

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051784.D
 Acq On : 10 Oct 2018 12:26
 Operator : MD\SY
 Sample : VN1010MBSD02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:15 PM

Quant Time: Oct 11 02:23:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	973268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	489767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	444971	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	7.59	113	422336	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.09	98	1539468	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	512955	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160599	18.780	ug/l	100
3) Chloromethane	2.06	50	144887	17.841	ug/l	99
4) Vinyl Chloride	2.18	62	217598	17.010	ug/l	99
5) Bromomethane	2.56	94	194255	19.746	ug/l	98
6) Chloroethane	2.70	64	150768	17.536	ug/l	99
7) Trichlorofluoromethane	3.01	101	284286	20.550	ug/l	98
8) Diethyl Ether	3.41	74	75562	20.270	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141674	19.926	ug/l	96
10) Methyl Iodide	3.95	142	177081	20.294	ug/l	100
11) Tert butyl alcohol	4.79	59	62388m	97.653	ug/l	
12) 1,1-Dichloroethene	3.74	96	130458	19.686	ug/l	93
13) Acrolein	3.61	56	22737	47.264	ug/l	96
14) Allyl chloride	4.33	41	167732	16.595	ug/l	96
15) Acrylonitrile	4.99	53	217022	98.440	ug/l	99
16) Acetone	3.82	43	176681	100.990	ug/l	97
17) Carbon Disulfide	4.05	76	321376	15.955	ug/l	97
18) Methyl Acetate	4.33	43	112791	21.738	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	420296	19.215	ug/l	98
20) Methylene Chloride	4.55	84	152125	19.669	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	149642	19.056	ug/l	85
22) Diisopropyl ether	5.96	45	377813	17.438	ug/l	97
23) Vinyl Acetate	5.90	43	1362470	85.525	ug/l	95
24) 1,1-Dichloroethane	5.85	63	255215	18.316	ug/l	97
25) 2-Butanone	6.84	43	261689	96.404	ug/l	93
26) 2,2-Dichloropropane	6.83	77	261828	18.751	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	177645	19.487	ug/l	94
28) Bromochloromethane	7.20	49	108413	17.574	ug/l	87
29) Tetrahydrofuran	7.22	42	158350	95.059	ug/l	91
30) Chloroform	7.37	83	302165	19.301	ug/l	98
31) Cyclohexane	7.66	56	219735	17.219	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	287218	18.927	ug/l	98
36) 1,1-Dichloropropene	7.80	75	207811	19.085	ug/l	98
37) Ethyl Acetate	6.93	43	112137	19.746	ug/l	99
38) Carbon Tetrachloride	7.78	117	253766	19.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	261182	19.108	ug/l	96
40) Benzene	8.05	78	629318	19.496	ug/l	97
41) Methacrylonitrile	7.18	41	57281	19.393	ug/l	97
42) 1,2-Dichloroethane	8.13	62	210897	19.387	ug/l	99
43) Isopropyl Acetate	8.17	43	227062	19.177	ug/l #	87
44) Trichloroethene	8.84	130	191496	20.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	152657	19.128	ug/l	97
46) Dibromomethane	9.21	93	114929	20.718	ug/l	98
47) Bromodichloromethane	9.41	83	232951	19.076	ug/l	97
48) Methyl methacrylate	9.20	41	101232	18.711	ug/l	95
49) 1,4-Dioxane	9.20	88	36257	446.913	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	595280	99.216	ug/l	97
52) Toluene	10.16	92	422136	19.662	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227257	18.035	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	250388	18.712	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	158190	20.684	ug/l	99
56) Ethyl methacrylate	10.43	69	193871	20.045	ug/l	96
57) 1,3-Dichloropropane	10.71	76	248298	20.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	364081	90.955	ug/l	95
59) 2-Hexanone	10.75	43	400229	98.223	ug/l	98
60) Dibromochloromethane	10.90	129	191933	19.177	ug/l	100
61) 1,2-Dibromoethane	11.01	107	165284	20.443	ug/l	99
64) Tetrachloroethene	10.63	164	181737	21.165	ug/l	98
65) Chlorobenzene	11.44	112	491088	20.373	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	187903	19.469	ug/l	99
67) Ethyl Benzene	11.51	91	824783	19.796	ug/l	100
68) m/p-Xylenes	11.62	106	647579	38.846	ug/l	99
69) o-Xylene	11.95	106	322401	19.721	ug/l	100
70) Styrene	11.96	104	487882	18.728	ug/l	99
71) Bromoform	12.13	173	123661	17.226	ug/l #	98
73) Isopropylbenzene	12.25	105	868146	20.794	ug/l	100
74) N-amyl acetate	12.07	43	175104	18.206	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	193836	21.760	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168747m	25.738	ug/l	
77) Bromobenzene	12.53	156	211970	20.765	ug/l	97
78) n-propylbenzene	12.59	91	911841	20.024	ug/l	99
79) 2-Chlorotoluene	12.68	91	551609	20.554	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	715797	20.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49360	18.526	ug/l	97
82) 4-Chlorotoluene	12.77	91	545148	20.220	ug/l	100
83) tert-Butylbenzene	12.99	119	660682	20.956	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	721618	20.476	ug/l	99
85) sec-Butylbenzene	13.17	105	858665	20.590	ug/l	99
86) p-Isopropyltoluene	13.29	119	756354	20.459	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	365288	20.536	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	359256	20.519	ug/l	99
89) n-Butylbenzene	13.62	91	572281	19.578	ug/l	99
90) Hexachloroethane	13.88	117	132390	17.948	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	366866	20.747	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29354	20.015	ug/l	97

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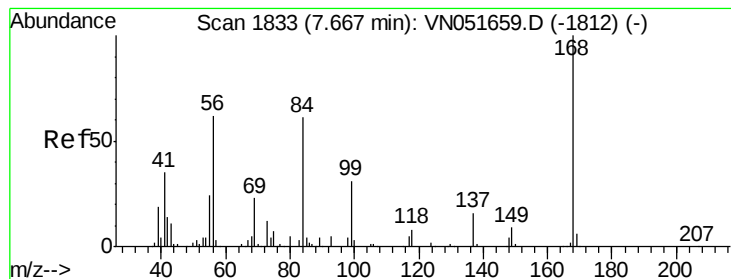
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159666	20.291	ug/l	99
94) Hexachlorobutadiene	15.01	225	114847	21.512	ug/l	99
95) Naphthalene	15.14	128	340508	20.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	166551	21.492	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion:168 Resp: 711595

Ion Ratio Lower Upper

168 100

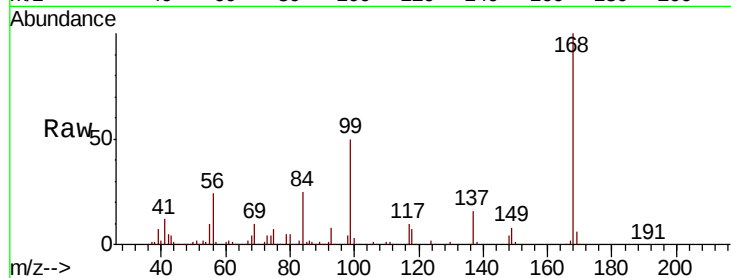
99 50.1 40.4 60.6

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

300000

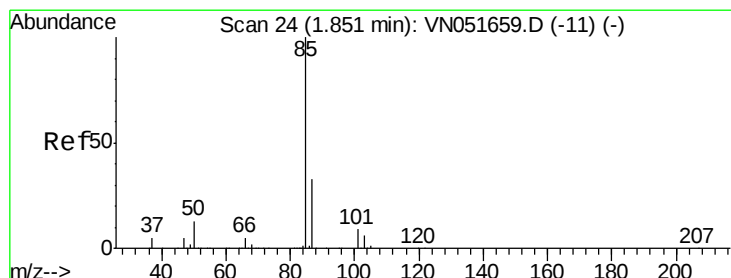
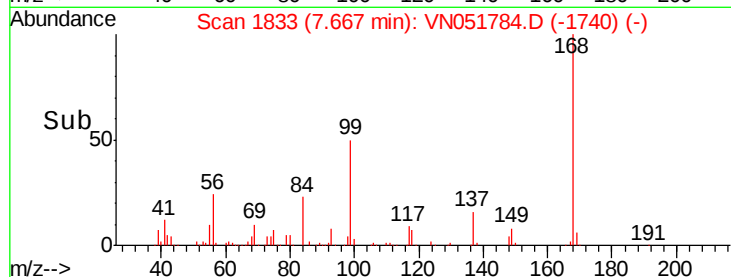
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.780 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051784.D

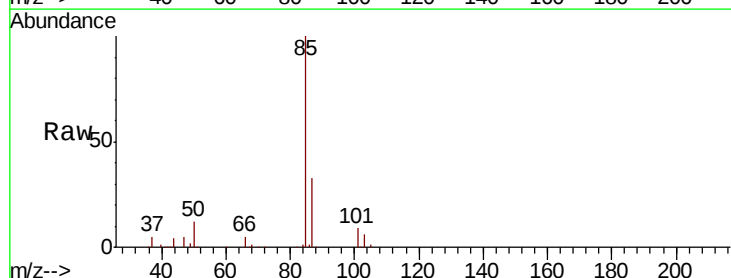
Acq: 10 Oct 2018 12:26

Tgt Ion: 85 Resp: 160599

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

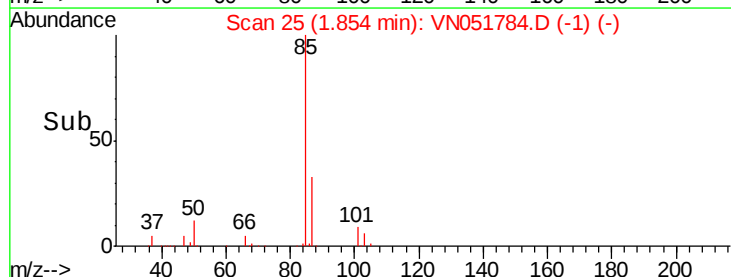
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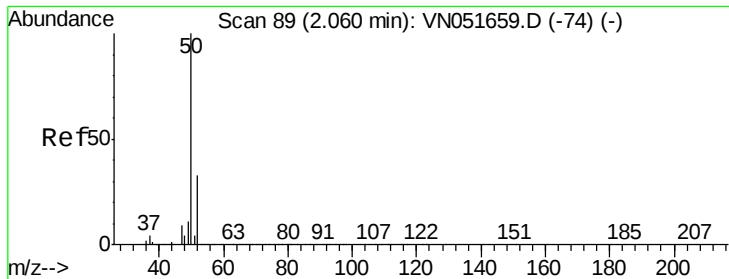
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.841 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 50 Resp: 144887

Ion Ratio Lower Upper

50 100

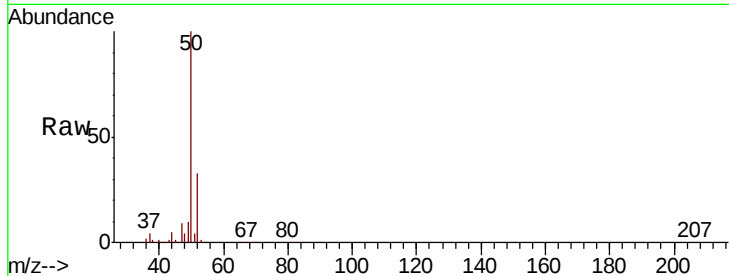
52 32.9 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

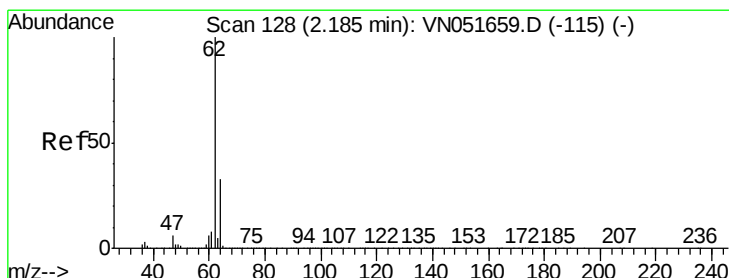
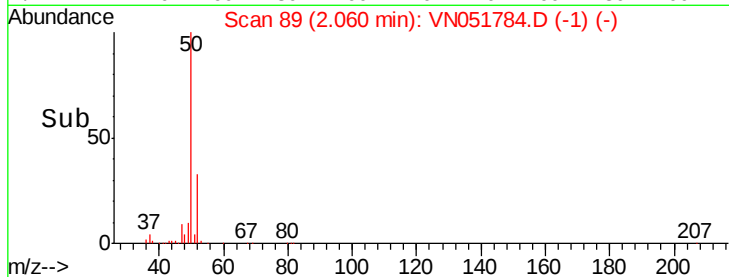
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.010 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051784.D

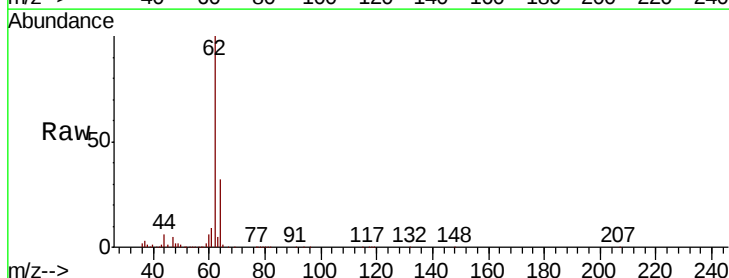
Acq: 10 Oct 2018 12:26

Tgt Ion: 62 Resp: 217598

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

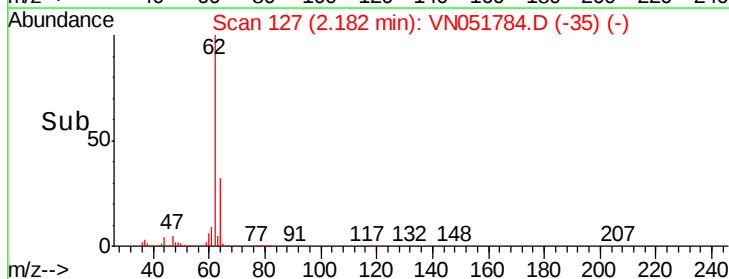
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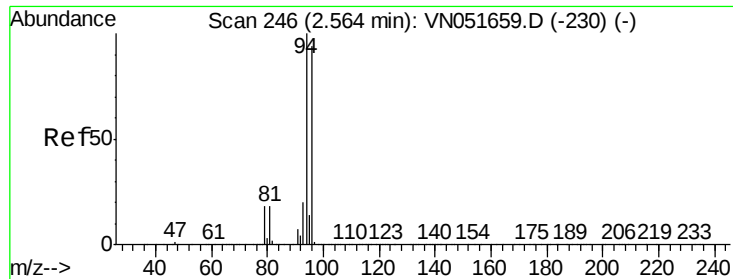
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.746 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 94 Resp: 194255

Ion Ratio Lower Upper

94 100

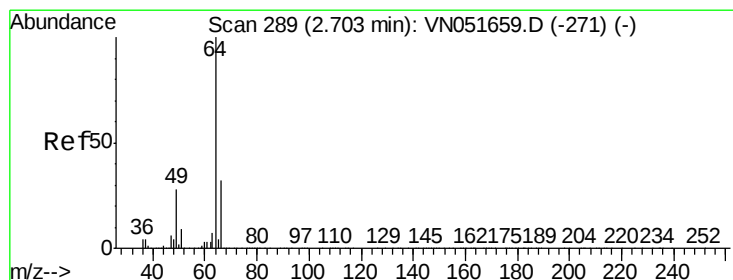
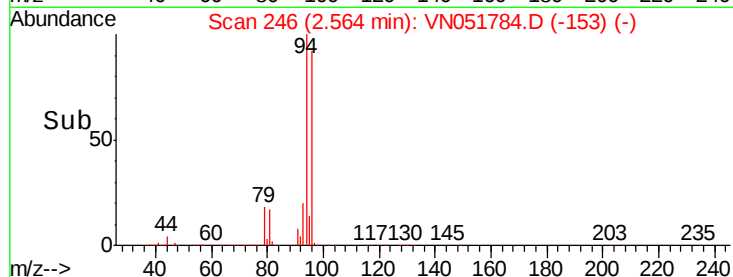
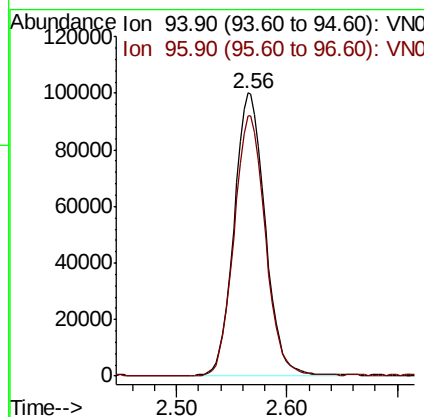
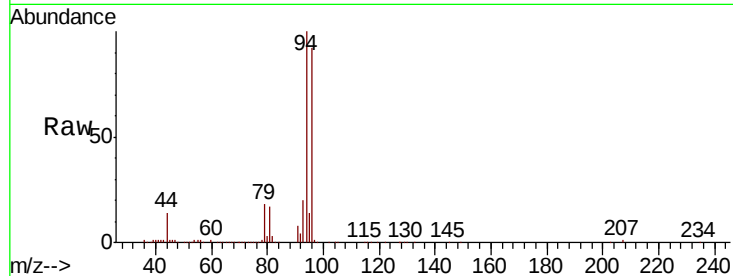
96 91.7 75.2 112.8

Manual Integrations

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10/11/2018 5:51:15 PM



#6

Chloroethane

Concen: 17.536 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051784.D

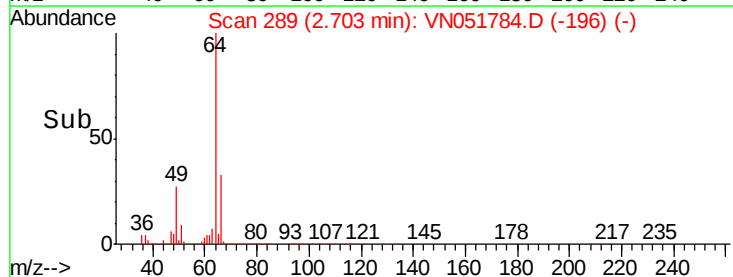
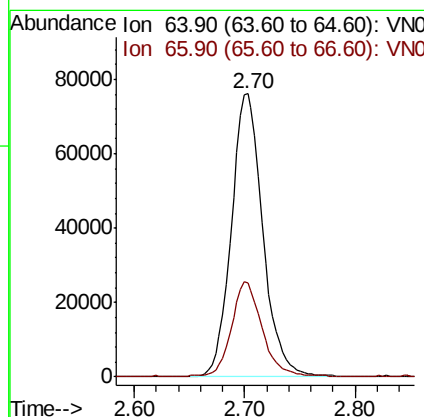
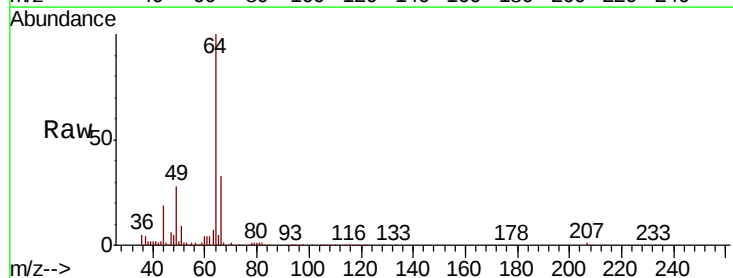
Acq: 10 Oct 2018 12:26

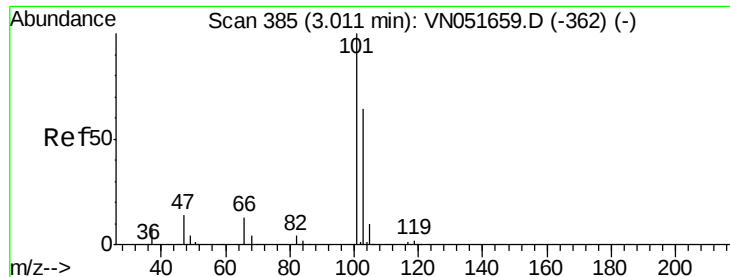
Tgt Ion: 64 Resp: 150768

Ion Ratio Lower Upper

64 100

66 33.0 26.0 39.0





#7

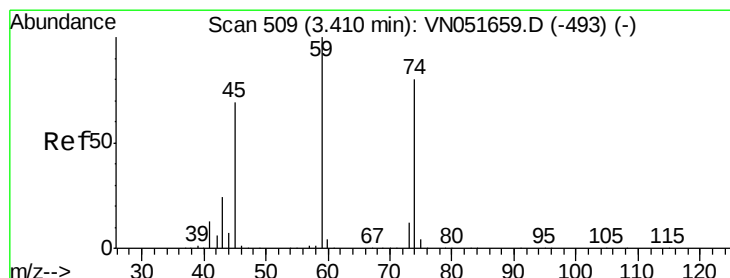
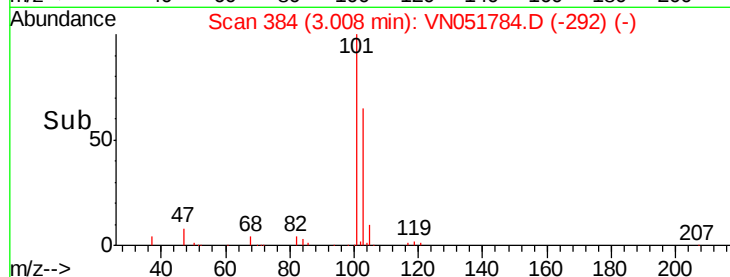
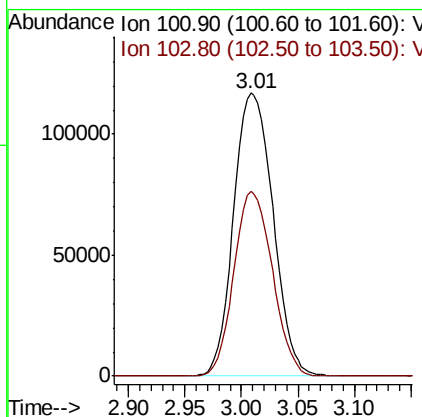
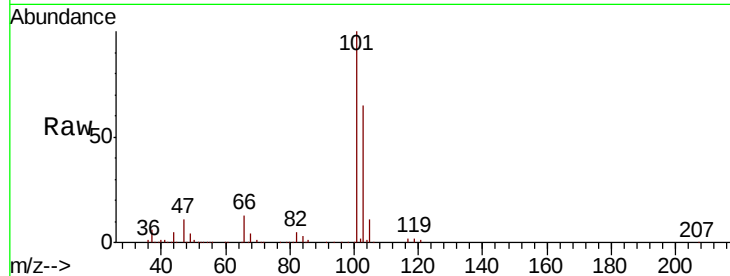
Trichlorofluoromethane
 Concen: 20.550 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
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 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.1	76.7

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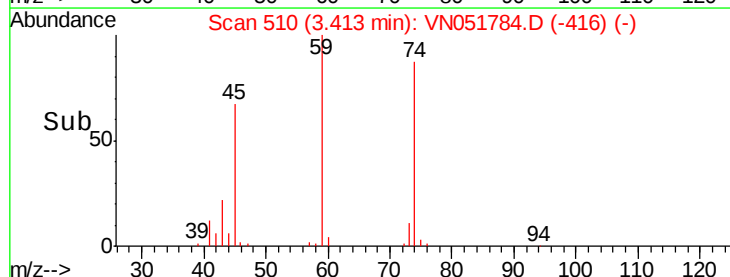
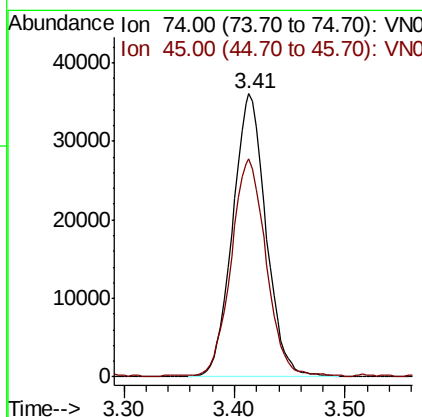
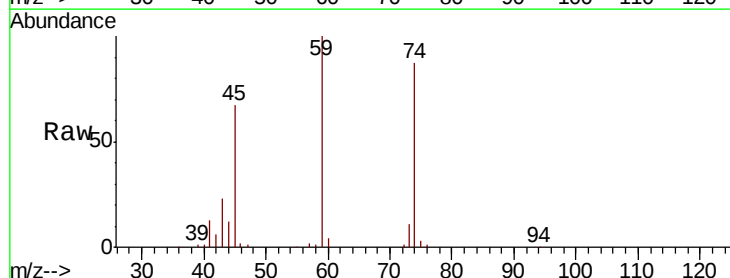
MMDadoda
 10/11/2018 5:51:15 PM

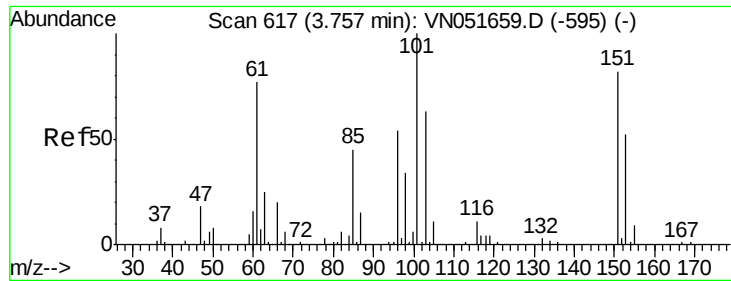


#8

Diethyl Ether
 Concen: 20.270 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.1	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.926 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

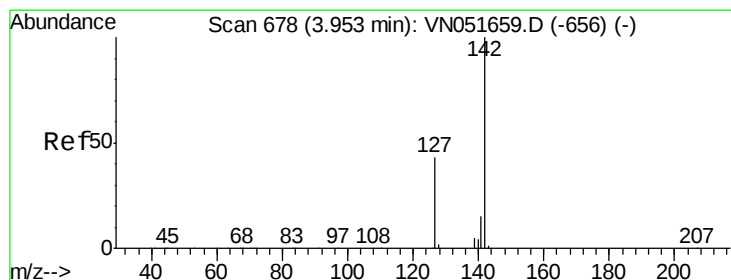
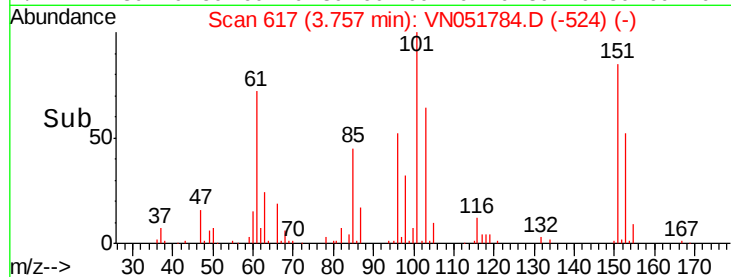
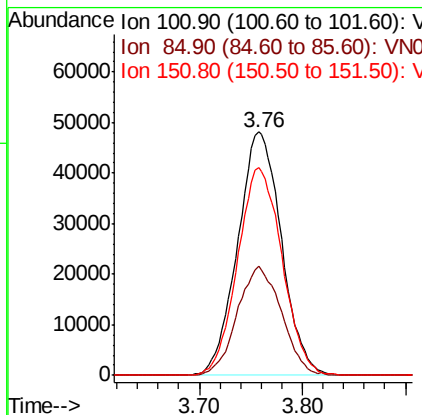
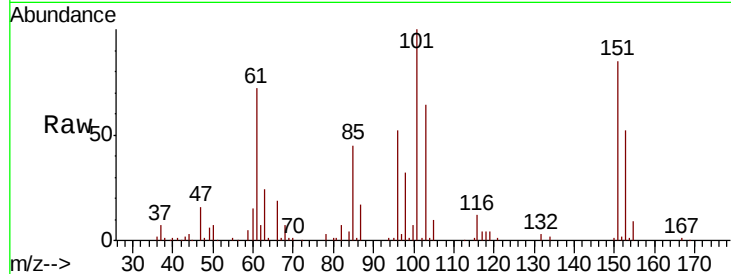
ClientSampleId :

VN1010MBSD02

Tot Ion:	101	Resp:	141674
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.6	53.4
151	86.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.294 ug/l

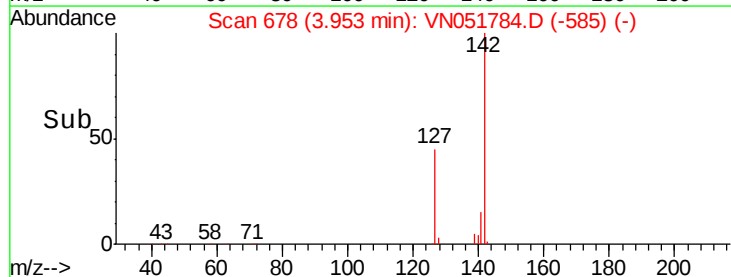
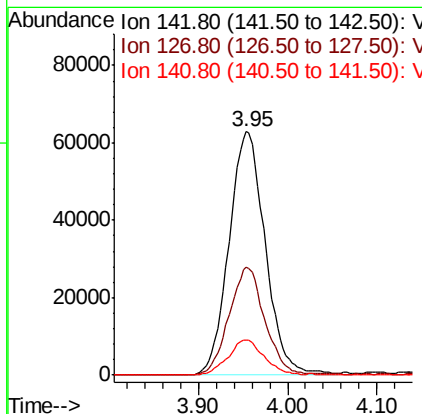
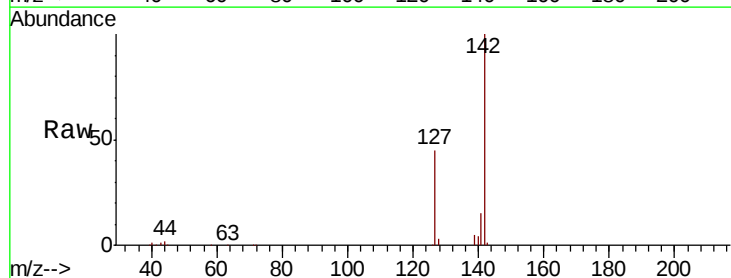
RT: 3.95 min Scan# 678

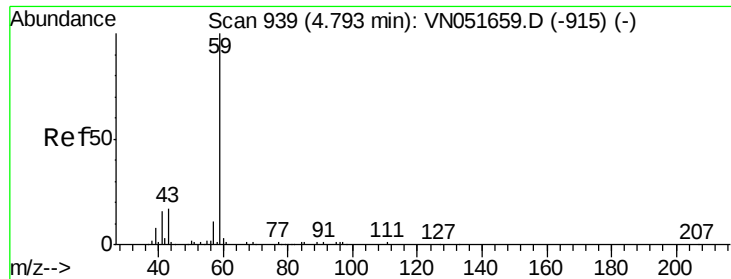
Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	142	Resp:	177081
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.7	52.1
141	14.4	11.4	17.2





