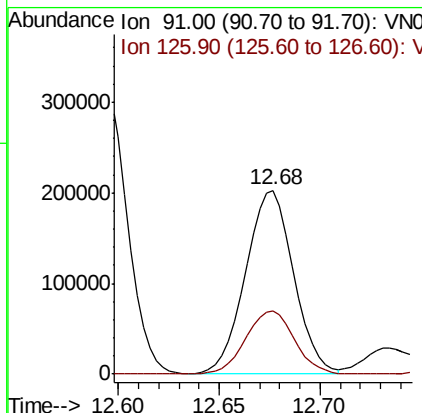
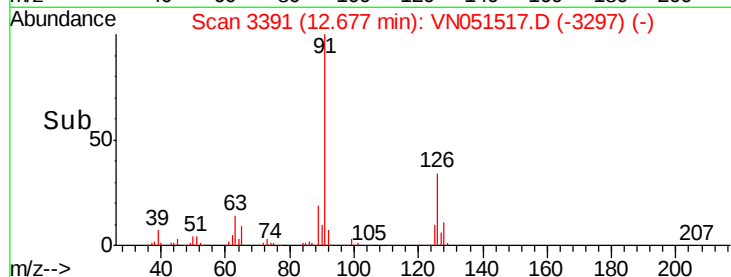
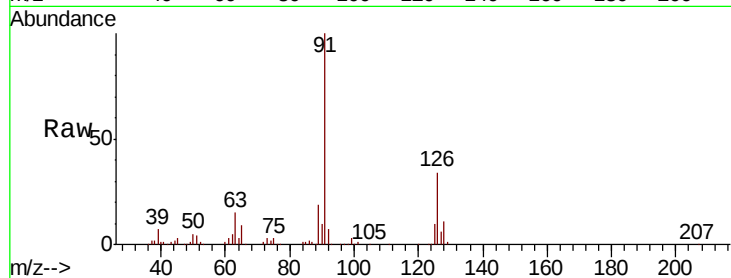
126 35.0 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 19.173 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051517.D

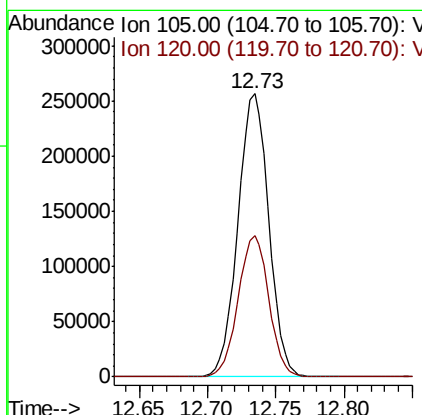
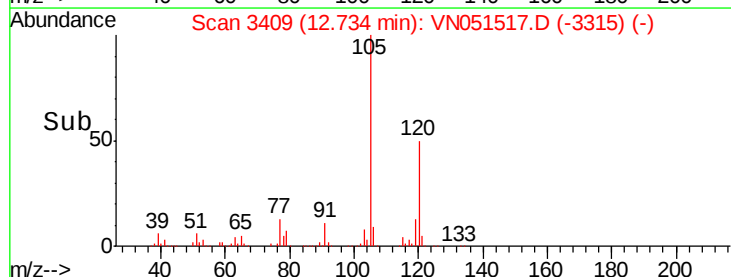
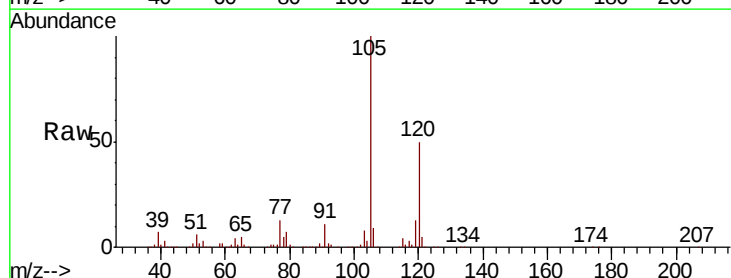
Acq: 26 Sep 2018 6:14

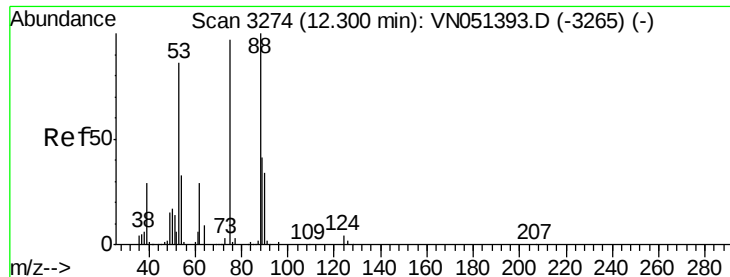
Tgt Ion: 105 Resp: 401470

Ion Ratio Lower Upper

105 100

120 49.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.845 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion: 75 Resp: 27678

