

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051735.D
 Acq On : 8 Oct 2018 14:59
 Operator : MD\SY
 Sample : VN1008MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:39 AM

Quant Time: Oct 09 05:14:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	425442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	380652	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	342477	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1266775	50.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	419933	47.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	156297	22.473	ug/l	99
3) Chloromethane	2.06	50	136901	20.950	ug/l	100
4) Vinyl Chloride	2.18	62	208442	20.249	ug/l	99
5) Bromomethane	2.56	94	169160	21.369	ug/l	98
6) Chloroethane	2.70	64	138167	19.971	ug/l	97
7) Trichlorofluoromethane	3.01	101	251489	22.729	ug/l	97
8) Diethyl Ether	3.41	74	66324	22.110	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121010	21.150	ug/l	97
10) Methyl Iodide	3.95	142	135409	19.401	ug/l	99
11) Tert butyl alcohol	4.79	59	55861	108.658	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	113074	21.204	ug/l	94
13) Acrolein	3.61	56	28787	89.629	ug/l	99
14) Allyl chloride	4.32	41	154316	18.973	ug/l	99
15) Acrylonitrile	4.99	53	184573	104.041	ug/l	99
16) Acetone	3.82	43	132767	92.946	ug/l	99
17) Carbon Disulfide	4.05	76	307945	18.998	ug/l	100
18) Methyl Acetate	4.33	43	96072	23.010	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	357869	20.331	ug/l	99
20) Methylene Chloride	4.55	84	126796	20.373	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	123372	19.524	ug/l	93
22) Diisopropyl ether	5.96	45	336642	19.309	ug/l	99
23) Vinyl Acetate	5.90	43	1249332	97.457	ug/l	99
24) 1,1-Dichloroethane	5.85	63	215613	19.229	ug/l	98
25) 2-Butanone	6.84	43	214630	98.258	ug/l	96
26) 2,2-Dichloropropane	6.83	77	192536	17.135	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	146471	19.967	ug/l	96
28) Bromochloromethane	7.20	49	89341	17.998	ug/l	96
29) Tetrahydrofuran	7.22	42	139946	104.401	ug/l	97
30) Chloroform	7.37	83	254290	20.185	ug/l	100
31) Cyclohexane	7.65	56	192115	18.709	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235634	19.297	ug/l	100
36) 1,1-Dichloropropene	7.80	75	174572	19.149	ug/l	99
37) Ethyl Acetate	6.93	43	99584	20.944	ug/l	99
38) Carbon Tetrachloride	7.78	117	208392	19.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216702	18.936	ug/l	98
40) Benzene	8.04	78	532398	19.700	ug/l	99
41) Methacrylonitrile	7.18	41	46272m	18.701	ug/l	
42) 1,2-Dichloroethane	8.13	62	177904	19.533	ug/l	99
43) Isopropyl Acetate	8.17	43	205514	20.731	ug/l	99
44) Trichloroethene	8.84	130	157845	20.570	ug/l	99
45) 1,2-Dichloropropane	9.12	63	130514	19.533	ug/l	99
46) Dibromomethane	9.21	93	92103	19.831	ug/l	99
47) Bromodichloromethane	9.41	83	194031	18.978	ug/l	99
48) Methyl methacrylate	9.20	41	95755	21.139	ug/l	99
49) 1,4-Dioxane	9.20	88	30478	448.717	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	533155	106.137	ug/l	99
52) Toluene	10.16	92	349660	19.453	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	193204	18.314	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	204339	18.240	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	128668	20.094	ug/l	98
56) Ethyl methacrylate	10.43	69	164420	20.305	ug/l	99
57) 1,3-Dichloropropane	10.71	76	205256	20.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	329342	98.272	ug/l	99
59) 2-Hexanone	10.75	43	349848	102.551	ug/l	97
60) Dibromochloromethane	10.90	129	160621	19.168	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136856	20.218	ug/l	99
64) Tetrachloroethene	10.63	164	146765	20.481	ug/l	97
65) Chlorobenzene	11.44	112	393145	19.543	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156421	19.420	ug/l	98
67) Ethyl Benzene	11.51	91	686790	19.752	ug/l	99
68) m/p-Xylenes	11.62	106	542600	39.002	ug/l	100
69) o-Xylene	11.95	106	270975	19.861	ug/l	100
70) Styrene	11.97	104	418047	19.229	ug/l	99
71) Bromoform	12.13	173	106356	17.752	ug/l #	98
73) Isopropylbenzene	12.25	105	713378	19.671	ug/l	100
74) N-amyl acetate	12.07	43	160268	19.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	156388	19.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	129380m	22.193	ug/l	
77) Bromobenzene	12.53	156	171793	19.373	ug/l	98
78) n-propylbenzene	12.59	91	770967	19.490	ug/l	99
79) 2-Chlorotoluene	12.67	91	460275	19.744	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	600907	19.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40032	17.297	ug/l	95
82) 4-Chlorotoluene	12.77	91	443301	18.929	ug/l	96
83) tert-Butylbenzene	12.99	119	564965	20.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	616965	20.153	ug/l	100
85) sec-Butylbenzene	13.17	105	715457	19.750	ug/l	100
86) p-Isopropyltoluene	13.29	119	635598	19.792	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	309284	20.016	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	299363	19.683	ug/l	99
89) n-Butylbenzene	13.62	91	483960	19.060	ug/l	99
90) Hexachloroethane	13.88	117	118136	18.438	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	306394	19.947	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26924	21.134	ug/l	96

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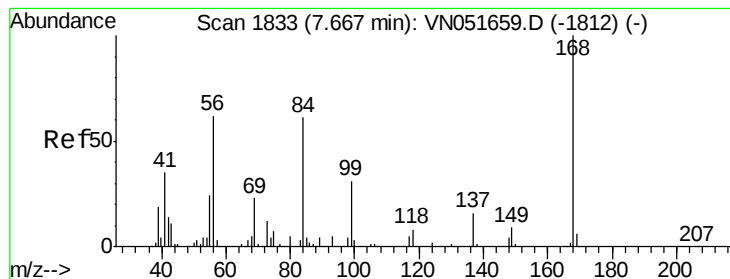
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93) 1,2,4-Trichlorobenzene	14.91	180	128807	18.845	ug/l	99
94) Hexachlorobutadiene	15.01	225	87890	18.952	ug/l	99
95) Naphthalene	15.13	128	287331	19.466	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	134652	20.003	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion:168 Resp: 572617

Ion Ratio Lower Upper

168 100

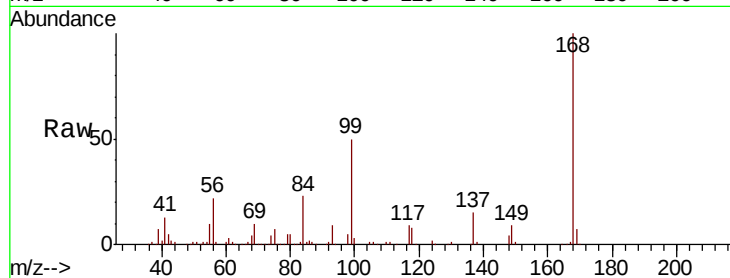
99 49.5 40.4 60.6

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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

250000

200000

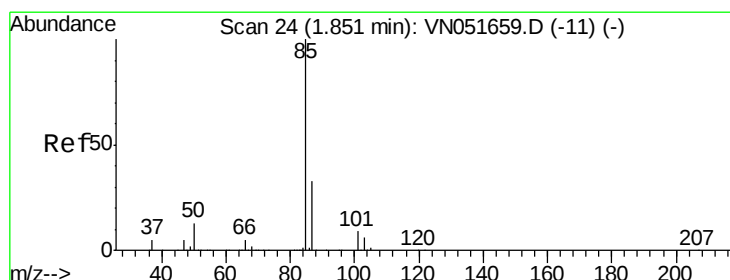
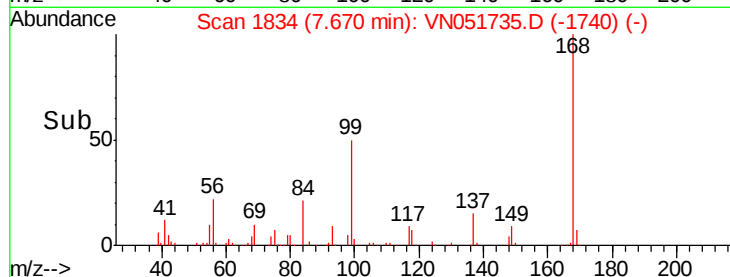
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.473 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051735.D

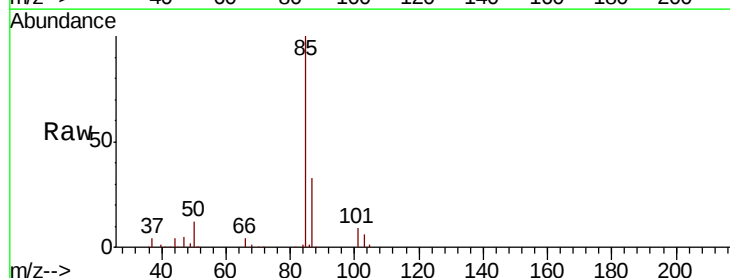
Acq: 8 Oct 2018 14:59

Tgt Ion: 85 Resp: 156297

Ion Ratio Lower Upper

85 100

87 33.2 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

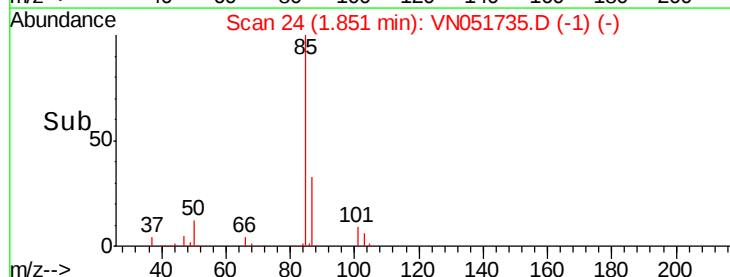
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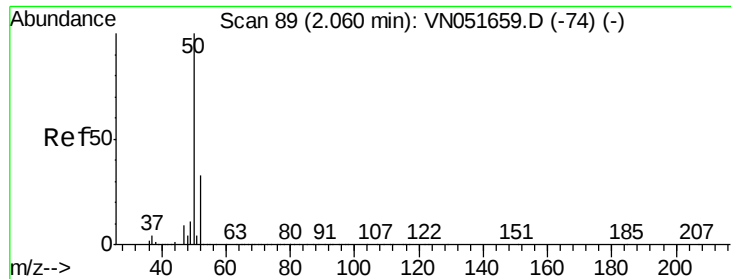
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.950 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 50 Resp: 136901

Ion Ratio Lower Upper

50 100

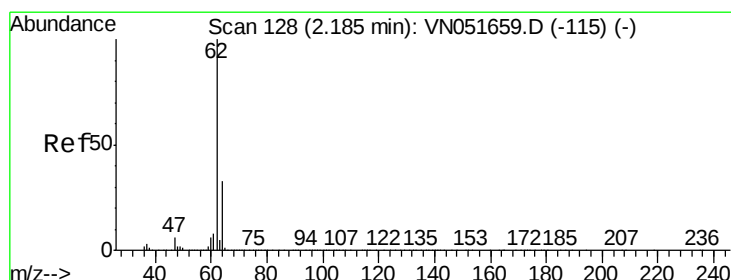
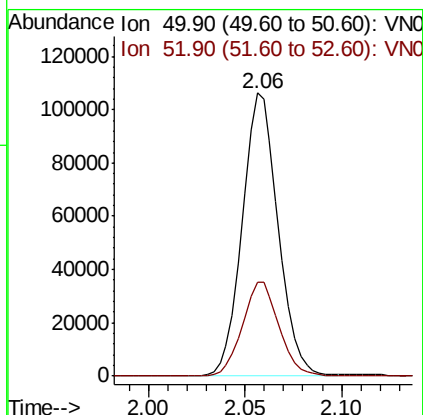
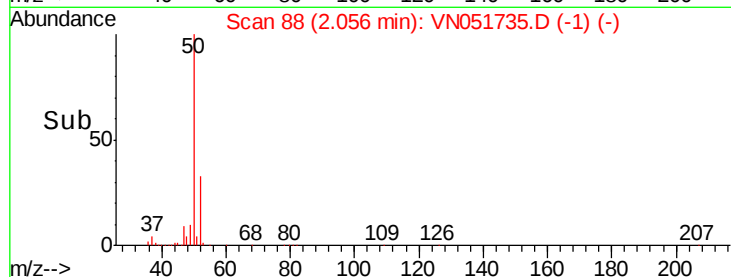
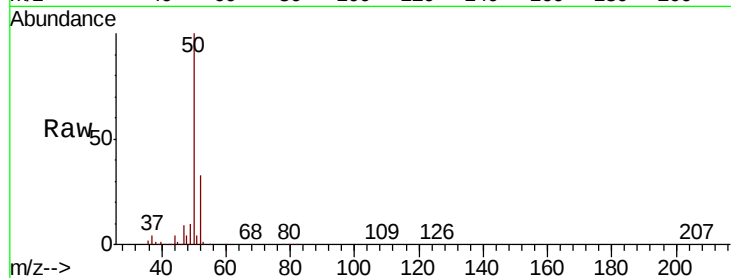
52 33.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.249 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051735.D

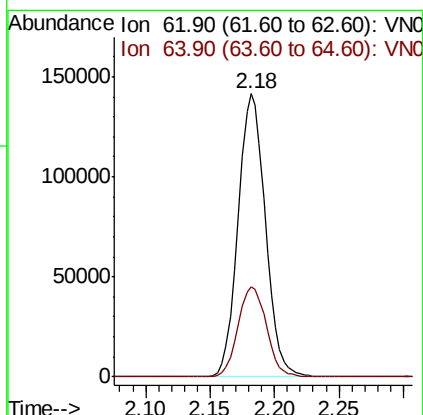
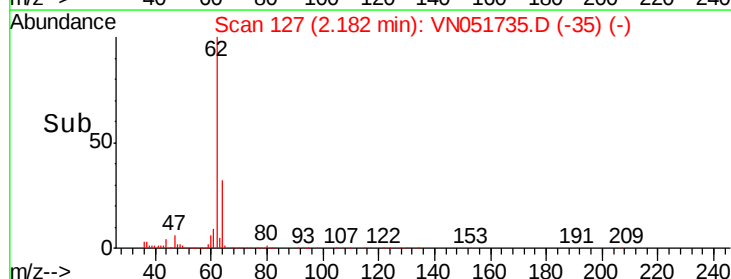
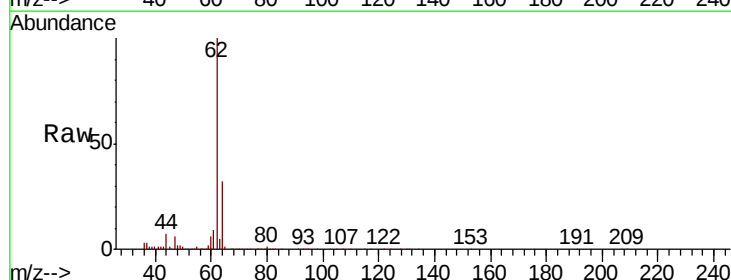
Acq: 8 Oct 2018 14:59

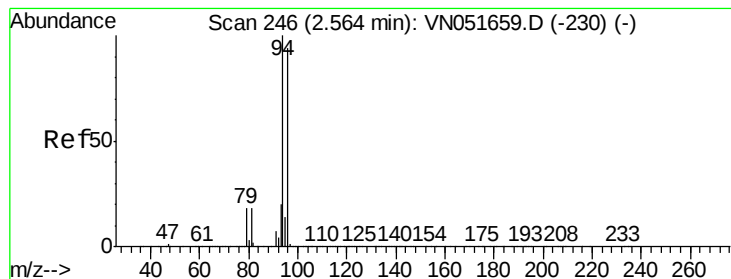
Tgt Ion: 62 Resp: 208442

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 21.369 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

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ClientSampleId :