#11

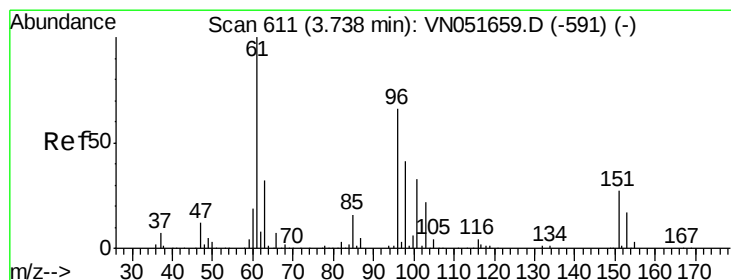
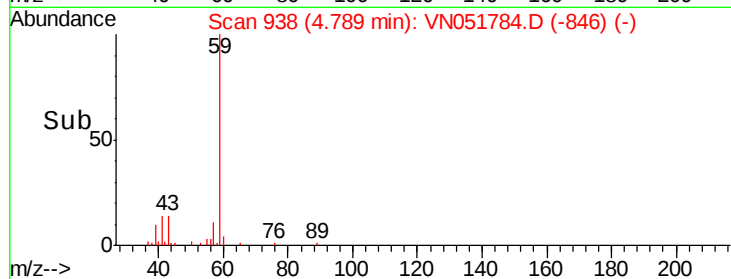
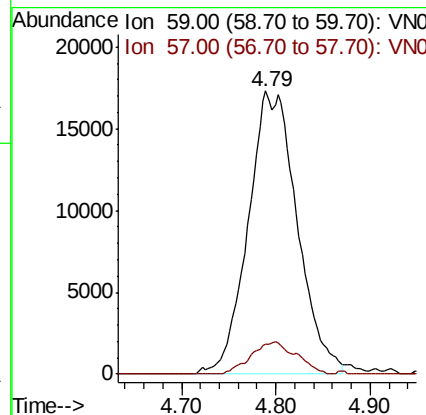
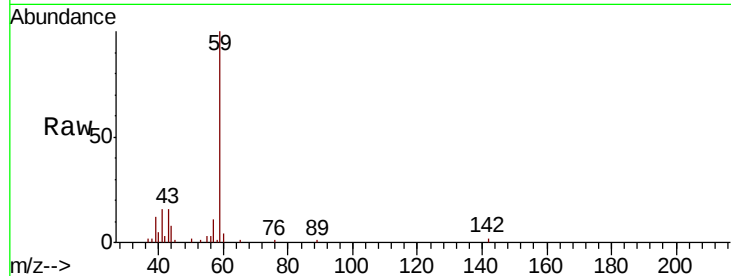
Tert butyl alcohol
 Concen: 97.653 ug/l m
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	59.00	Resp	62388
Ion Ratio	100	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
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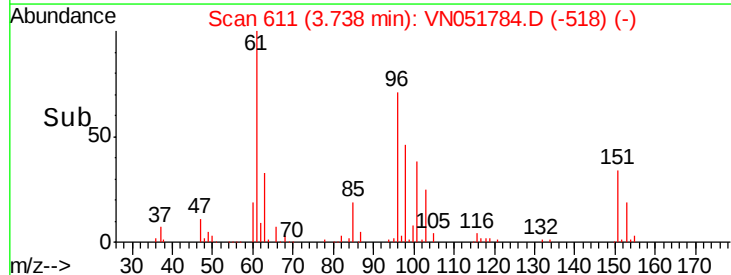
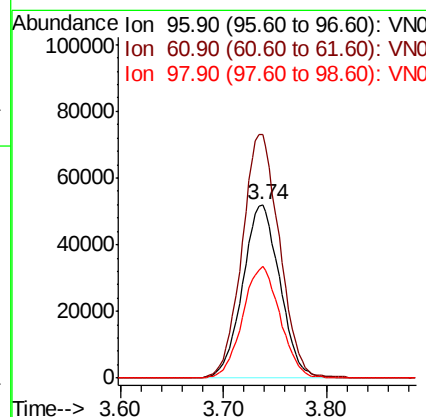
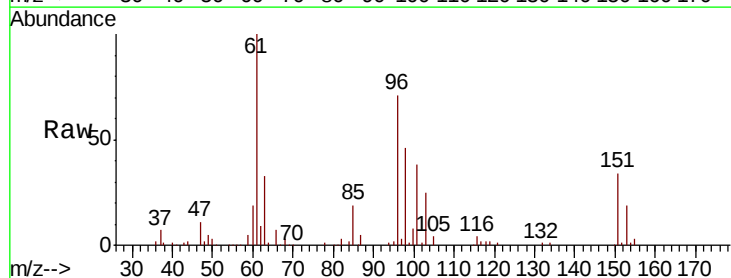
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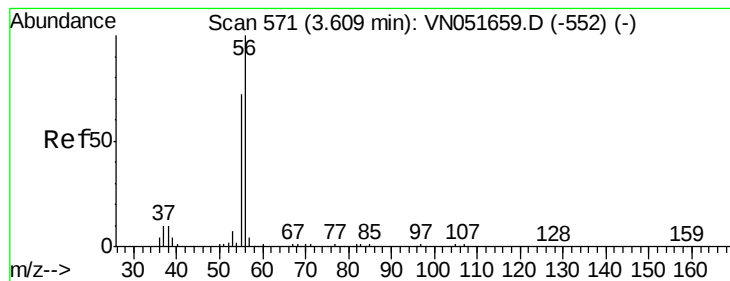


#12

1,1-Dichloroethene
 Concen: 19.686 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	96	Resp	130458
Ion Ratio	100	Lower	Upper
96	100		
61	139.9	121.4	182.0
98	64.4	49.9	74.9





#13

Acrolein

Concen: 47.264 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 56 Resp: 22737

Ion Ratio Lower Upper

56 100

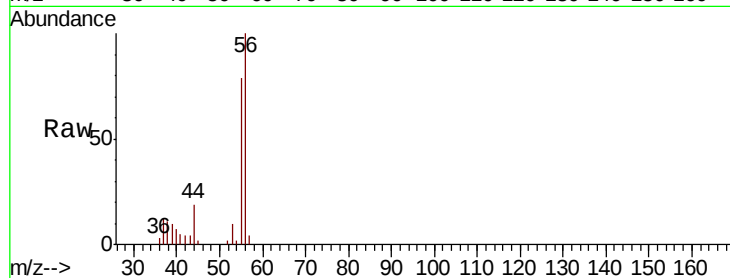
55 75.6 57.5 86.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN051784.D (-700) (-)

Ion 55.00 (54.70 to 55.70): VN051784.D (-700) (-)

3.61

10000

8000

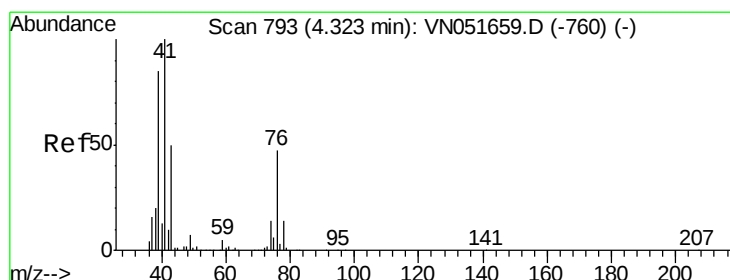
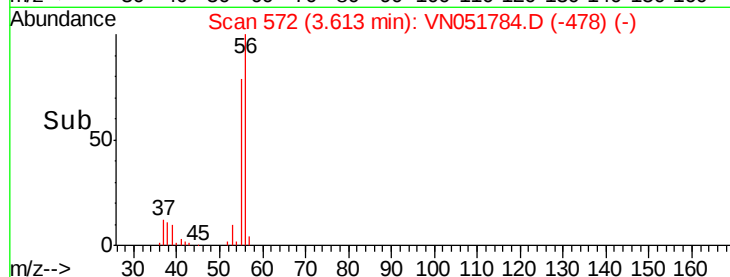
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 16.595 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

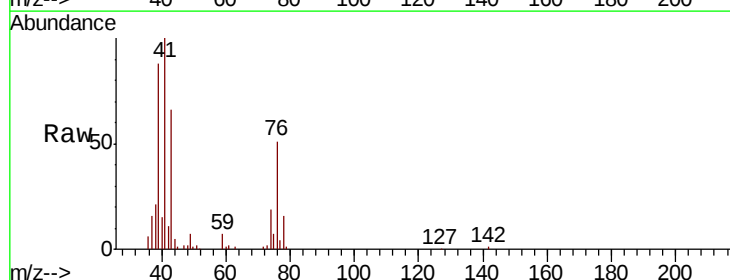
Tgt Ion: 41 Resp: 167732

Ion Ratio Lower Upper

41 100

39 84.5 65.4 98.0

76 47.2 34.3 51.5



Abundance Ion 41.00 (40.70 to 41.70): VN051784.D (-700) (-)

Ion 39.00 (38.70 to 39.70): VN051784.D (-700) (-)

Ion 75.90 (75.60 to 76.60): VN051784.D (-700) (-)

4.33

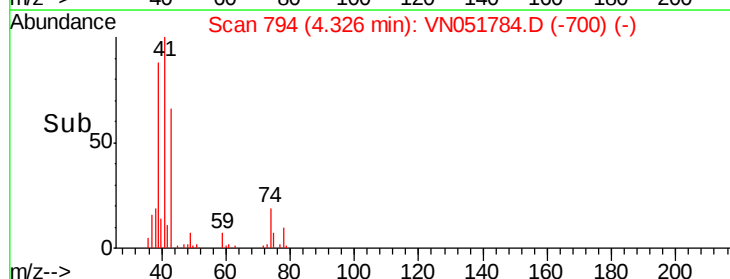
60000

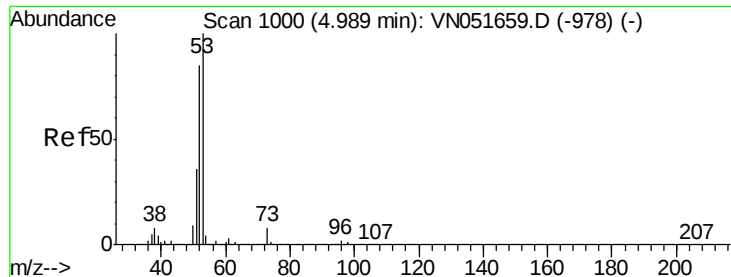
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 98.440 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

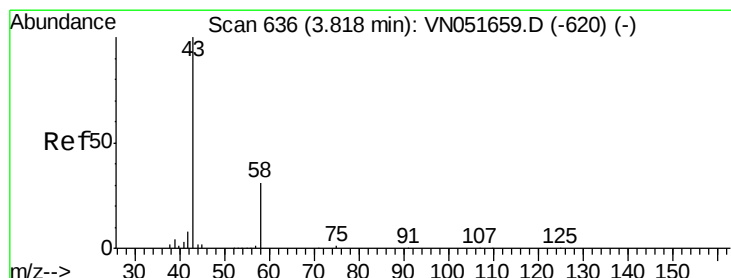
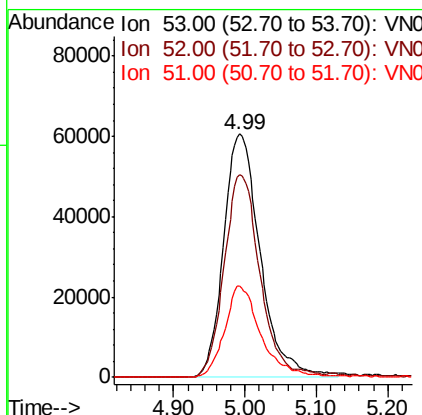
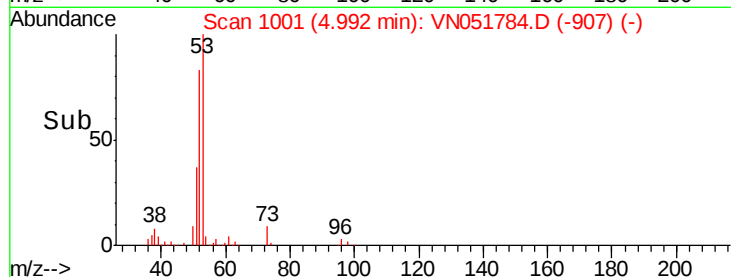
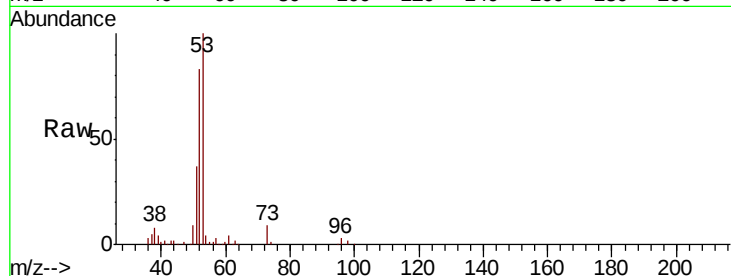
ClientSampleId :

VN1010MBSD02

Tot Ion:	53	Resp:	217022
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	37.2	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 100.990 ug/l

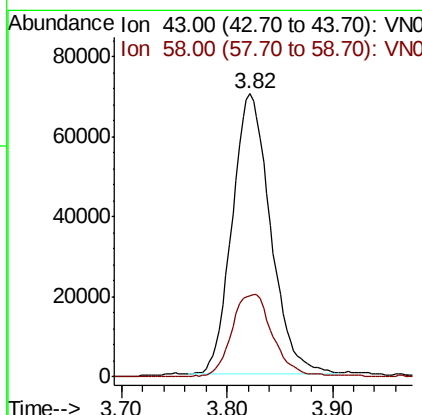
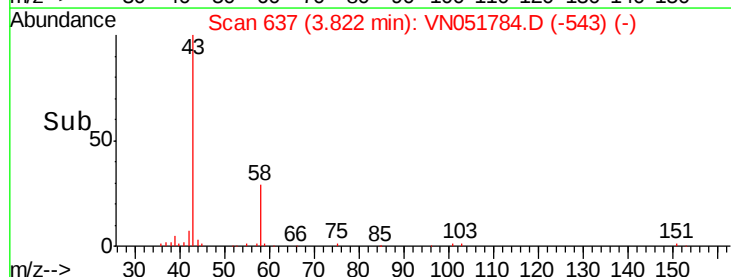
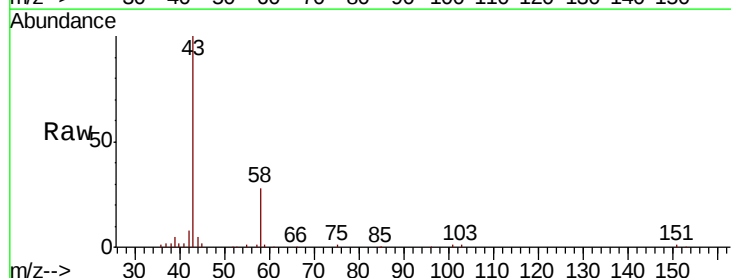
RT: 3.82 min Scan# 637

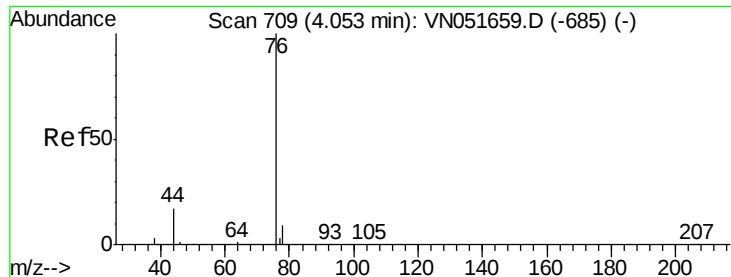
Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	43	Resp:	176681
Ion Ratio	Lower	Upper	
43	100		
58	28.8	24.3	36.5





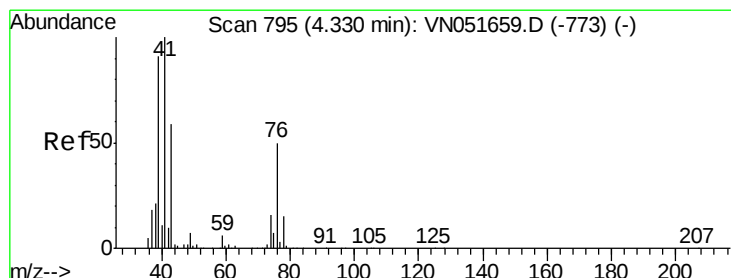
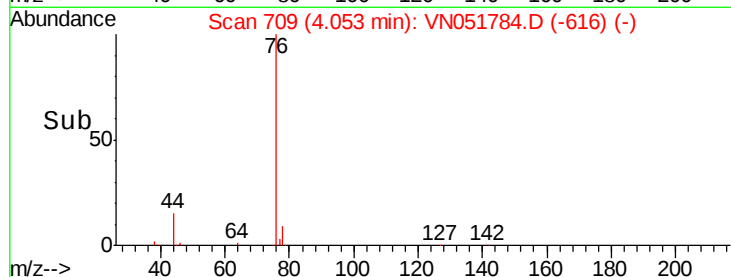
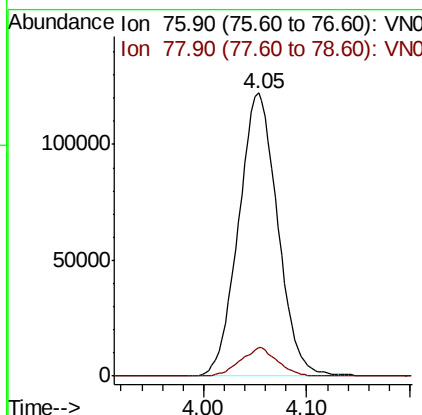
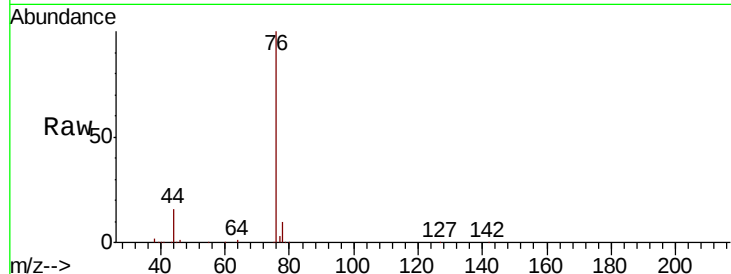
#17
Carbon Disulfide
Concen: 15.955 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

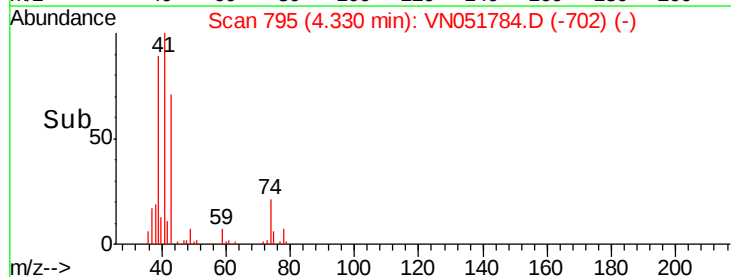
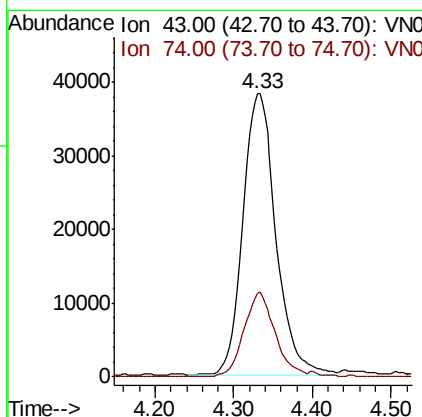
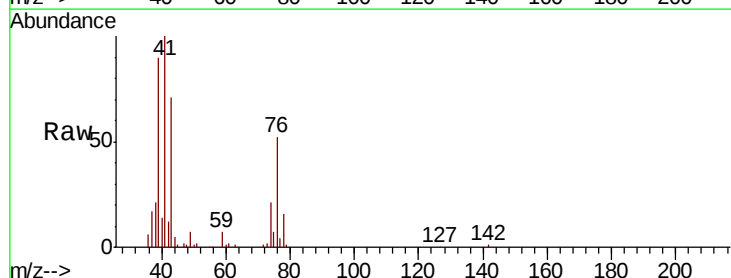
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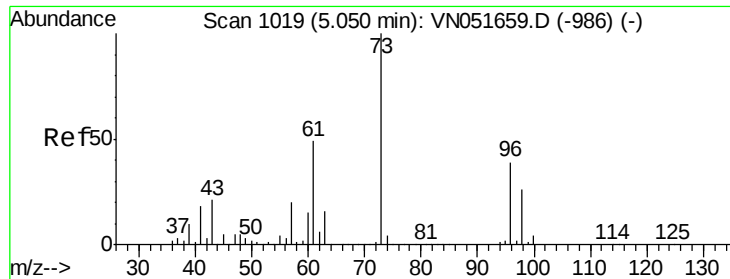
MMDadoda
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#18
Methyl Acetate
Concen: 21.738 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.5	32.3





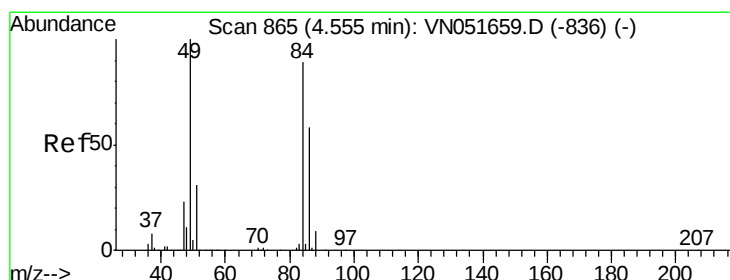
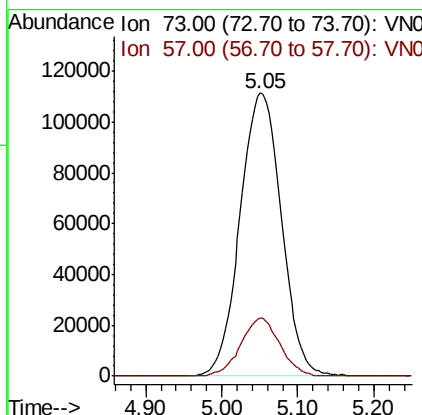
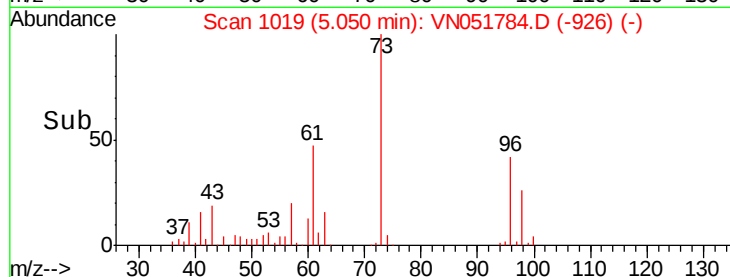
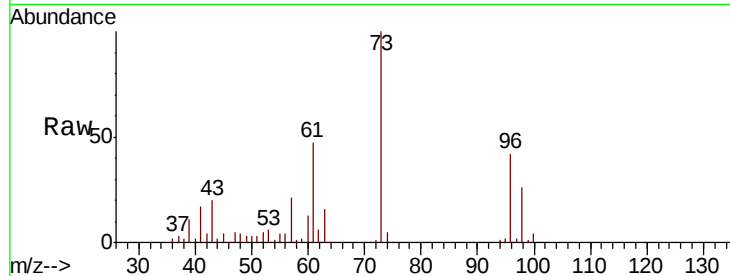
#19
Methvl tert-butvl Ether
Concen: 19.215 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion: 73 Resp: 420296
Ion Ratio Lower Upper
73 100
57 20.5 15.6 23.4

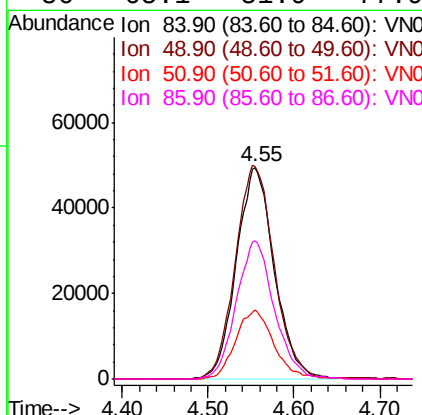
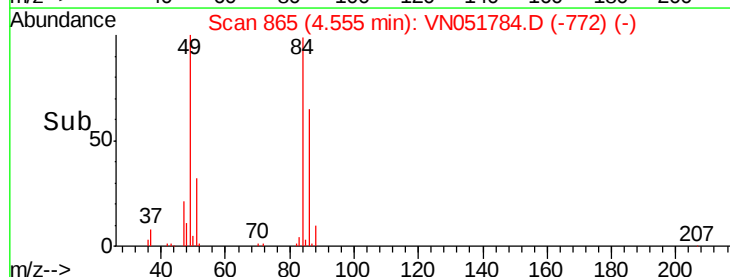
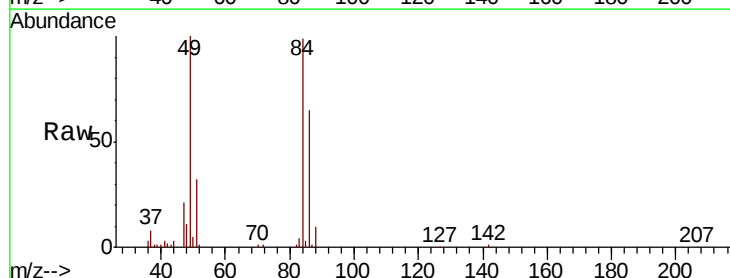
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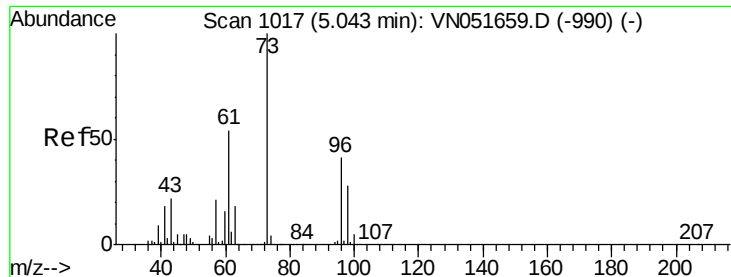
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#20
Methylene Chloride
Concen: 19.669 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion: 84 Resp: 152125
Ion Ratio Lower Upper
84 100
49 100.6 89.5 134.3
51 32.7 27.4 41.0
86 65.1 51.9 77.9





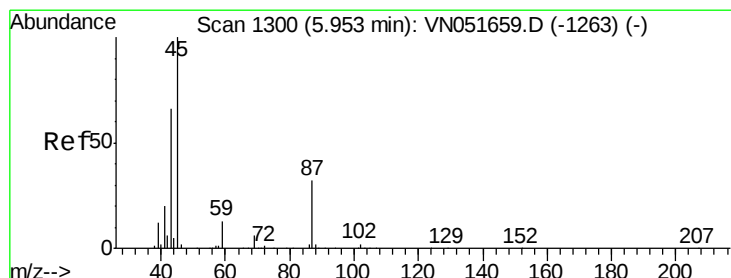
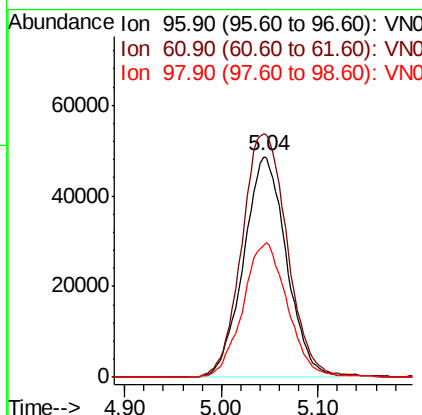
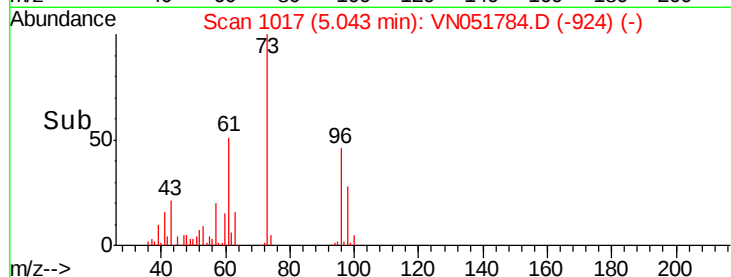
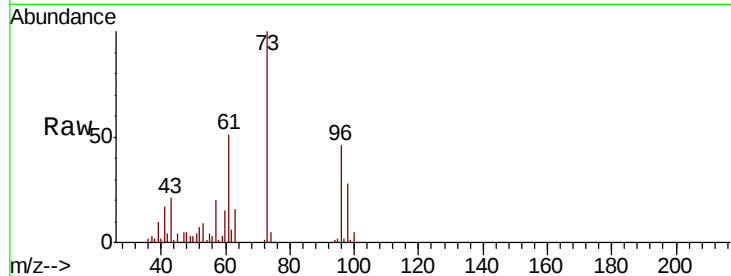
#21
trans-1,2-Dichloroethene
Concen: 19.056 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	110.1	104.7	157.1
98	59.9	54.6	82.0

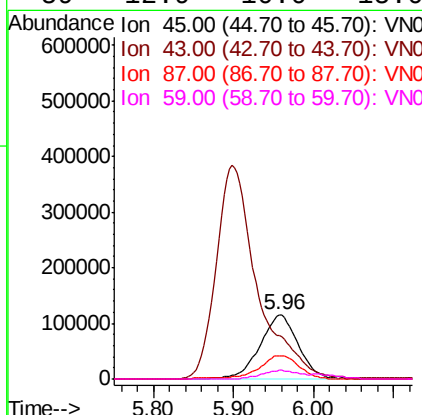
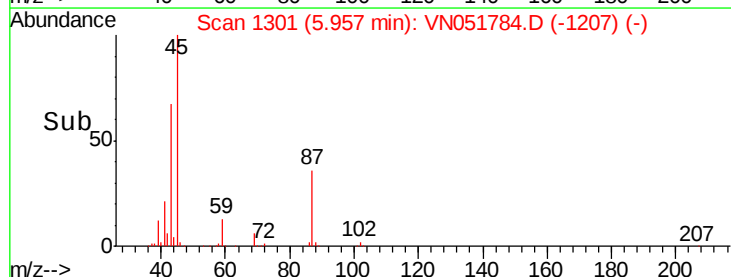
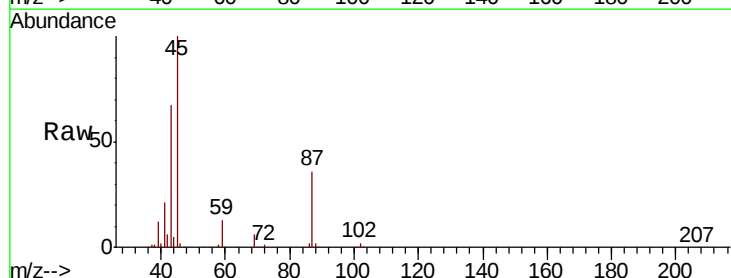
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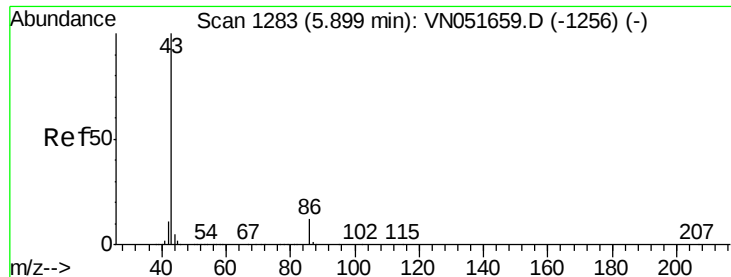
MMDadoda
10/11/2018 5:51:15 PM



#22
Diisopropyl ether
Concen: 17.438 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	53.0	79.4
87	35.8	26.4	39.6
59	12.9	10.0	15.0