Ion Ratio Lower Upper

75 100

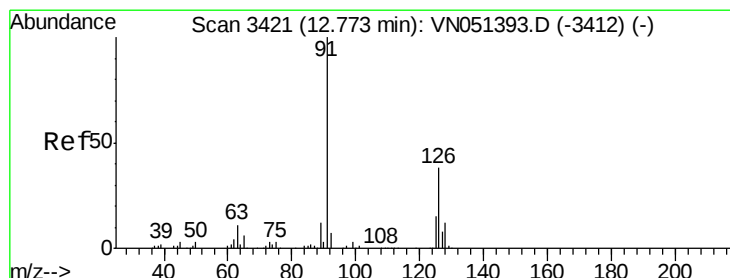
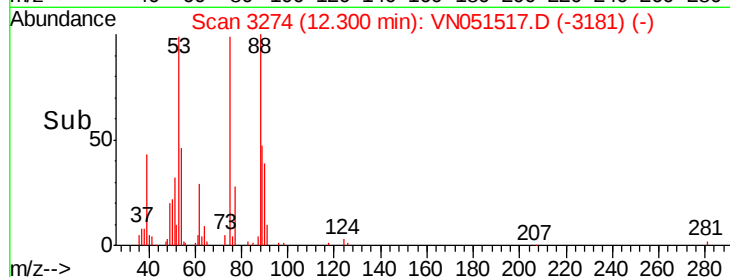
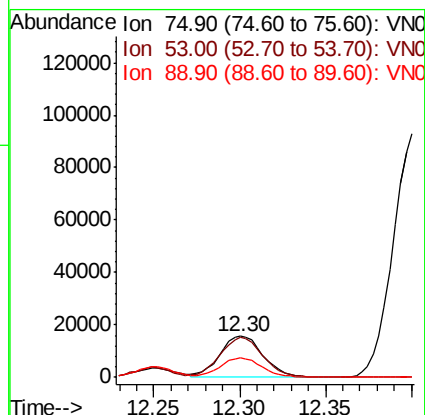
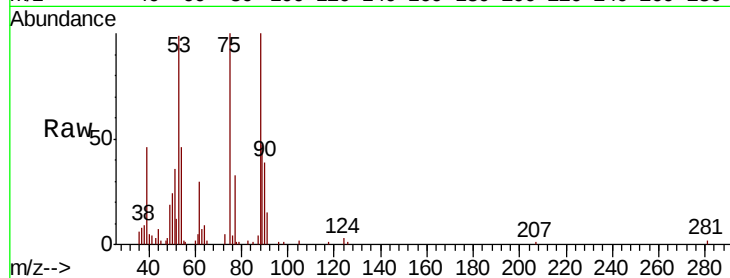
53 97.0 73.9 110.9

89 44.6 36.7 55.1

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#82

4-Chlorotoluene

Concen: 18.996 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051517.D

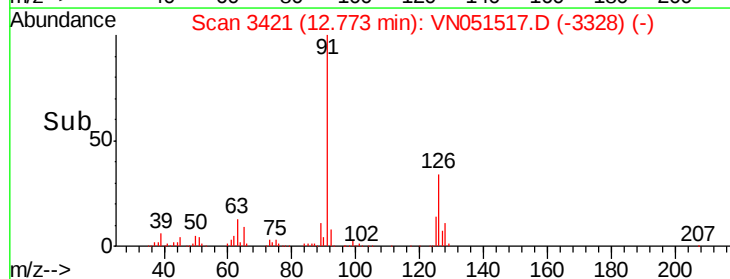
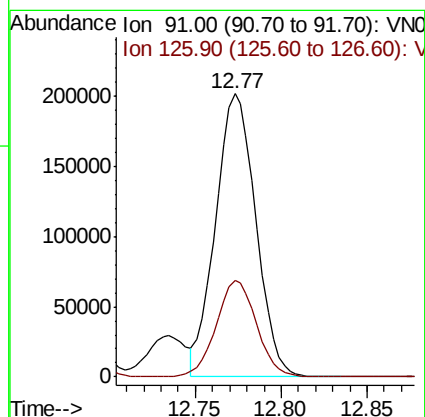
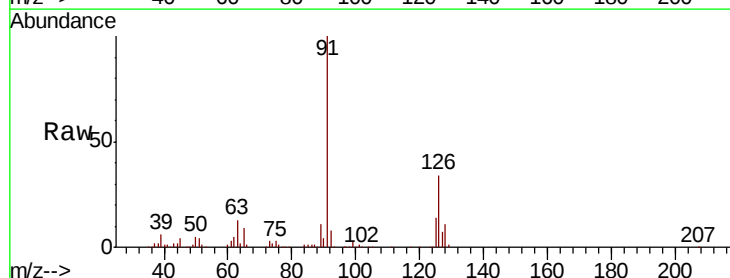
Acq: 26 Sep 2018 6:14

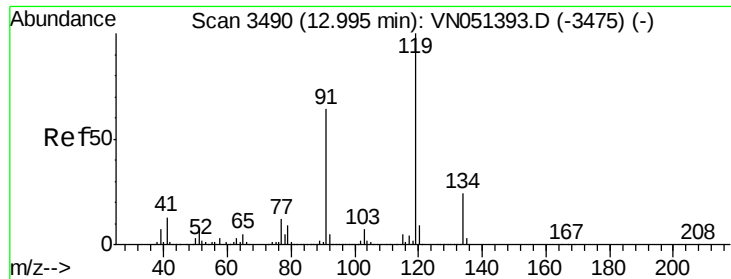
Tgt Ion: 91 Resp: 328457

Ion Ratio Lower Upper

91 100

126 34.2 17.5 52.5





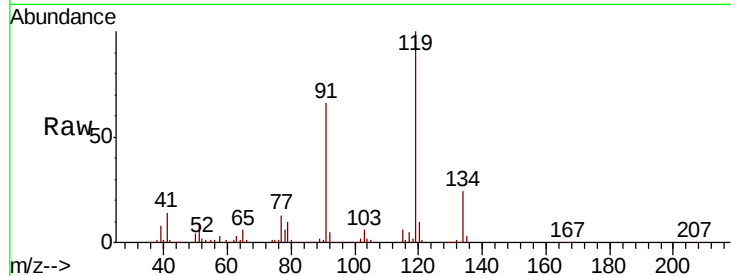
#83
 tert-Butylbenzene
 Concen: 19.318 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