VN1008MBSD01

Tot Ion: 94 Resp: 169160

Ion Ratio Lower Upper

94 100

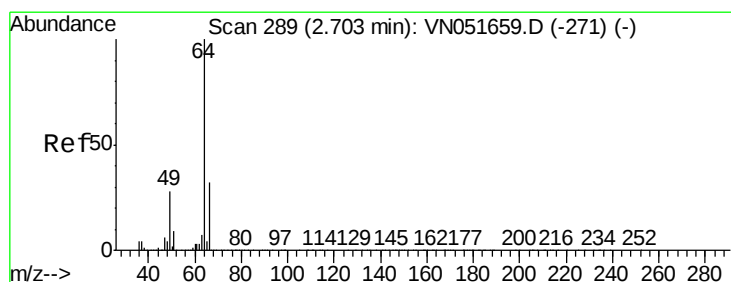
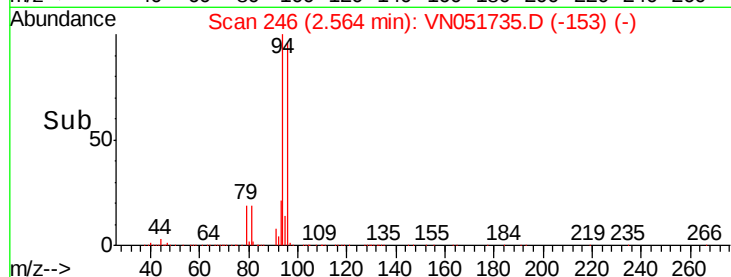
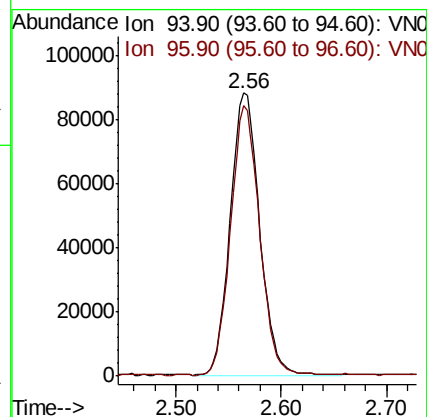
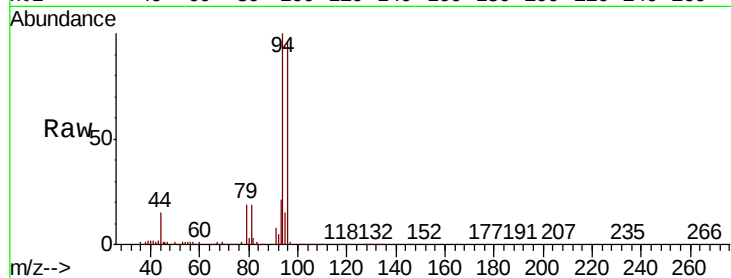
96 95.7 75.2 112.8

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#6

Chloroethane

Concen: 19.971 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051735.D

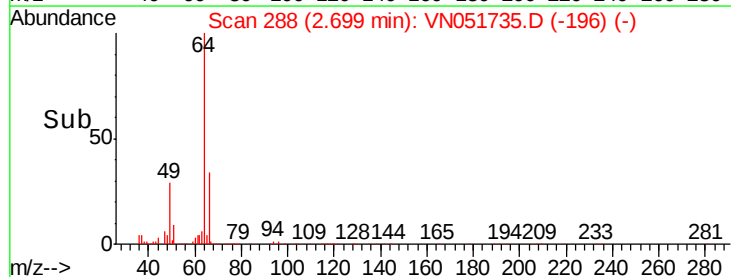
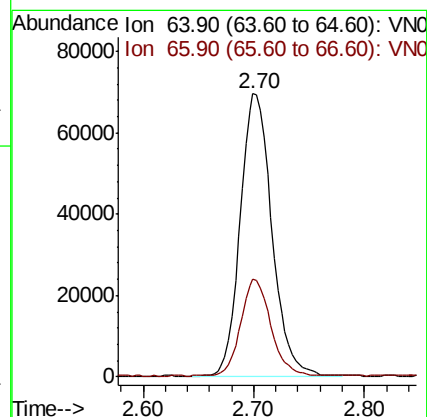
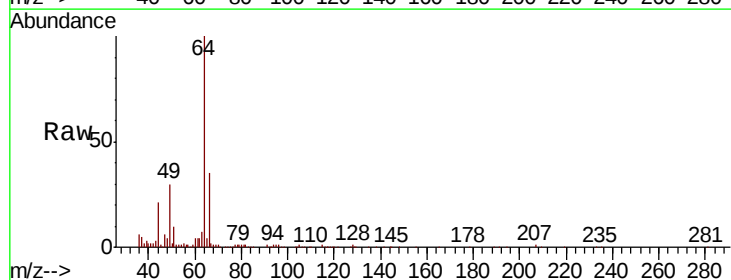
Acq: 8 Oct 2018 14:59

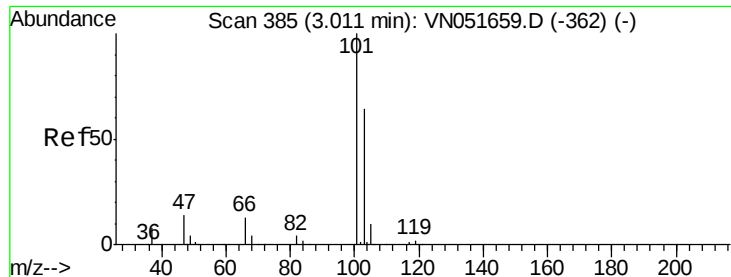
Tgt Ion: 64 Resp: 138167

Ion Ratio Lower Upper

64 100

66 34.2 26.0 39.0





#7

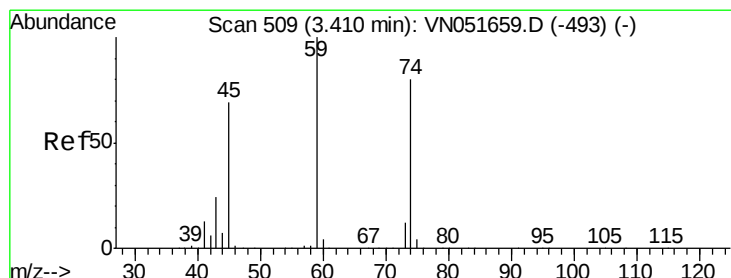
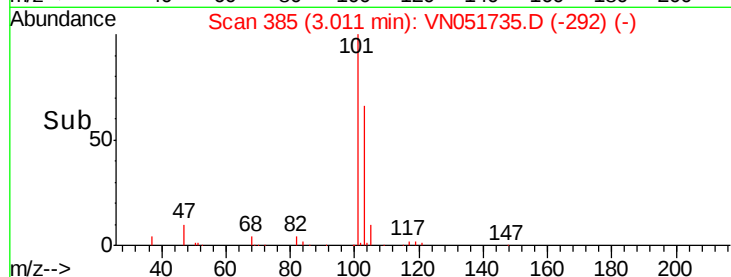
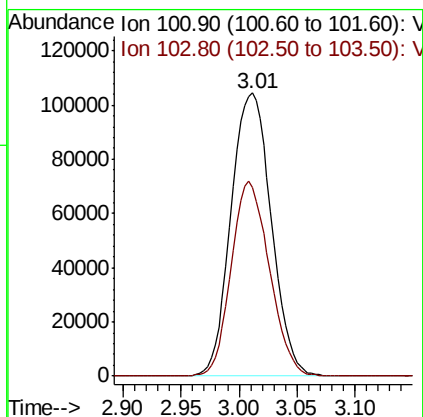
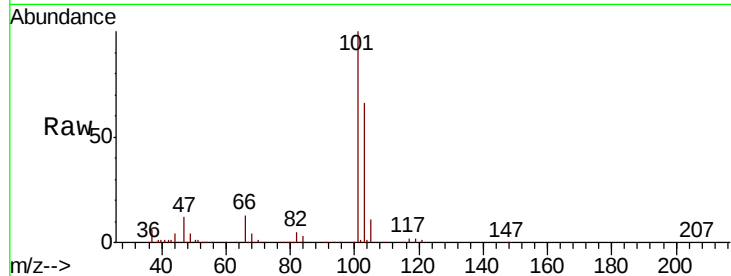
Trichlorofluoromethane
Concen: 22.729 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

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ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.1	76.7

Manual Integrations
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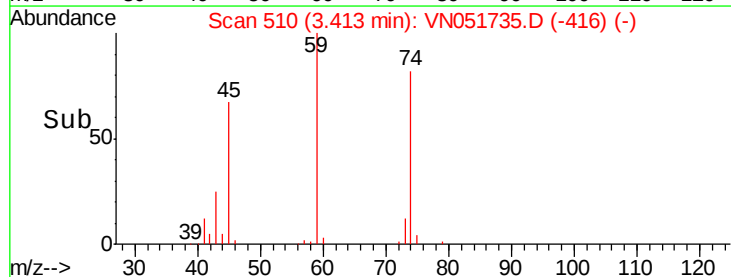
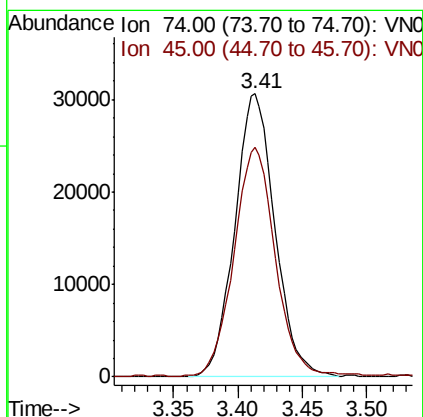
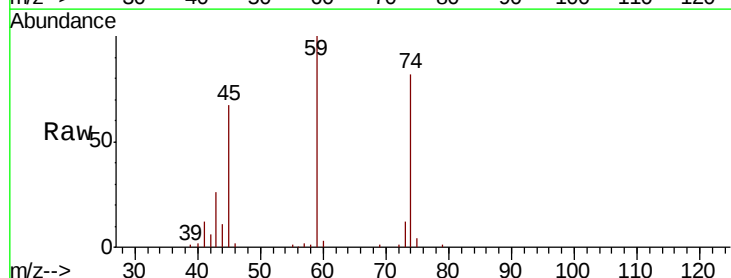
MMDadoda
10/10/2018 11:48:39 AM

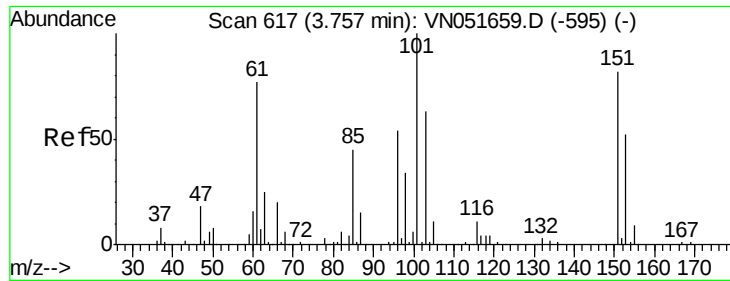


#8

Diethyl Ether
Concen: 22.110 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.4	44.3	132.9





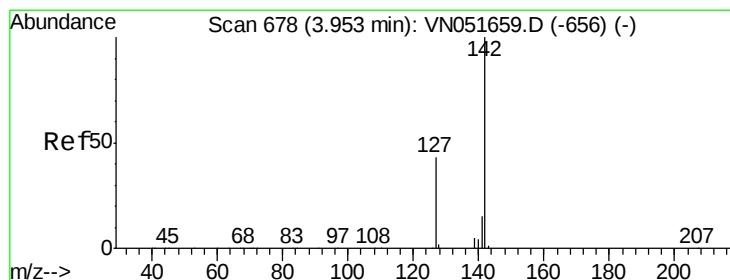
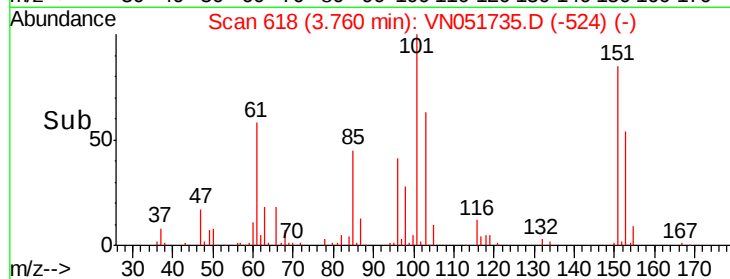
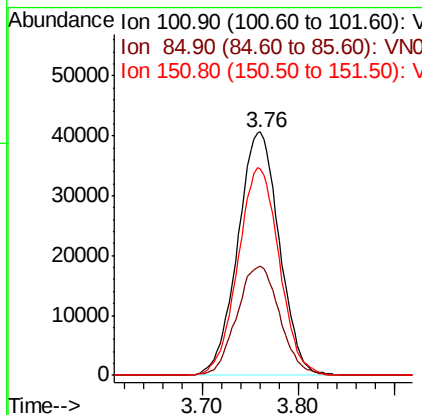
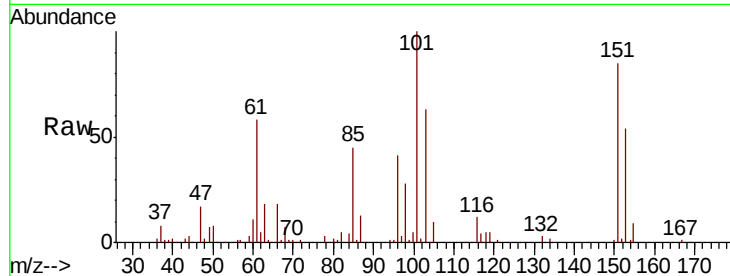
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.150 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
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 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.2	35.6	53.4
151	84.9	65.5	98.3

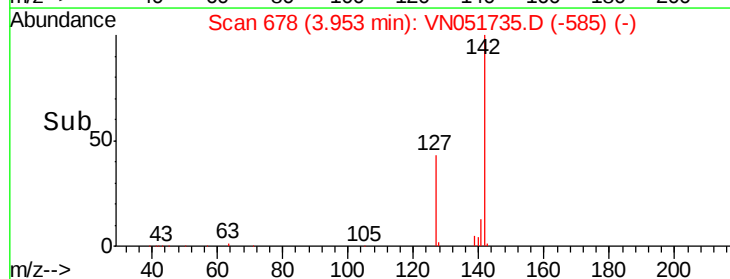
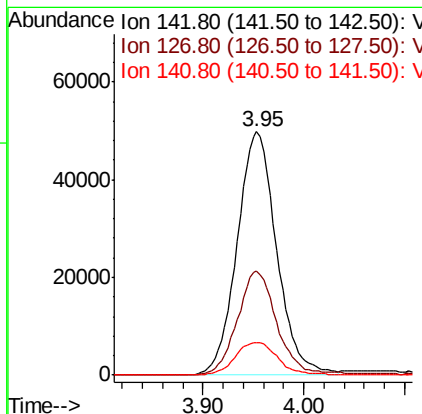
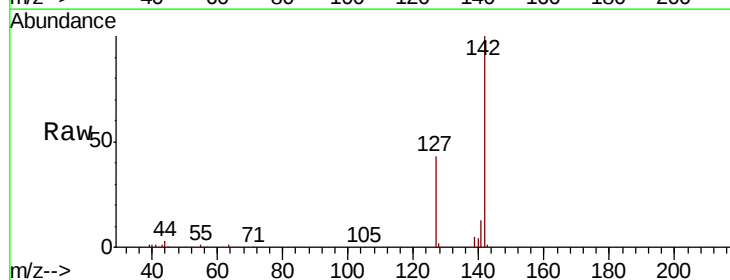
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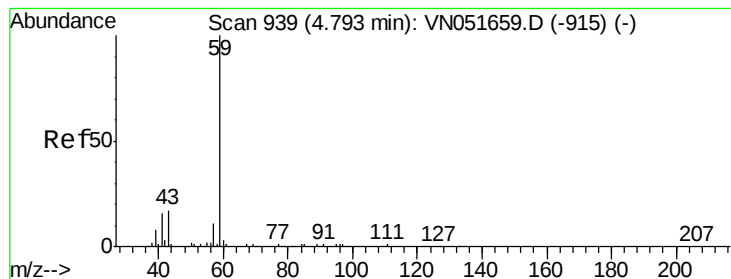
MMDadoda
 10/10/2018 11:48:39 AM



#10
 Methyl Iodide
 Concen: 19.401 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.7	52.1
141	14.5	11.4	17.2





#11

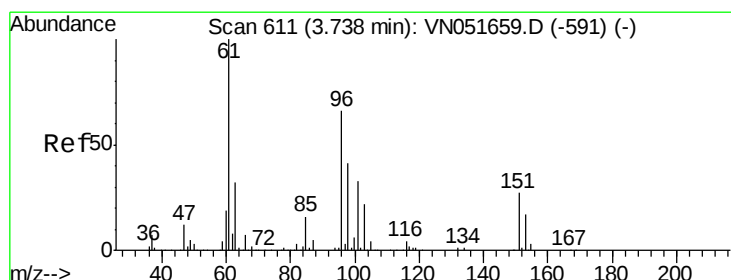
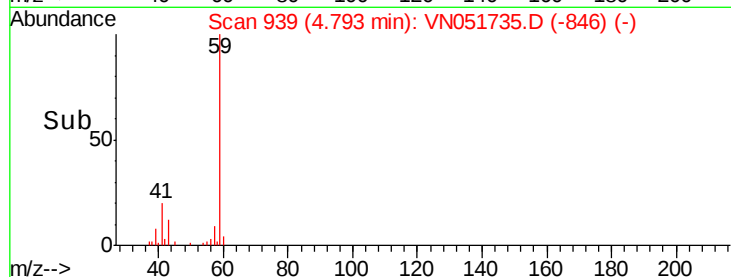
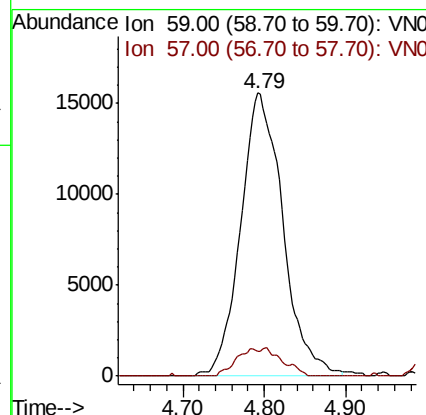
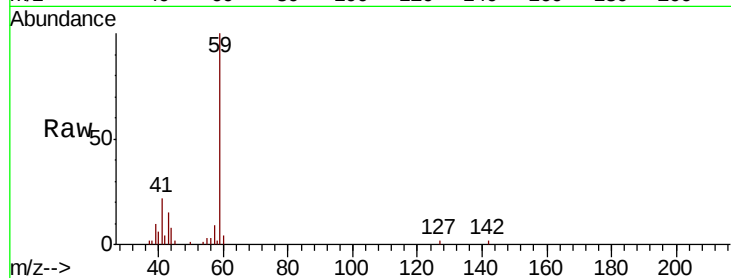
Tert butyl alcohol
 Concen: 108.658 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.1	12.1#