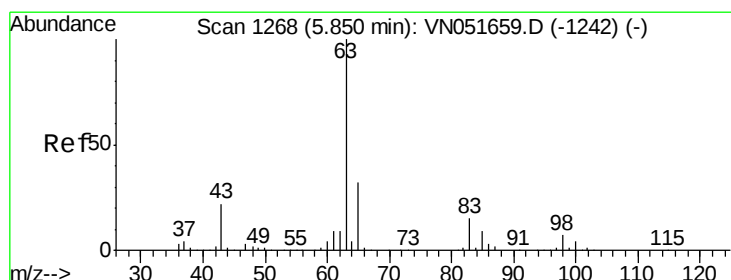
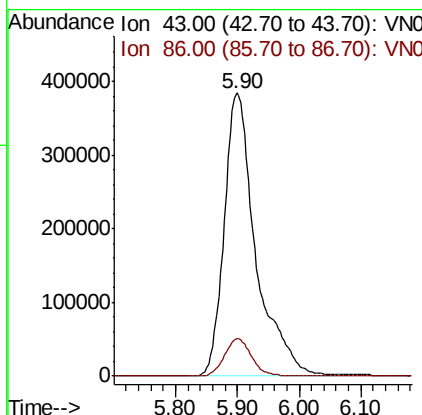
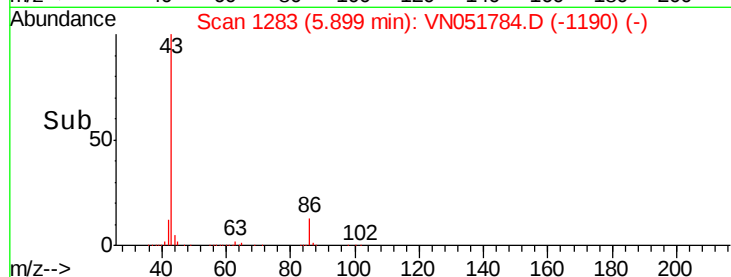
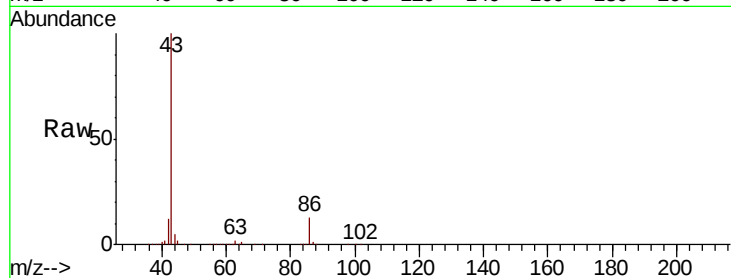
#23
 Vinyl Acetate
 Concen: 85.525 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion: 43 Resp: 1362470
 Ion Ratio Lower Upper
 43 100
 86 13.4 9.3 13.9

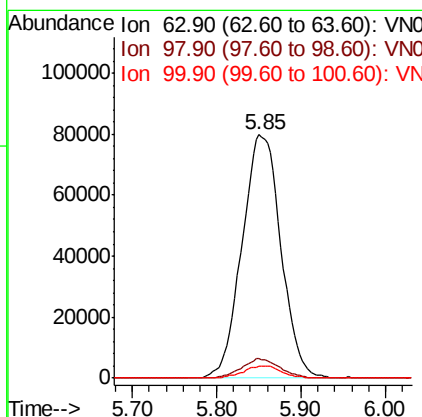
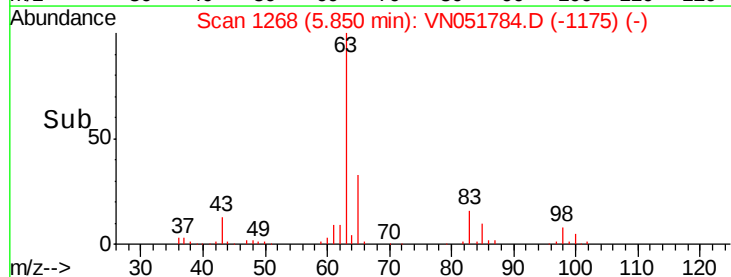
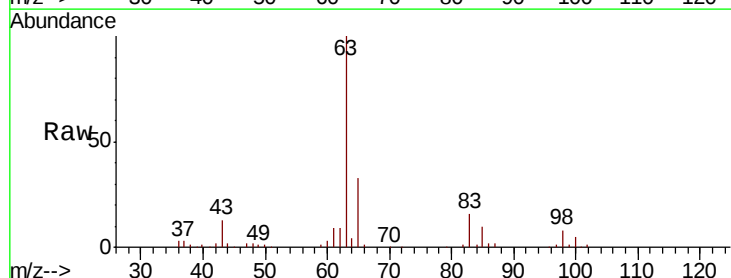
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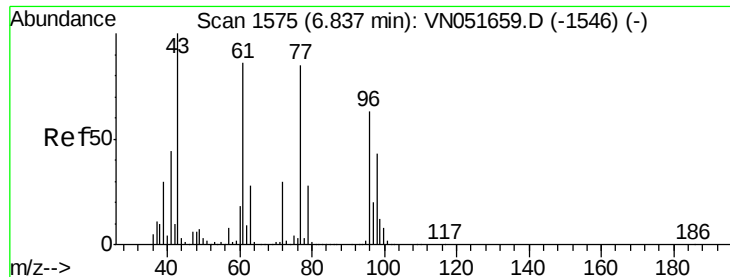
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.316 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion: 63 Resp: 255215
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.3 9.9
 100 4.8 2.2 6.6





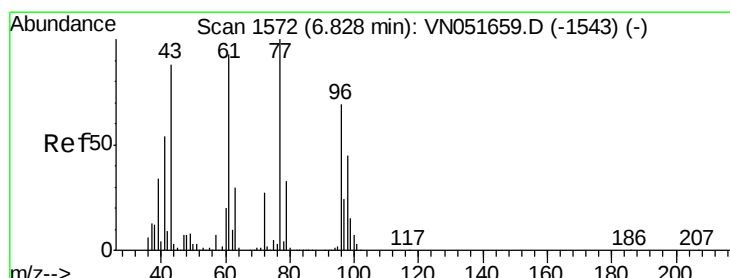
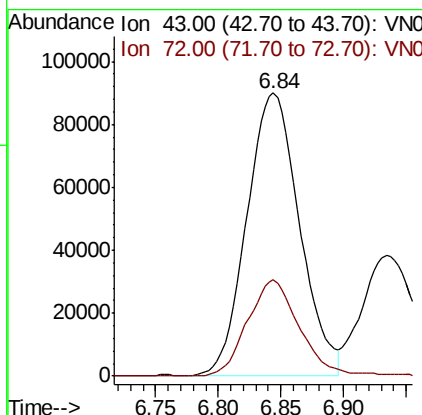
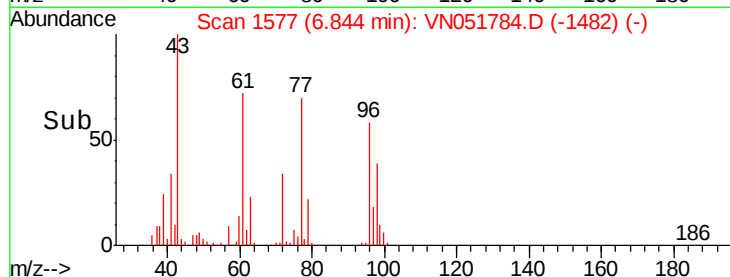
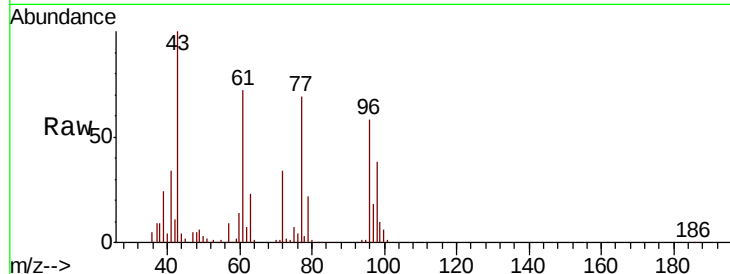
#25
2-Butanone
Concen: 96.404 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleID :
VN1010MBSD02

Tot Ion: 43 Resp: 261689
Ion Ratio Lower Upper
43 100
72 34.1 24.2 36.2

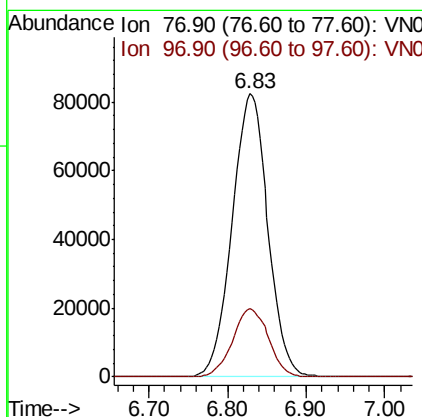
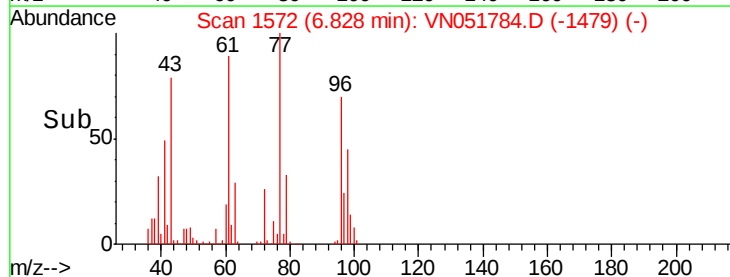
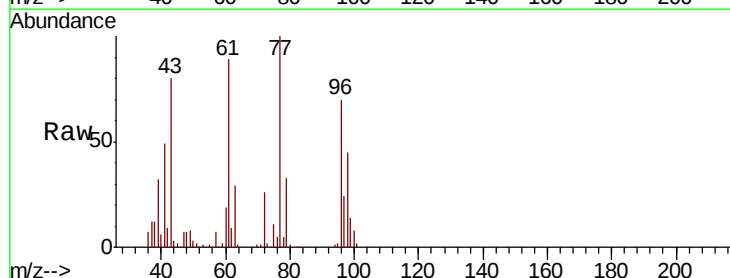
Manual Integrations
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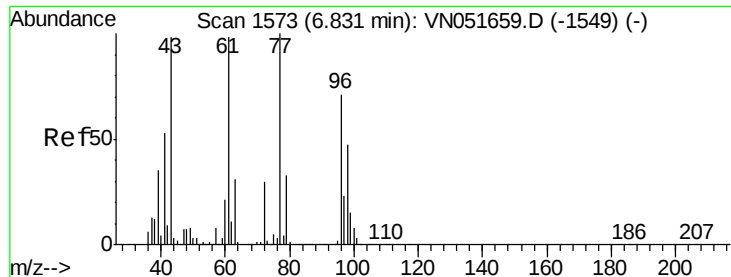
MMDadoda
10/11/2018 5:51:15 PM



#26
2,2-Dichloropropane
Concen: 18.751 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion: 77 Resp: 261828
Ion Ratio Lower Upper
77 100
97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.487 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

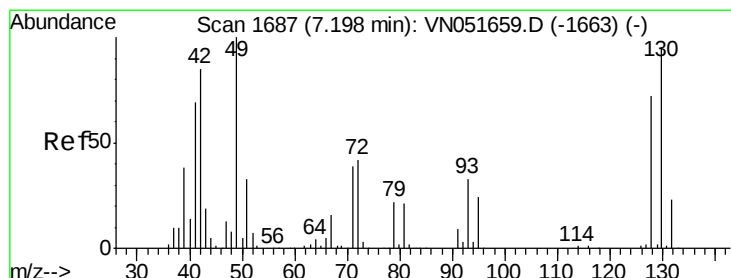
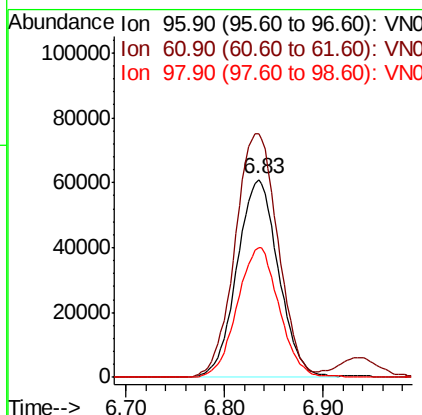
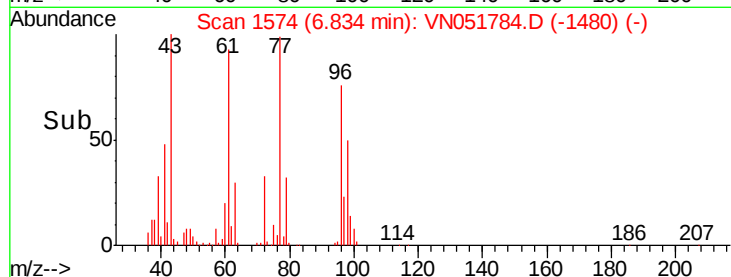
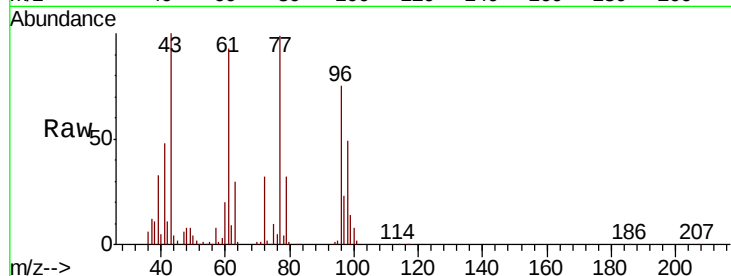
ClientSampleId :

VN1010MBSD02

Tot Ion:	96	Resp:	177645
Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	275.4
98	65.9	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 17.574 ug/l

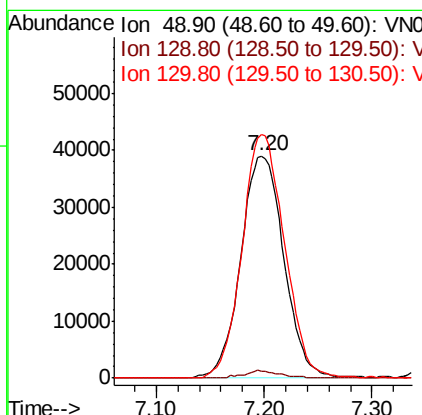
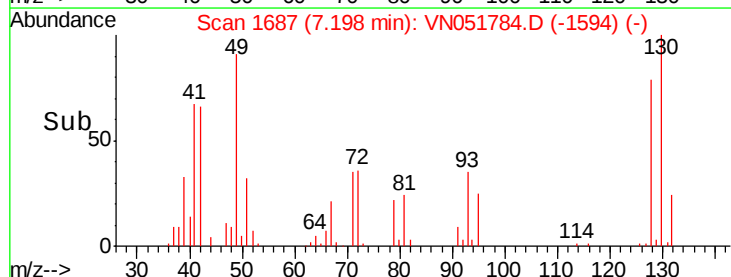
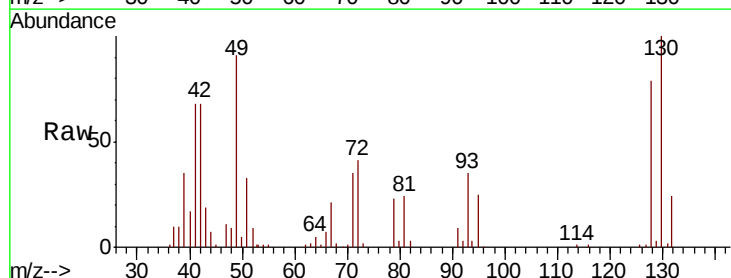
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	49	Resp:	108413
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	107.9	75.7	113.5





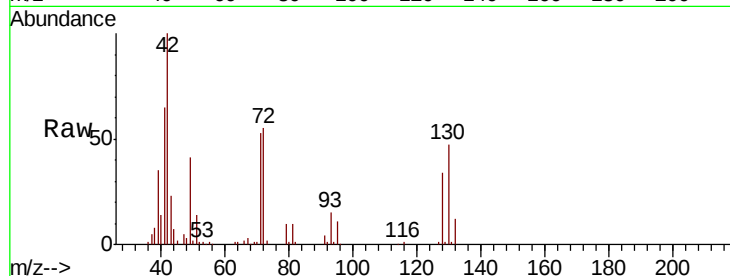
#29
Tetrahydrofuran
Concen: 95.059 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

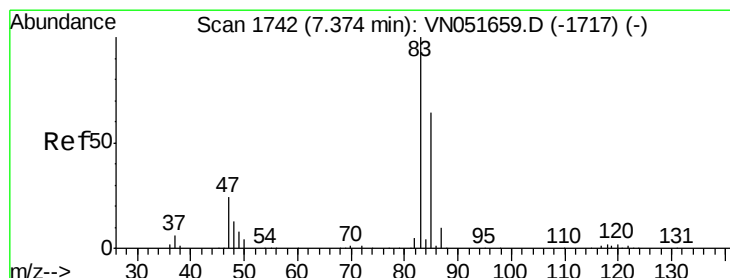
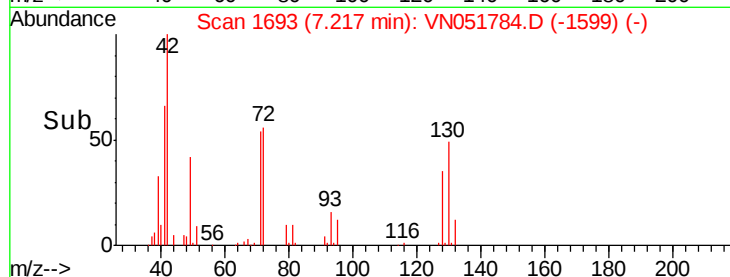
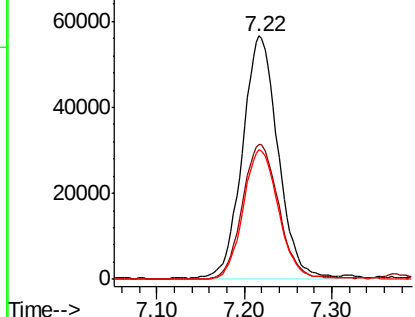
Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	40.1	60.1
71	53.3	38.0	57.0

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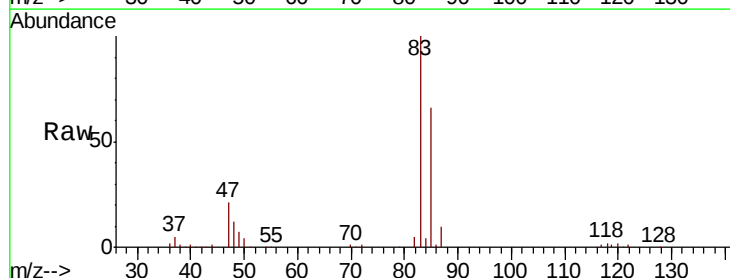


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

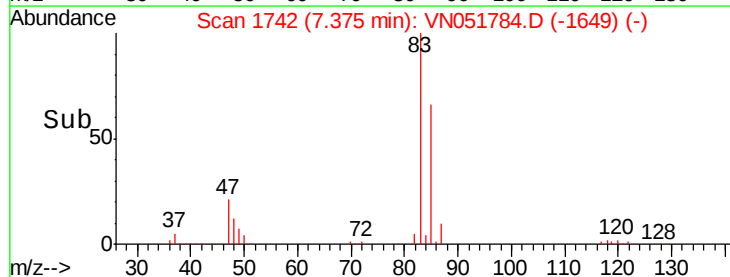
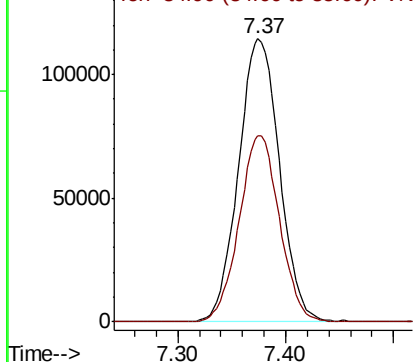


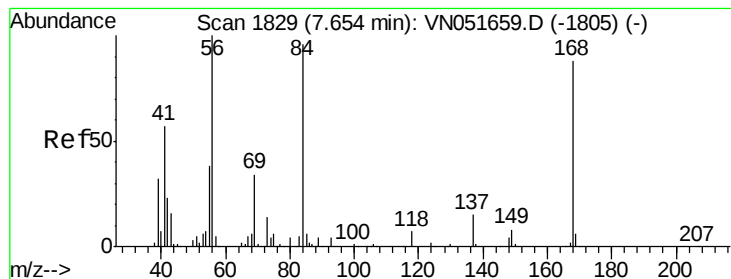
#30
Chloroform
Concen: 19.301 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 17.219 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

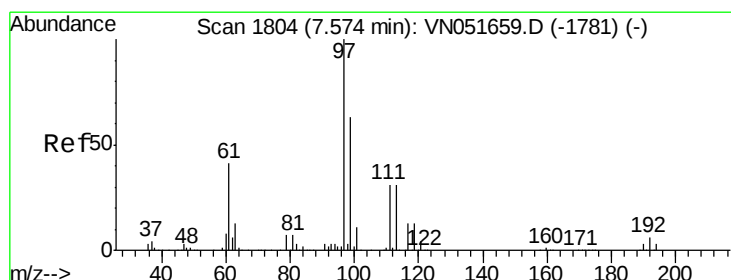
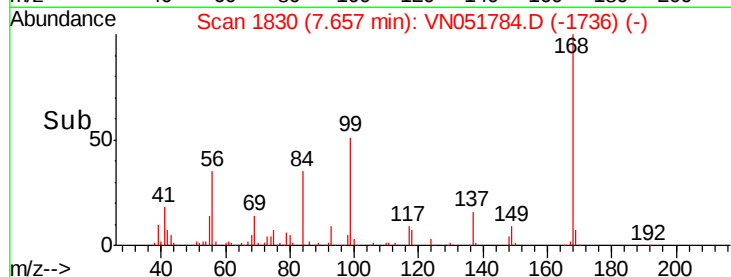
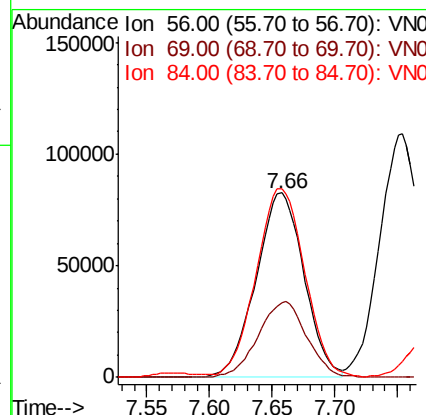
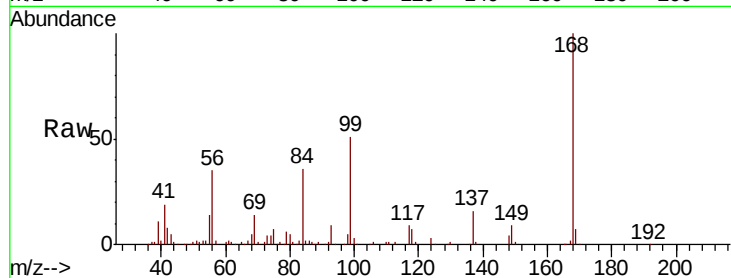
ClientSampleId :

VN1010MBSD02

Tot Ion:	56	Resp:	219735
Ion Ratio	Lower	Upper	
56	100		
69	40.4	27.5	41.3
84	100.4	76.7	115.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.927 ug/l

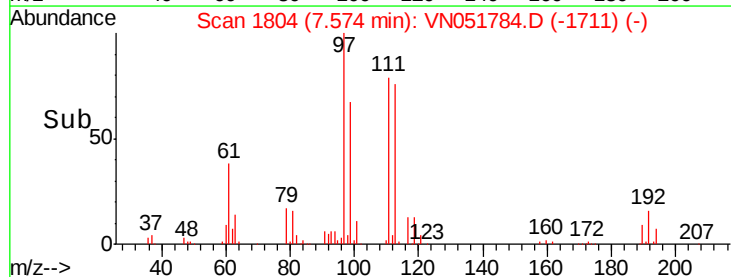
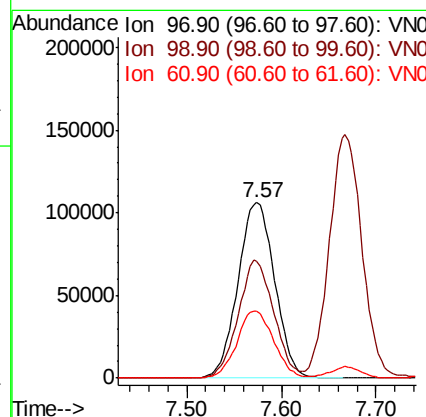
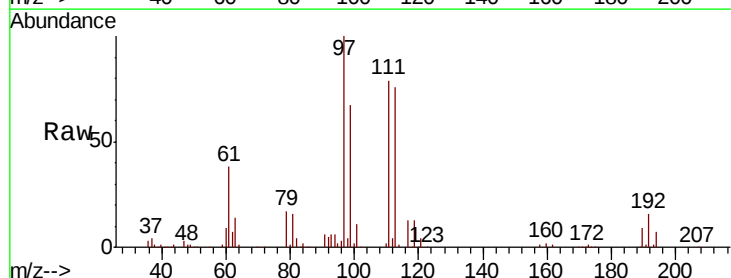
RT: 7.57 min Scan# 1804

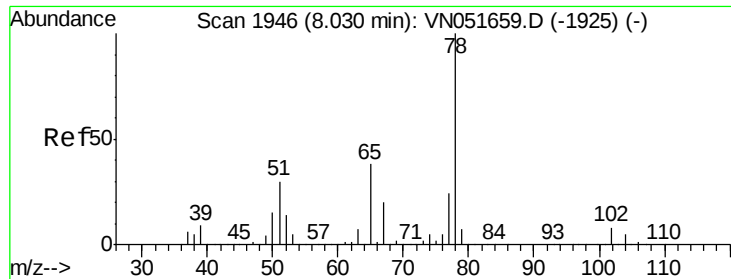
Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	97	Resp:	287218
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.9	77.9
61	38.3	33.4	50.0





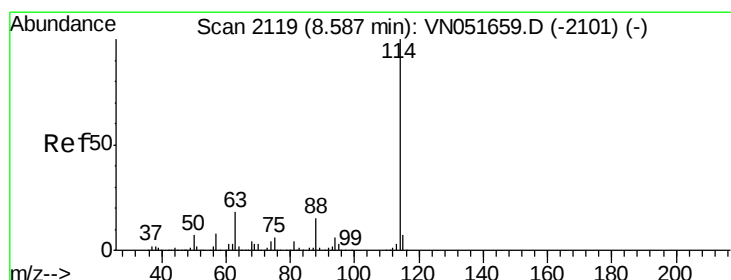
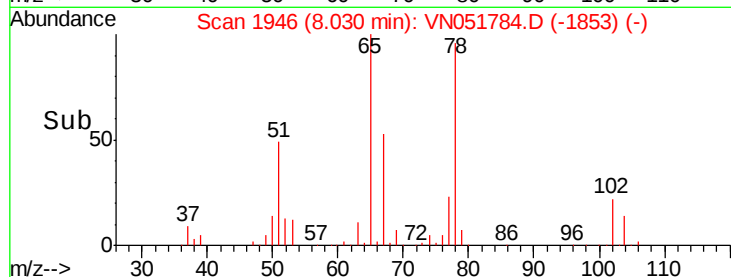
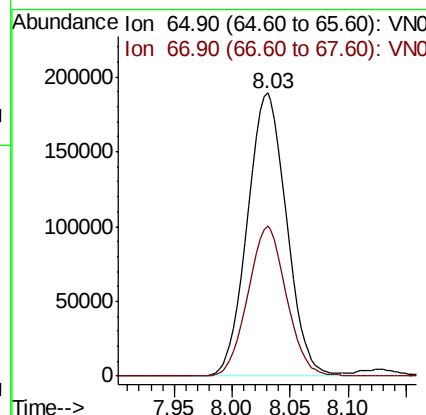
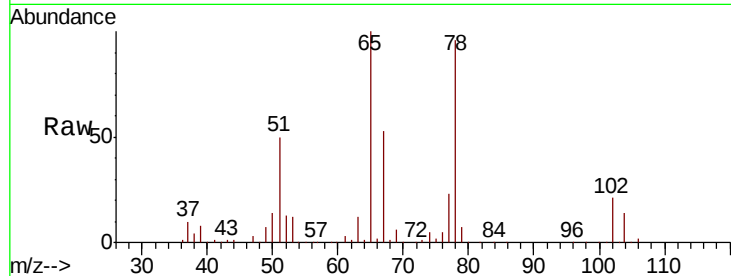
#33
 1,2-Dichloroethane-d4
 Concen: 18.927 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	444971		
67	52.1	0.0	103.6	

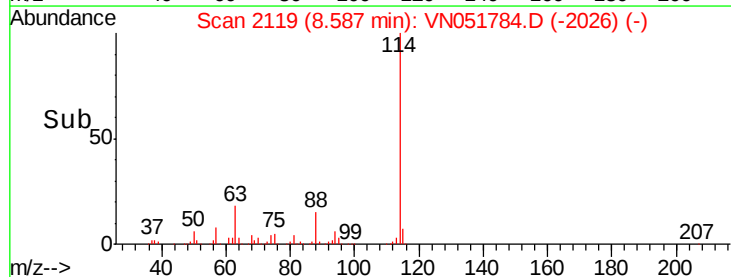
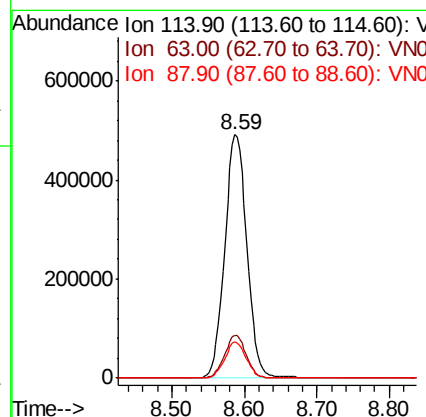
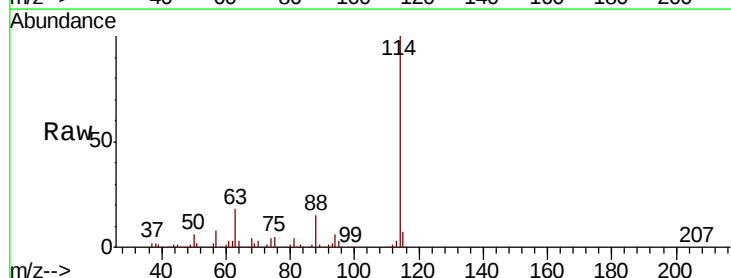
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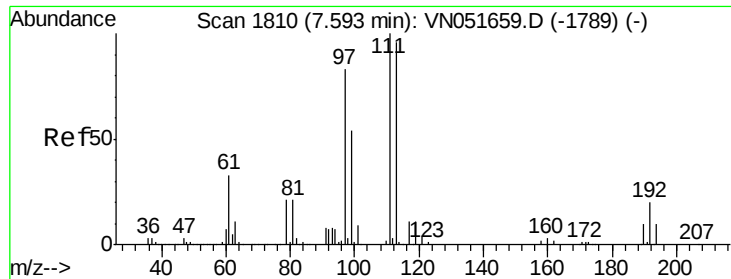
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1041748		
63	17.7	0.0	36.2	
88	14.7	0.0	30.2	