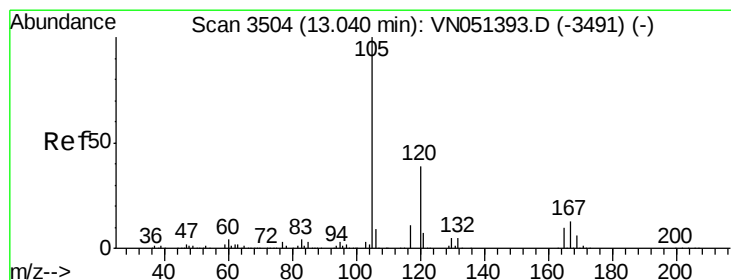
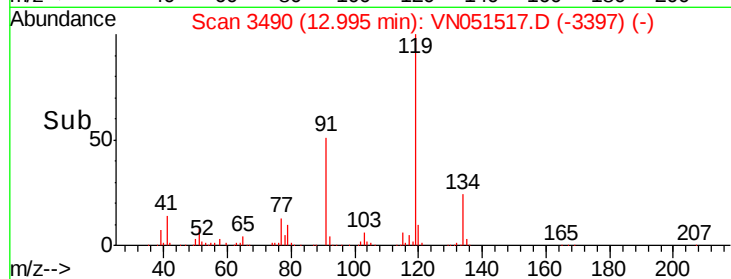
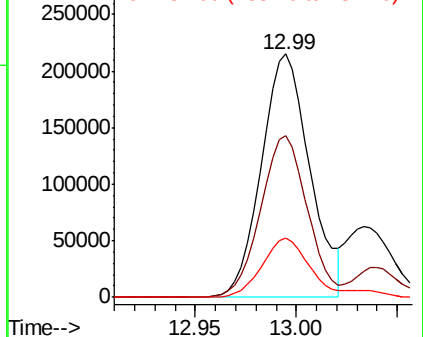
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	360045		
91	63.8	31.7	95.1	
134	23.6	12.3	36.9	

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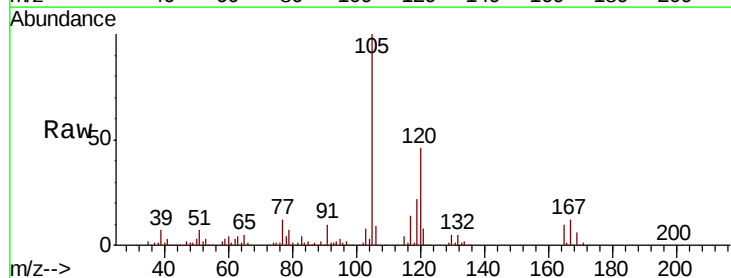


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

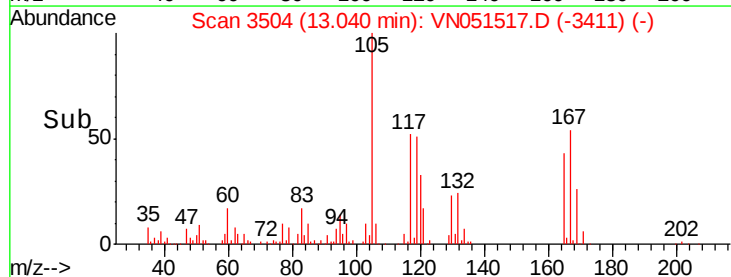
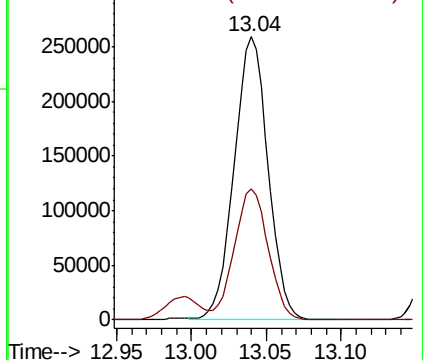


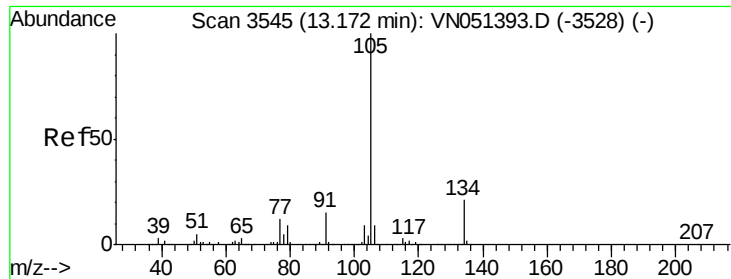
#84
 1,2,4-Trimethylbenzene
 Concen: 19.388 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	409084		
120	46.5	22.9	68.7	