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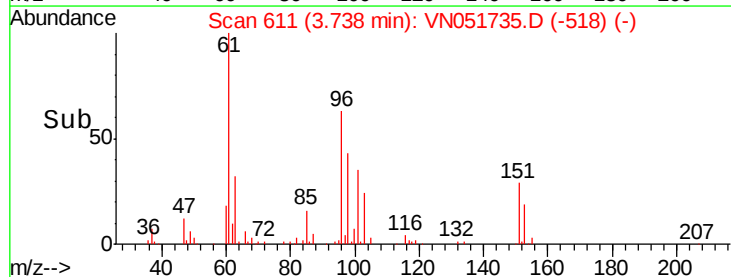
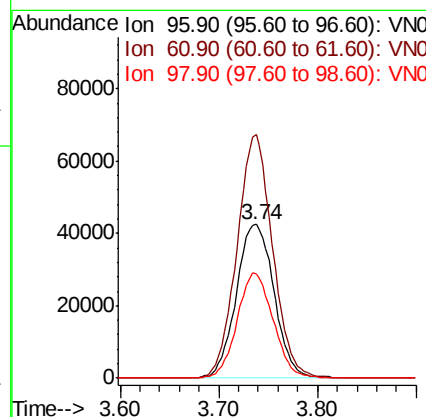
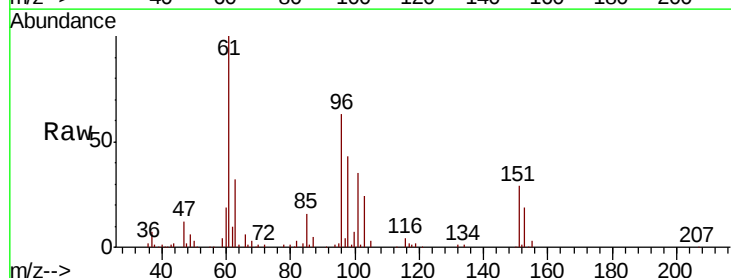
MMDadoda
 10/10/2018 11:48:39 AM



#12

1,1-Dichloroethene
 Concen: 21.204 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	121.4	182.0
98	67.4	49.9	74.9





#13

Acrolein

Concen: 89.629 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 56 Resp: 28787

Ion Ratio Lower Upper

56 100

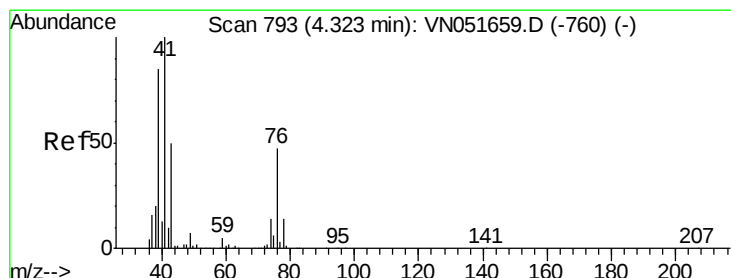
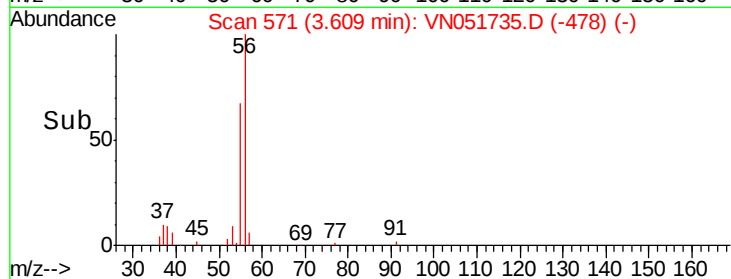
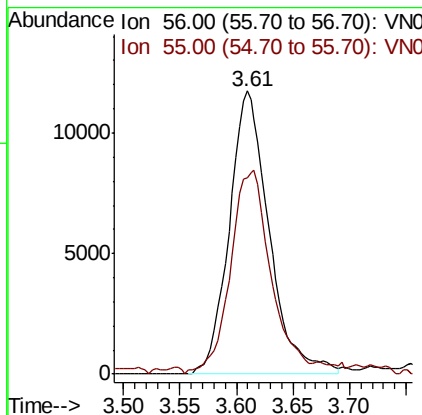
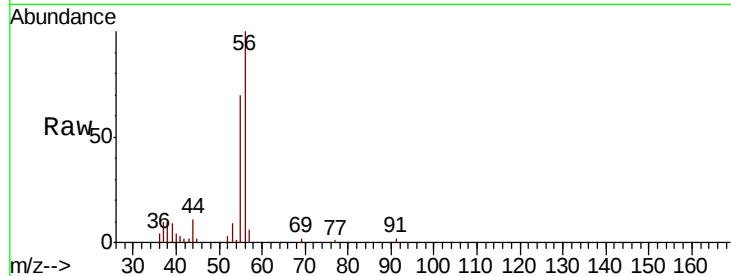
55 73.1 57.5 86.3

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#14

Allyl chloride

Concen: 18.973 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

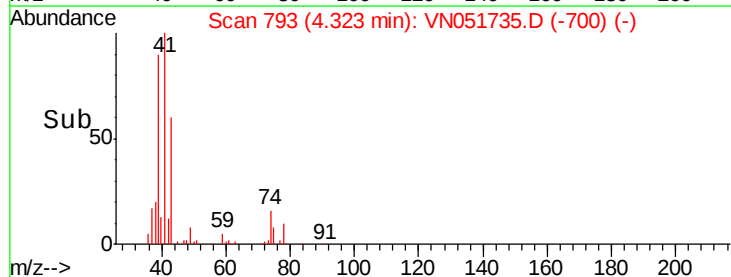
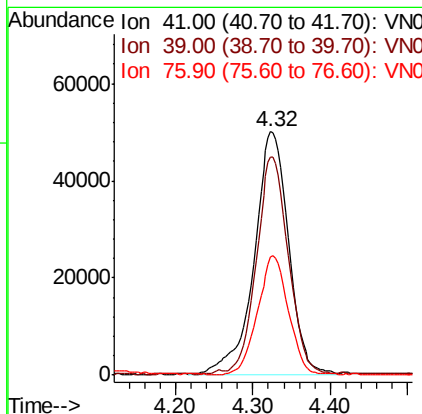
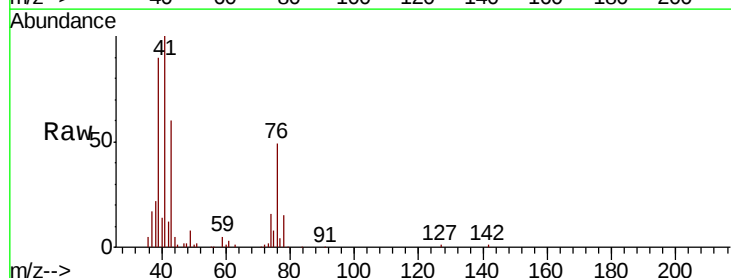
Tgt Ion: 41 Resp: 154316

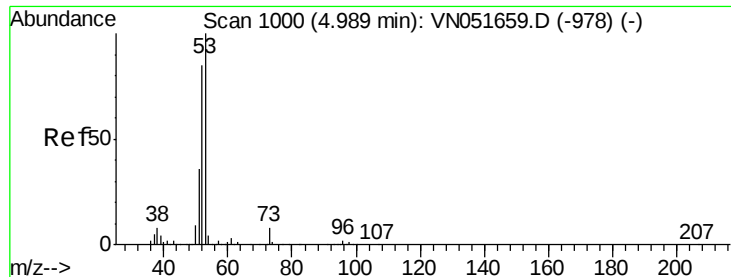
Ion Ratio Lower Upper

41 100

39 81.9 65.4 98.0

76 44.2 34.3 51.5





#15

Acrylonitrile

Concen: 104.041 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

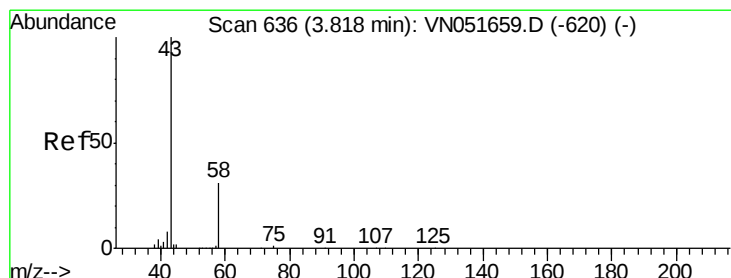
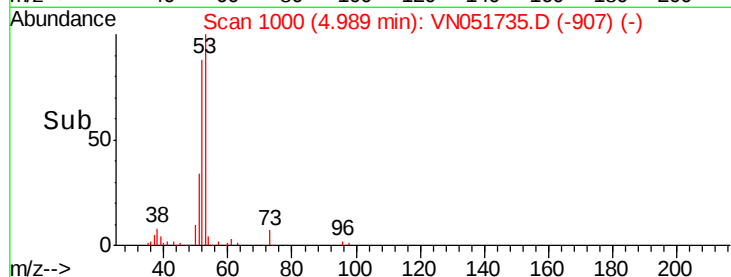
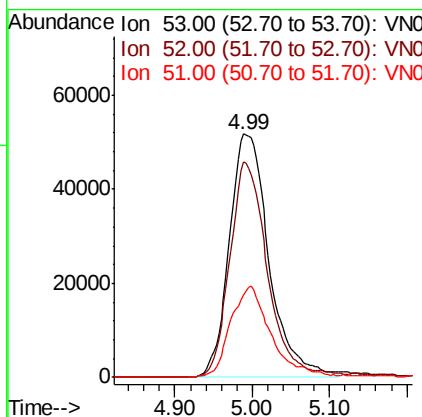
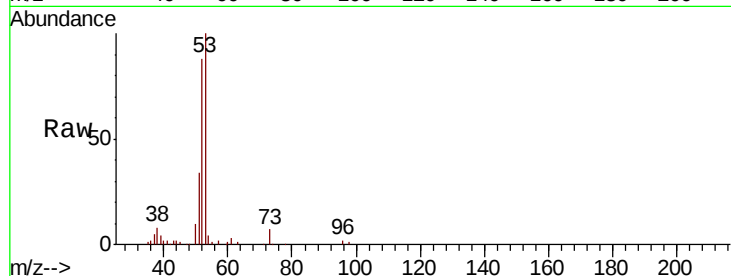
ClientSampleId :

VN1008MBSD01

Tot Ion:	53	Resp:	184573
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.2	99.2
51	37.9	30.3	45.5

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#16

Acetone

Concen: 92.946 ug/l

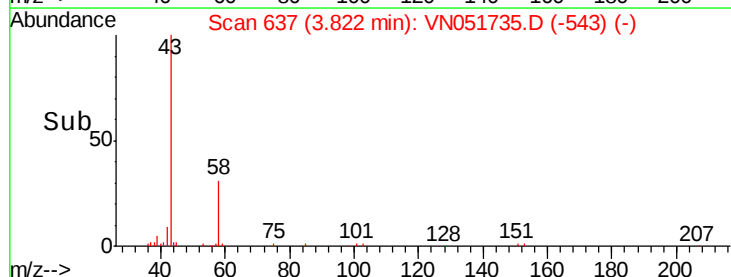
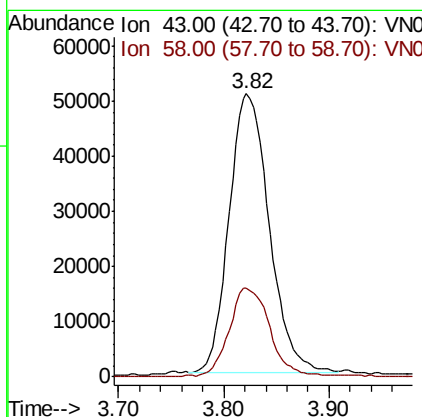
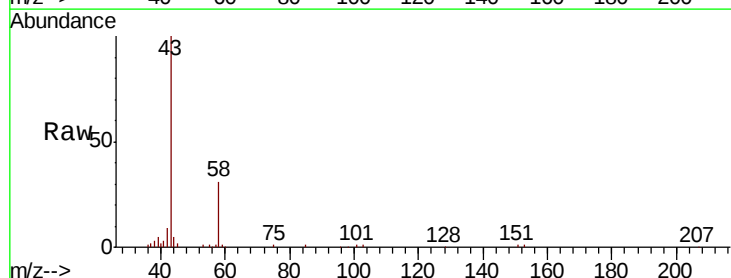
RT: 3.82 min Scan# 637

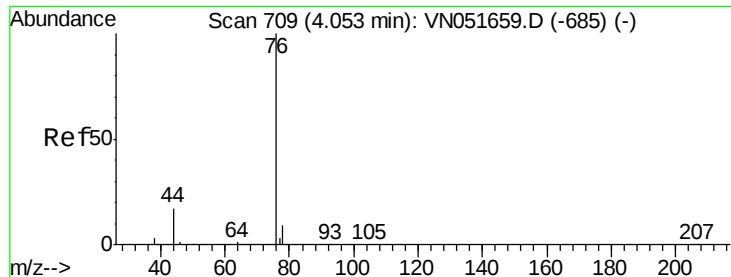
Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion:	43	Resp:	132767
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.3	36.5





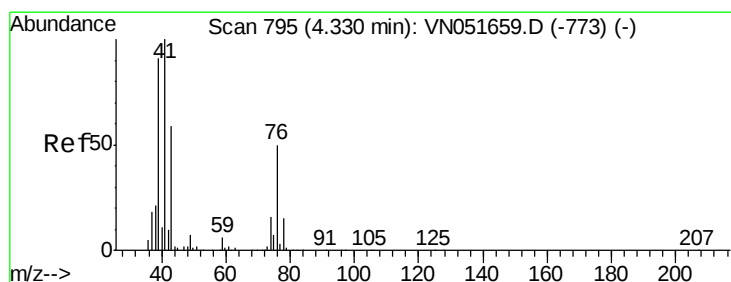
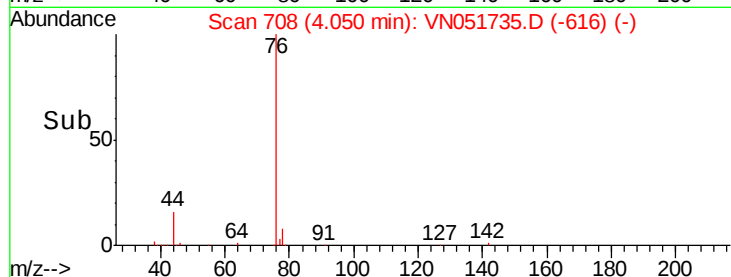
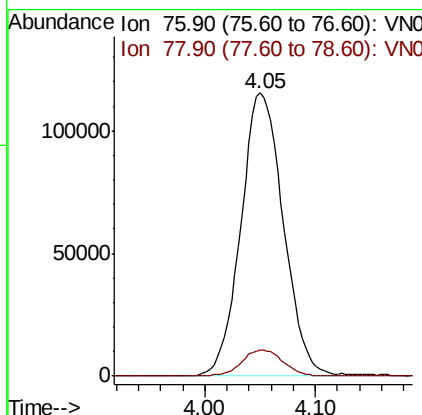
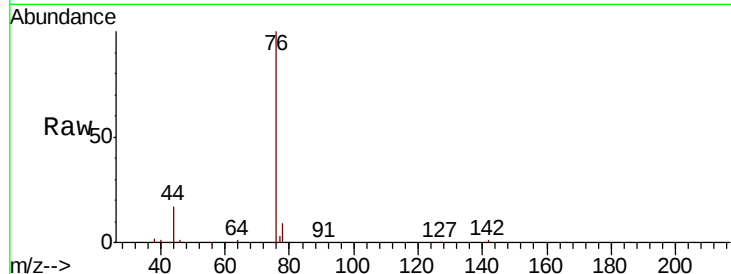
#17
Carbon Disulfide
Concen: 18.998 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 76 Resp: 307945
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