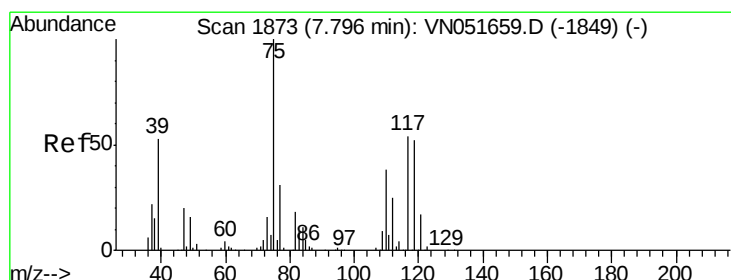
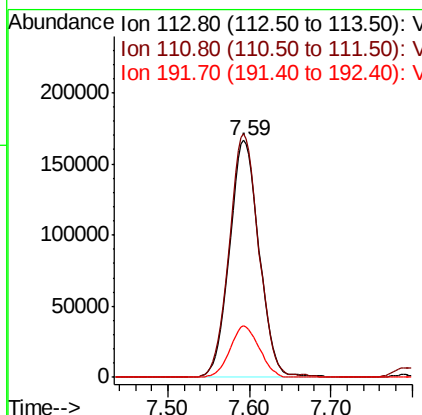
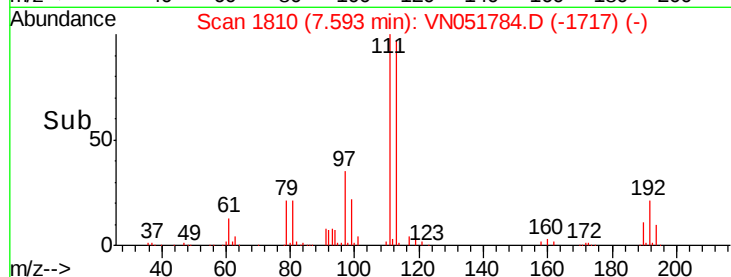
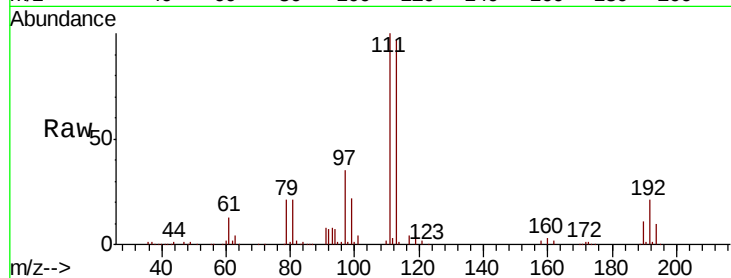
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	21.6	16.5	24.7

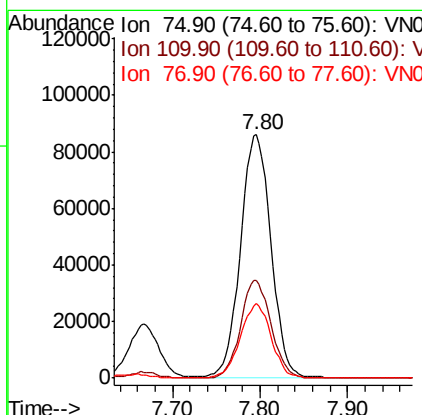
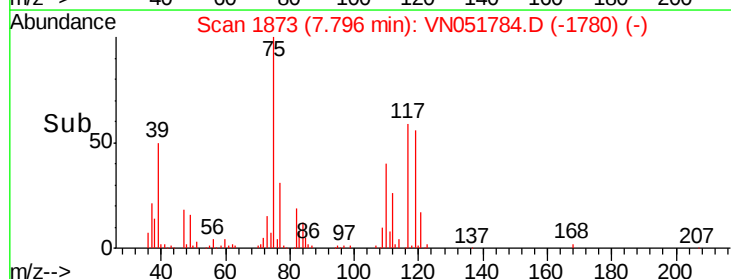
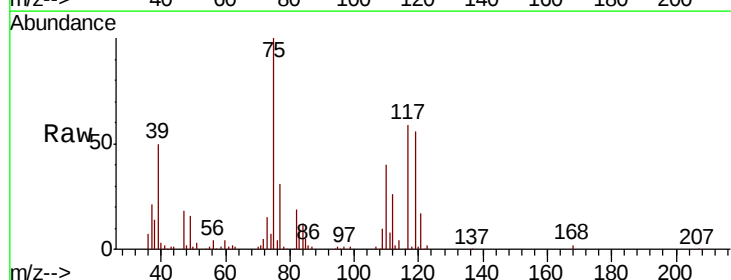
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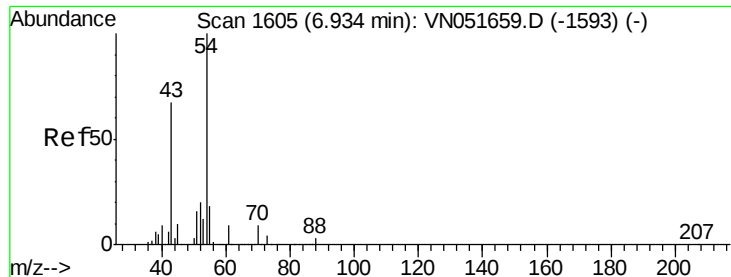
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.085 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.2	19.3	57.8
77	31.2	24.7	37.1





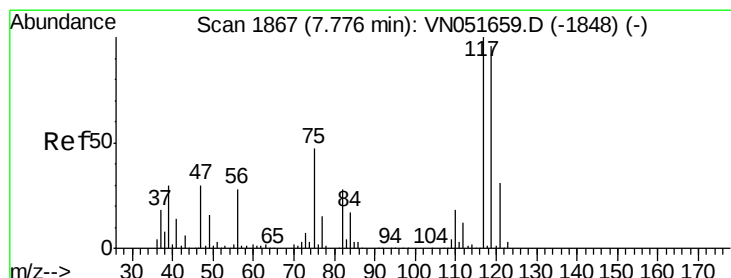
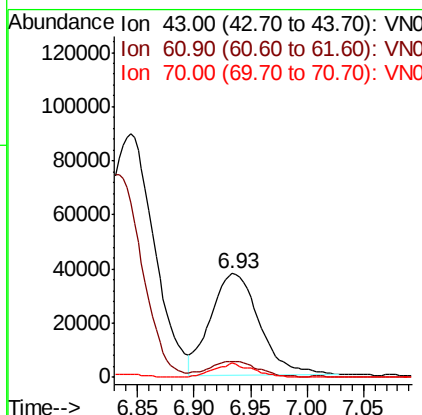
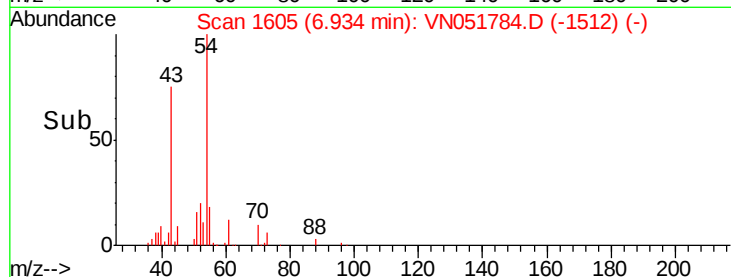
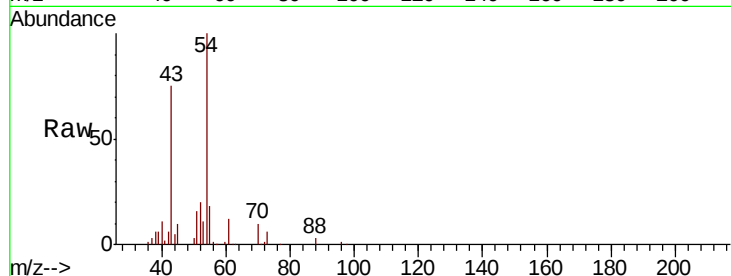
#37
Ethyl Acetate
Concen: 19.746 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	11.5	8.7	13.1

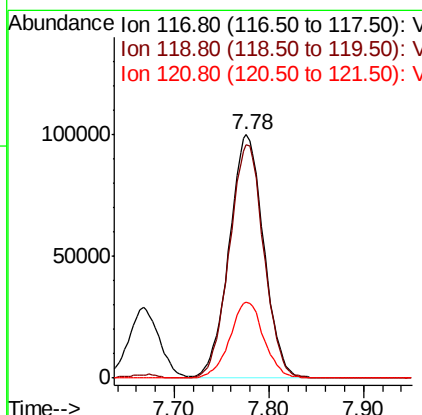
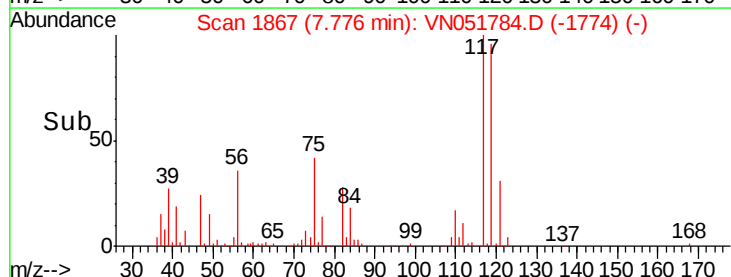
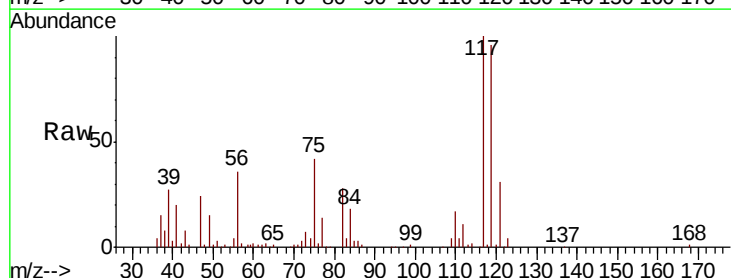
Manual Integrations
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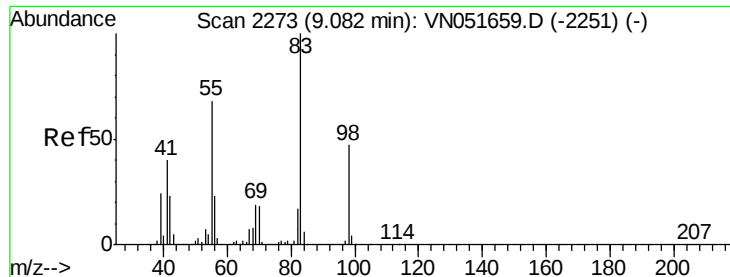
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.422 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
121	31.0	25.0	37.6





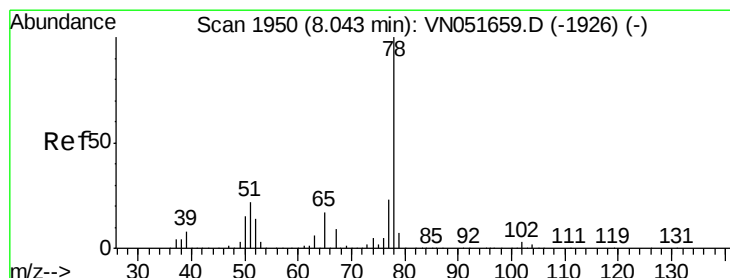
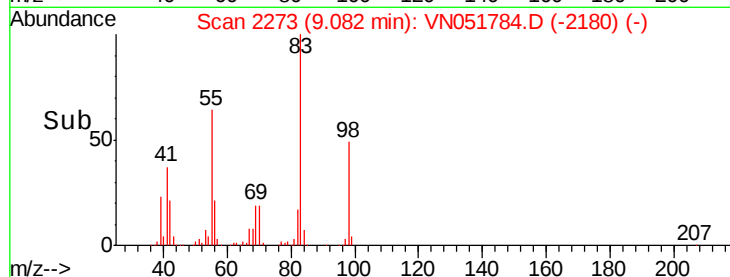
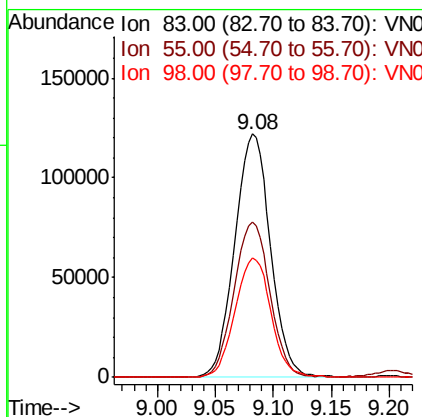
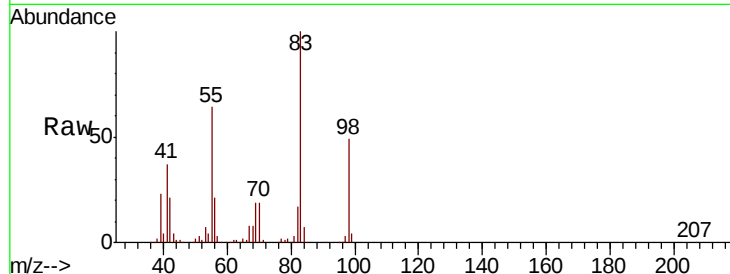
#39
Methvlcvclohexane
Concen: 19.108 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.0	54.3	81.5
98	48.8	37.4	56.2

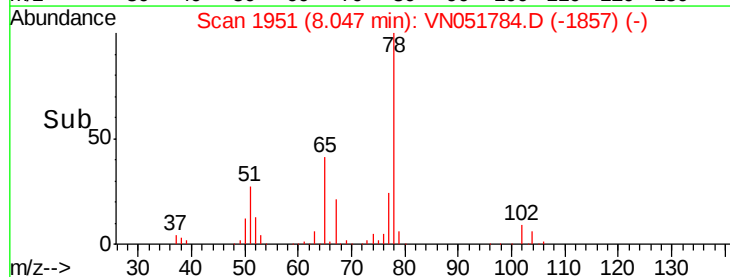
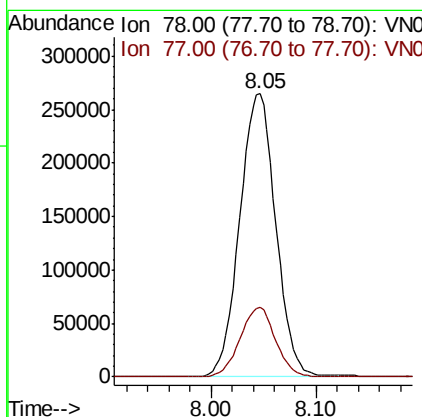
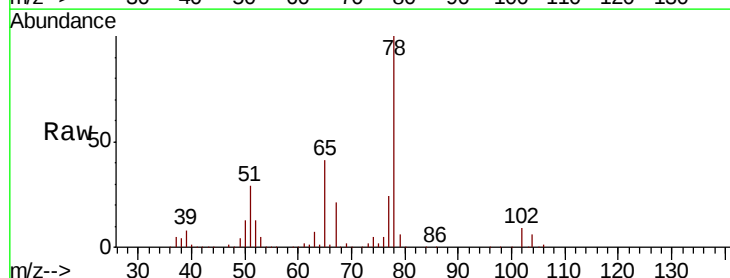
Manual Integrations
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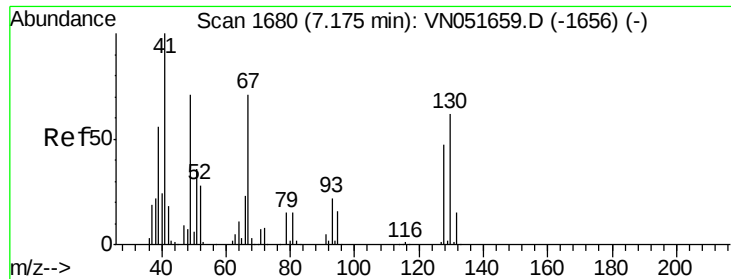
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#40
Benzene
Concen: 19.496 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7





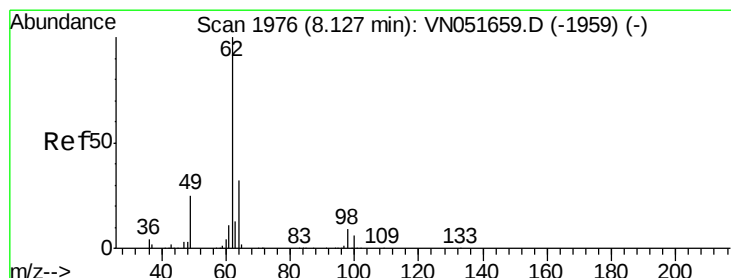
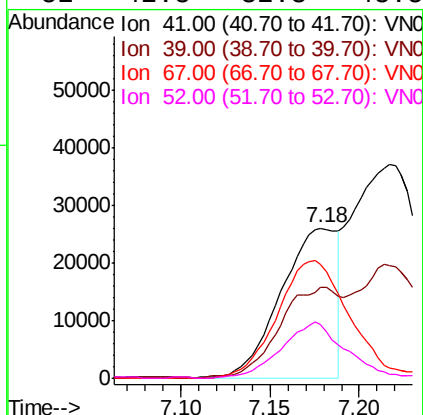
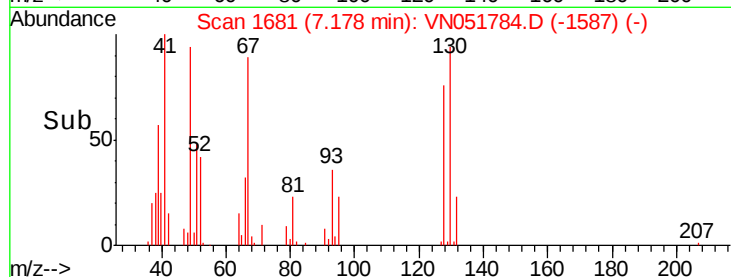
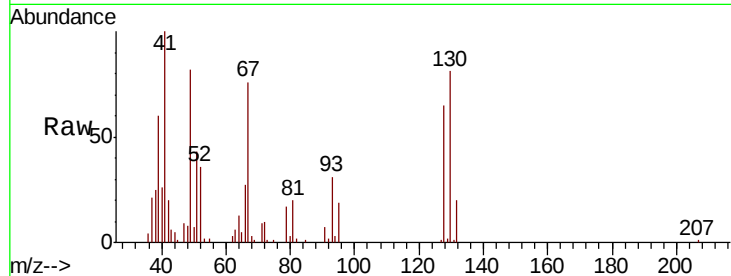
#41
Methacrylonitrile
Concen: 19.393 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.1	53.9	80.9
67	100.8	78.1	117.1
52	42.8	32.3	48.5

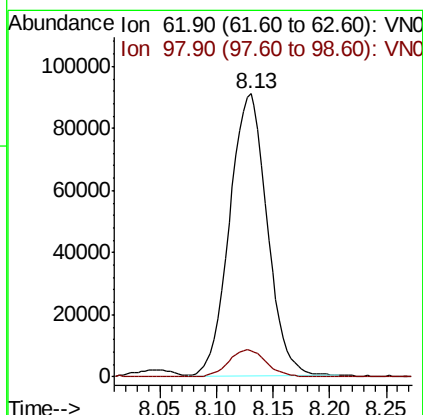
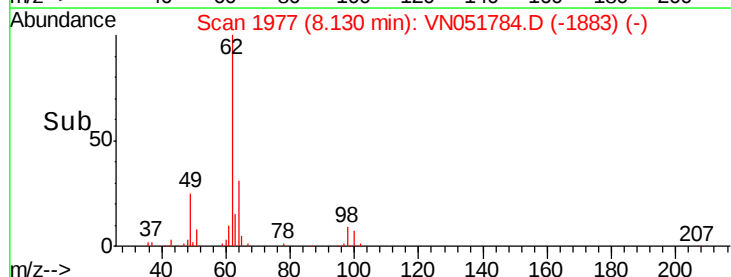
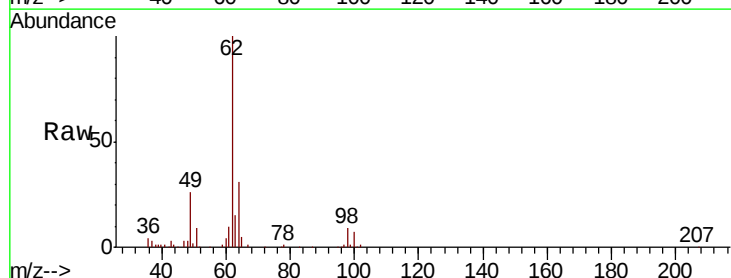
Manual Integrations
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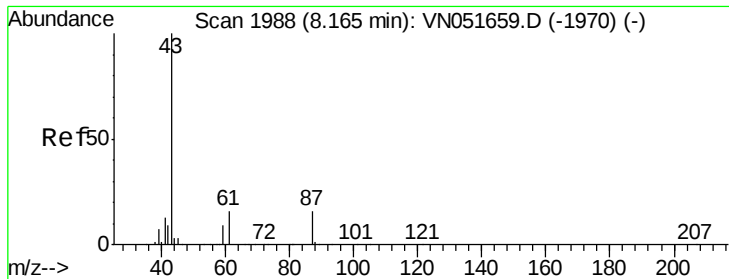
MMDadoda
10/11/2018 5:51:15 PM



#42
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43

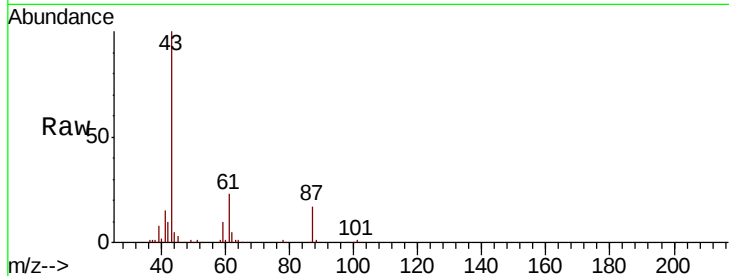
Isopropyl Acetate
 Concen: 19.177 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

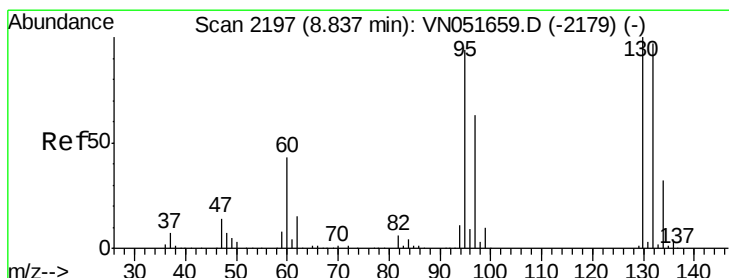
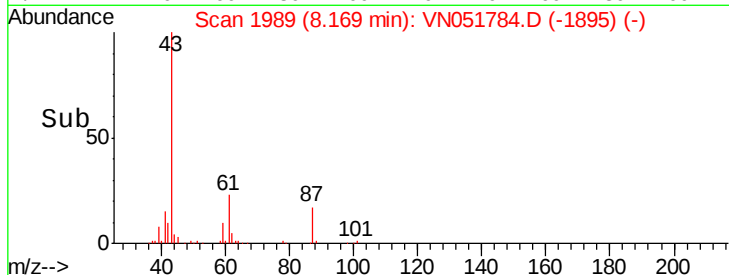
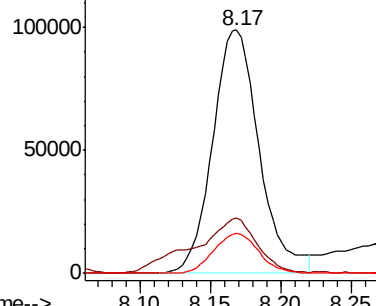
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	15.8	23.6#
87	15.9	12.6	19.0

Manual Integrations
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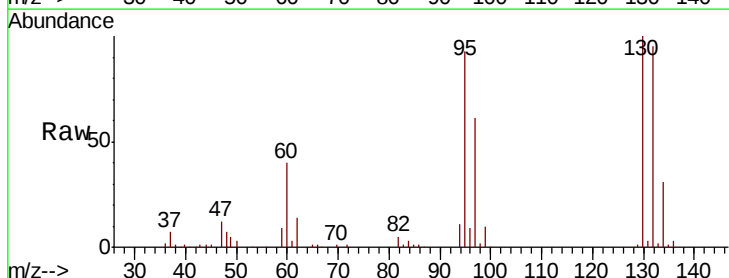
Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)
 Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)
 Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



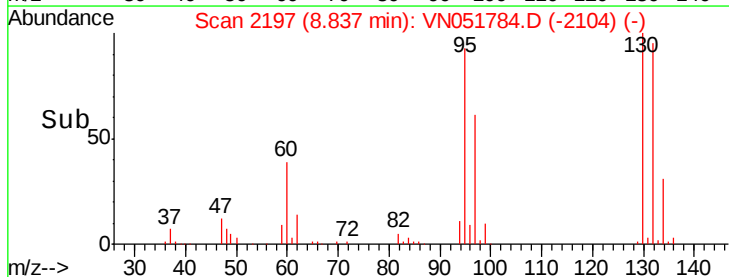
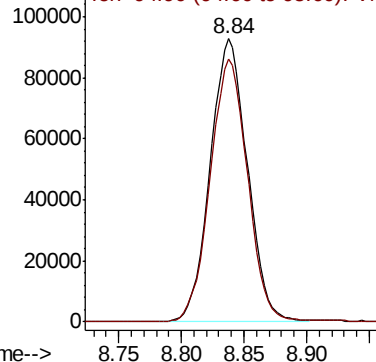
#44

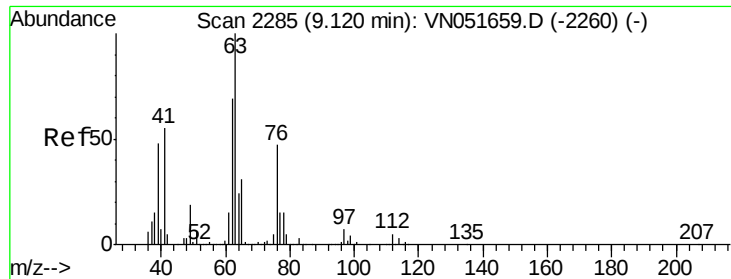
Trichloroethene
 Concen: 20.893 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)





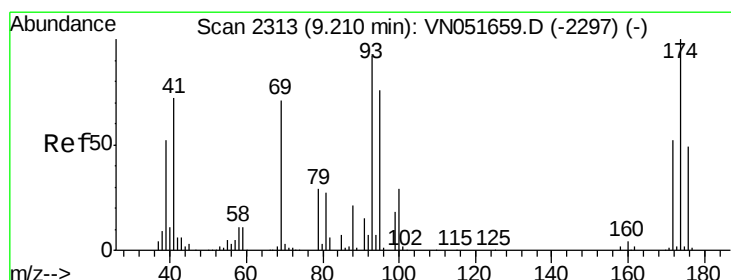
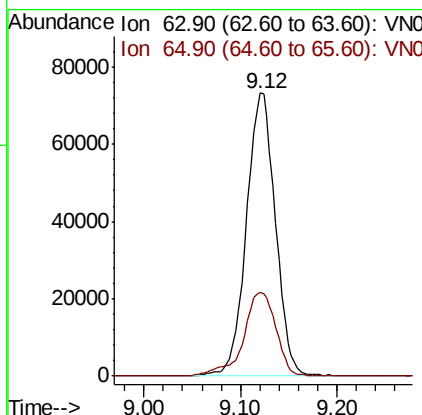
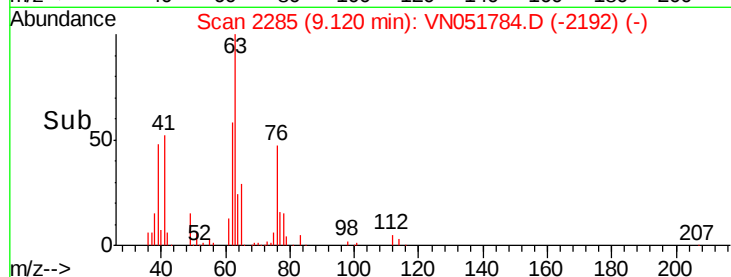
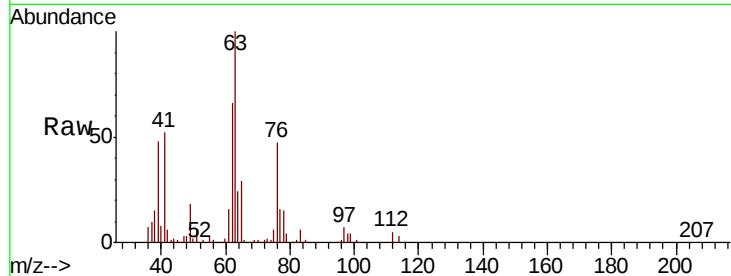
#45
 1,2-Dichloropropane
 Concen: 19.128 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion: 63 Resp: 152657
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.4

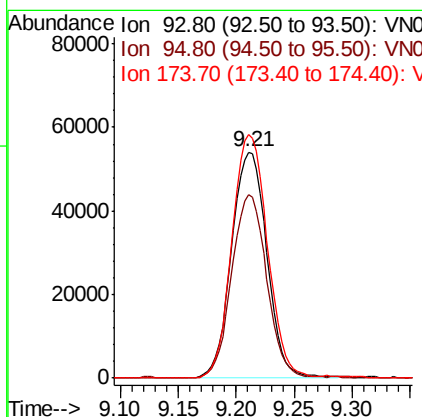
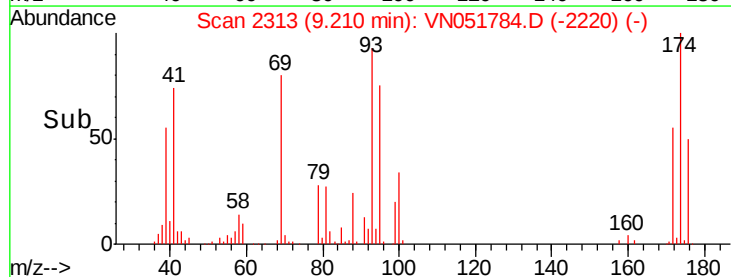
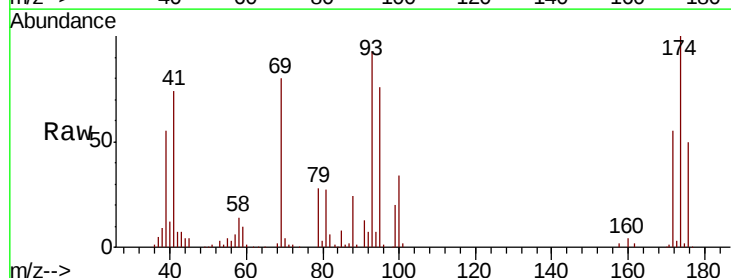
Manual Integrations
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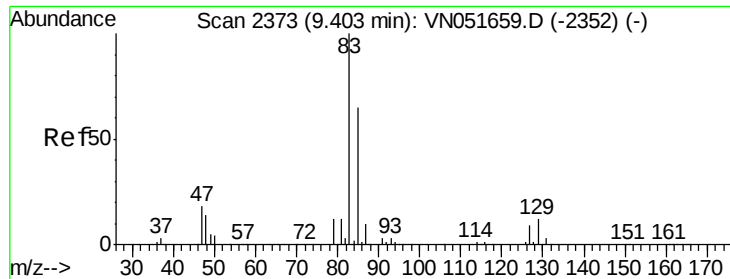
MMDadoda
 10/11/2018 5:51:15 PM



#46
 Dibromomethane
 Concen: 20.718 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion: 93 Resp: 114929
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.6 100.0
 174 107.9 85.9 128.9