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





#85

sec-Butylbenzene

Concen: 19.191 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS02

Tgt Ion:105 Resp: 483888

Ion Ratio Lower Upper

105 100

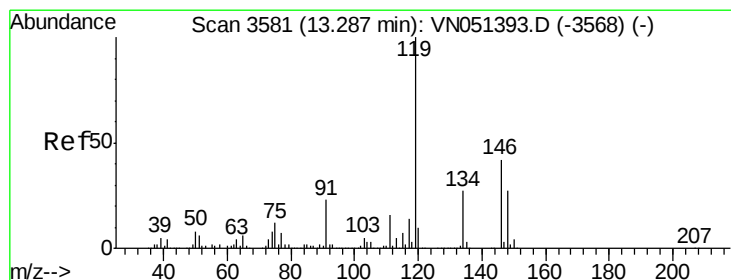
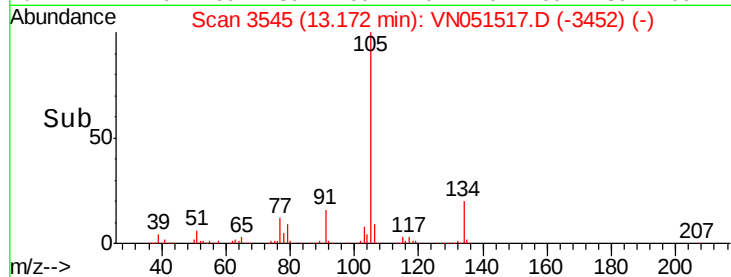
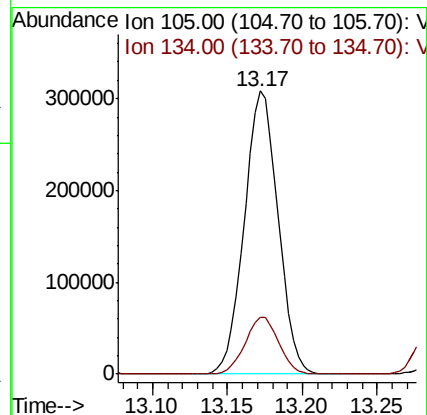
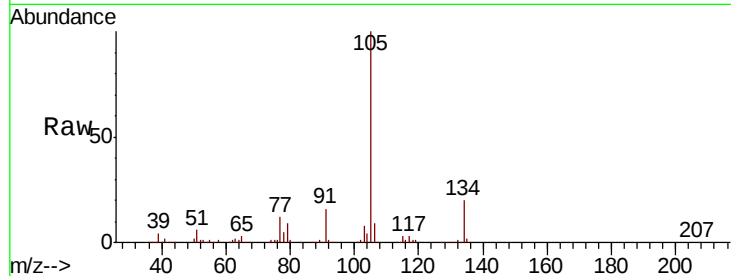
134 20.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 18.603 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051517.D

Acq: 26 Sep 2018 6:14

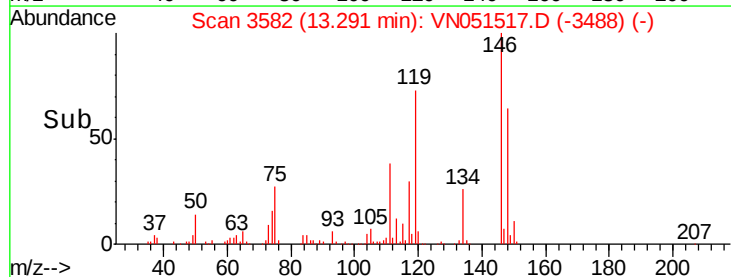
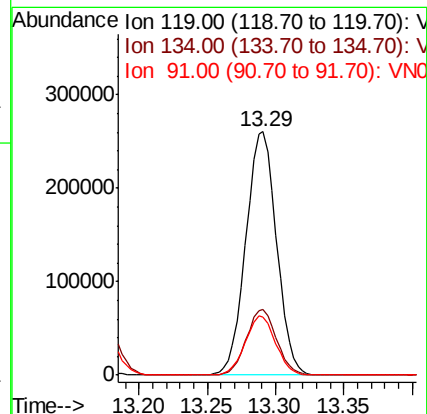
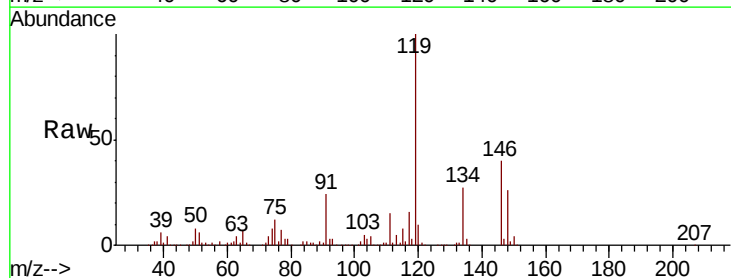
Tgt Ion:119 Resp: 405858

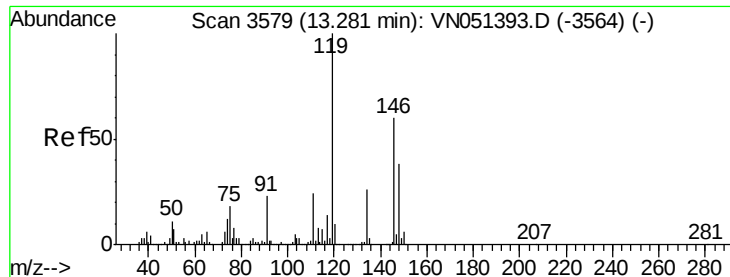
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.8 11.4 34.2





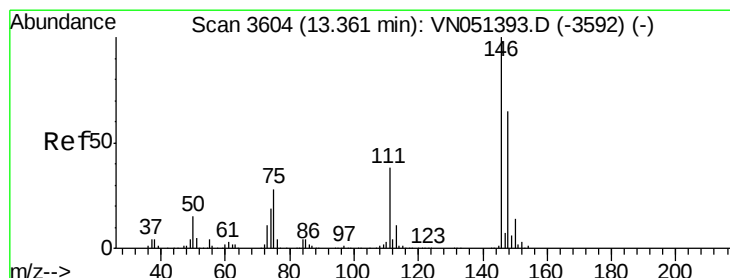
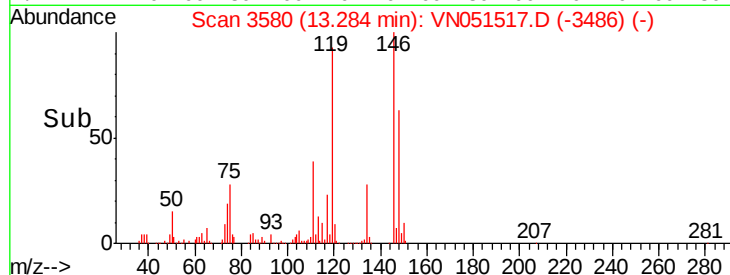
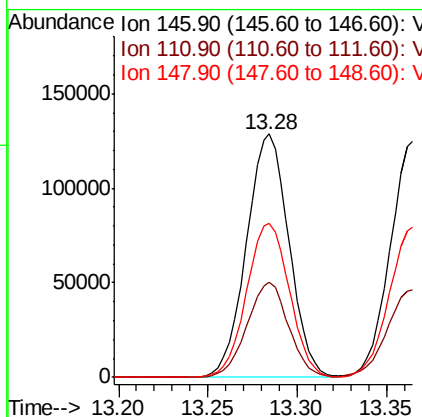
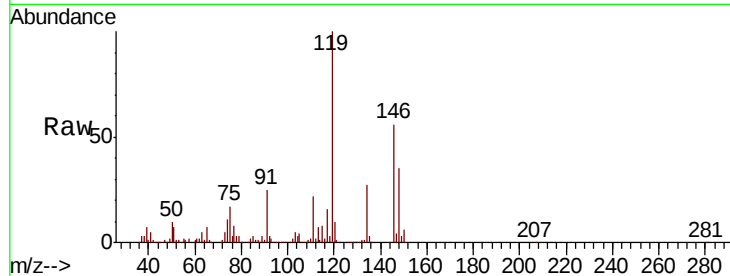
#87
 1,3-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214179		
111	38.1	19.7	59.1	
148	63.7	31.9	95.7	