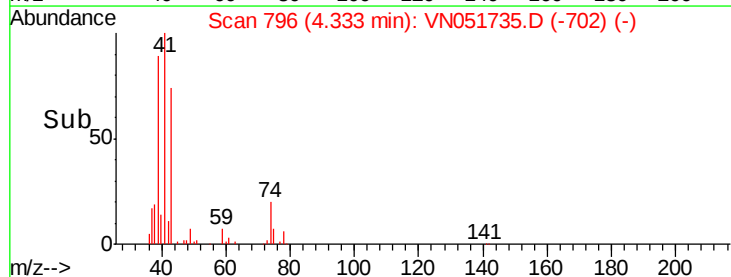
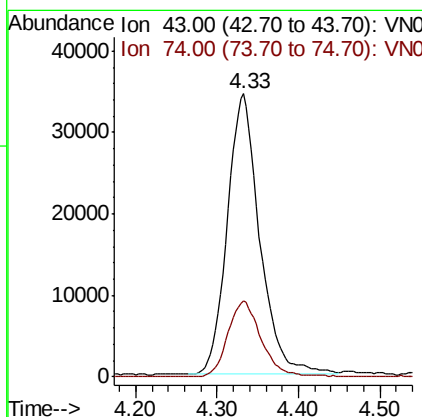
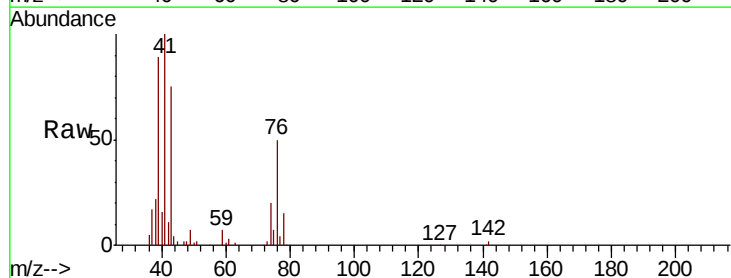
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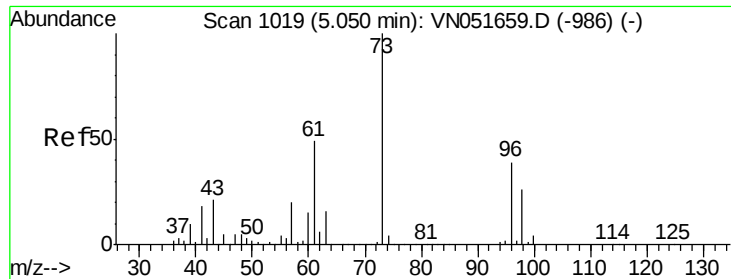
MMDadoda
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#18
Methyl Acetate
Concen: 23.010 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 43 Resp: 96072
Ion Ratio Lower Upper
43 100
74 27.4 21.5 32.3





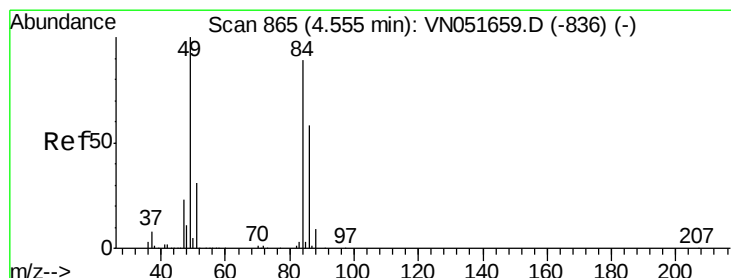
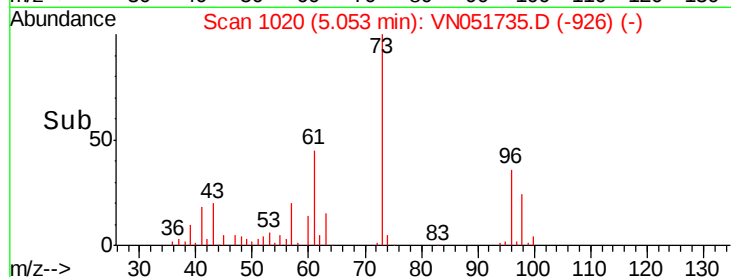
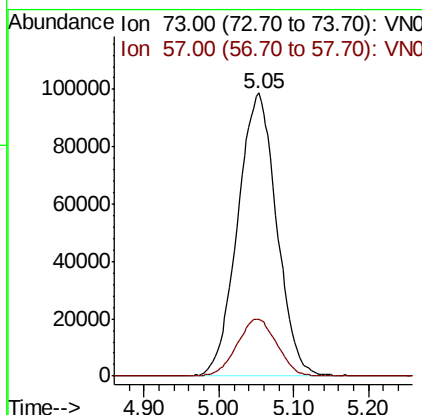
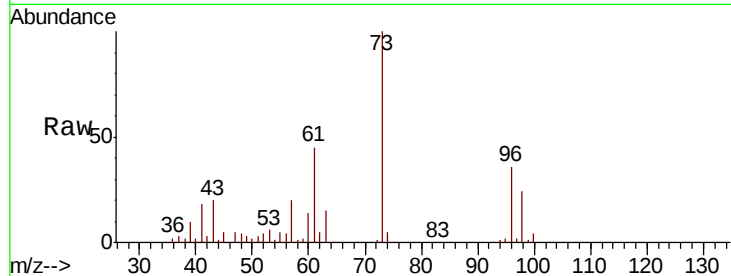
#19
Methvl tert-butvl Ether
Concen: 20.331 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 73 Resp: 357869
Ion Ratio Lower Upper
73 100
57 20.2 15.6 23.4

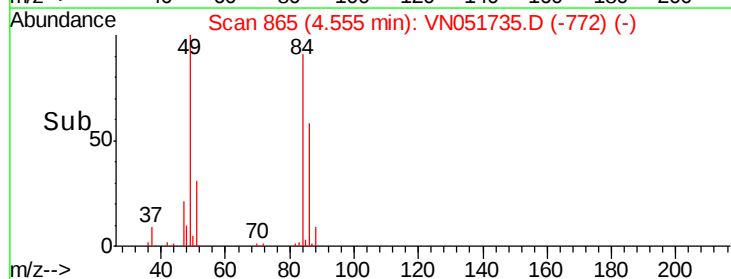
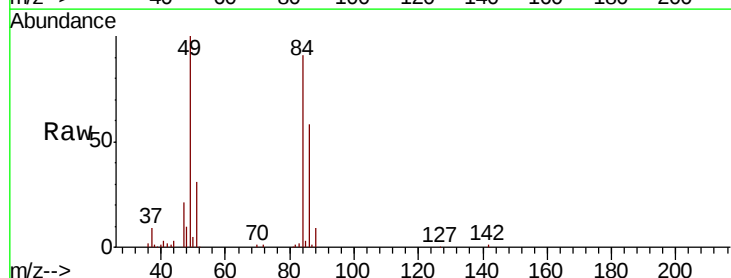
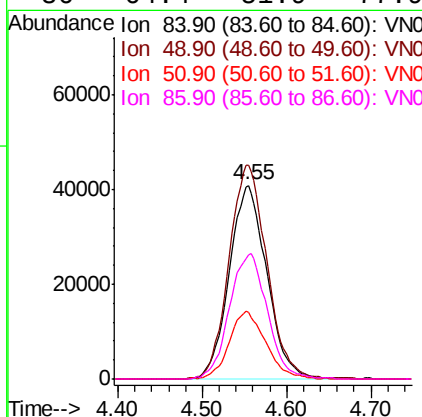
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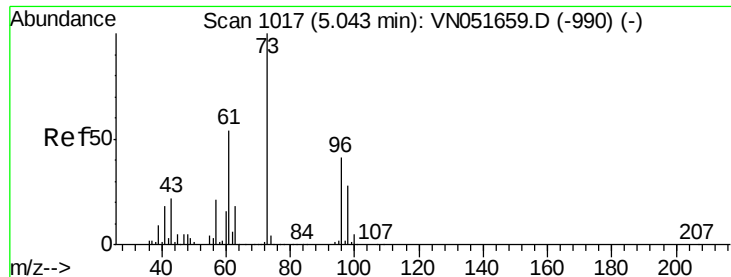
MMDadoda
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#20
Methylene Chloride
Concen: 20.373 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 84 Resp: 126796
Ion Ratio Lower Upper
84 100
49 110.0 89.5 134.3
51 34.1 27.4 41.0
86 64.4 51.9 77.9





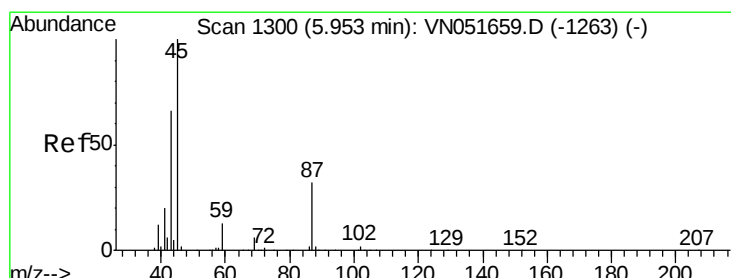
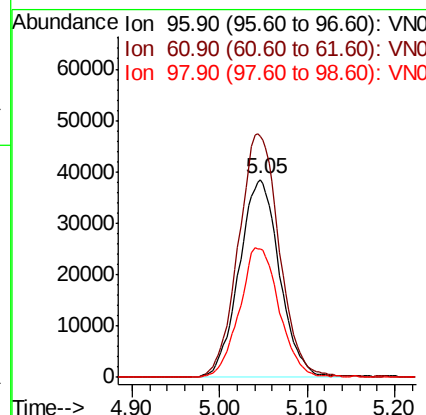
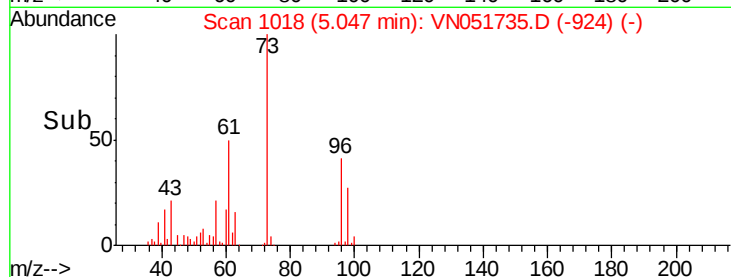
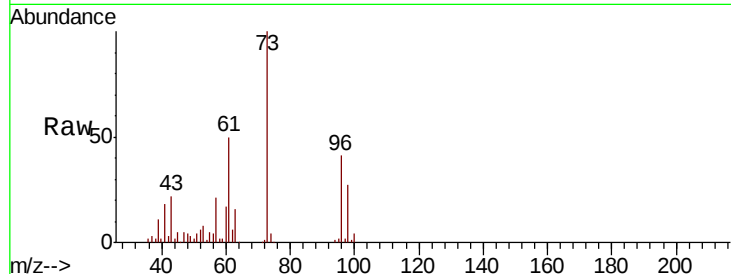
#21
trans-1,2-Dichloroethene
Concen: 19.524 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.9	104.7	157.1
98	64.6	54.6	82.0

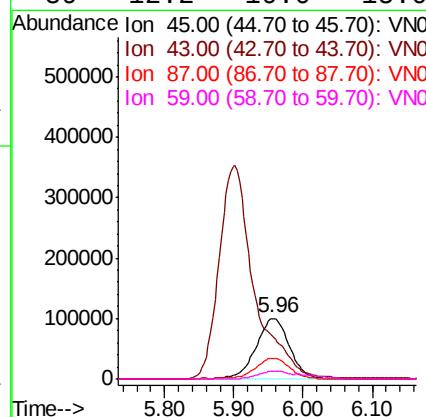
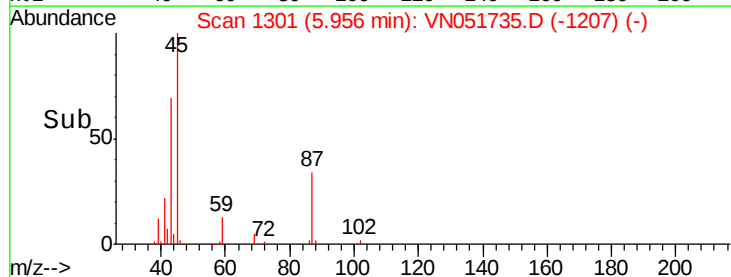
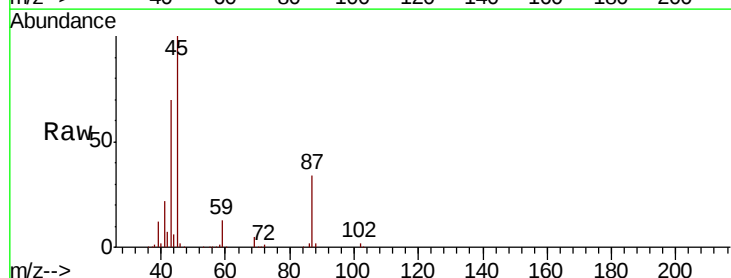
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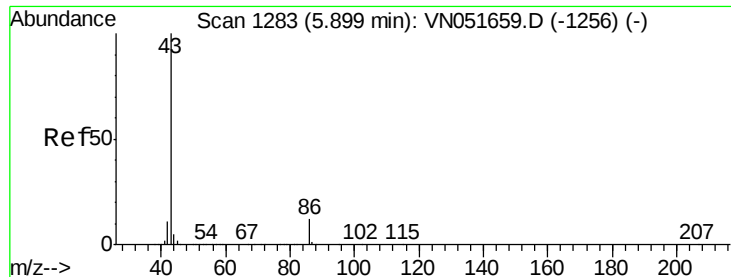
MMDadoda
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#22
Diisopropyl ether
Concen: 19.309 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	53.0	79.4
87	33.4	26.4	39.6
59	12.2	10.0	15.0





#23

Vinyl Acetate

Concen: 97.457 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 43 Resp: 1249332

Ion Ratio Lower Upper

43 100

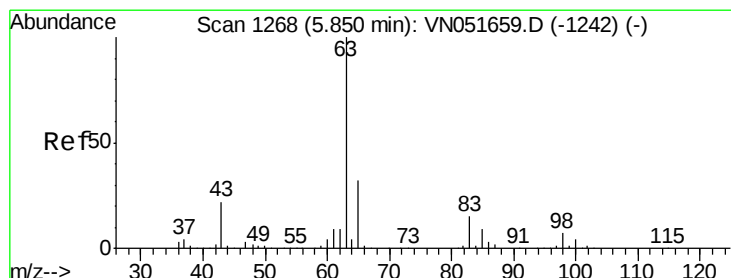
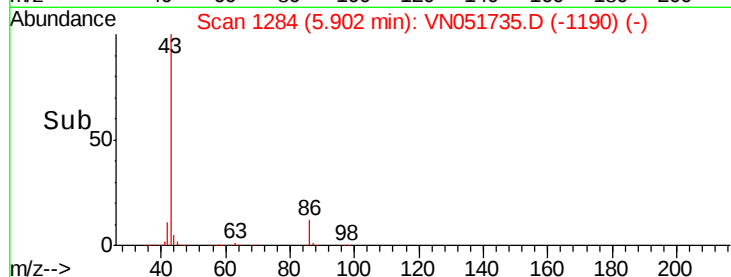
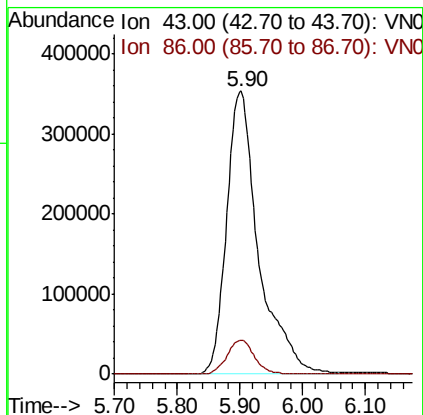
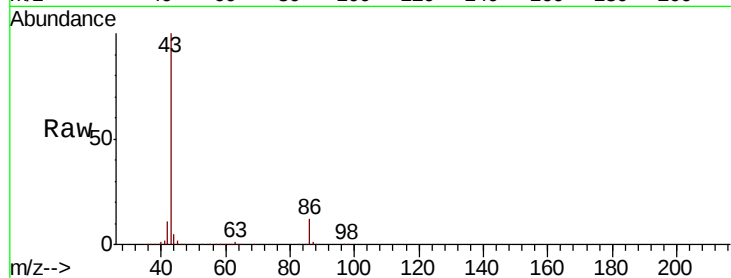
86 12.1 9.3 13.9

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#24

1,1-Dichloroethane

Concen: 19.229 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

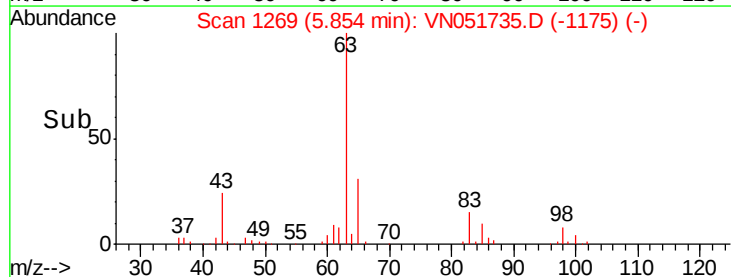
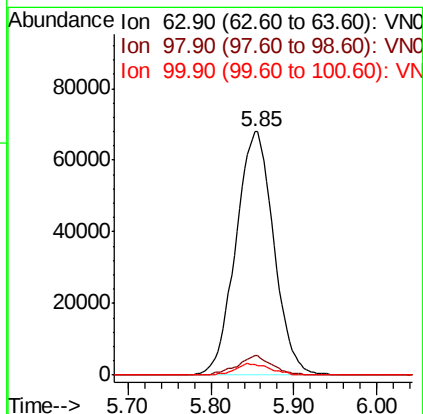
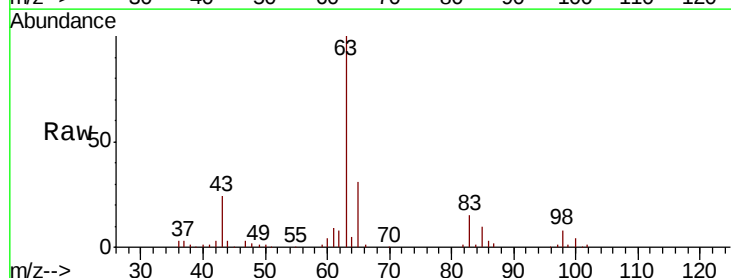
Tgt Ion: 63 Resp: 215613