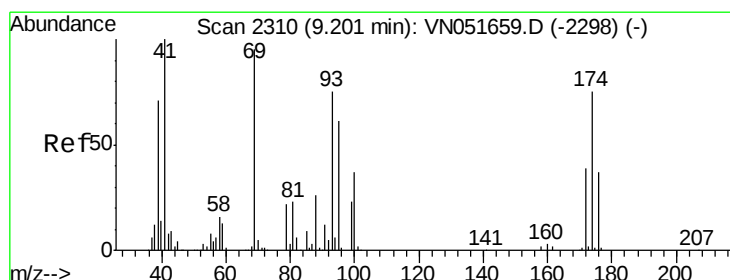
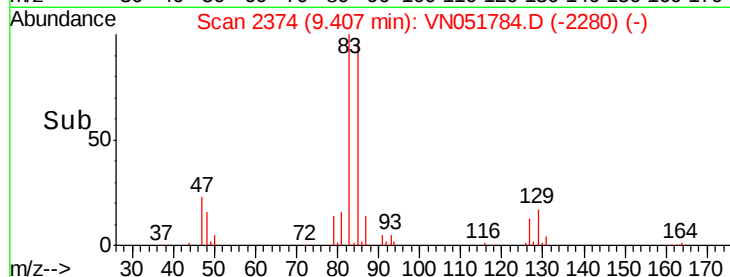
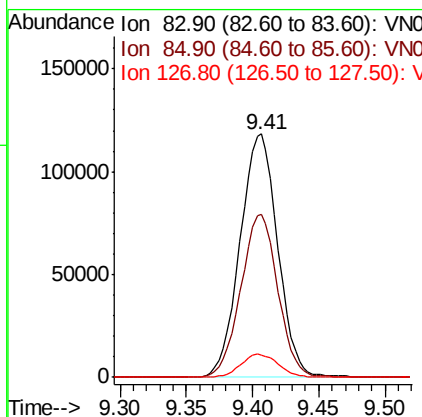
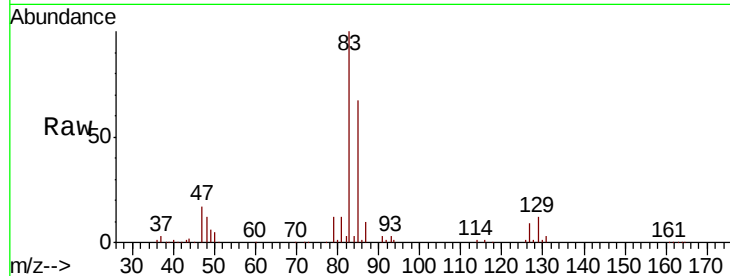
#47
Bromodichloromethane
Concen: 19.076 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	232951		
85	67.2	51.6	77.4	
127	9.2	7.3	10.9	

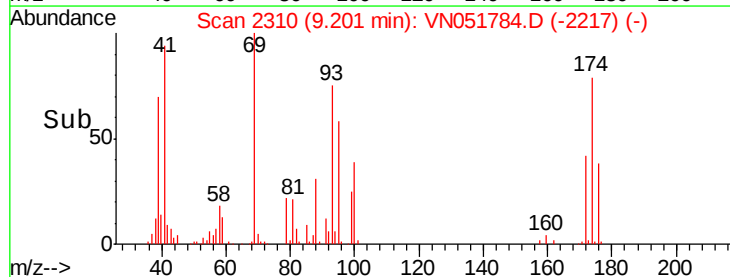
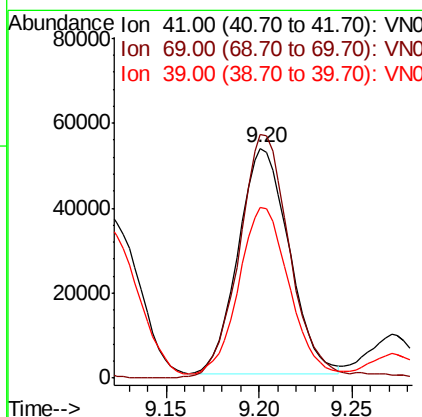
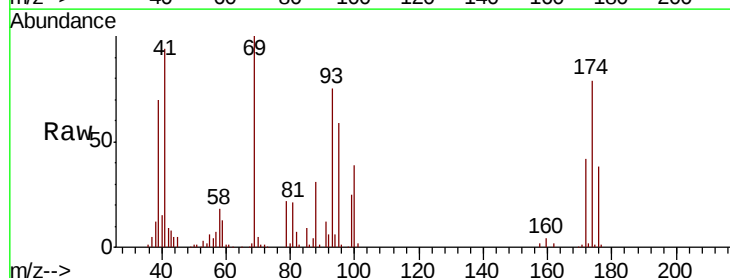
Manual Integrations
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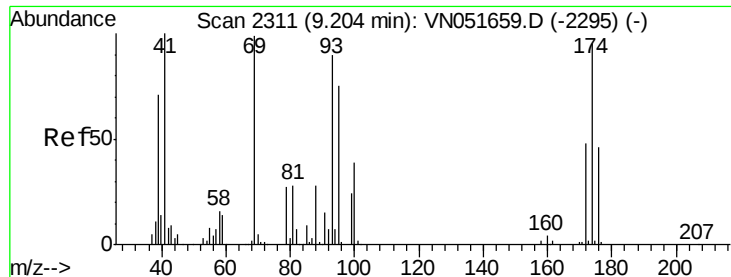
MMDadoda
10/11/2018 5:51:15 PM



#48
Methyl methacrylate
Concen: 18.711 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101232		
69	105.8	78.6	118.0	
39	75.4	59.2	88.8	





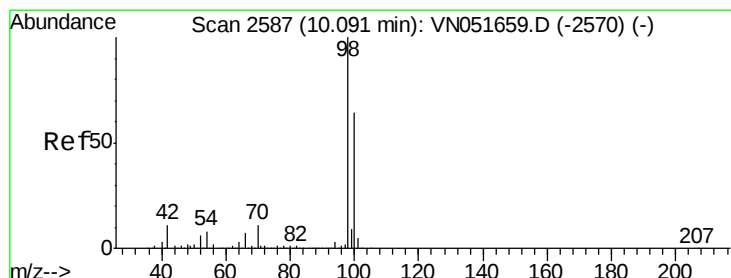
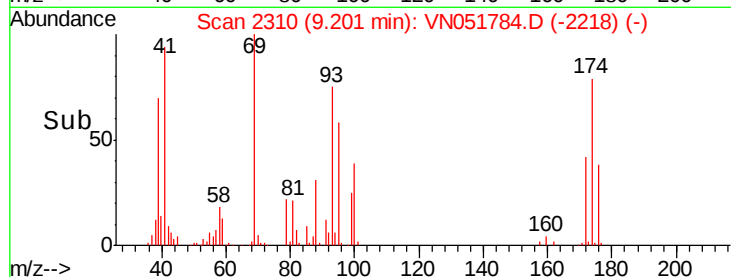
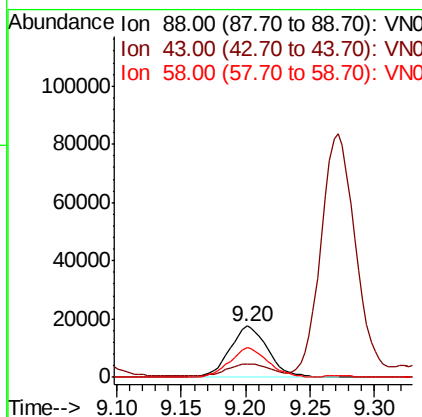
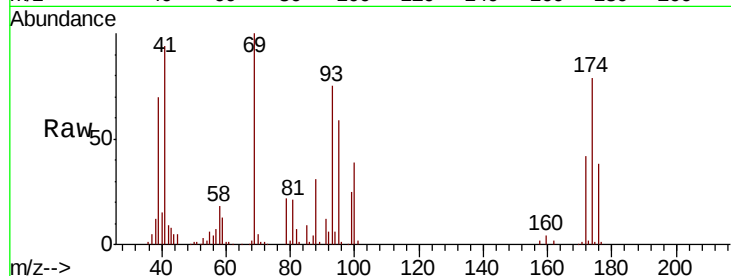
#49
1,4-Dioxane
Concen: 446.913 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	24.5	36.7
58	57.8	47.6	71.4

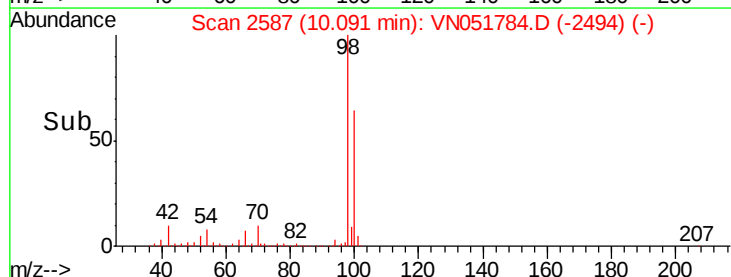
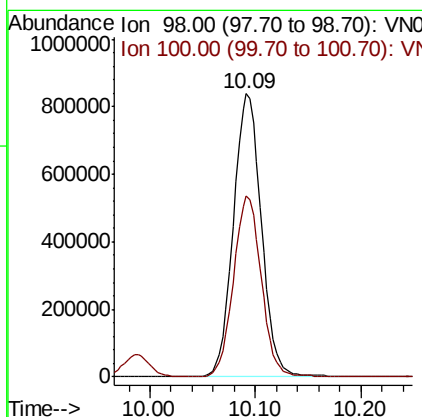
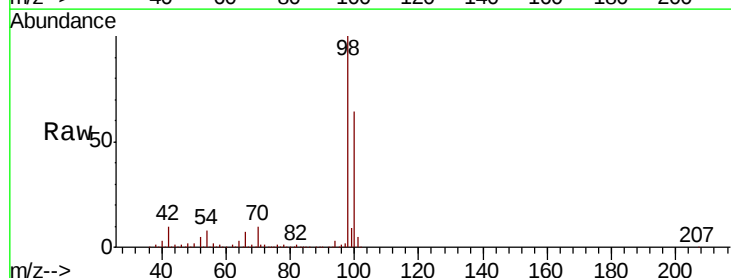
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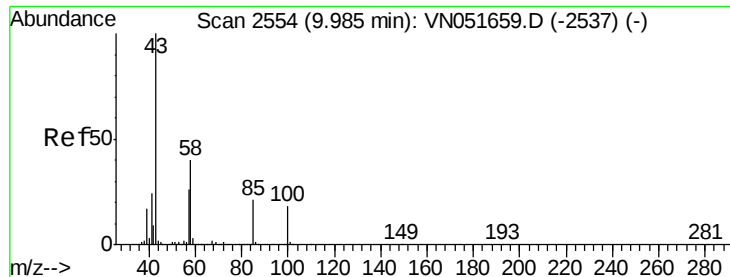
MMDadoda
10/11/2018 5:51:15 PM



#50
Toluene-d8
Concen: 446.913 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.216 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 43 Resp: 595280

Ion Ratio Lower Upper

43 100

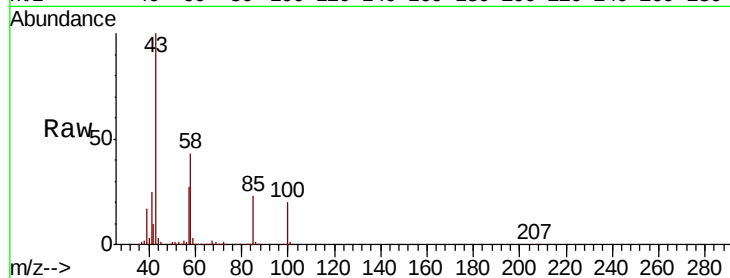
58 42.2 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

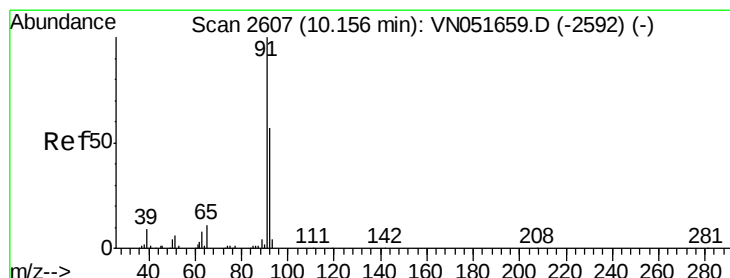
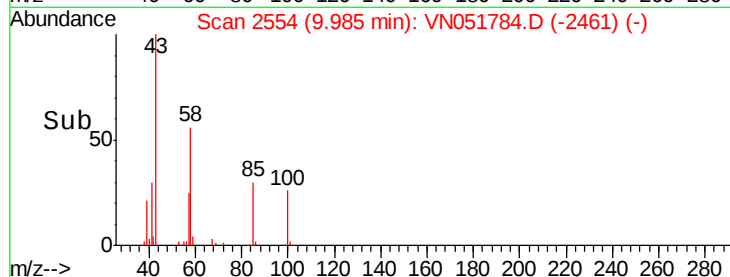
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.662 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051784.D

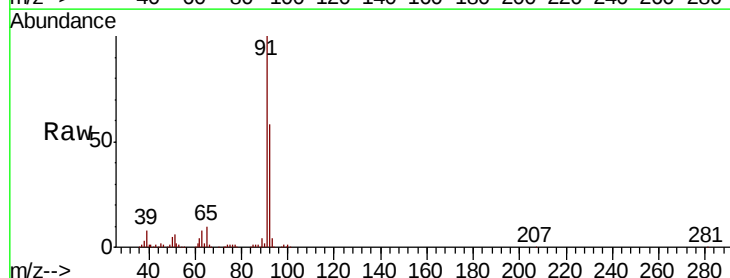
Acq: 10 Oct 2018 12:26

Tgt Ion: 92 Resp: 422136

Ion Ratio Lower Upper

92 100

91 175.6 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

400000

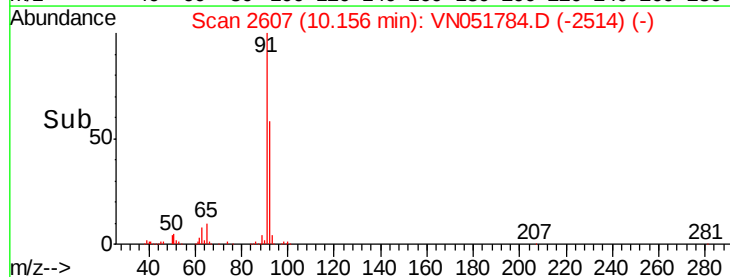
300000

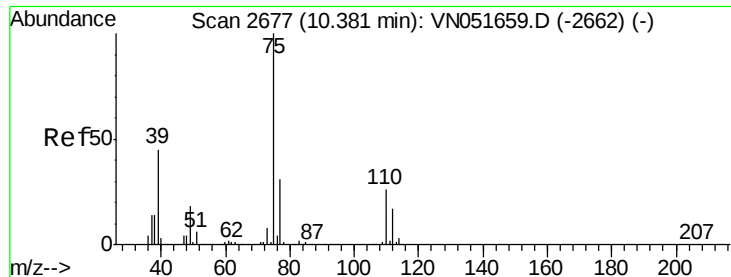
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.035 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 75 Resp: 227257

Ion Ratio Lower Upper

75 100

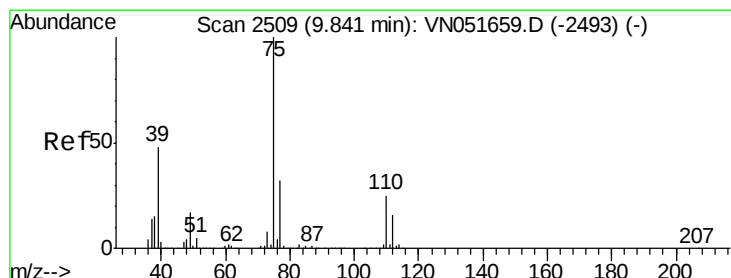
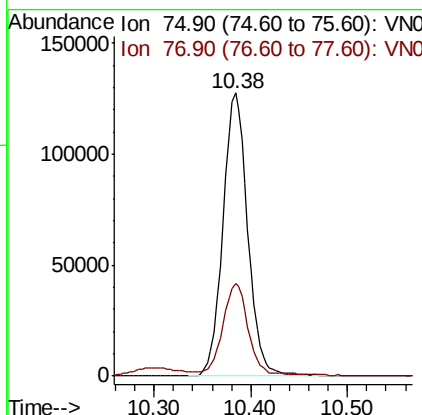
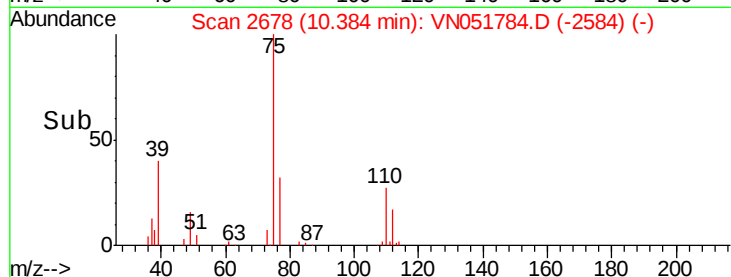
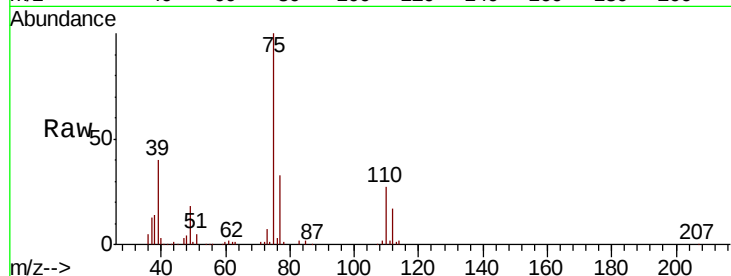
77 32.2 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.712 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

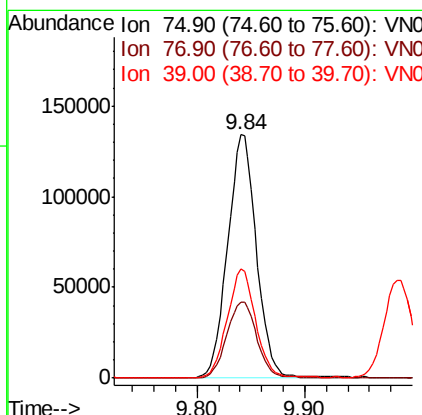
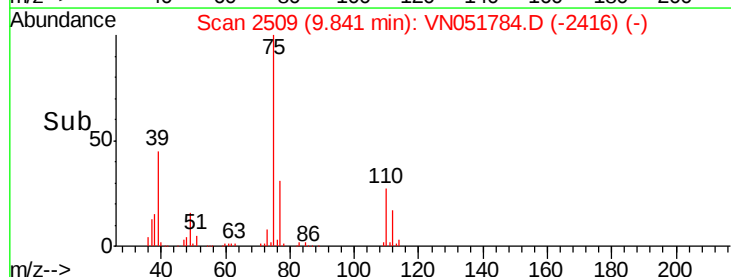
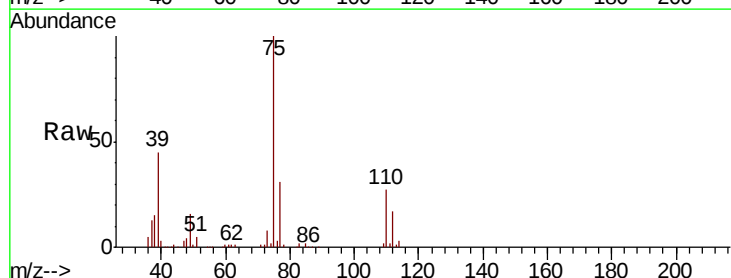
Tgt Ion: 75 Resp: 250388

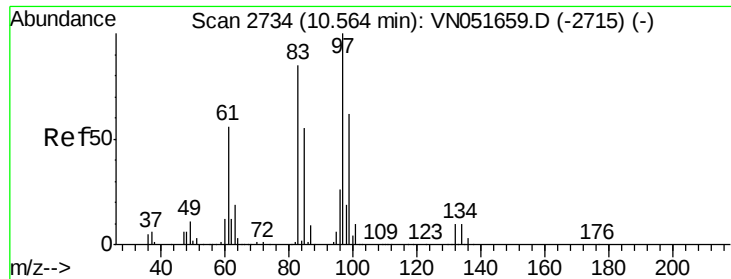
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 44.5 38.1 57.1





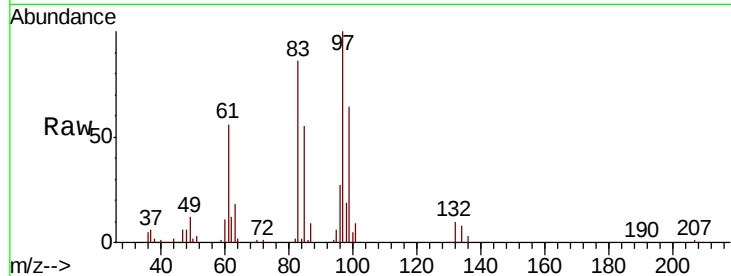
#55
 1,1,2-Trichloroethane
 Concen: 20.684 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	158190		
83	85.5	68.1	102.1	
85	54.8	43.6	65.4	
99	64.1	49.4	74.0	

Manual Integrations
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 10/11/2018 5:51:15 PM

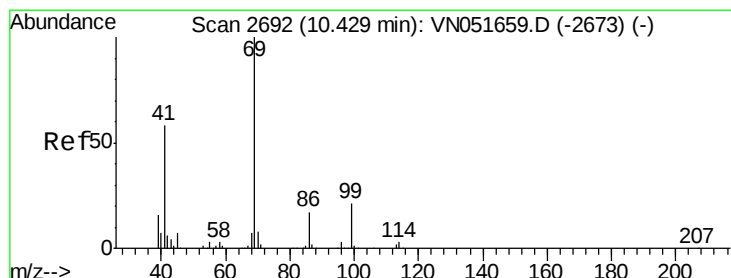
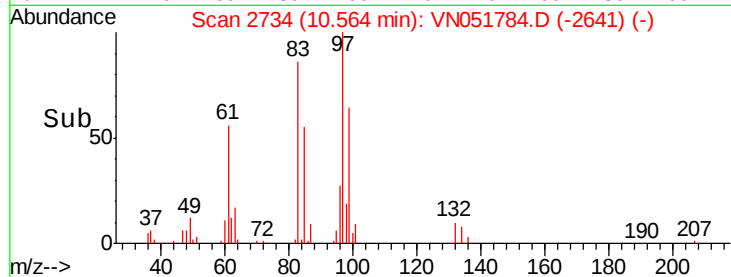
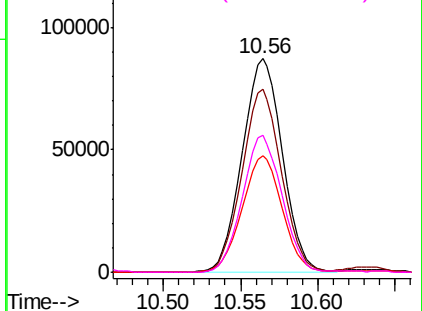


Abundance Ion 96.90 (96.60 to 97.60): VN051784.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN051784.D (-2641) (-)

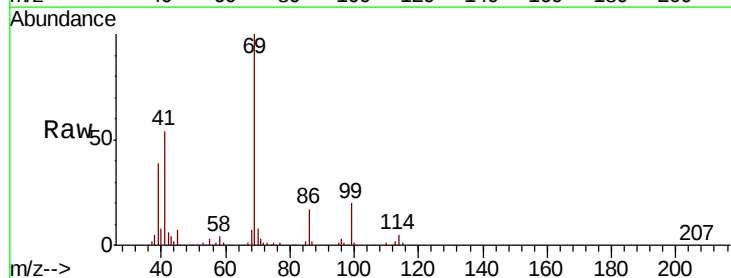
Ion 84.90 (84.60 to 85.60): VN051784.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN051784.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 20.045 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

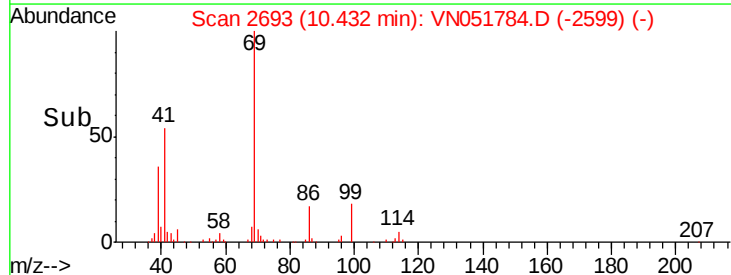
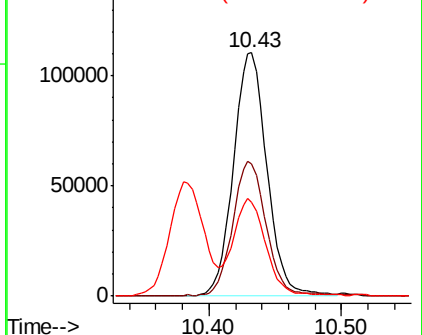
Tgt Ion	Ratio	Resp	Lower	Upper
69	100	193871		
41	54.1	46.4	69.6	
39	39.1	32.4	48.6	

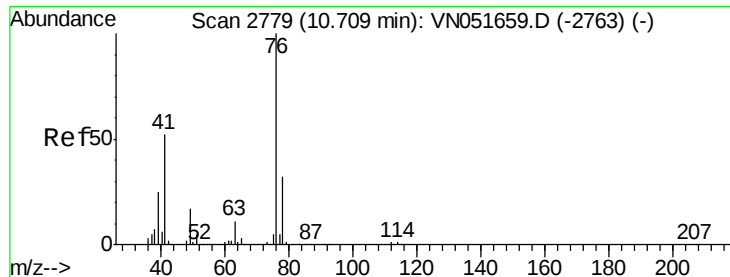


Abundance Ion 69.00 (68.70 to 69.70): VN051784.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN051784.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN051784.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 20.513 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 76 Resp: 248298

Ion Ratio Lower Upper

76 100

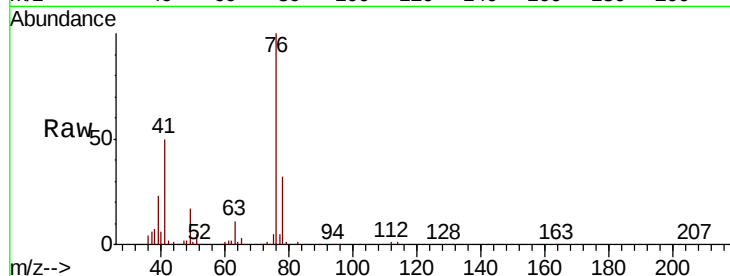
78 32.3 26.0 39.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

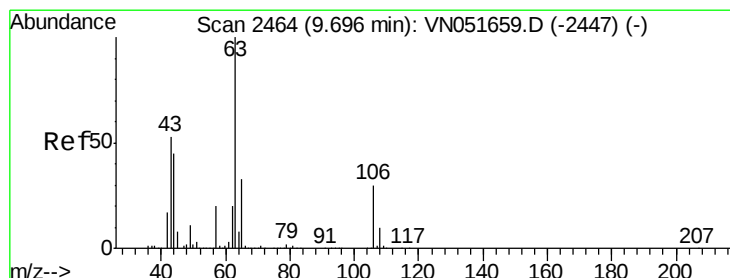
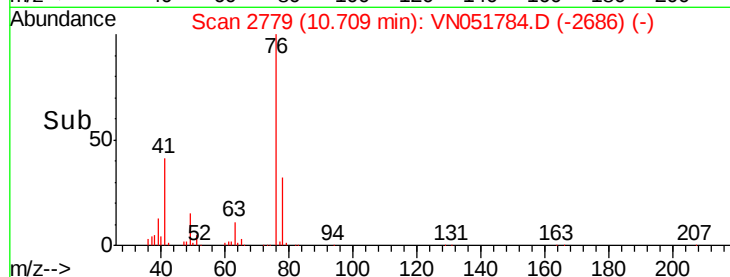
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 90.955 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051784.D

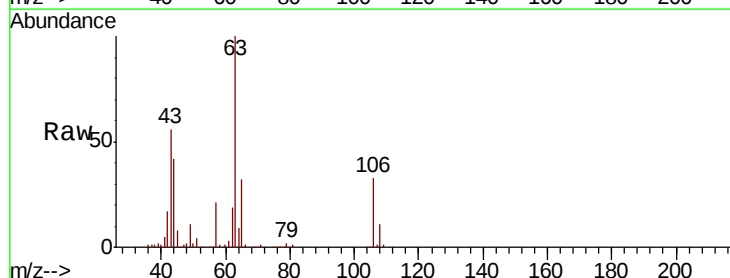
Acq: 10 Oct 2018 12:26

Tgt Ion: 63 Resp: 364081

Ion Ratio Lower Upper

63 100

106 33.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

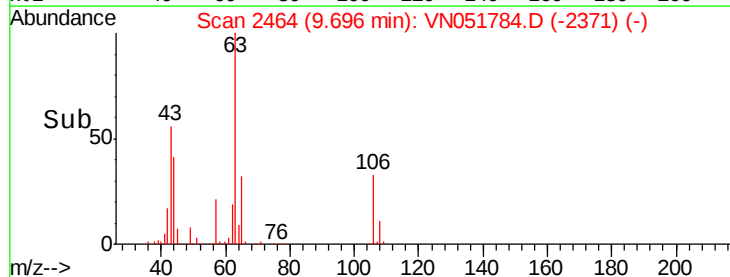
150000

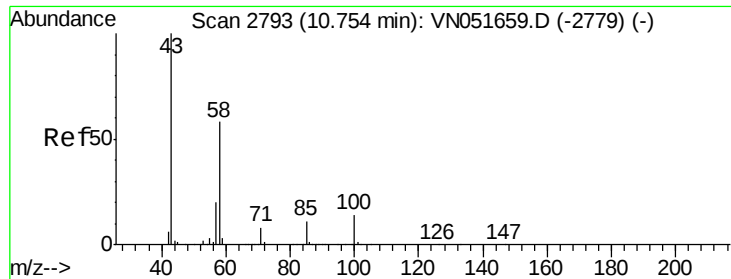
100000

50000

0

Time-->





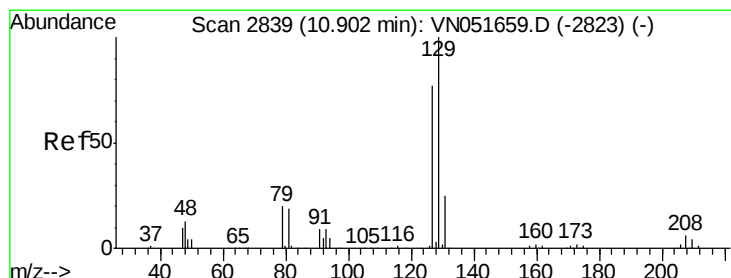
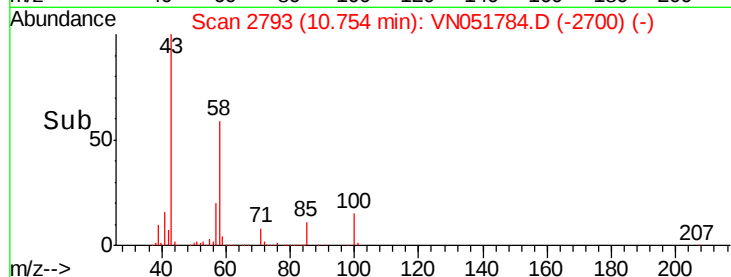
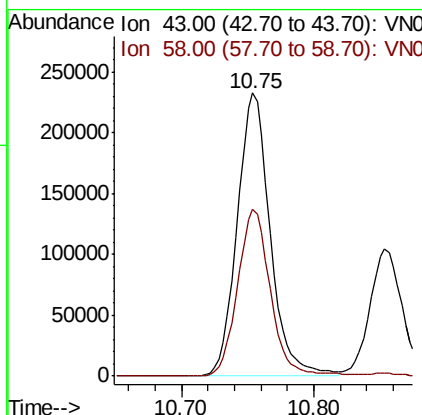
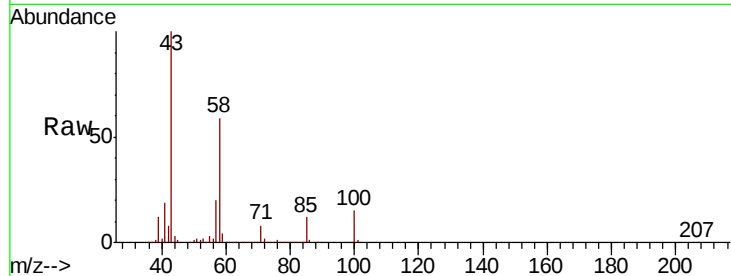
#59
2-Hexanone
Concen: 98.223 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion: 43 Resp: 400229
Ion Ratio Lower Upper
43 100
58 59.0 28.8 86.4