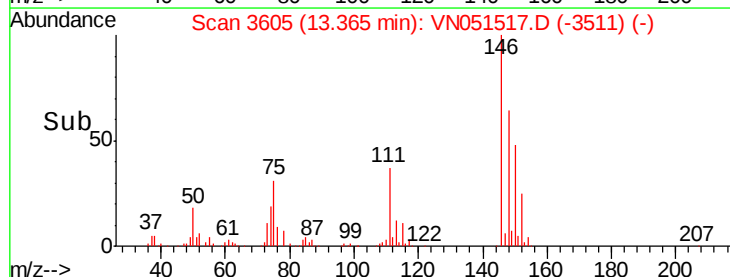
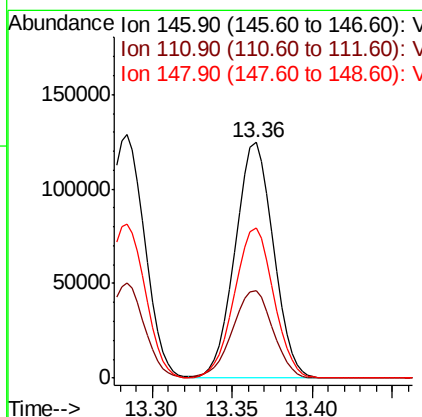
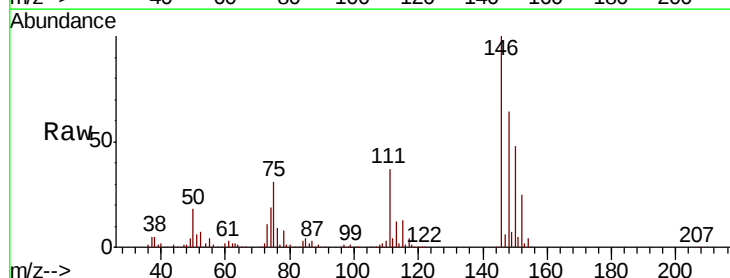
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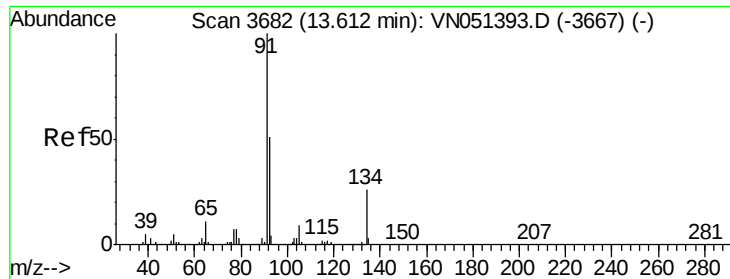
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#88
 1,4-Dichlorobenzene
 Concen: 18.820 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203712		
111	39.1	19.1	57.1	
148	65.3	32.5	97.5	





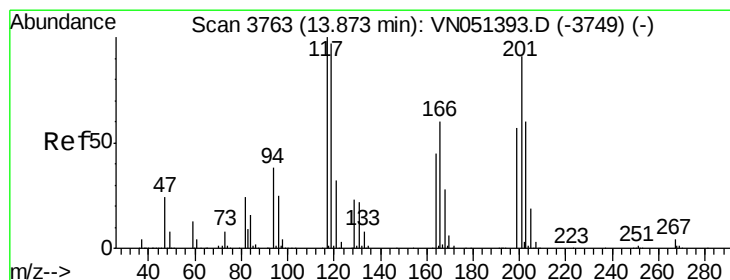
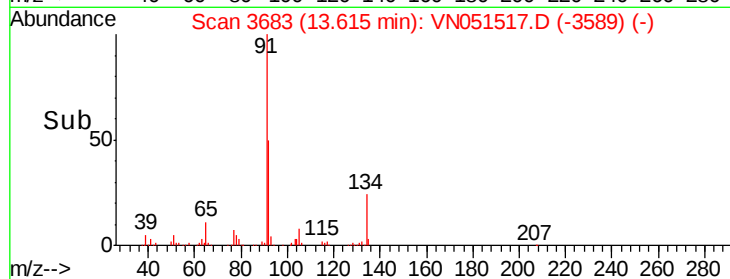
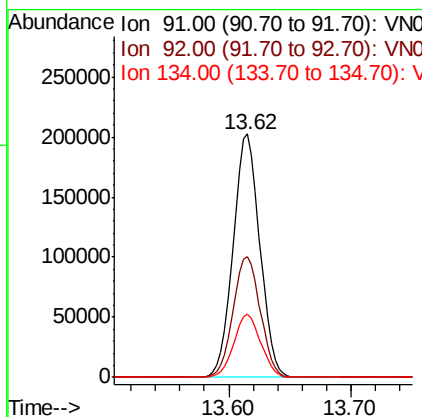
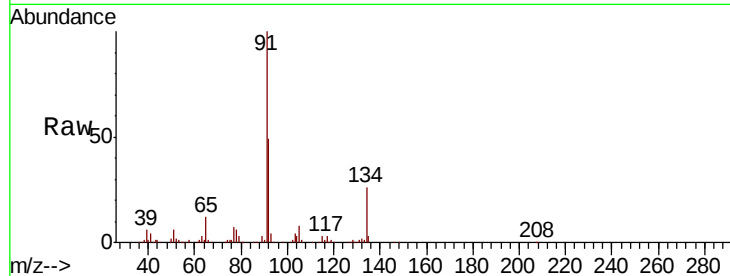
#89
n-Butylbenzene
Concen: 17.156 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.5	76.5
134	26.1	13.3	39.8