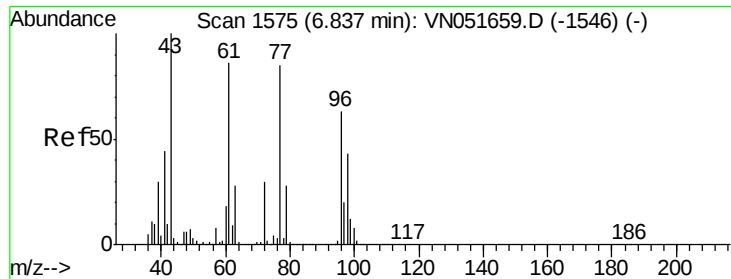
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 98.258 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 43 Resp: 214630

Ion Ratio Lower Upper

43 100

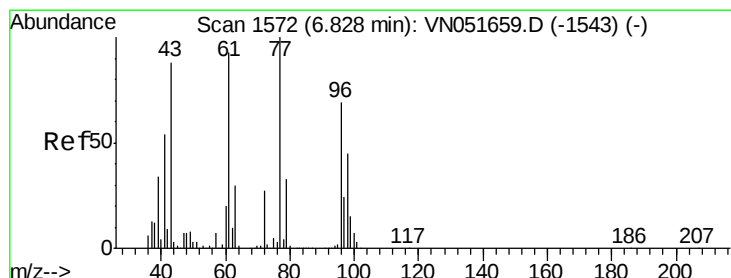
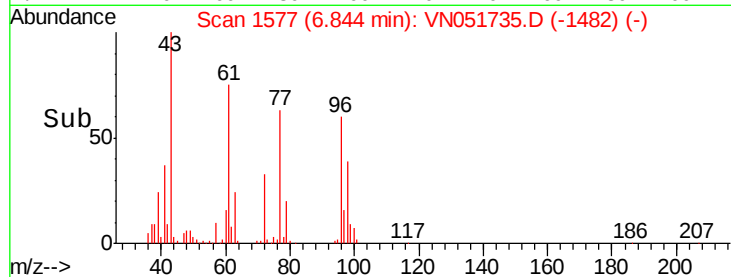
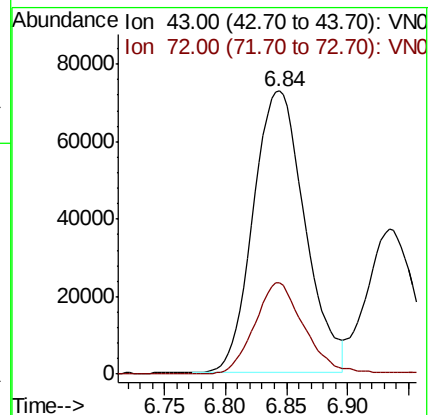
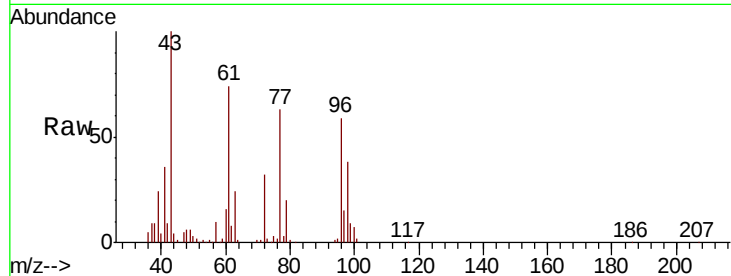
72 32.5 24.2 36.2

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#26

2,2-Dichloropropane

Concen: 17.135 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051735.D

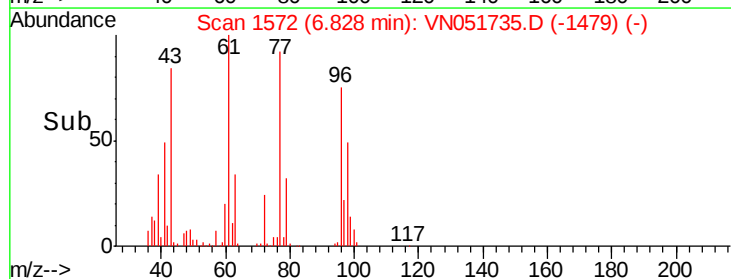
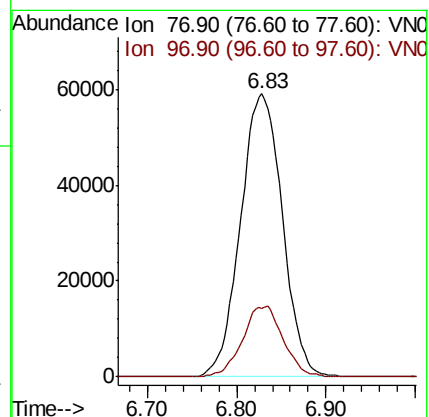
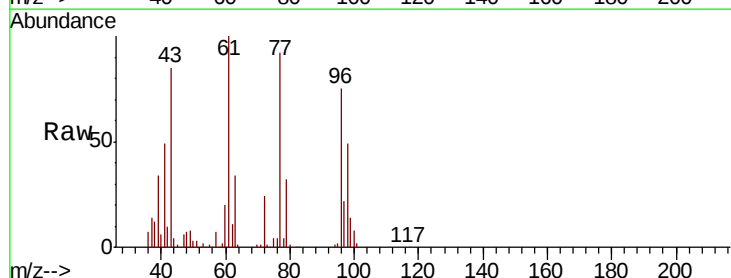
Acq: 8 Oct 2018 14:59

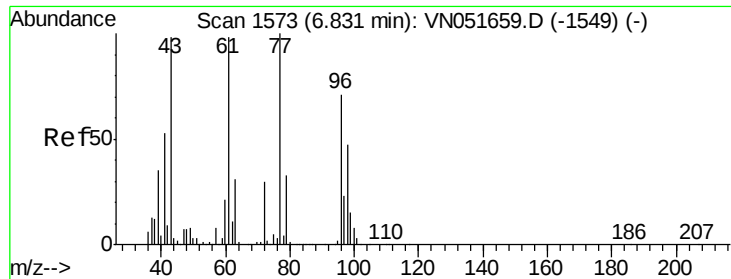
Tgt Ion: 77 Resp: 192536

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.967 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

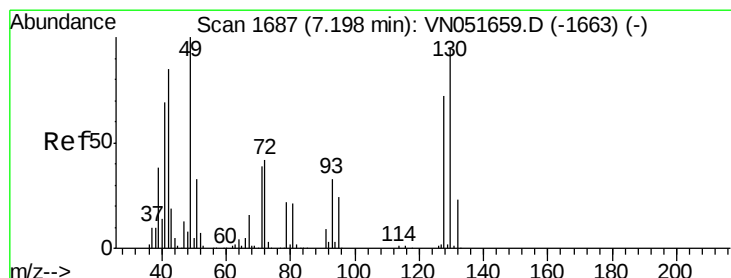
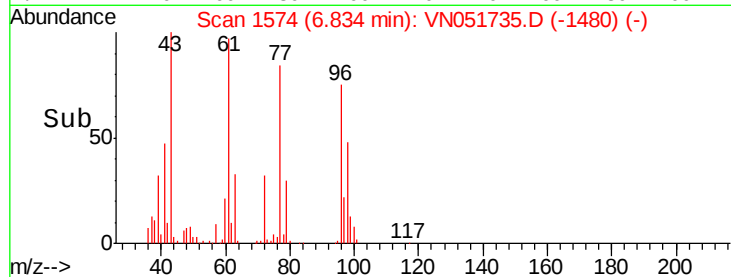
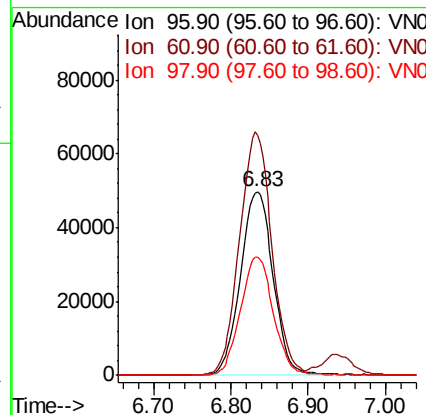
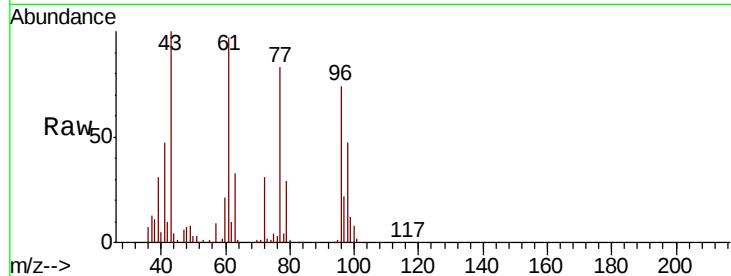
ClientSampleId :

VN1008MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146471		
61	130.6	0.0	275.4	
98	64.5	0.0	129.6	

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#28

Bromochloromethane

Concen: 17.998 ug/l

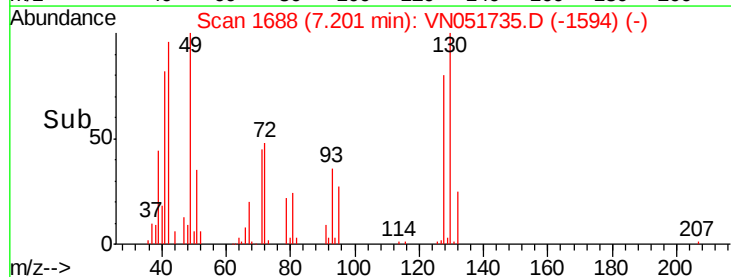
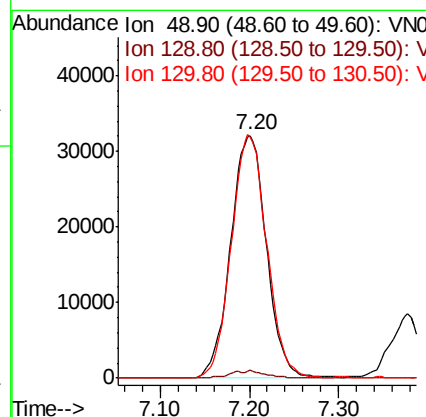
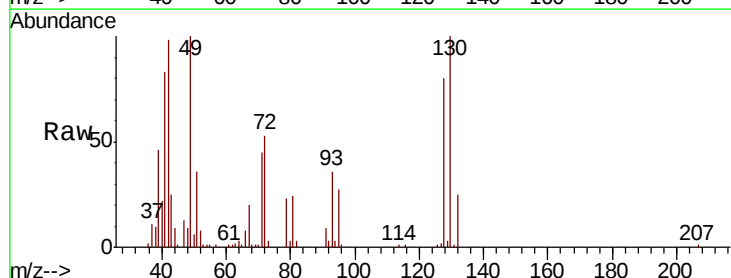
RT: 7.20 min Scan# 1688

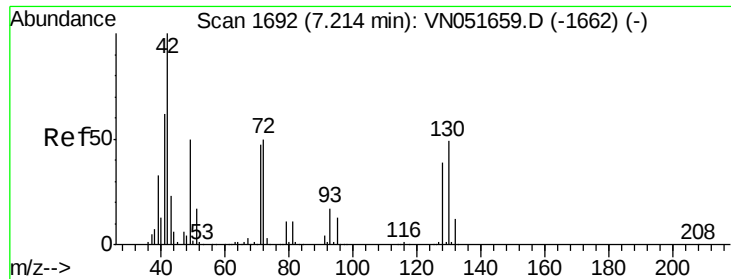
Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89341		
129	1.6	0.0	4.8	
130	98.9	75.7	113.5	





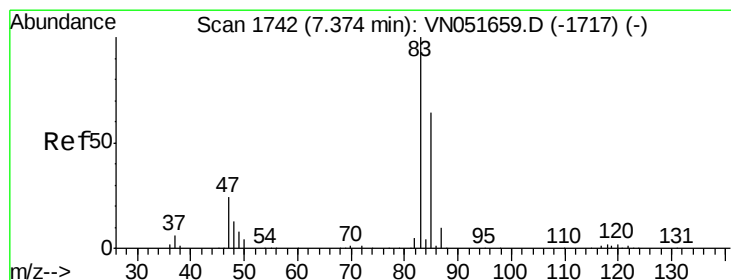
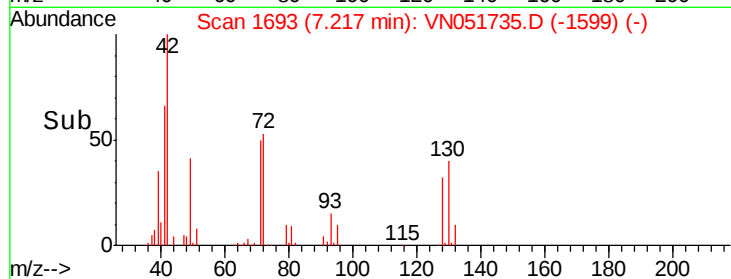
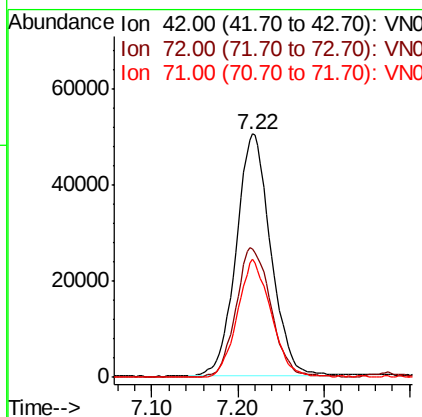
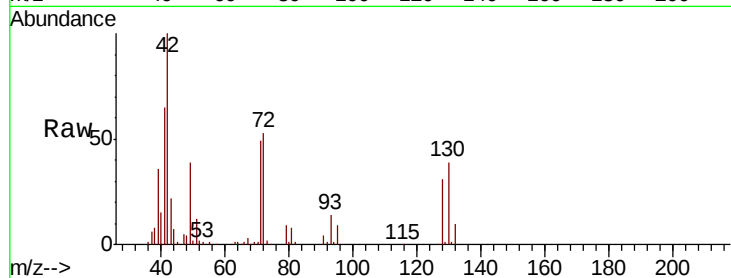
#29
Tetrahydrofuran
Concen: 104.401 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	40.1	60.1
71	47.5	38.0	57.0

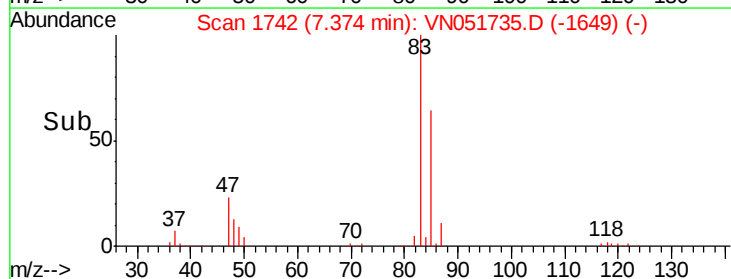
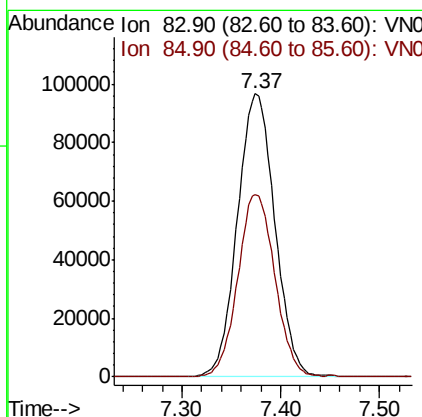
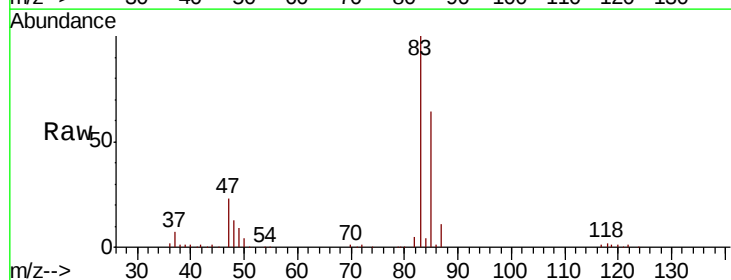
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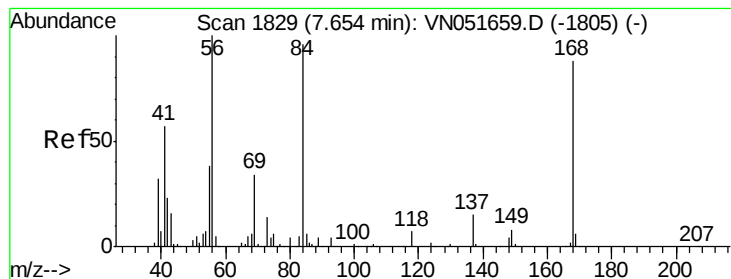
MMDadoda
10/10/2018 11:48:39 AM