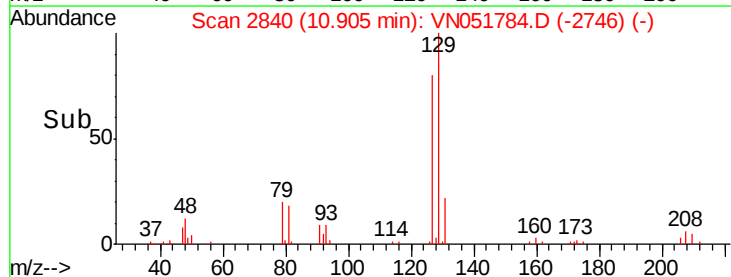
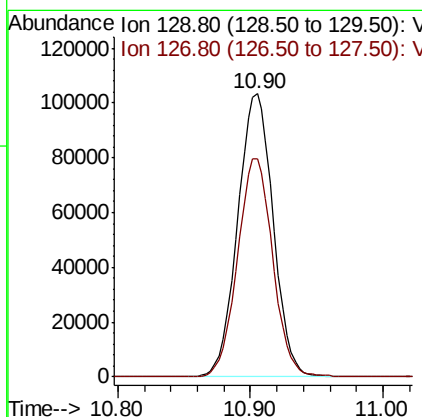
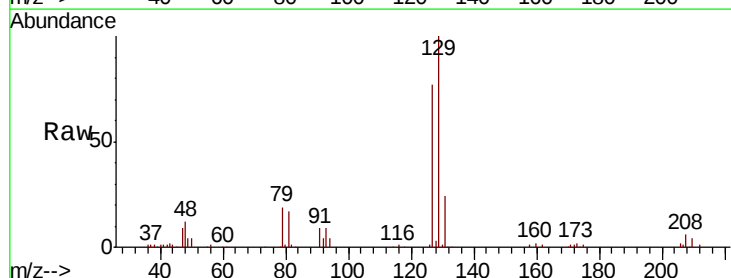
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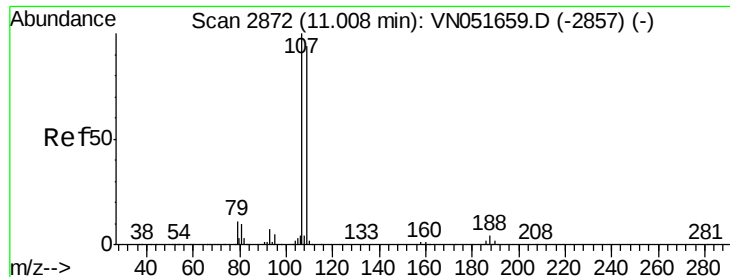
MMDadoda
10/11/2018 5:51:15 PM



#60
Dibromochloromethane
Concen: 19.177 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion: 129 Resp: 191933
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





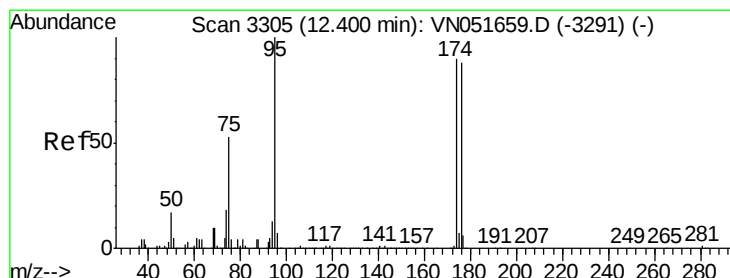
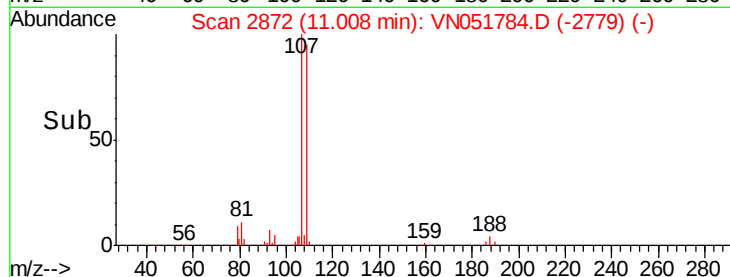
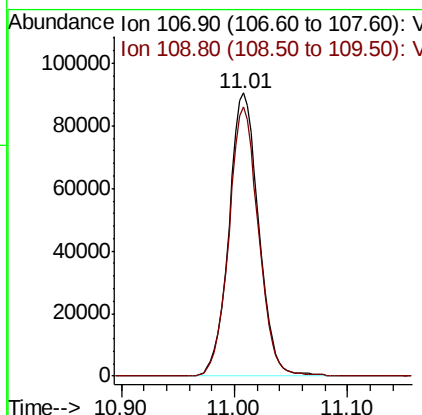
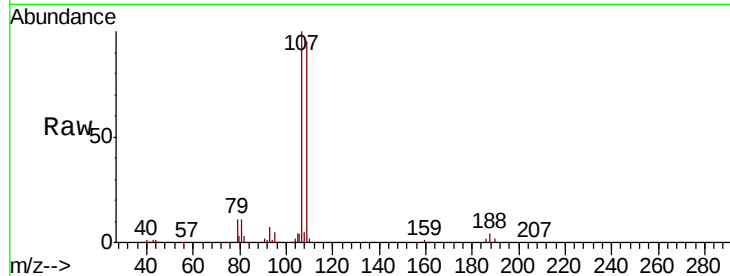
#61
 1,2-Dibromoethane
 Concen: 20.443 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

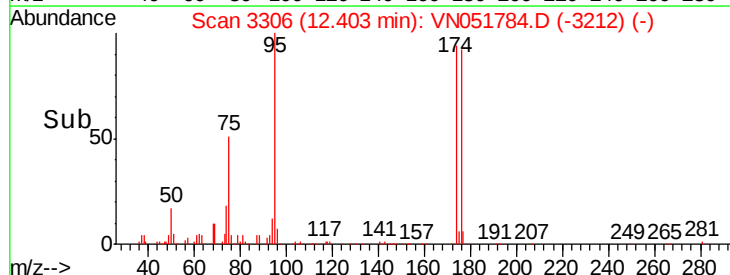
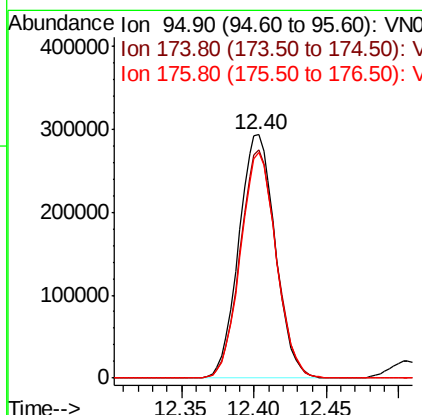
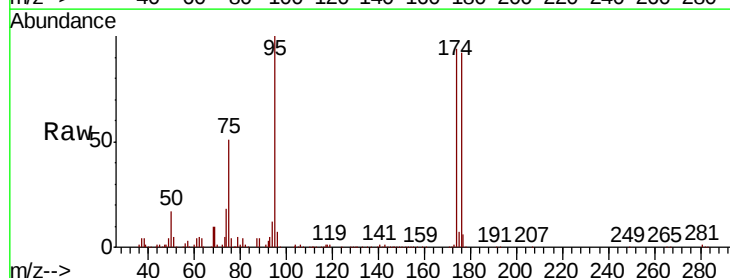
Manual Integrations
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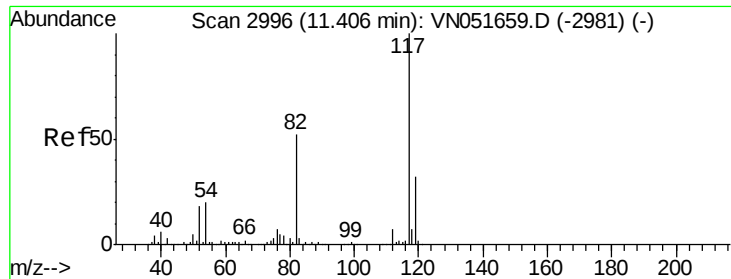
MMDadoda
 10/11/2018 5:51:15 PM



#62
 4-Bromofluorobenzene
 Concen: 20.443 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	182.8
176	90.9	0.0	176.4





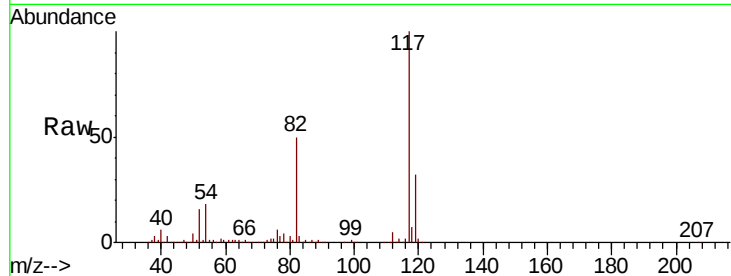
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.3	61.9
119	32.1	25.9	38.9

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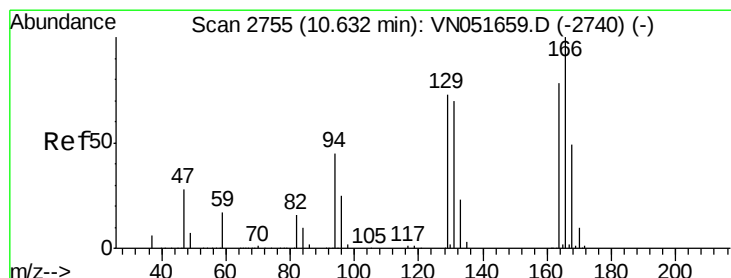
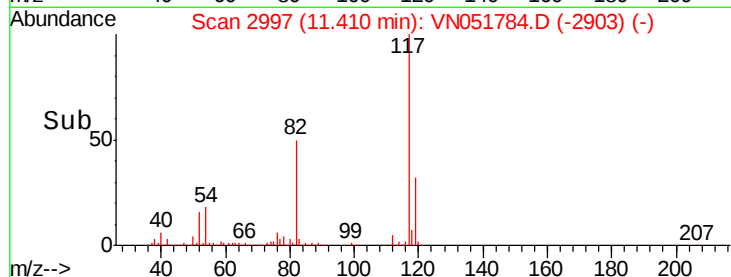
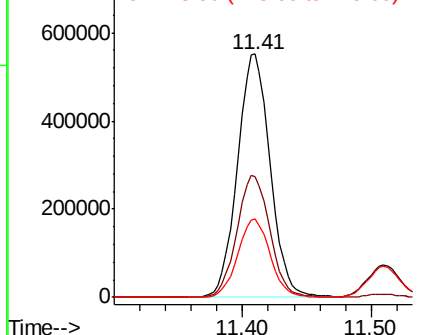


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.165 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.0	154.6
129	91.2	75.2	112.8
131	89.5	71.7	107.5

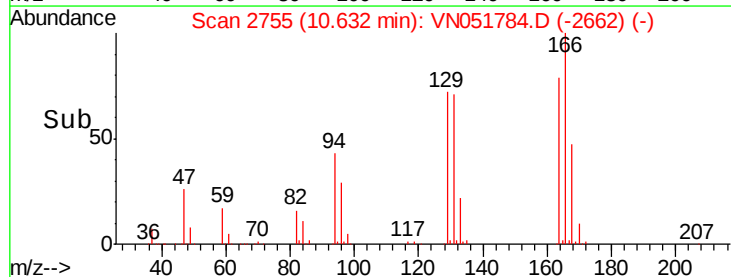
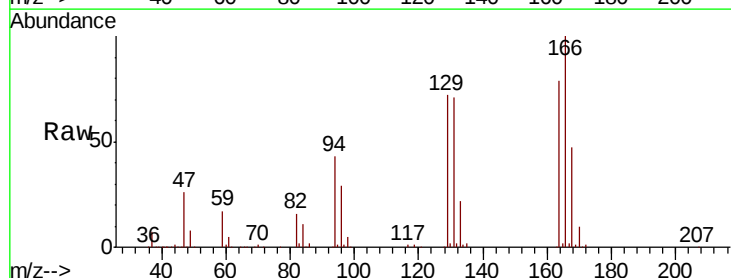
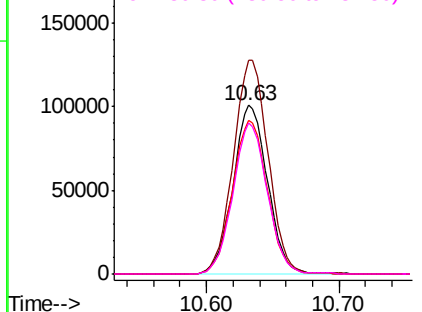
Abundance

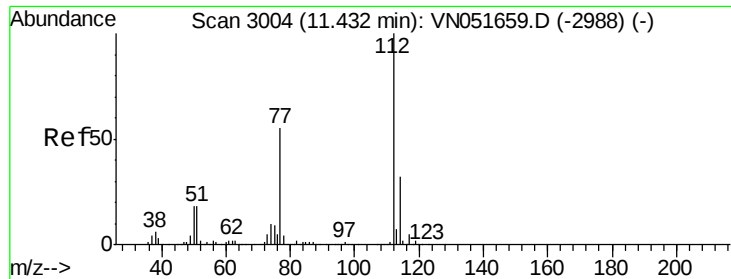
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





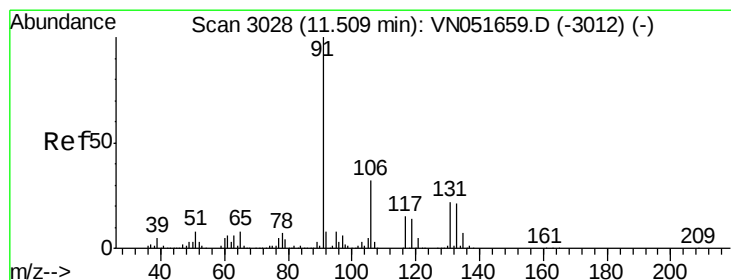
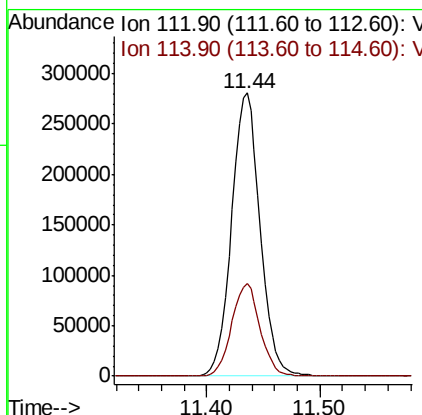
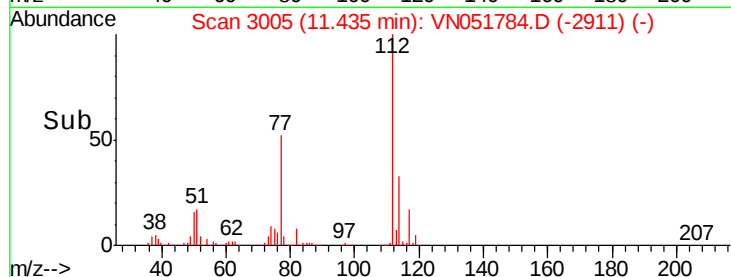
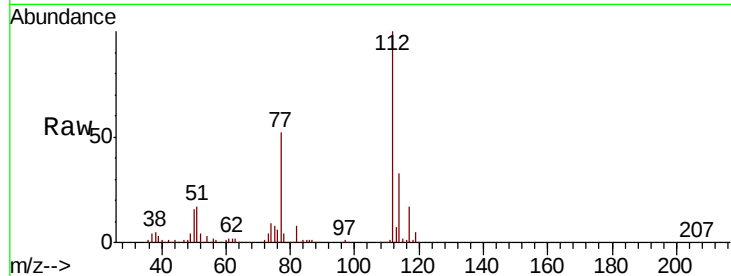
#65
Chlorobenzene
Concen: 20.373 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion:112 Resp: 491088
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9

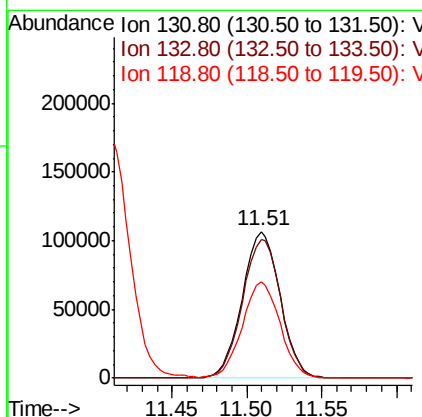
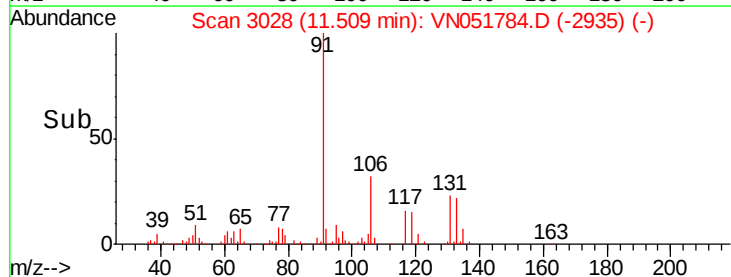
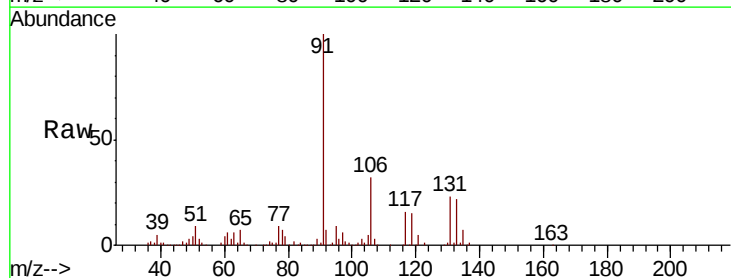
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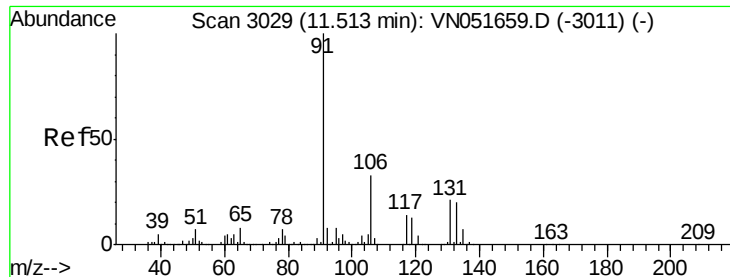
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.469 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion:131 Resp: 187903
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 65.7 32.0 96.0





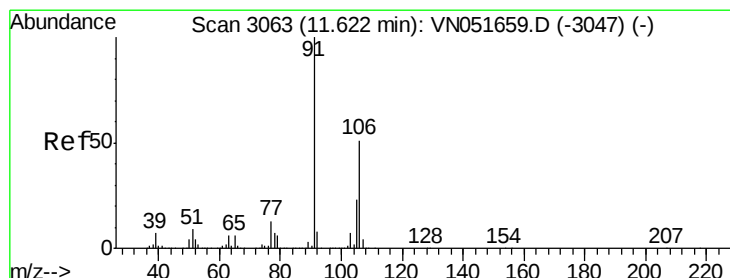
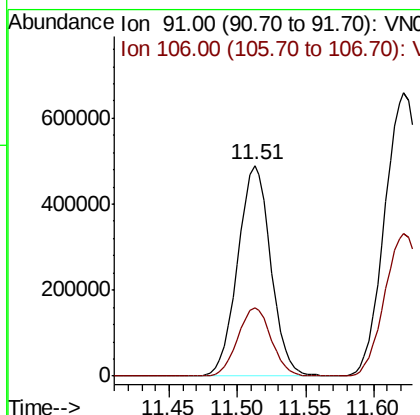
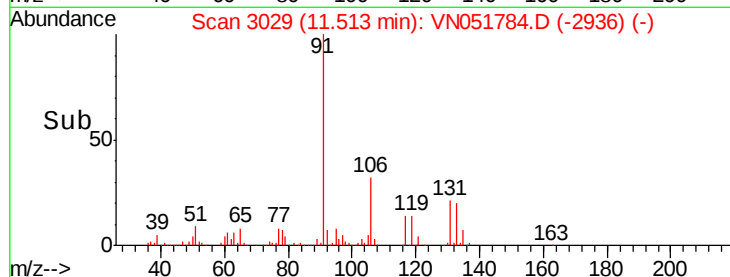
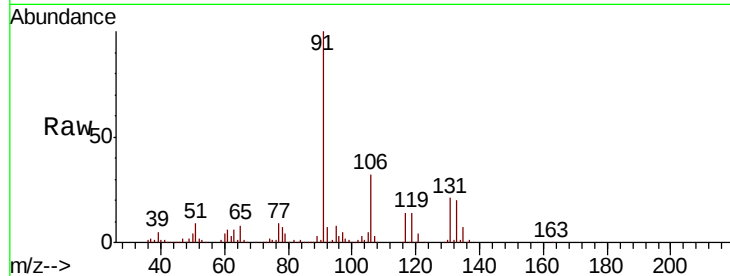
#67
Ethyl Benzene
Concen: 19.796 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion: 91 Resp: 824783
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0

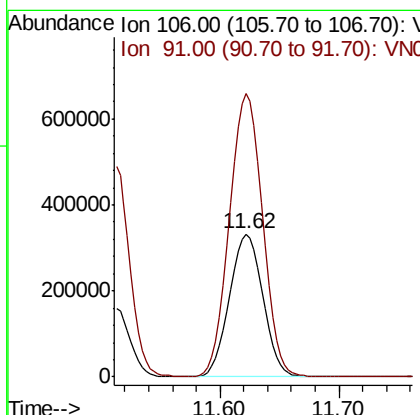
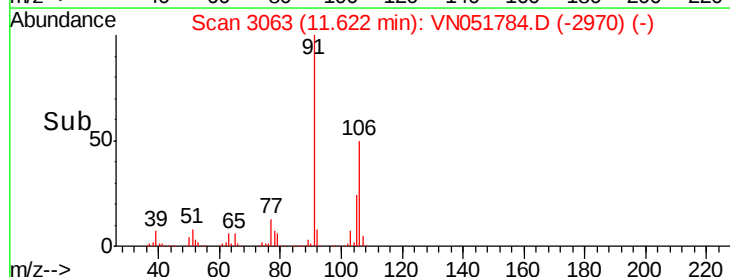
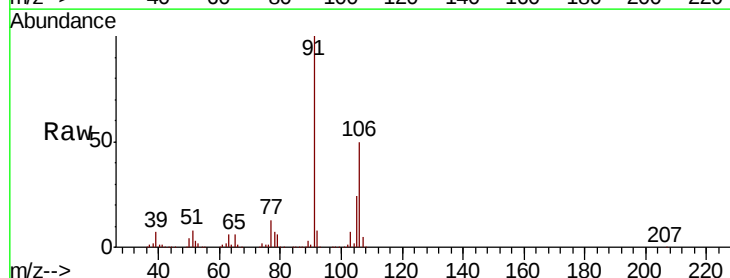
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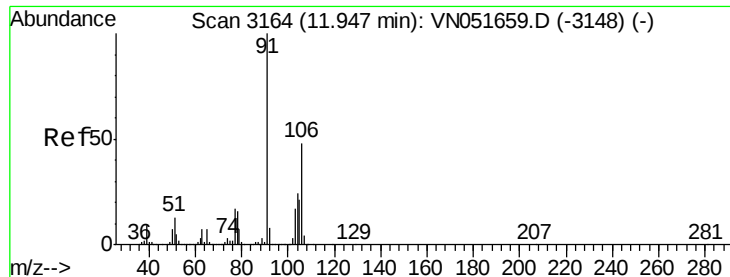
MMDadoda
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#68
m/p-Xylenes
Concen: 38.846 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion: 106 Resp: 647579
Ion Ratio Lower Upper
106 100
91 196.6 158.4 237.6





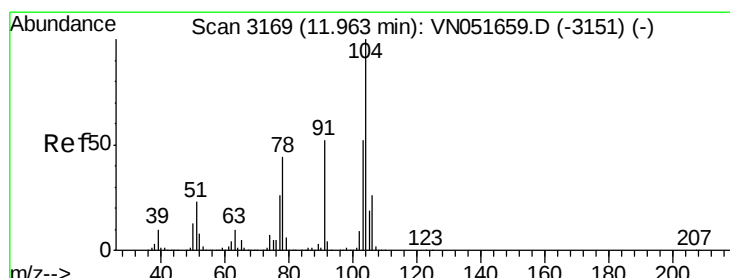
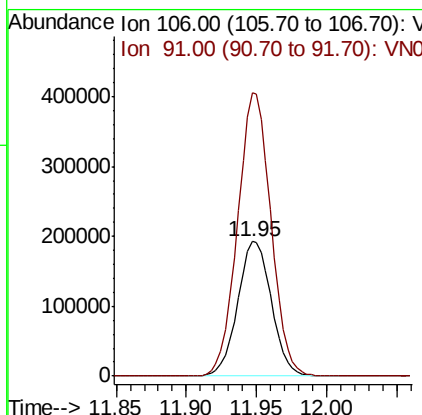
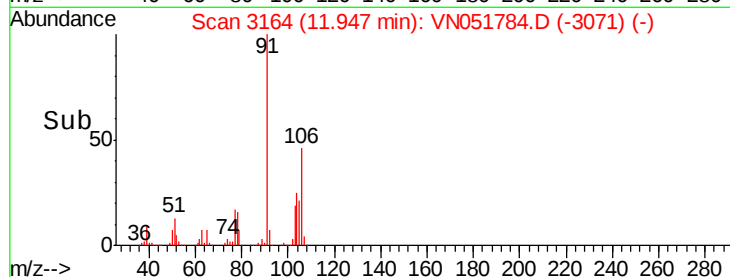
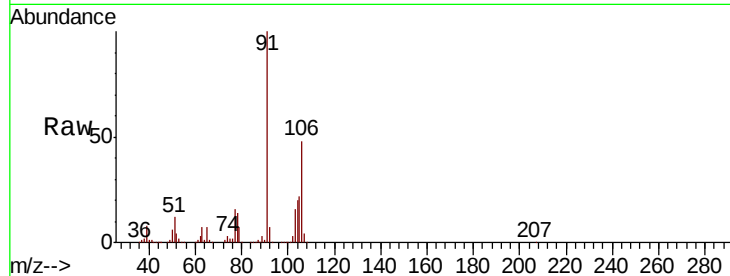
#69
o-Xylene
Concen: 19.721 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion:106 Resp: 322401
Ion Ratio Lower Upper
106 100
91 208.7 104.4 313.2

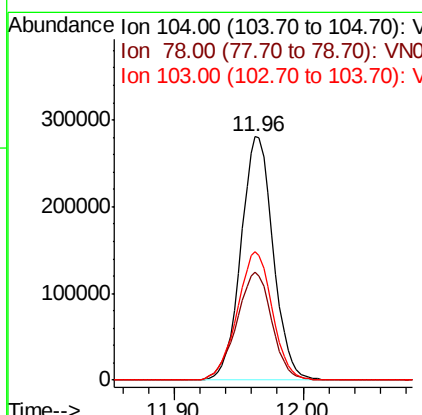
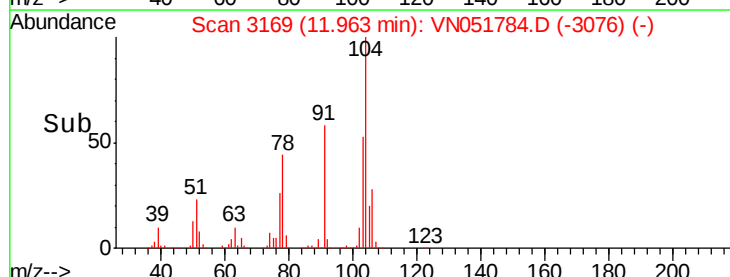
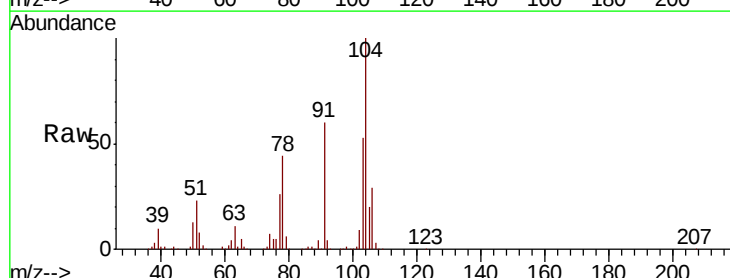
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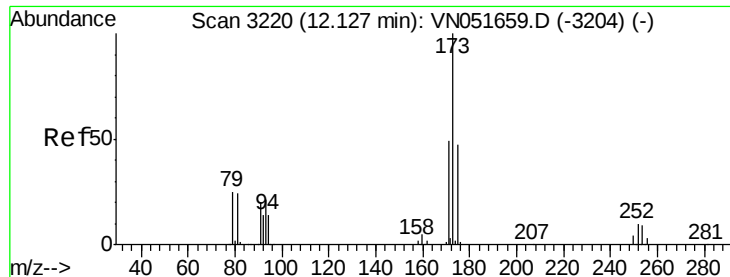
MMDadoda
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#70
Styrene
Concen: 18.728 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion:104 Resp: 487882
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 57.4 45.0 67.6





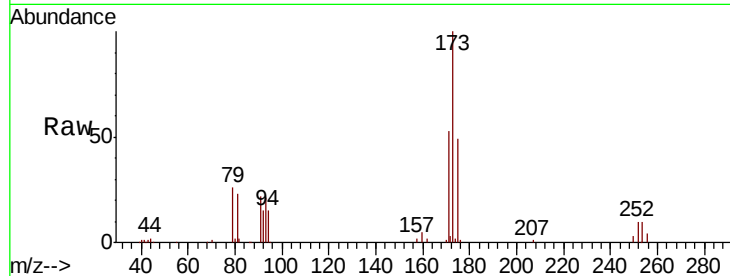
#71
Bromoform
Concen: 17.226 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