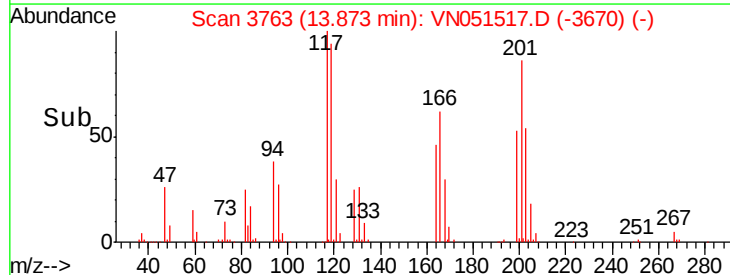
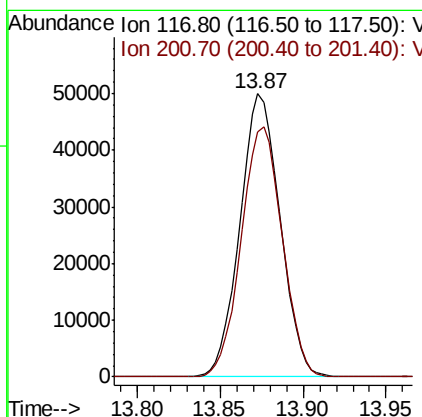
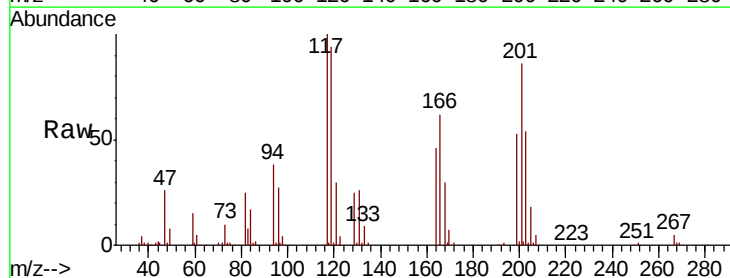
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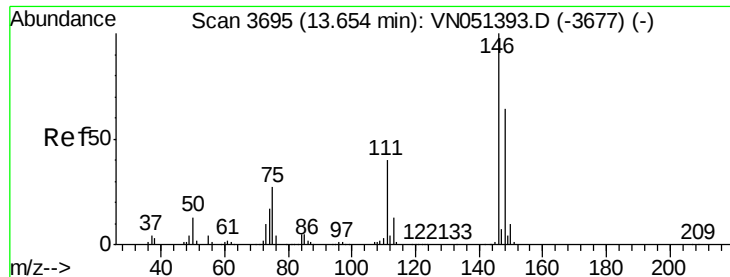
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#90
Hexachloroethane
Concen: 19.358 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.5	136.4





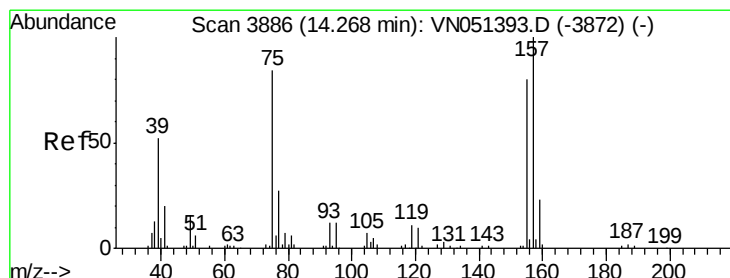
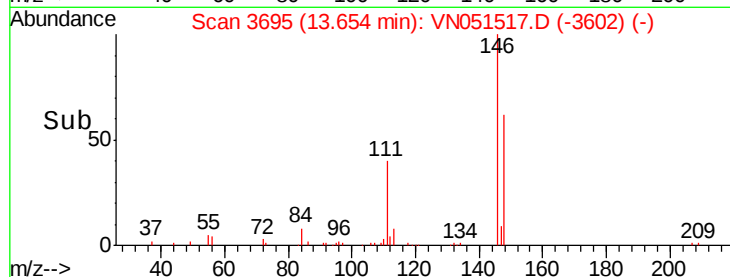
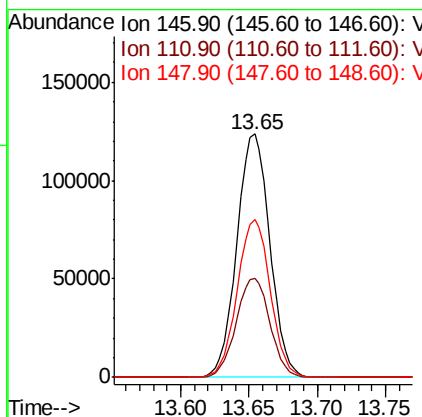
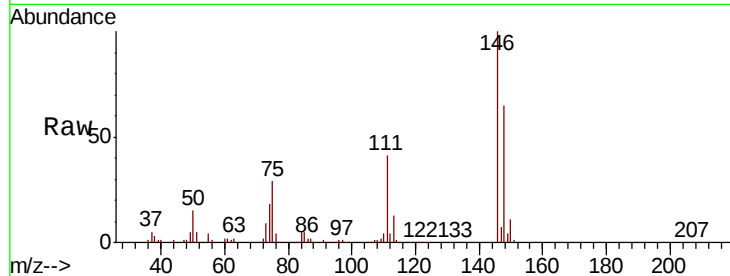
#91
 1,2-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208413		
111	41.4	20.0	60.0	
148	64.8	32.1	96.5	