#30
Chloroform
Concen: 20.185 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





#31

Cvclohexane

Concen: 18.709 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

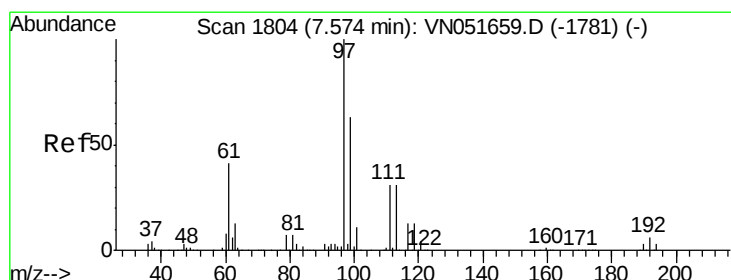
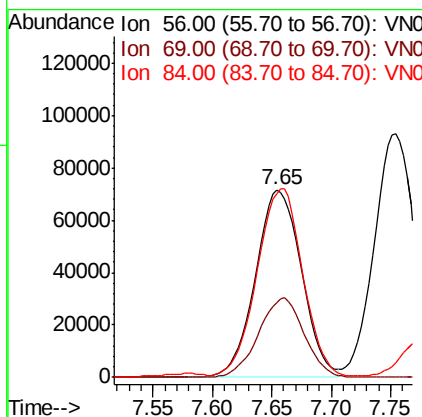
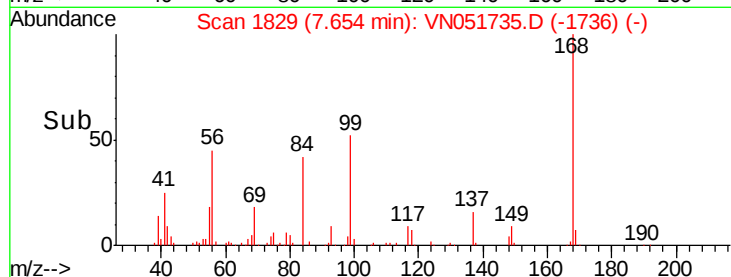
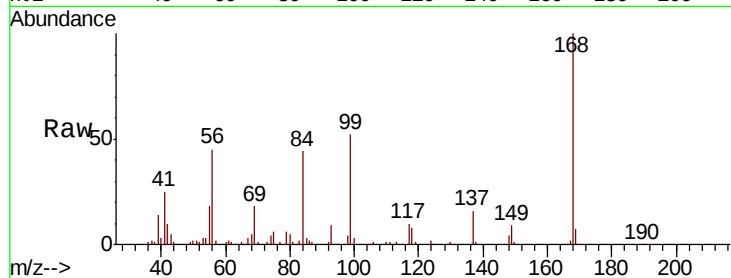
ClientSampleId :

VN1008MBSD01

Tot Ion:	56	Resp:	192115
Ion Ratio	Lower	Upper	
56	100		
69	39.7	27.5	41.3
84	95.9	76.7	115.1

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#32

1,1,1-Trichloroethane

Concen: 19.297 ug/l

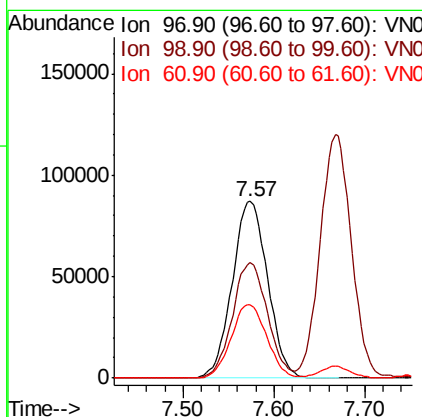
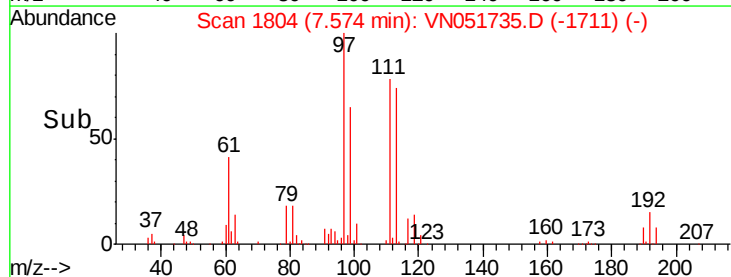
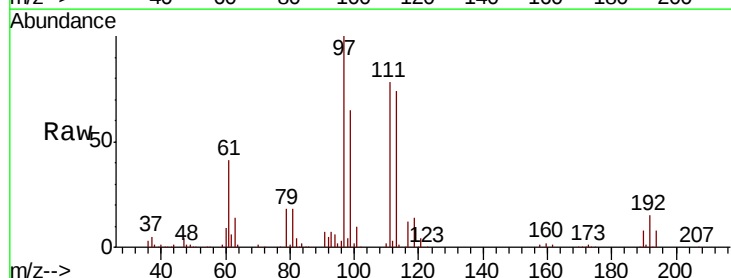
RT: 7.57 min Scan# 1804

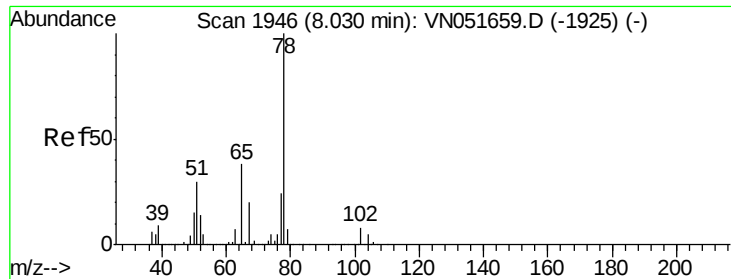
Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion:	97	Resp:	235634
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.9	77.9
61	41.9	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 19.297 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 65 Resp: 380652

Ion Ratio Lower Upper

65 100

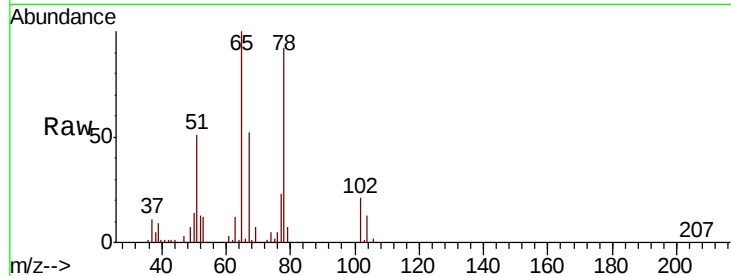
67 52.0 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN051735.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051735.D (-1853) (-)

8.03

150000

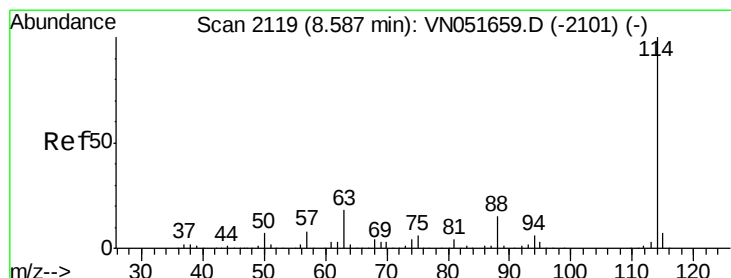
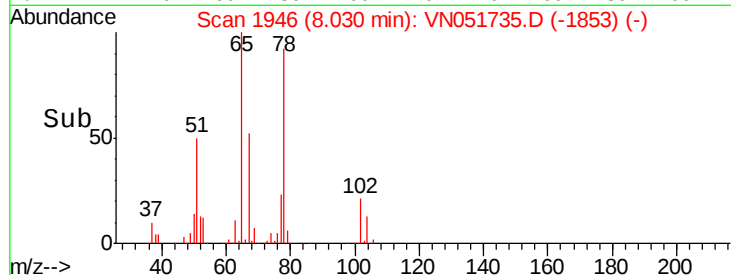
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

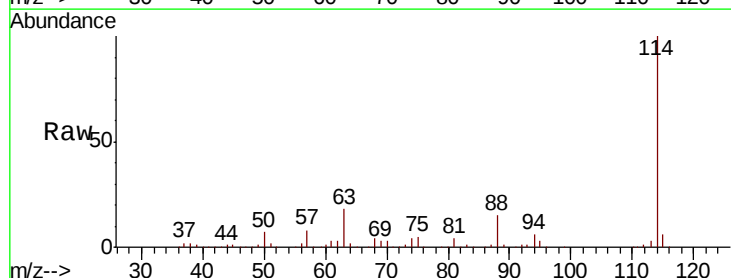
Tgt Ion: 114 Resp: 872184

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051735.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN051735.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN051735.D (-2026) (-)

8.59

500000

400000

300000

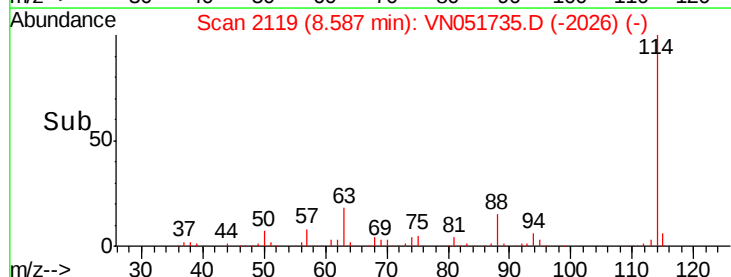
200000

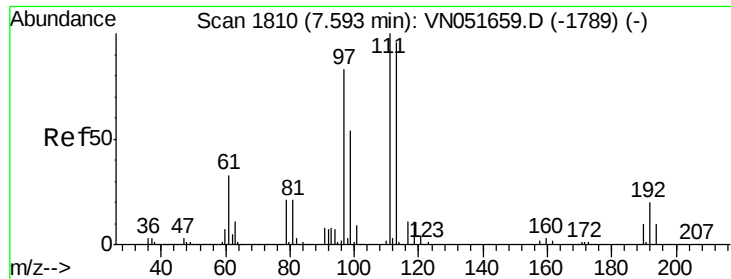
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





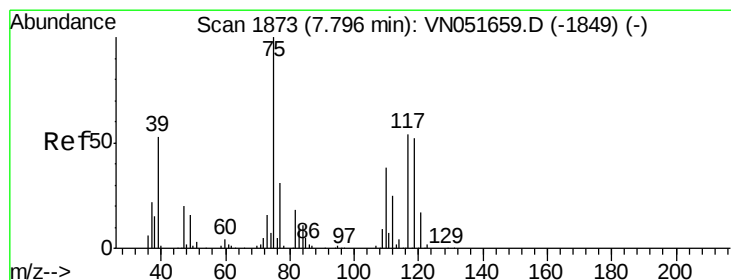
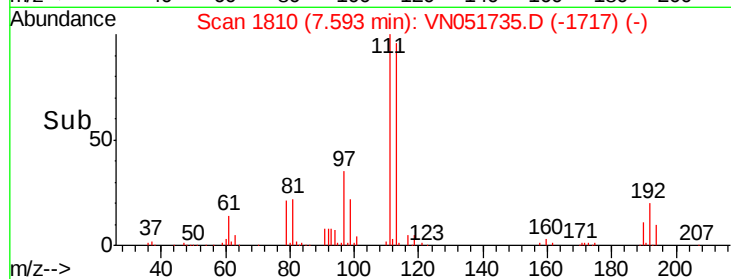
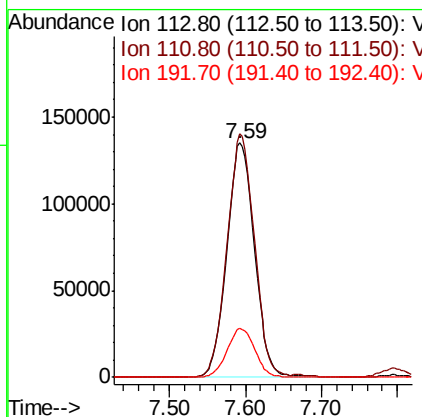
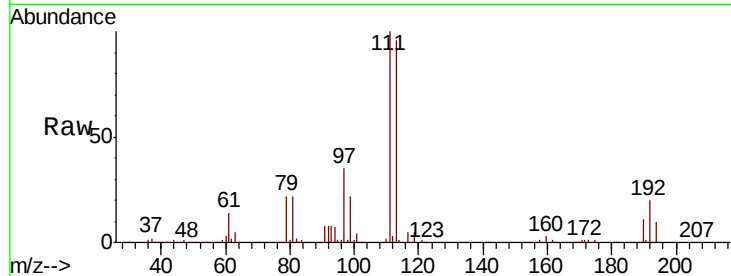
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342477		
111	102.2	81.8	122.8	
192	21.0	16.5	24.7	

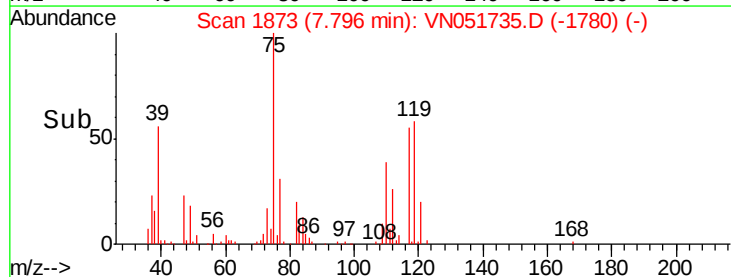
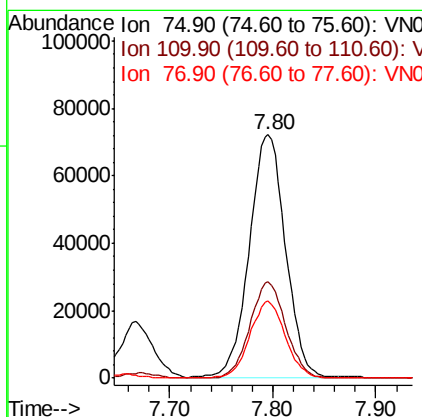
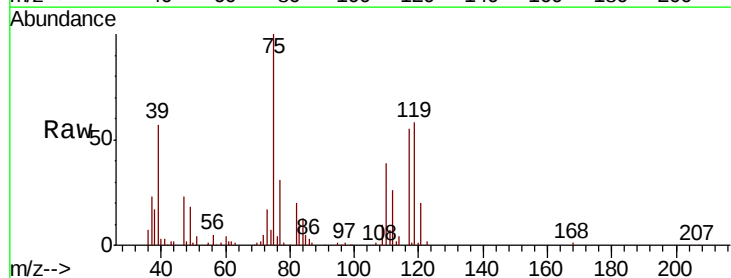
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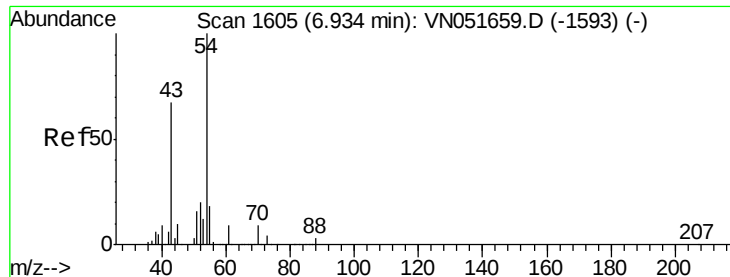
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#36
 1,1-Dichloropropene
 Concen: 19.149 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174572		
110	39.3	19.3	57.8	
77	31.2	24.7	37.1	