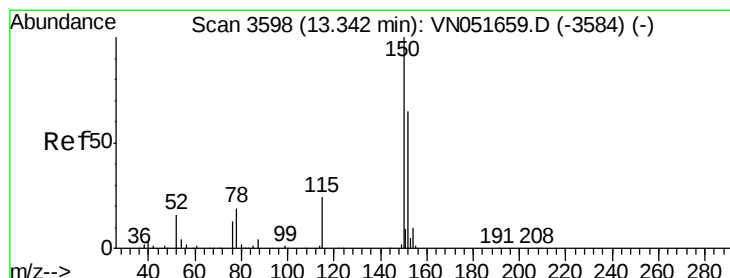
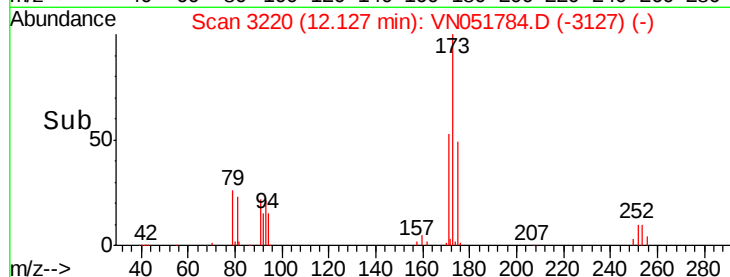
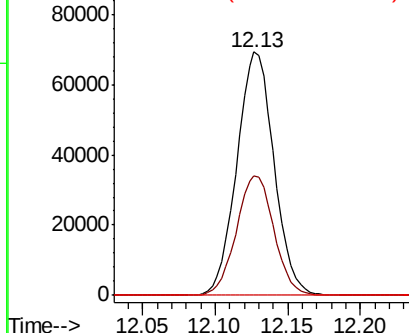
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
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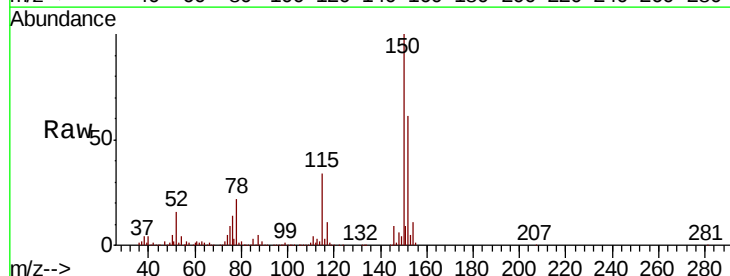


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

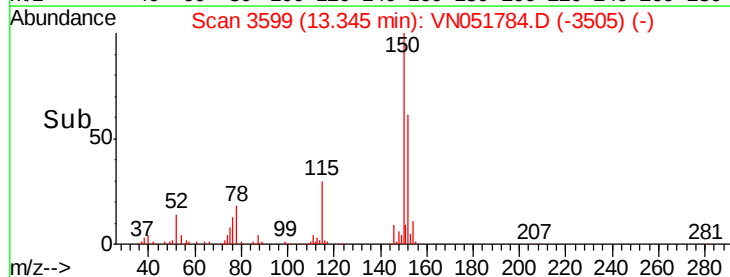
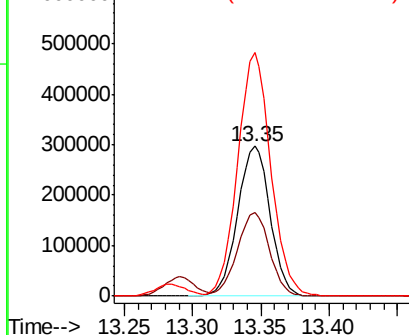


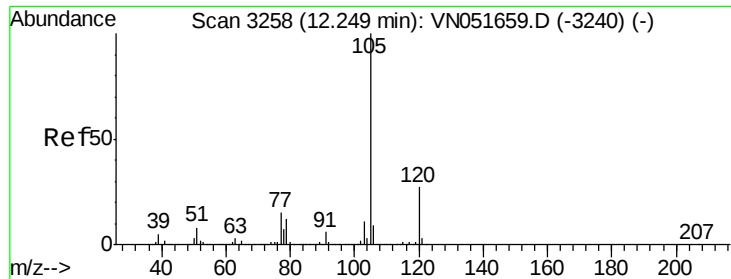
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.6	85.8
150	166.0	0.0	352.4



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





#73

Isopropylbenzene

Concen: 20.794 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion:105 Resp: 868146

Ion Ratio Lower Upper

105 100

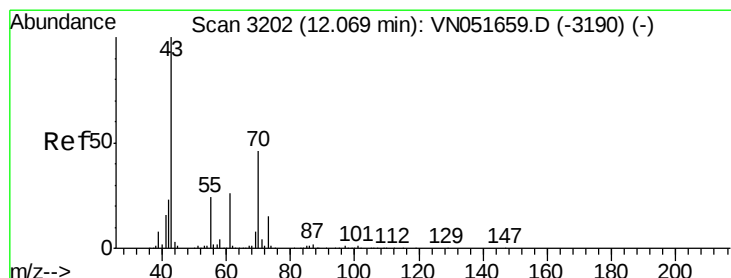
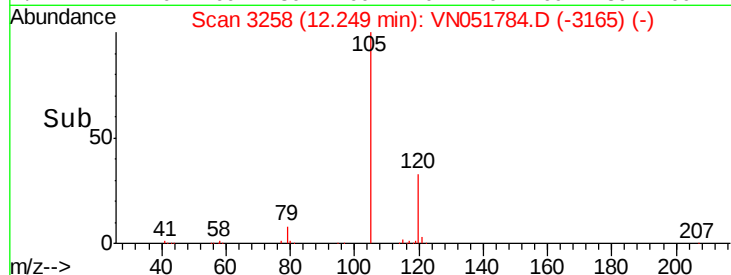
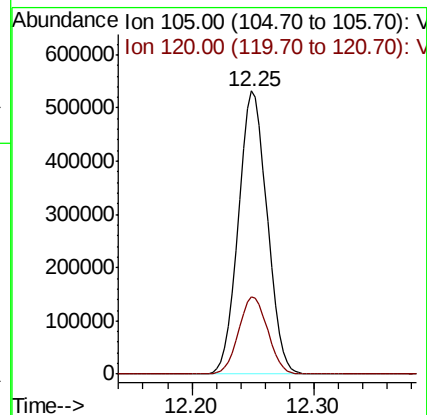
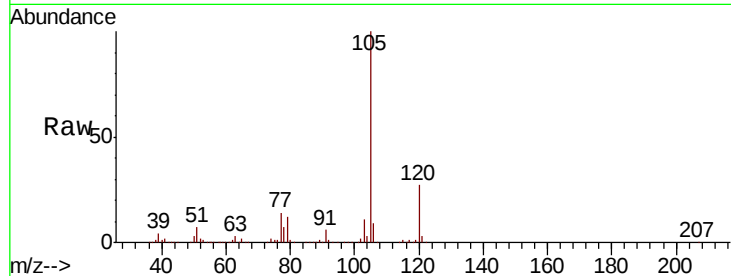
120 27.6 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.206 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion: 43 Resp: 175104

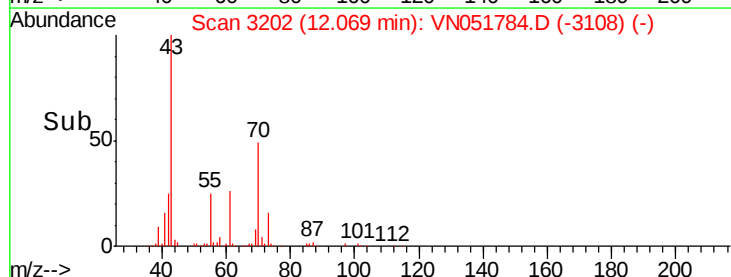
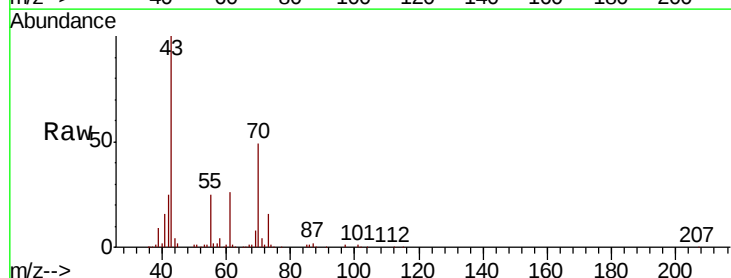
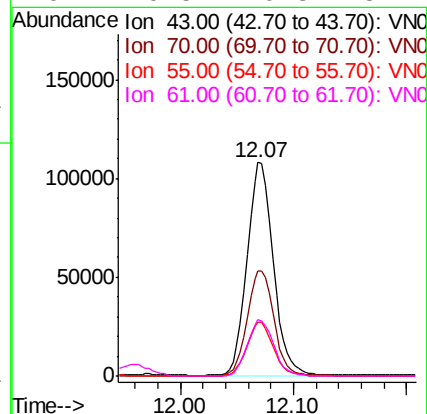
Ion Ratio Lower Upper

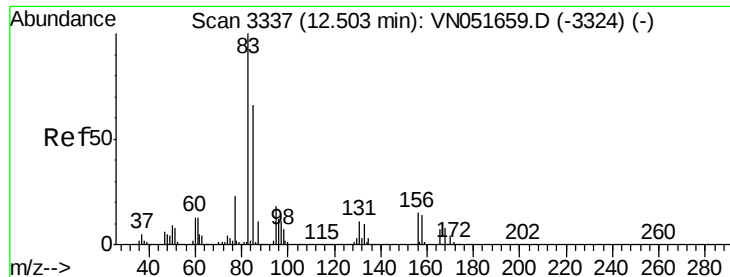
43 100

70 50.4 37.1 55.7

55 25.4 19.1 28.7

61 26.5 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.760 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 83 Resp: 193836

Ion Ratio Lower Upper

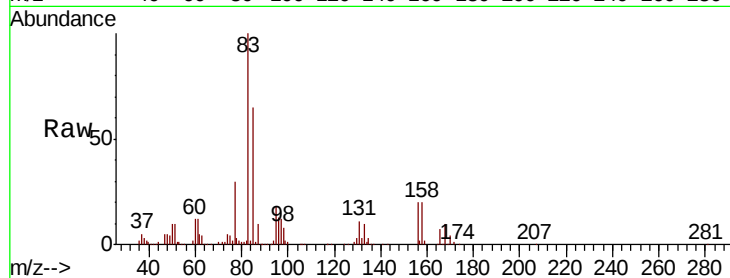
83 100

131 11.5 5.7 17.1

85 65.2 33.0 98.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN051659.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN051659.D (-3324) (-)

12.51

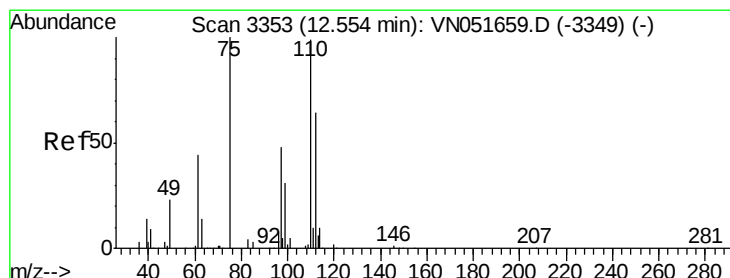
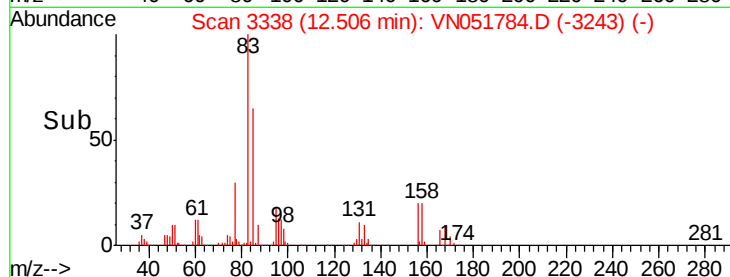
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.738 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051784.D

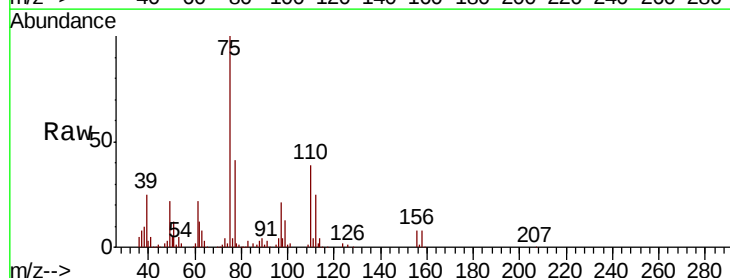
Acq: 10 Oct 2018 12:26

Tgt Ion: 75 Resp: 168747

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051659.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051659.D (-3349) (-)

200000

150000

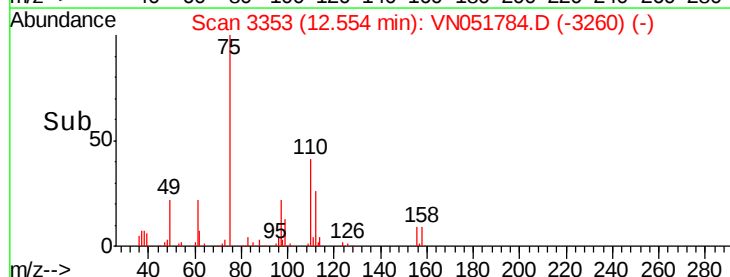
100000

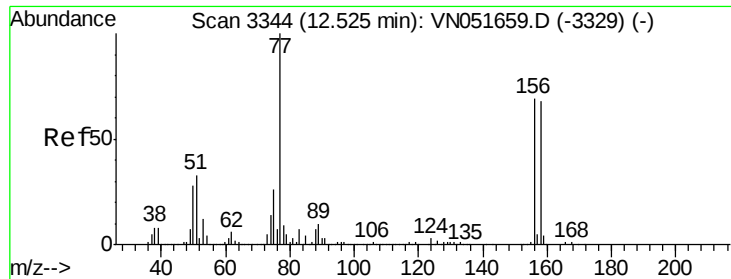
50000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.765 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

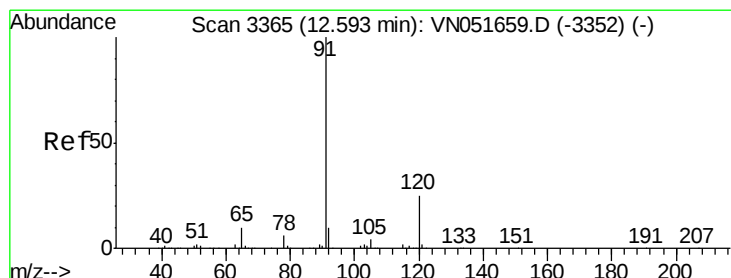
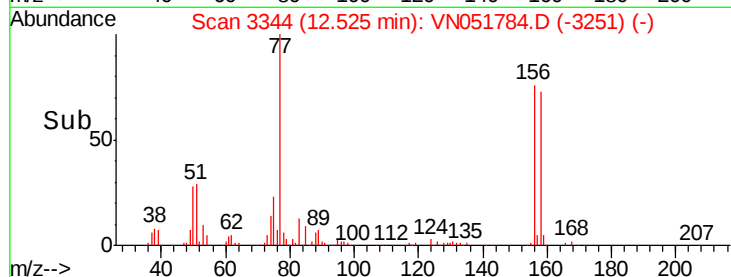
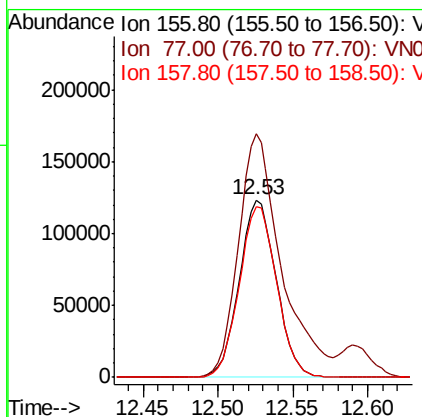
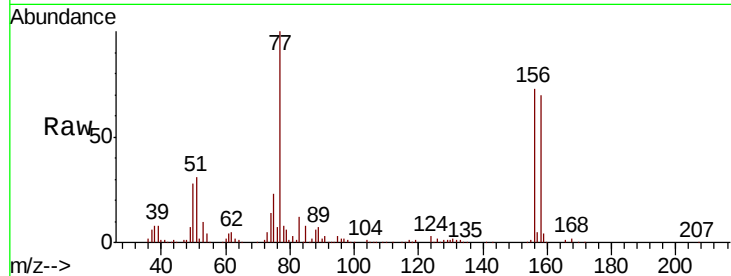
ClientSampleId :

VN1010MBSD02

Tot Ion:	156	Resp:	211970
Ion	Ratio	Lower	Upper
156	100		
77	160.1	83.2	249.4
158	97.5	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.024 ug/l

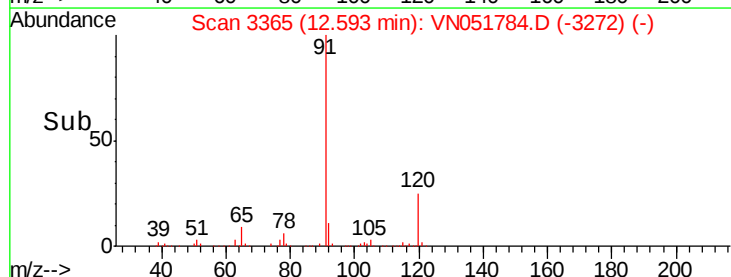
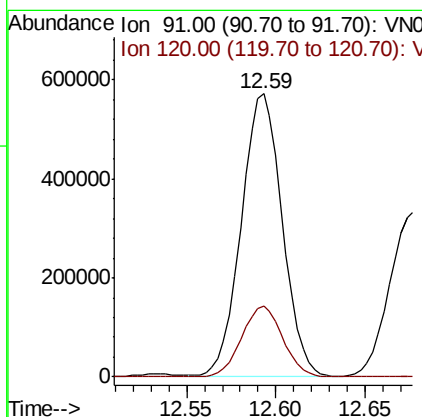
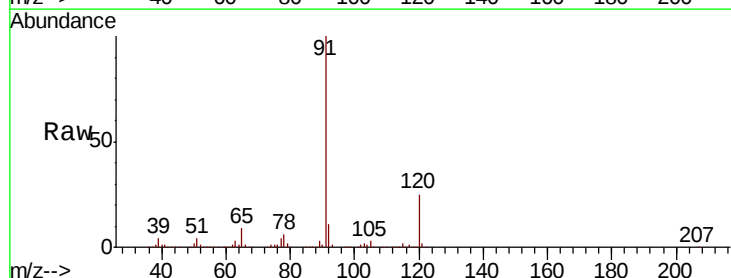
RT: 12.59 min Scan# 3365

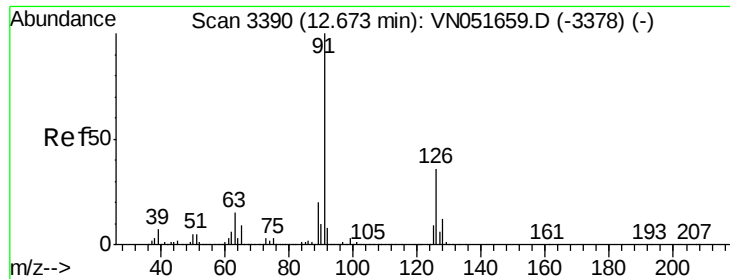
Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	91	Resp:	911841
Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.554 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBSD02

Tot Ion: 91 Resp: 551609

Ion Ratio Lower Upper

91 100

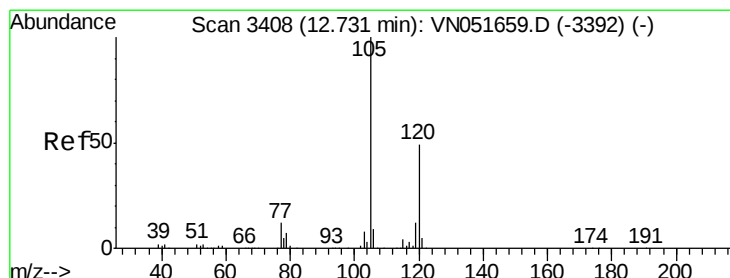
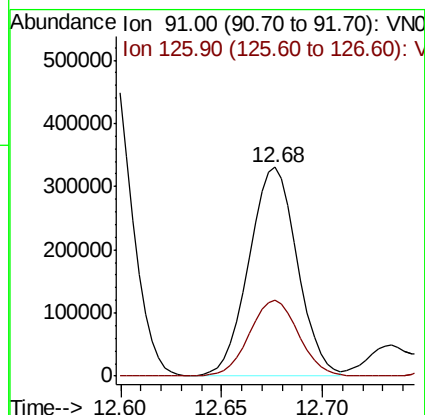
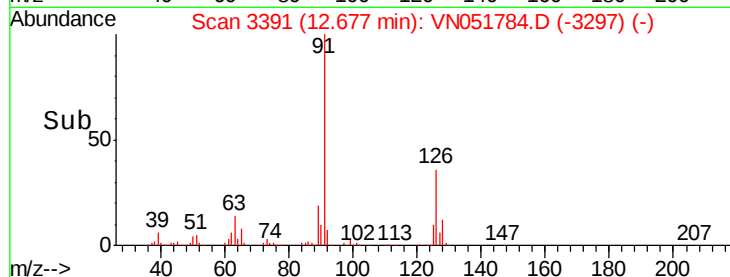
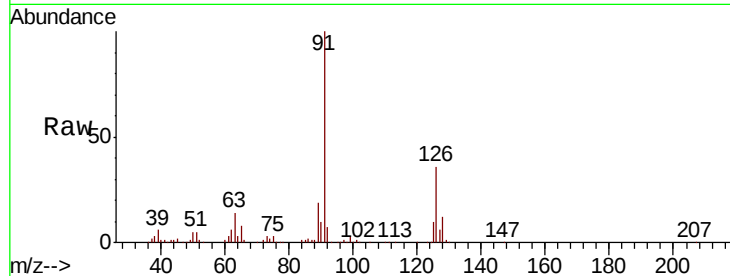
126 37.2 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.344 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051784.D

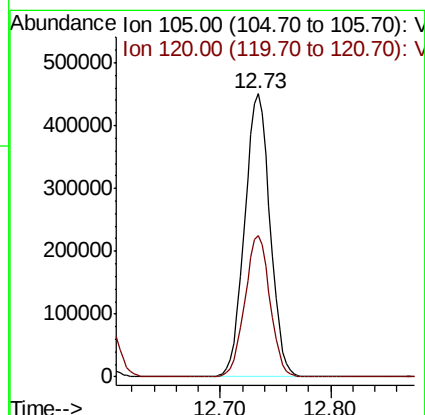
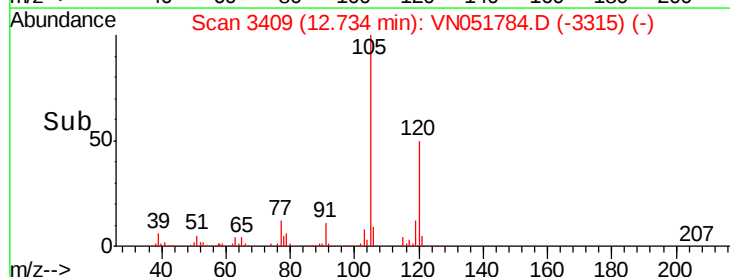
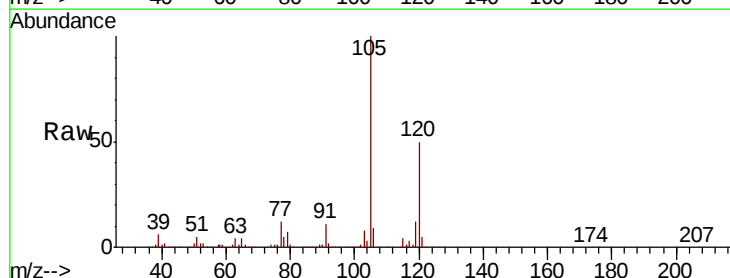
Acq: 10 Oct 2018 12:26

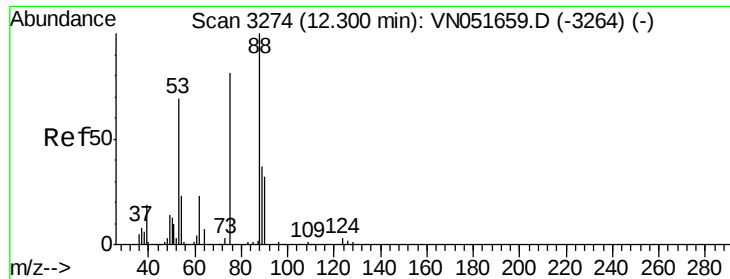
Tgt Ion: 105 Resp: 715797

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





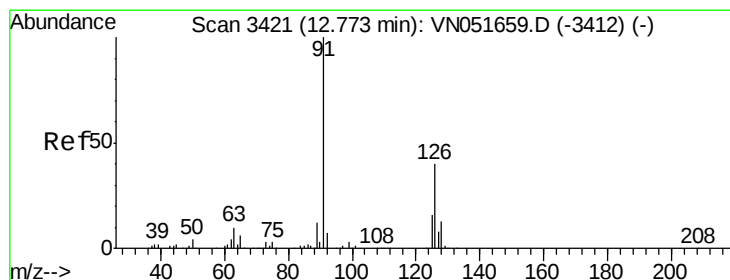
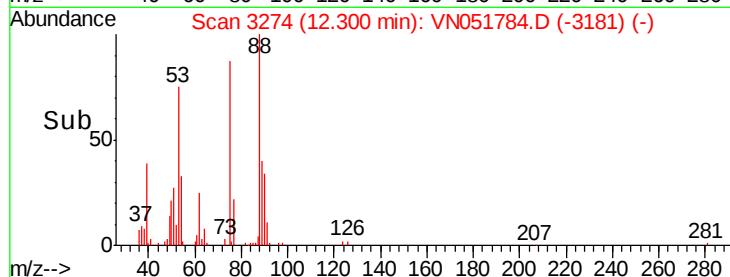
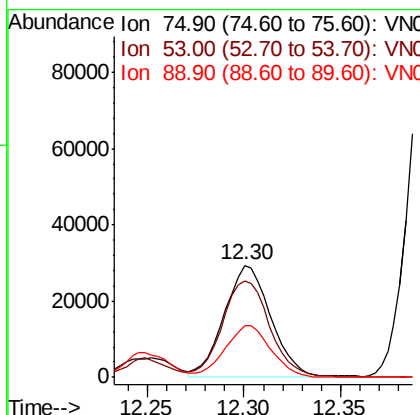
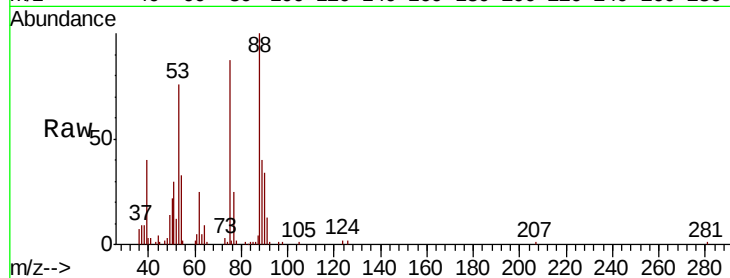
#81
trans-1,4-Dichloro-2-butene
Concen: 18.526 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	68.6	102.8
89	45.8	39.4	59.2

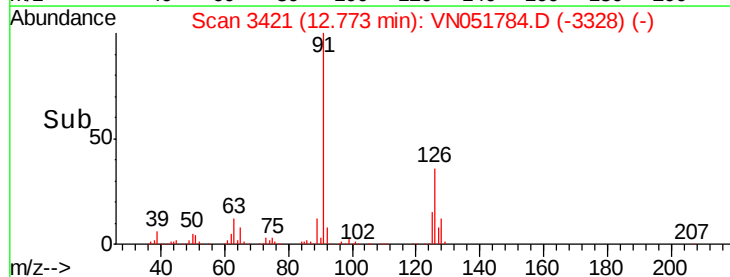
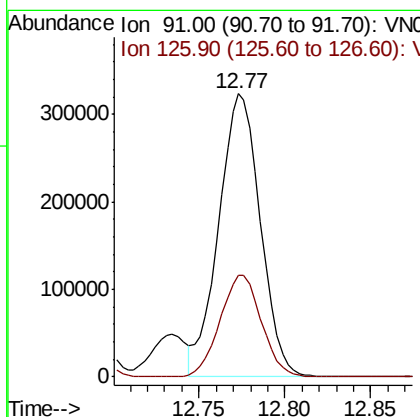
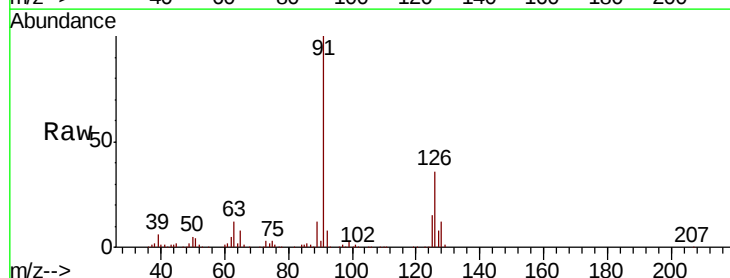
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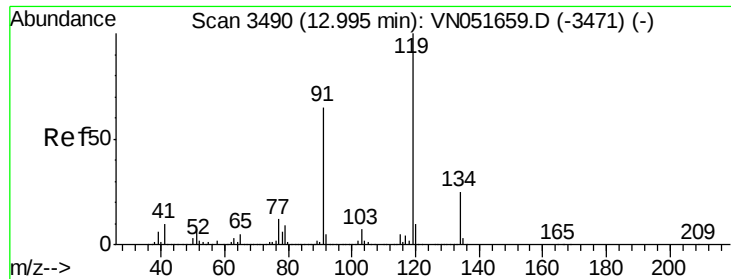
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#82
4-Chlorotoluene
Concen: 20.220 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.0	54.0





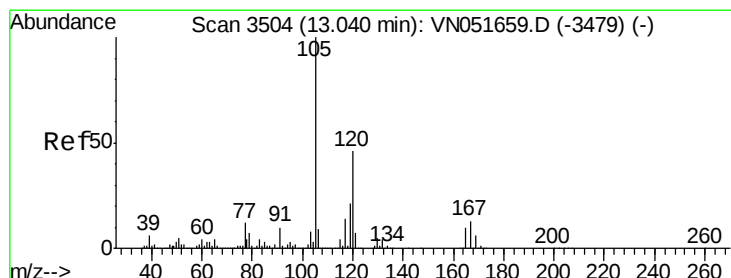
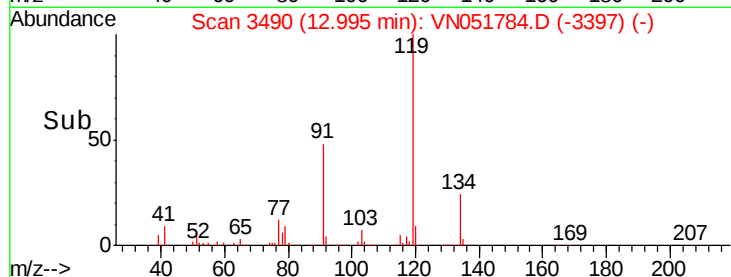
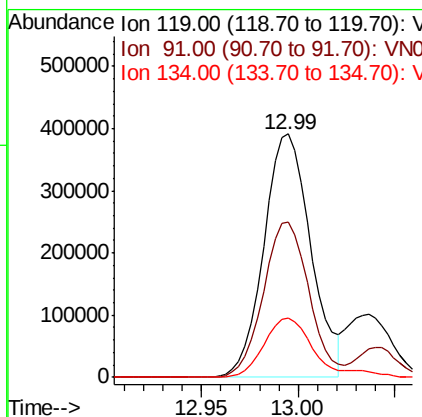
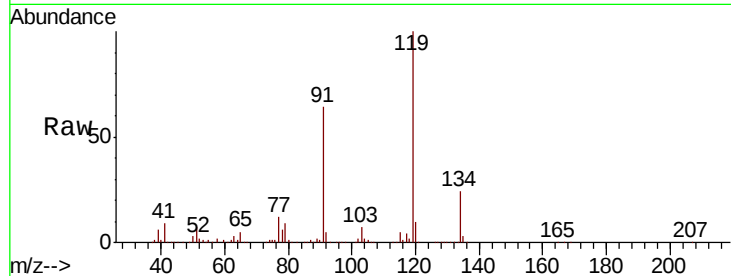
#83
tert-Butylbenzene
Concen: 20.956 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.1	96.5
134	24.4	13.3	39.9