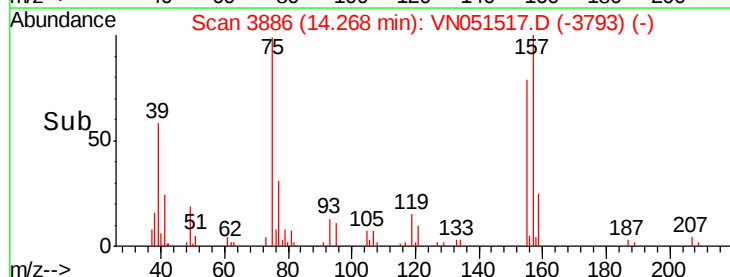
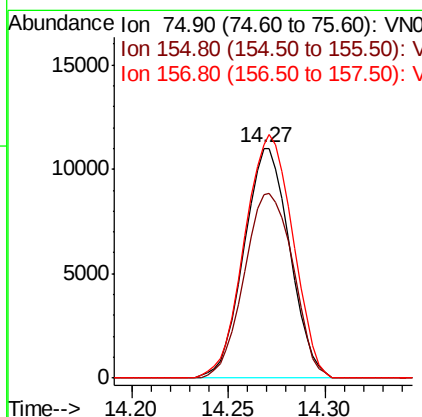
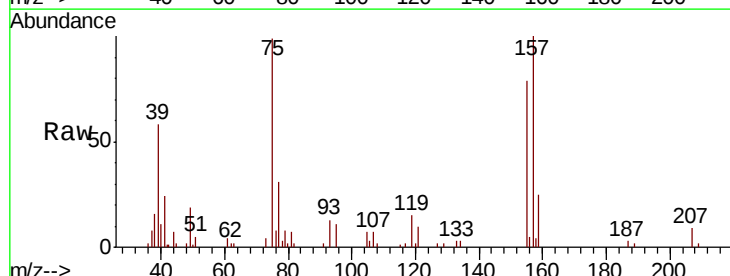
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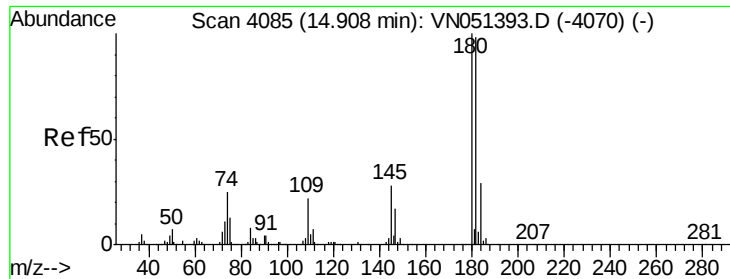
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.257 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18166		
155	85.5	46.9	140.6	
157	111.2	58.4	175.1	





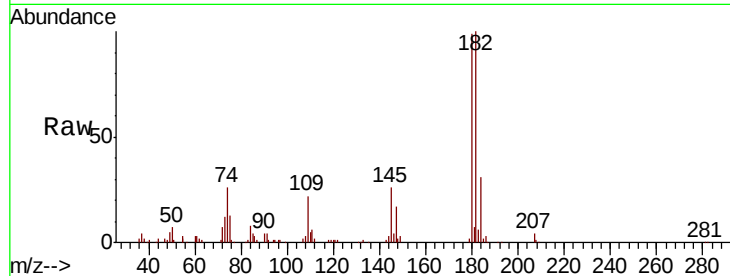
#93
 1,2,4-Trichlorobenzene
 Concen: 18.633 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS02

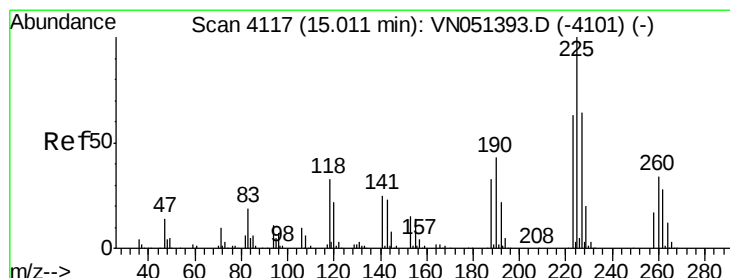
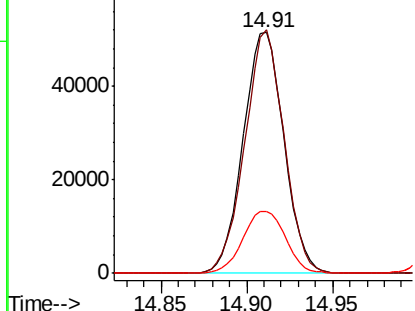
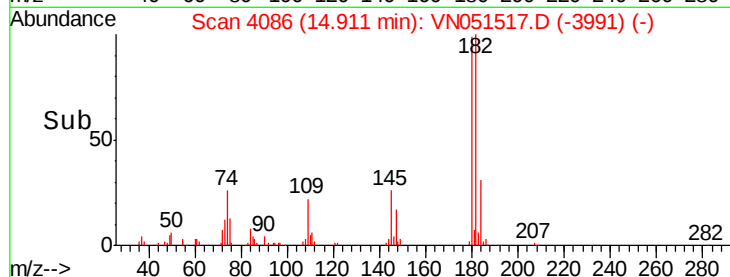
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84567		
182	97.1	48.5	145.6	
145	26.9	14.1	42.4	