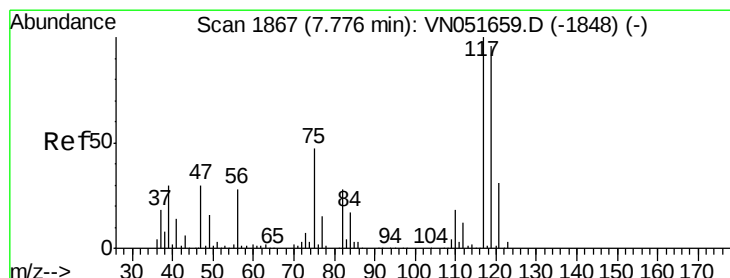
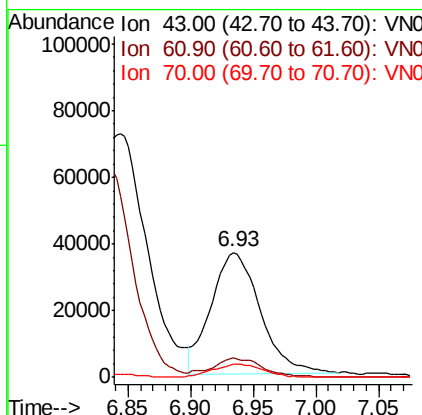
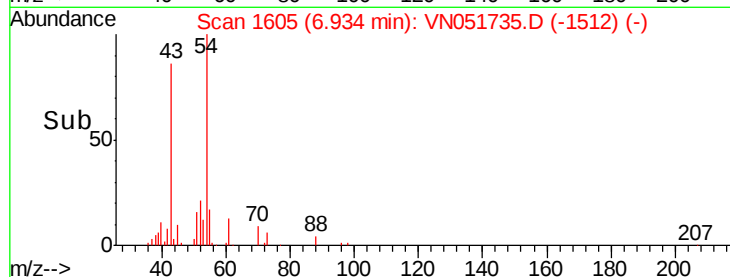
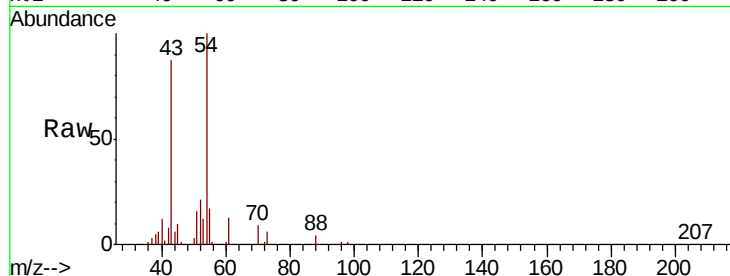
#37
Ethyl Acetate
Concen: 20.944 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	43	61	70
Resp	99584		
Ratio	100	15.5	11.2
Lower		11.8	8.7
Upper		17.6	13.1

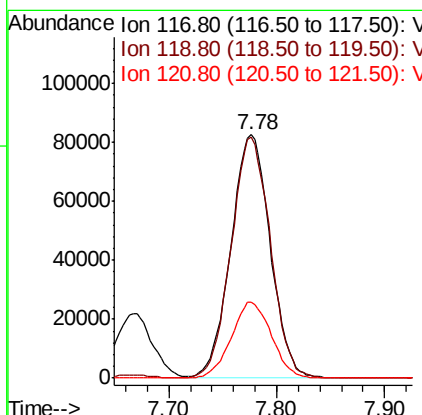
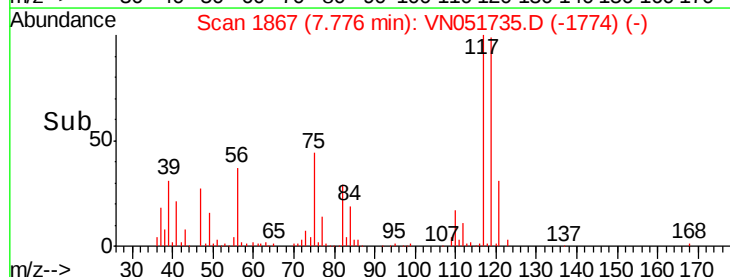
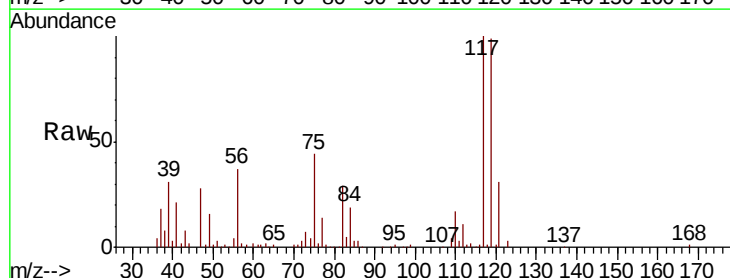
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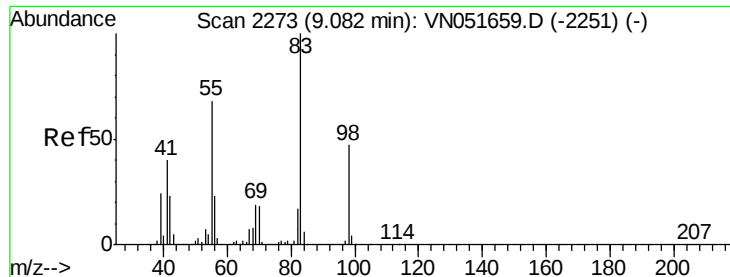
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#38
Carbon Tetrachloride
Concen: 19.050 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	117	119	121
Resp	208392		
Ratio	100	99.2	31.5
Lower		77.0	25.0
Upper		115.6	37.6





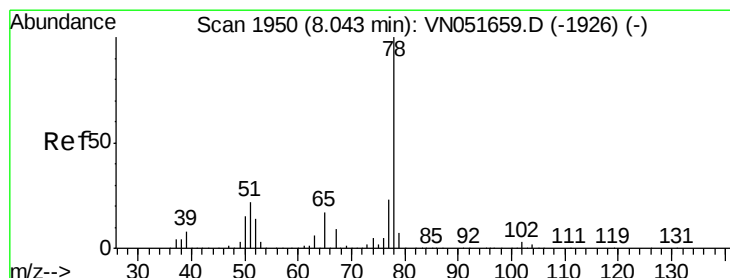
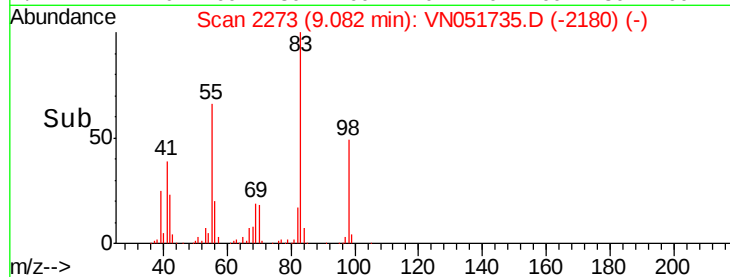
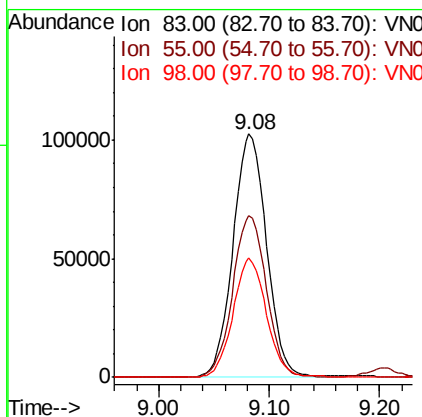
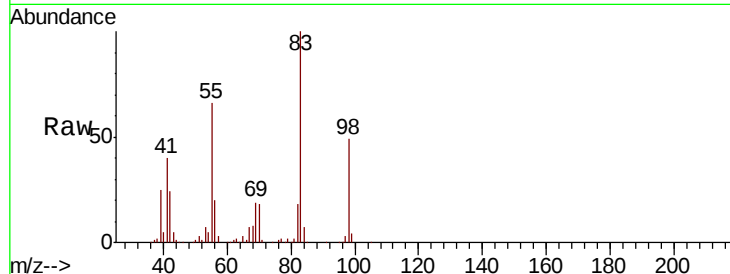
#39
Methvlcvclohexane
Concen: 18.936 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	54.3	81.5
98	48.9	37.4	56.2

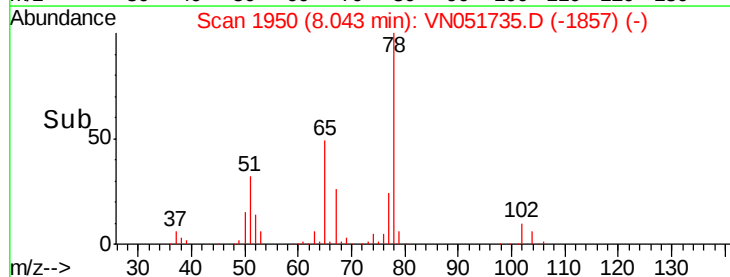
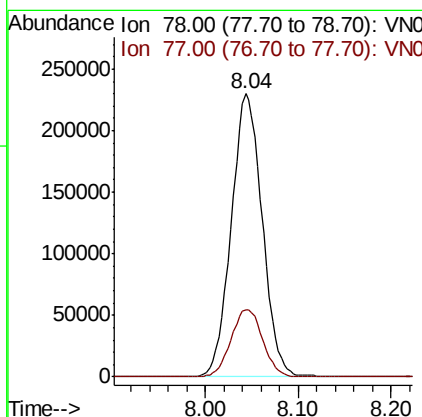
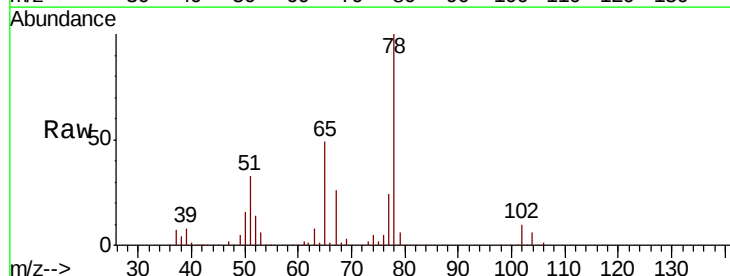
Manual Integrations
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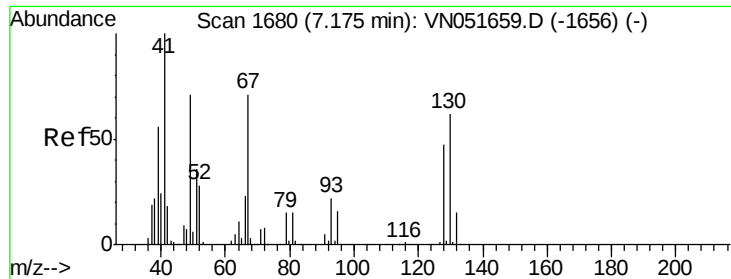
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#40
Benzene
Concen: 19.700 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





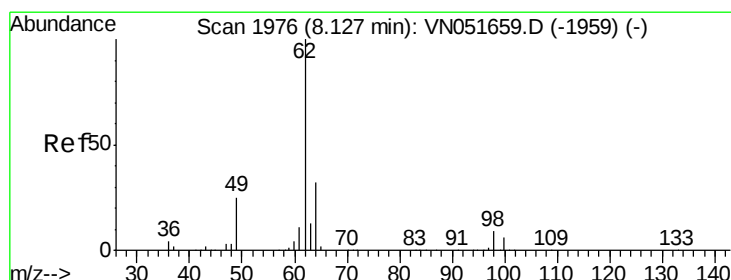
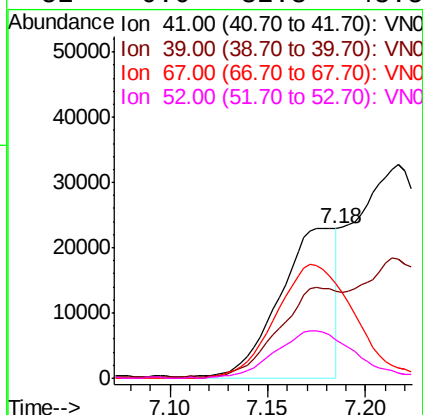
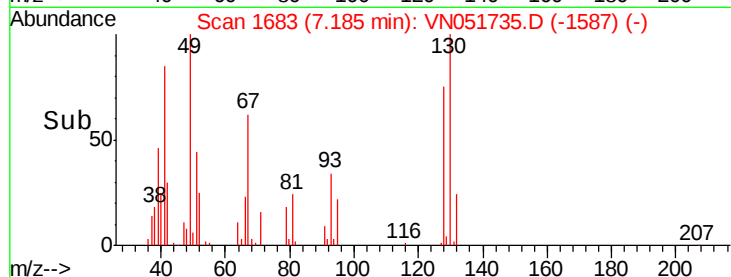
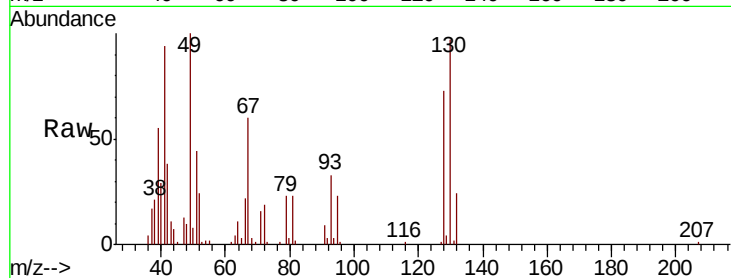
#41
Methacrylonitrile
Concen: 18.701 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

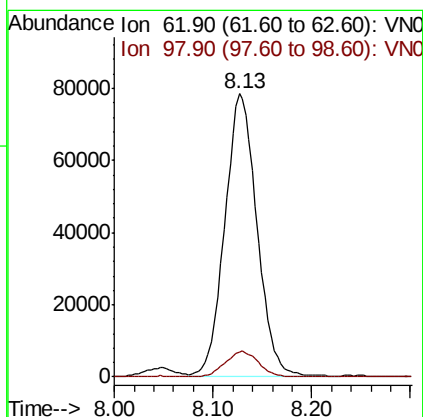
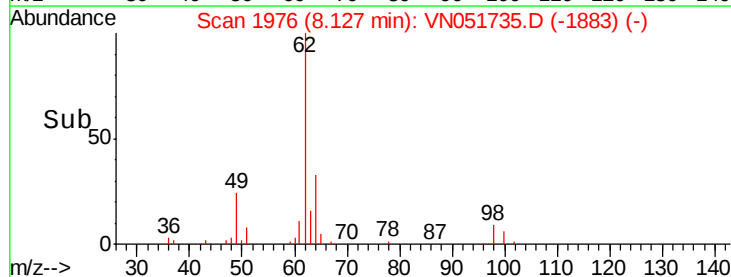
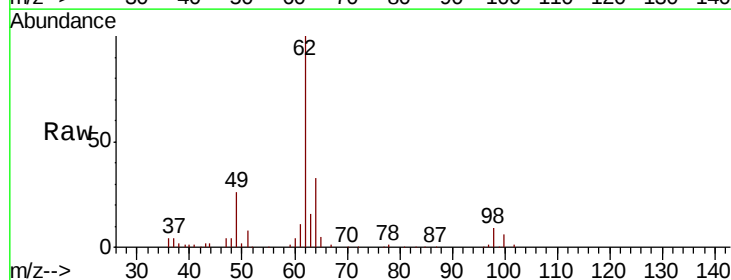
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.533 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

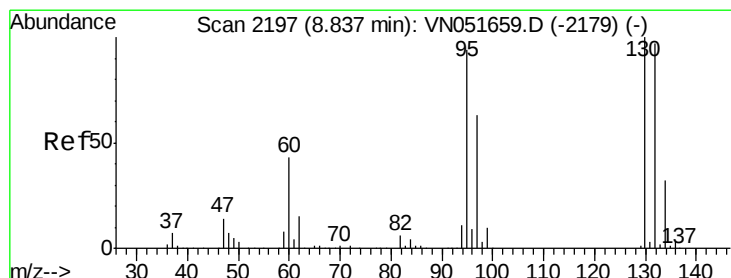
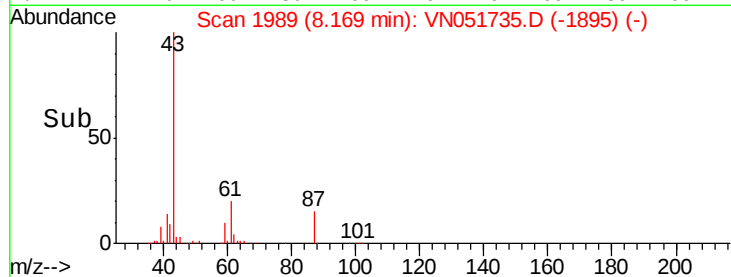
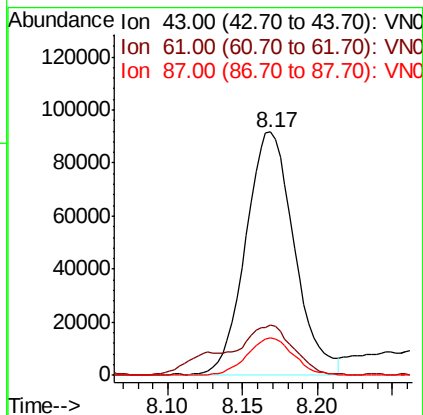
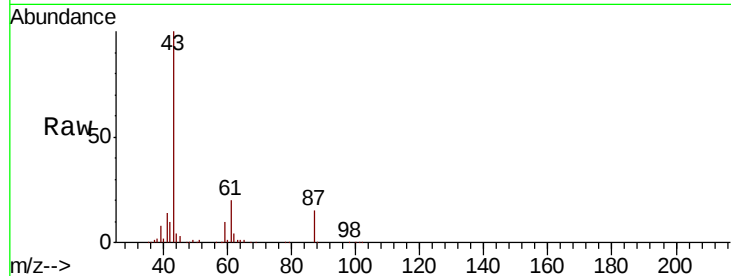
Isopropyl Acetate
 Concen: 20.731 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.6
87	14.9	12.6	19.0