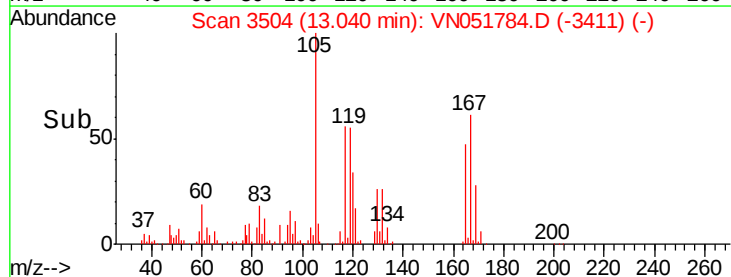
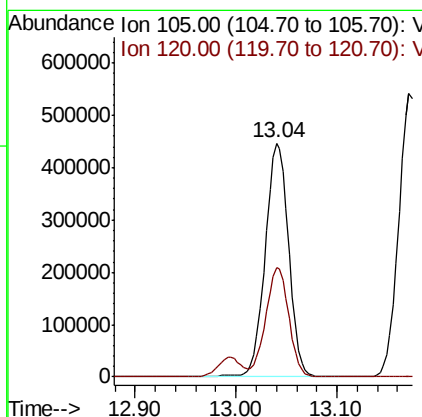
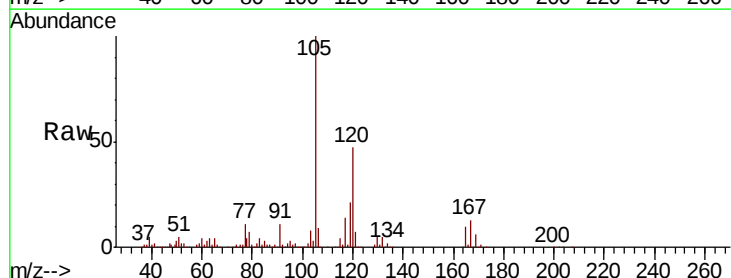
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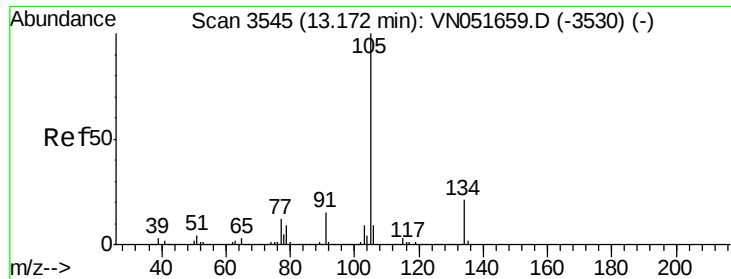
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.476 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.7





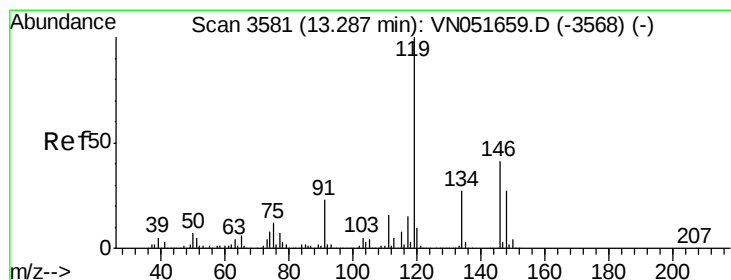
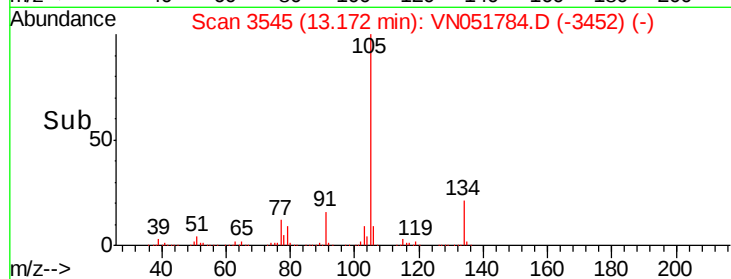
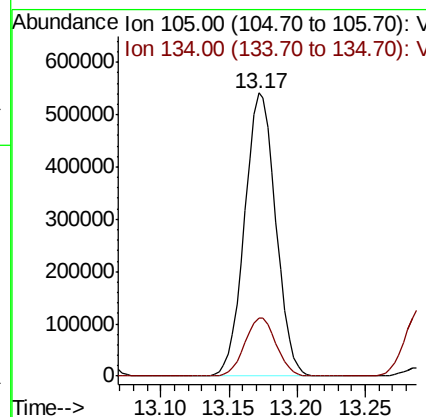
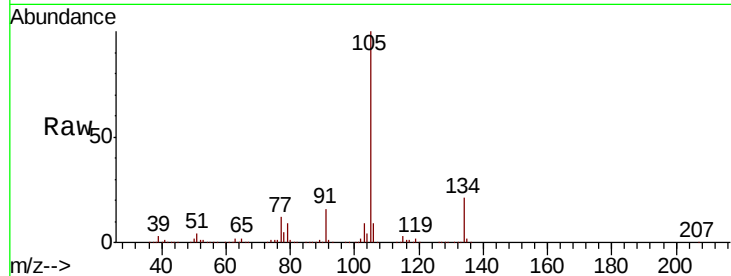
#85
 sec-Butylbenzene
 Concen: 20.590 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.6

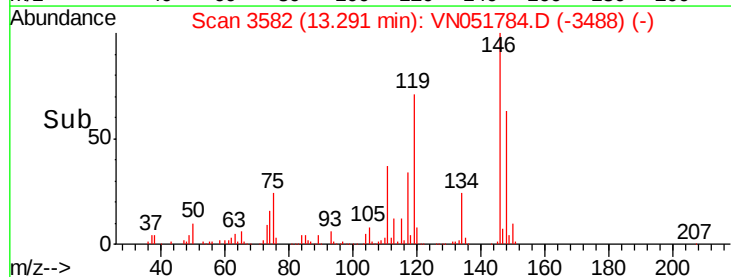
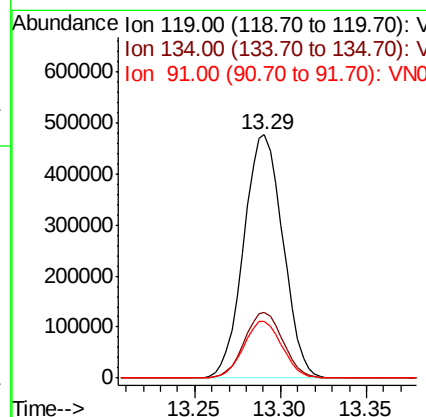
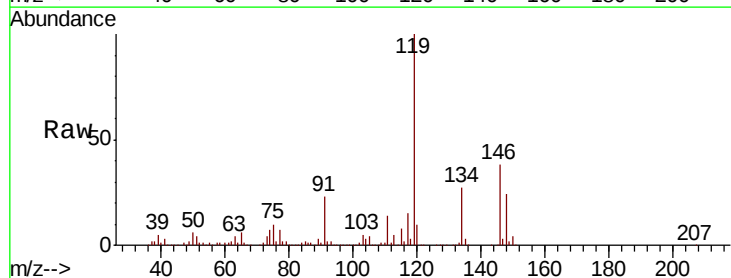
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.459 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.8	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 20.536 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

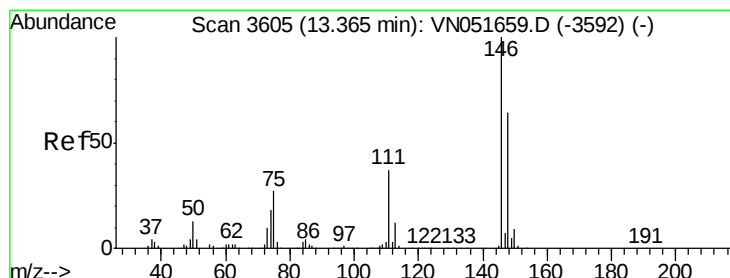
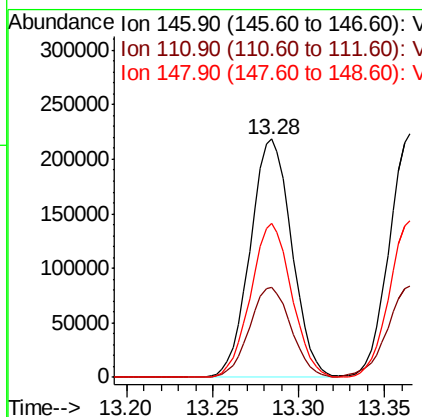
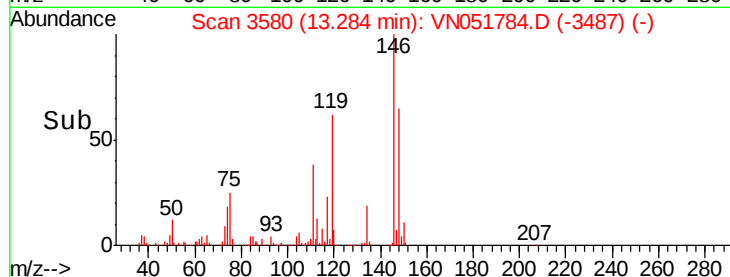
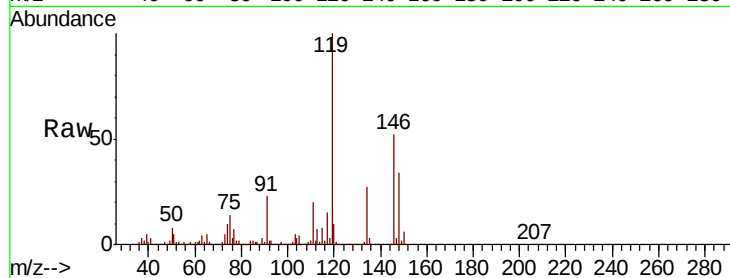
ClientSampleId :

VN1010MBSD02

Tot Ion:	146	Resp:	365288
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.3	57.9
148	63.9	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.519 ug/l

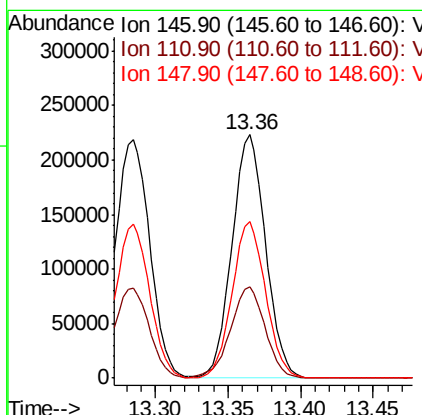
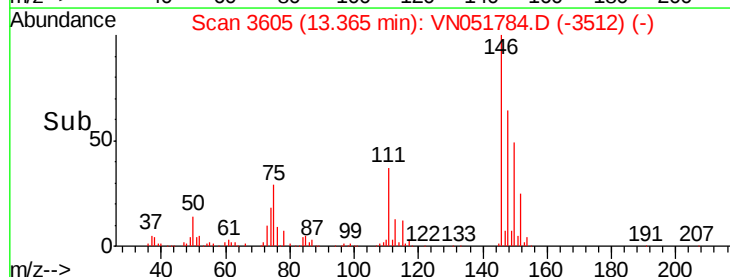
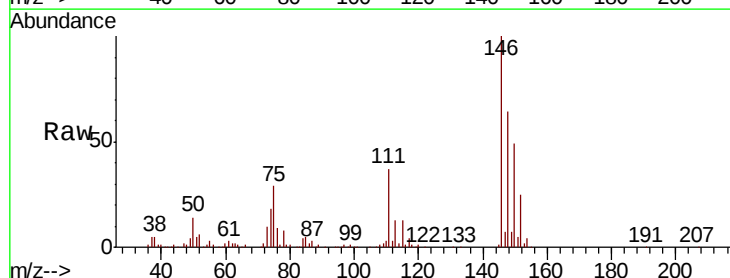
RT: 13.36 min Scan# 3605

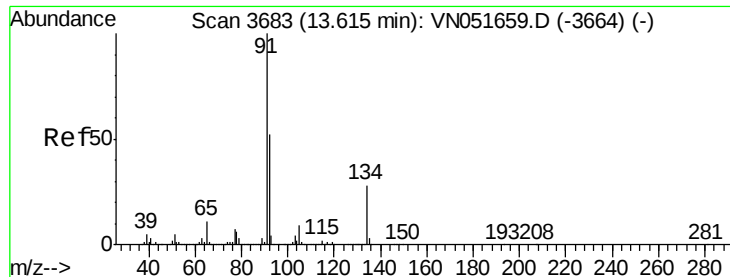
Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	146	Resp:	359256
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.6	55.8
148	64.0	32.3	96.8





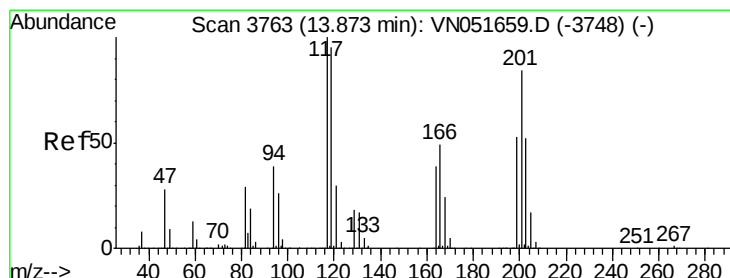
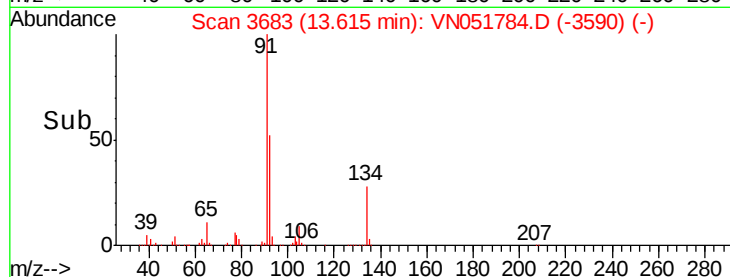
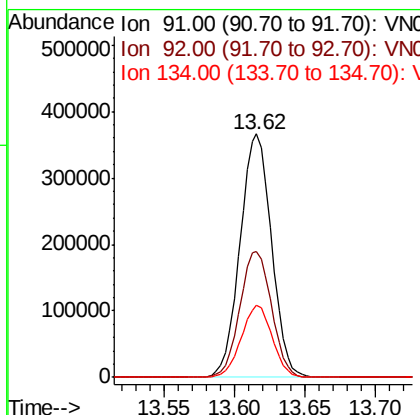
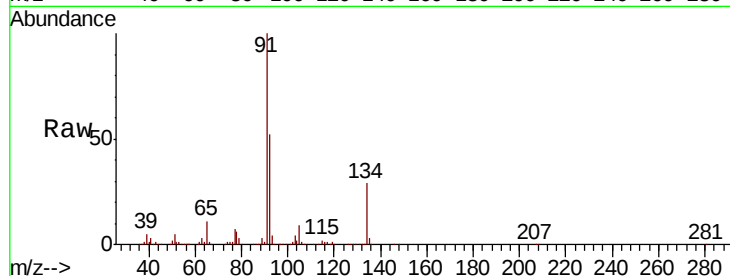
#89
n-Butylbenzene
Concen: 19.578 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	29.1	14.2	42.6

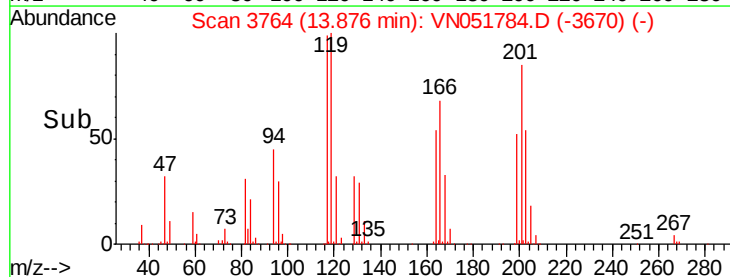
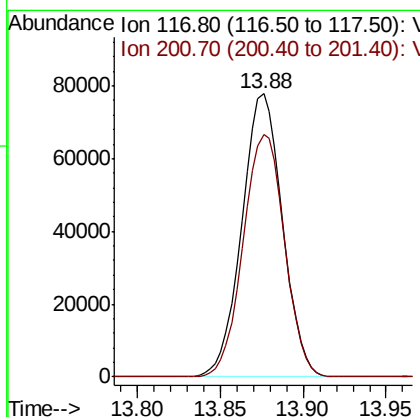
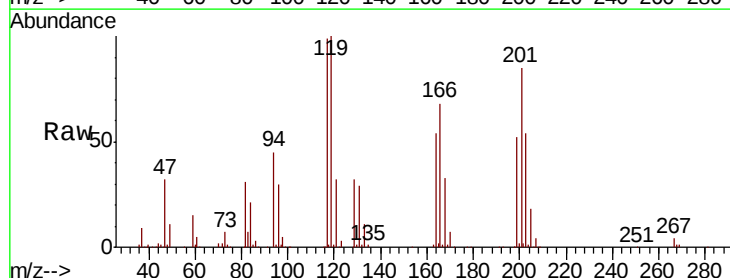
Manual Integrations
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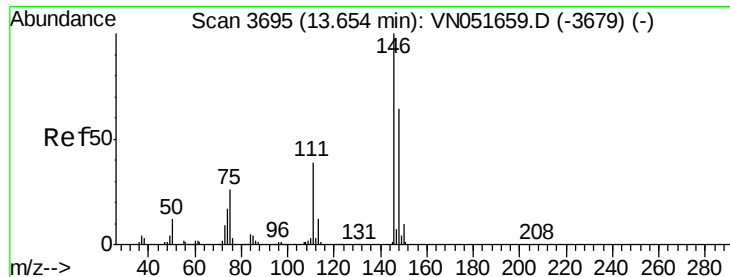
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#90
Hexachloroethane
Concen: 17.948 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.4	127.3





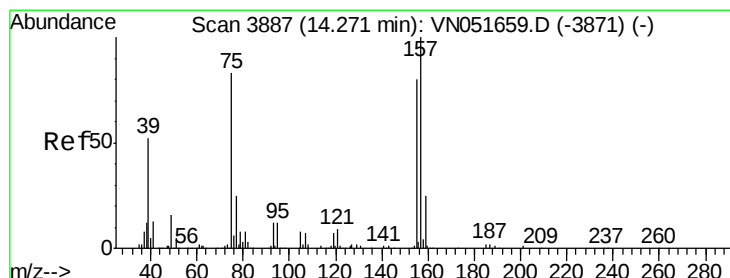
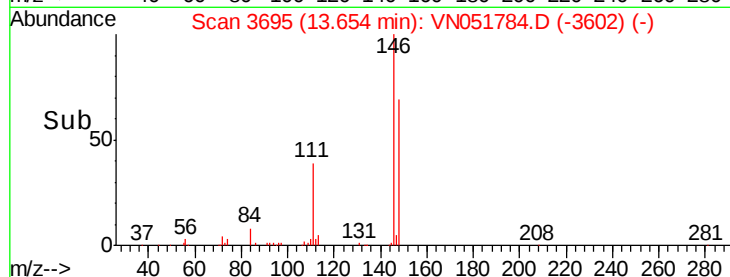
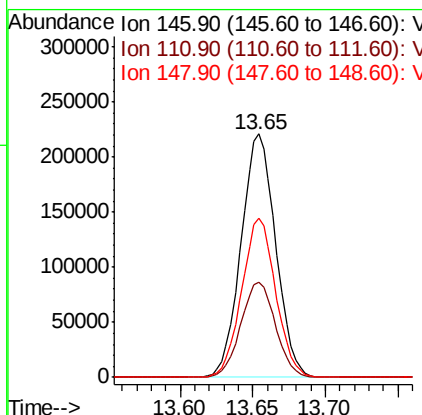
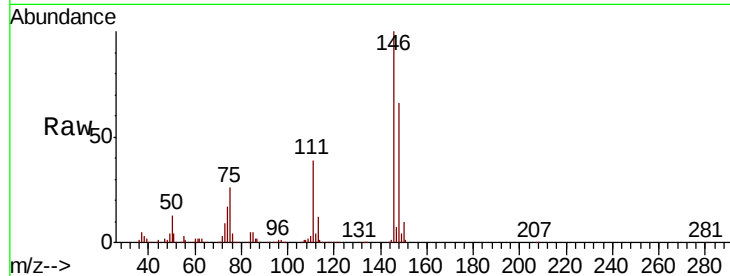
#91
 1,2-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.2	32.1	96.3

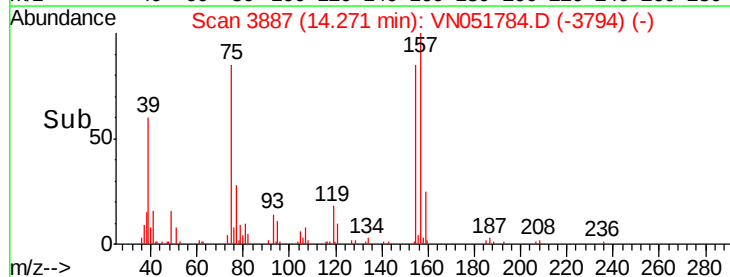
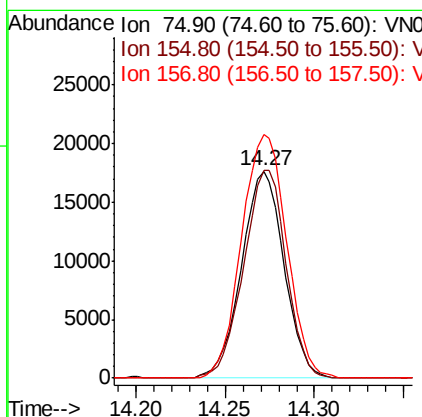
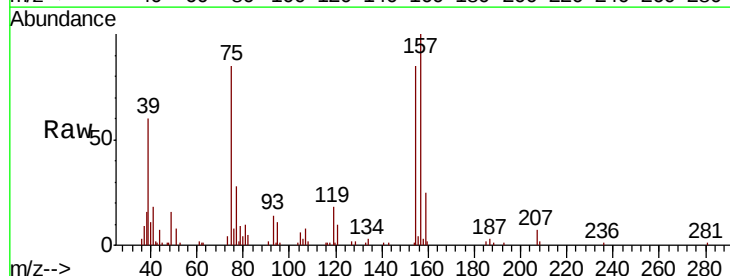
Manual Integrations
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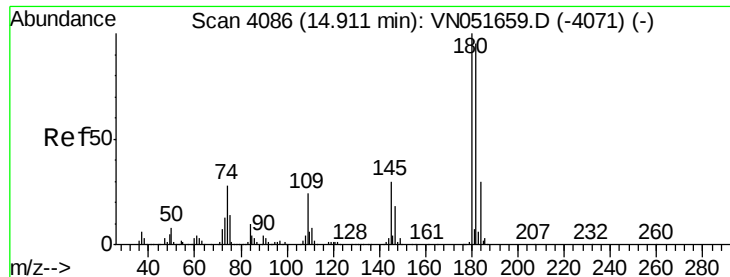
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 10/11/2018 5:51:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.015 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051784.D
 Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	47.6	142.9
157	124.9	61.7	185.1





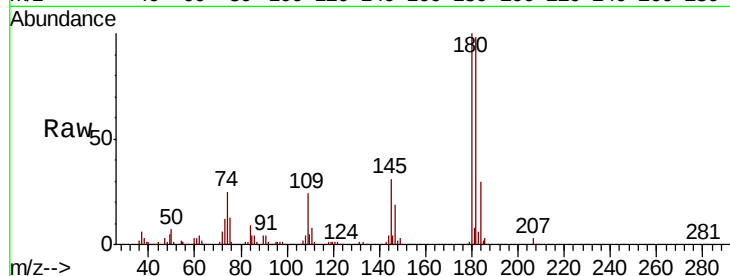
#93
1,2,4-Trichlorobenzene
Concen: 20.291 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBSD02

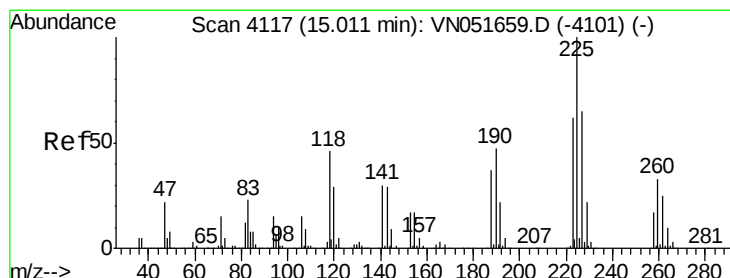
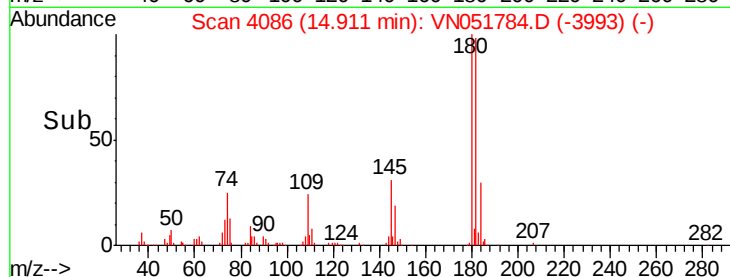
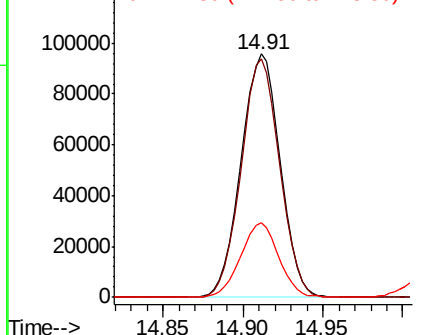
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.7	143.1
145	29.6	15.3	45.9

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM

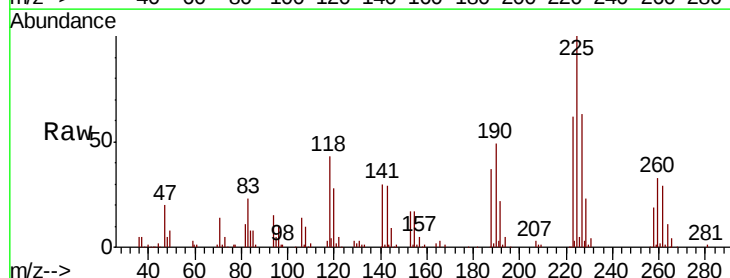


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

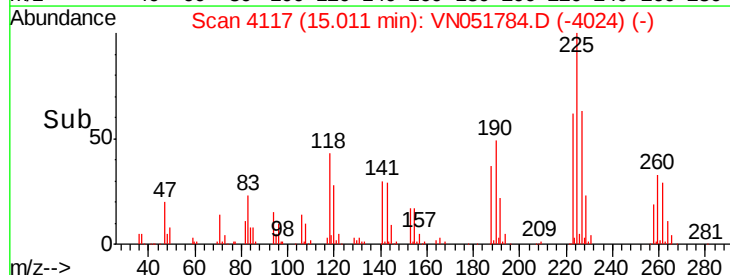
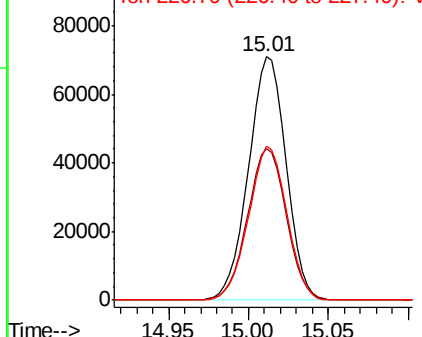


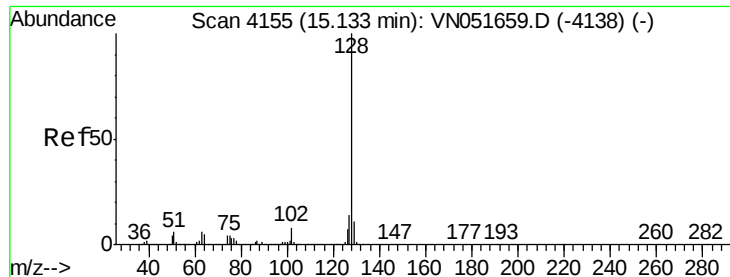
#94
Hexachlorobutadiene
Concen: 21.512 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051784.D
Acq: 10 Oct 2018 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.5
227	64.1	31.7	95.1



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: 20.039 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Instrument :

MSVOA_N

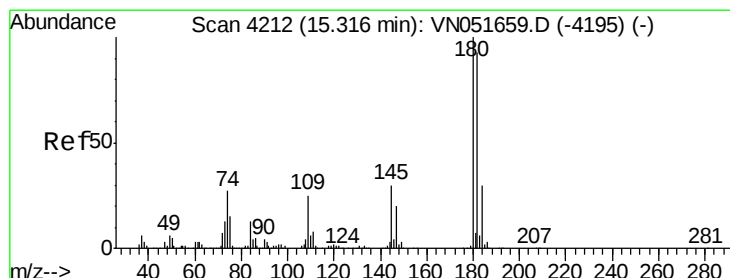
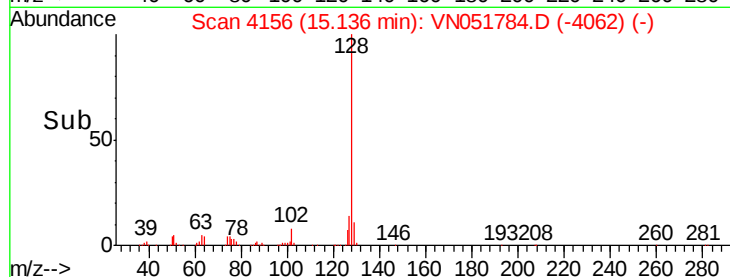
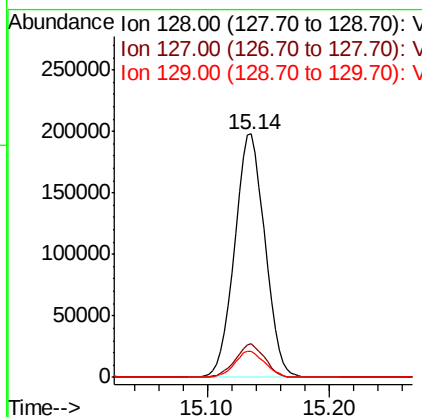
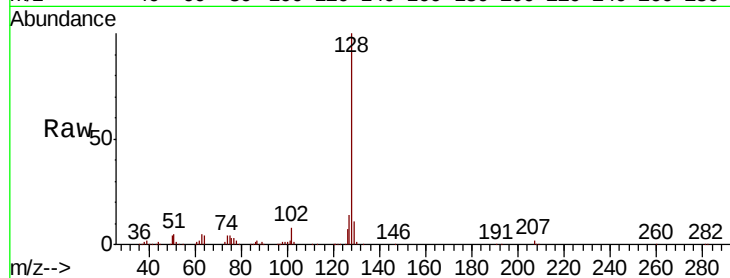
ClientSampleId :

VN1010MBSD02

Tot Ion:	128	Resp:	340508
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.492 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051784.D

Acq: 10 Oct 2018 12:26

Tgt Ion:	180	Resp:	166551
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	141.8
145	31.1	15.6	46.8