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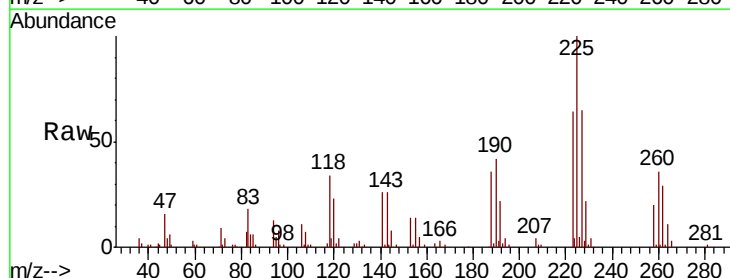


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

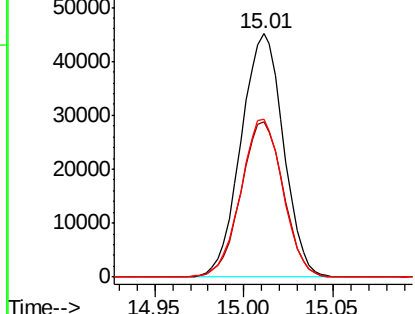
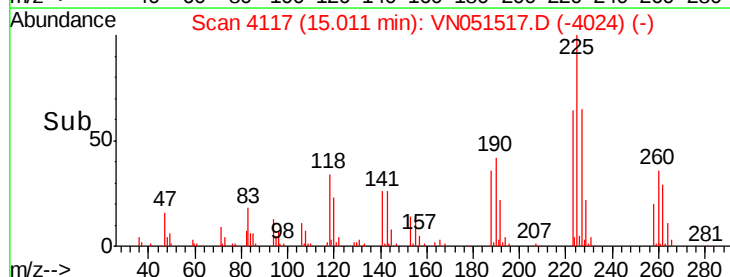


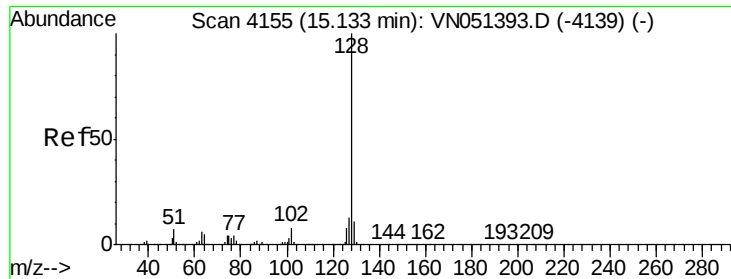
#94
 Hexachlorobutadiene
 Concen: 18.103 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051517.D
 Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74763		
223	63.7	31.9	95.9	
227	64.5	32.5	97.5	



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





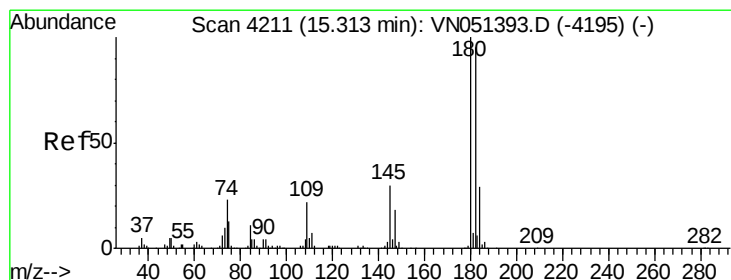
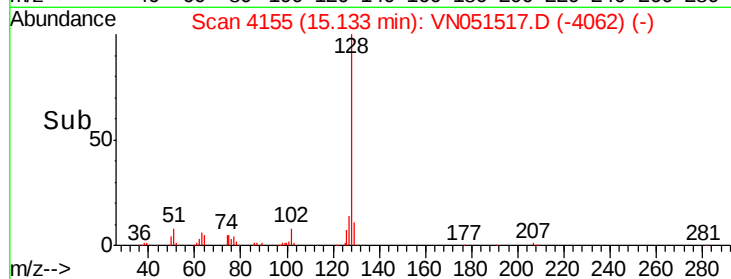
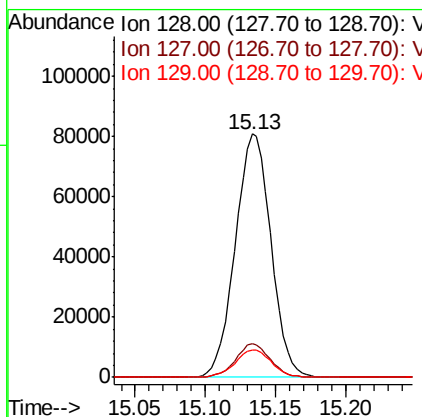
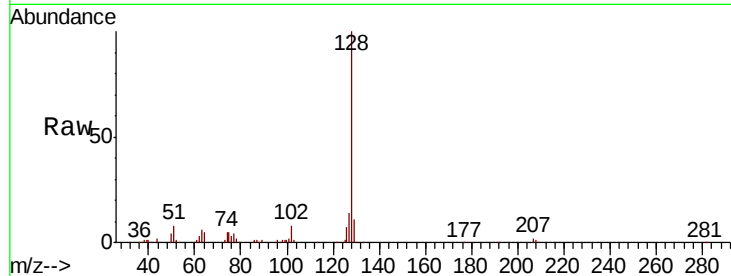
#95
Naphthalene
Concen: 18.670 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	143289		
127	13.3	10.5	15.7	
129	11.5	8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 17.246 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051517.D
Acq: 26 Sep 2018 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90337		
182	94.1	47.2	141.6	
145	30.7	14.6	43.8	