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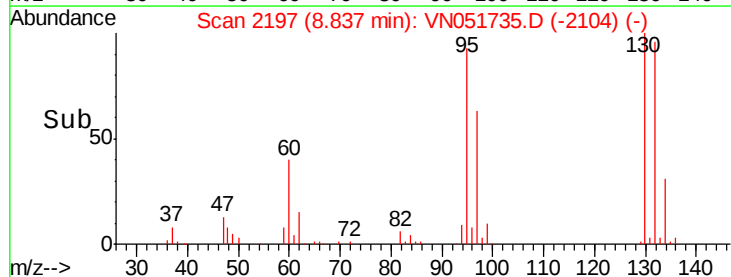
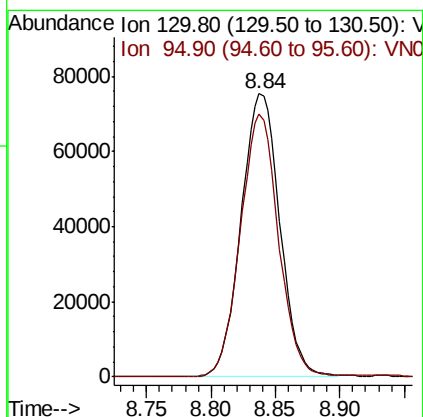
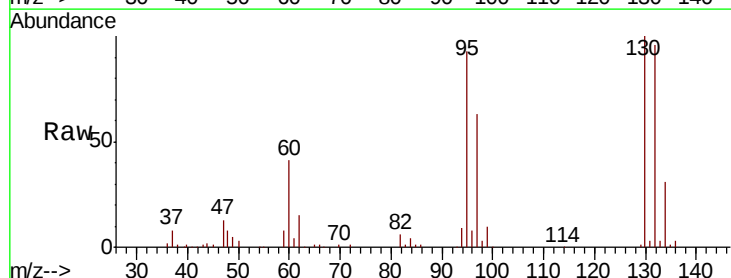
MMDadoda
 10/10/2018 11:48:39 AM

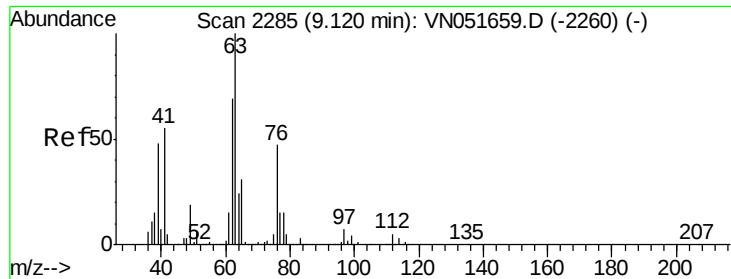


#44

Trichloroethene
 Concen: 20.570 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	188.0





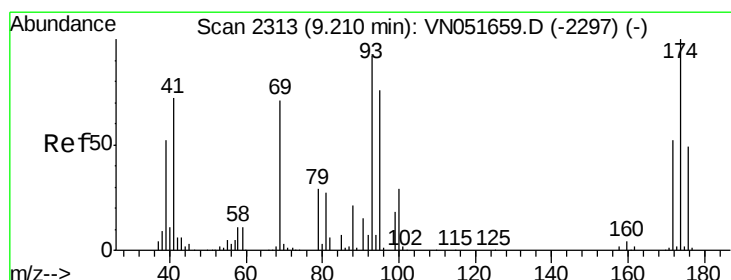
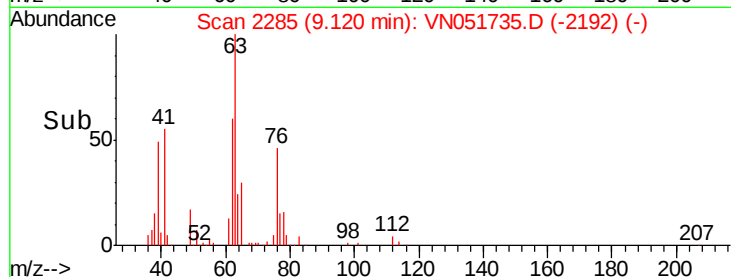
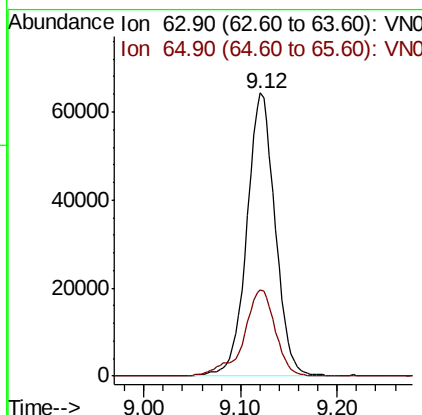
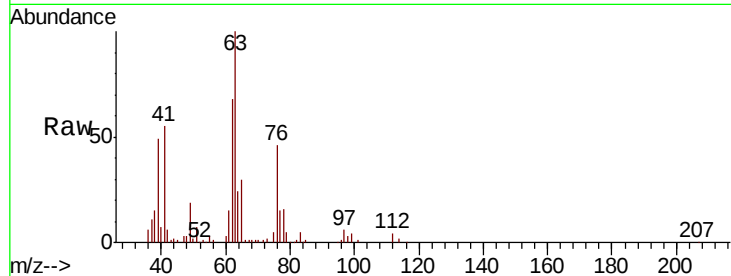
#45
 1,2-Dichloropropane
 Concen: 19.533 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion: 63 Resp: 130514
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

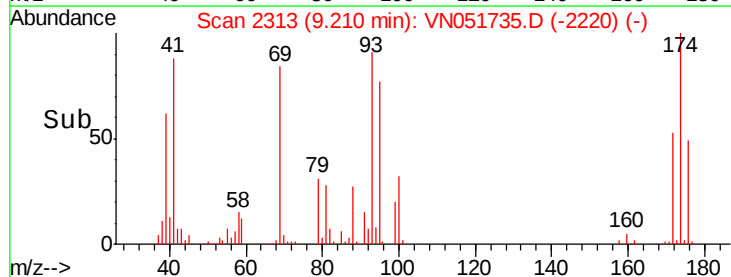
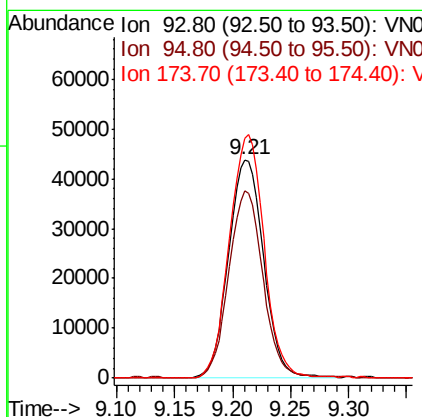
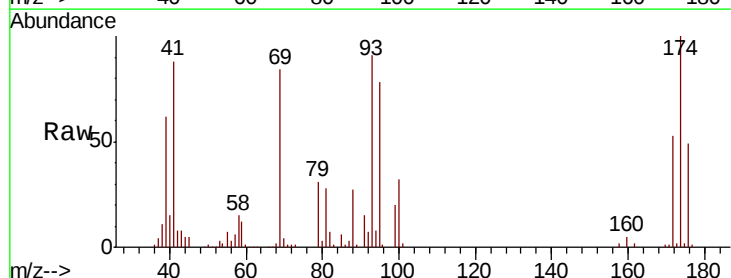
Manual Integrations
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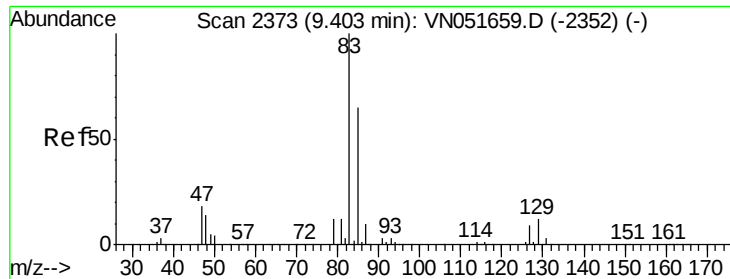
MMDadoda
 10/10/2018 11:48:39 AM



#46
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion: 93 Resp: 92103
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 109.6 85.9 128.9





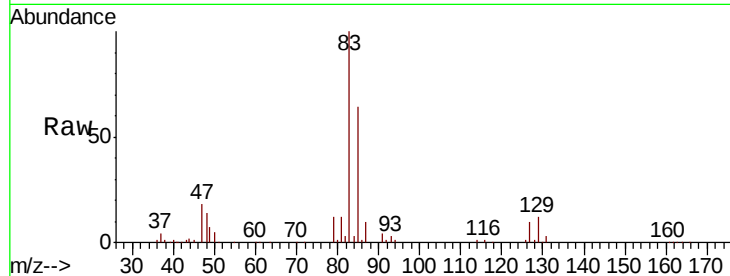
#47
Bromodichloromethane
Concen: 18.978 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

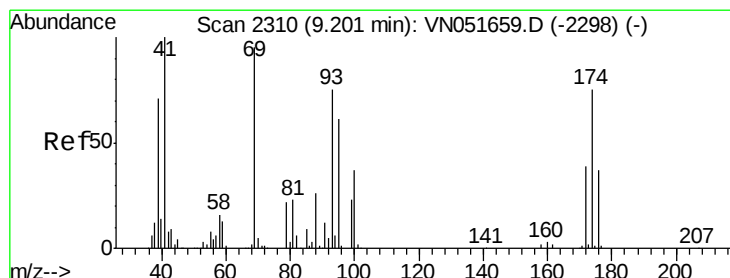
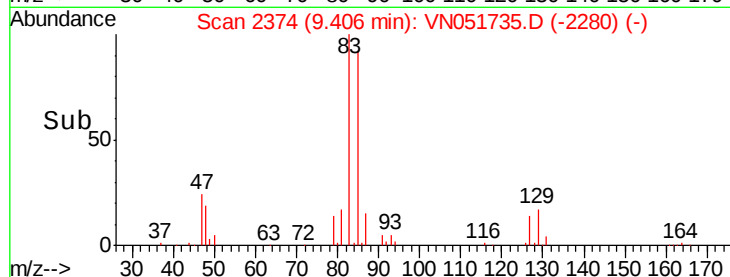
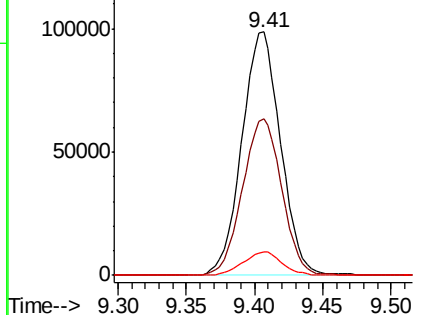
Tot Ion	Ratio	Resp	Lower	Upper
83	100	194031		
85	64.1	51.6	77.4	
127	9.7	7.3	10.9	

Manual Integrations
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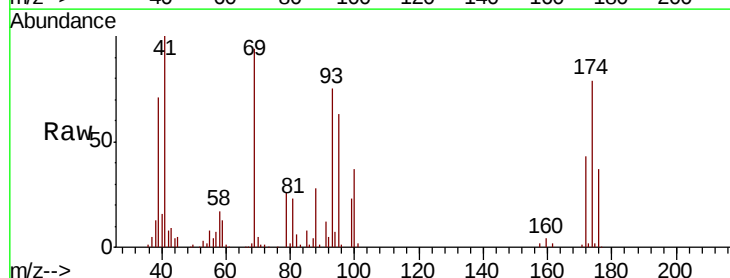


Abundance Ion 82.90 (82.60 to 83.60): VN051735.D (-2352) (-)
Ion 84.90 (84.60 to 85.60): VN051735.D (-2352) (-)
Ion 126.80 (126.50 to 127.50): VN051735.D (-2352) (-)

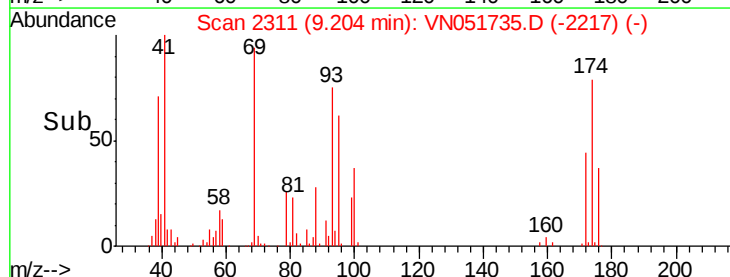
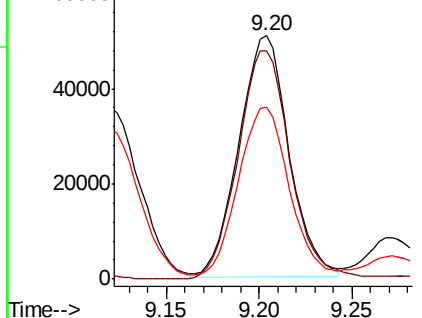


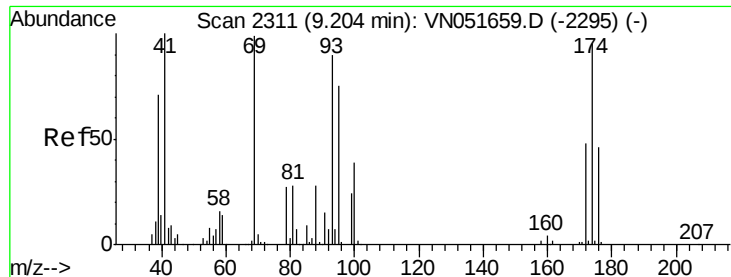
#48
Methyl methacrylate
Concen: 21.139 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	95755		
69	98.3	78.6	118.0	
39	71.8	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN051735.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051735.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051735.D (-2217) (-)





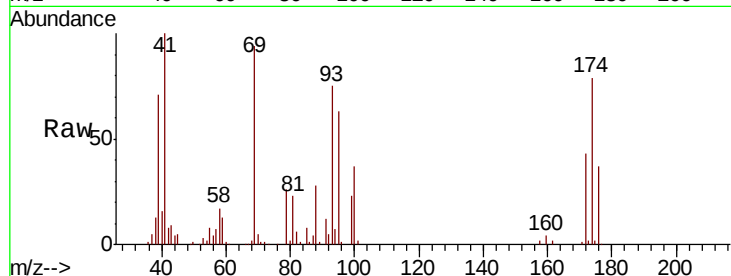
#49
1,4-Dioxane
Concen: 448.717 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	88	Resp	30478
Ion Ratio	Lower	Upper	
88	100		
43	26.2	24.5	36.7
58	57.2	47.6	71.4

Manual Integrations
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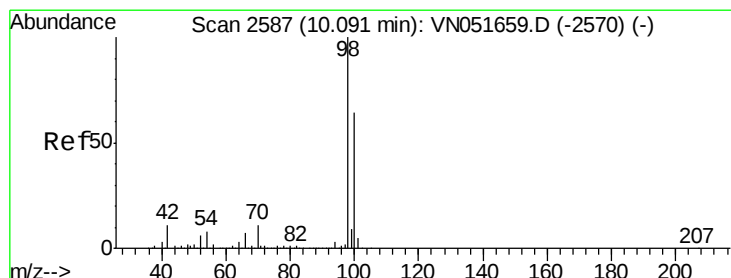
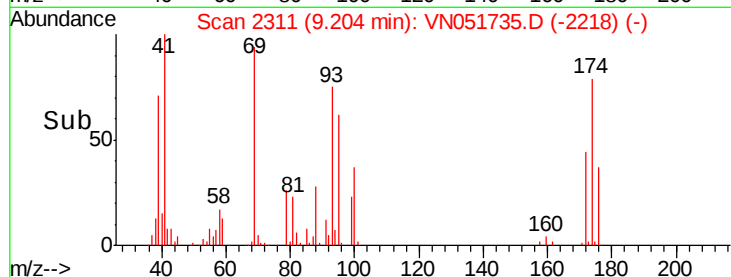
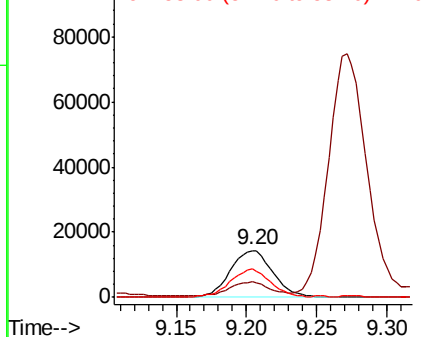


Abundance

Ion 88.00 (87.70 to 88.70): VN0

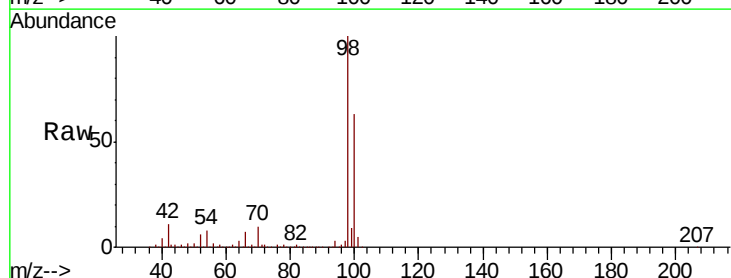
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 448.717 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

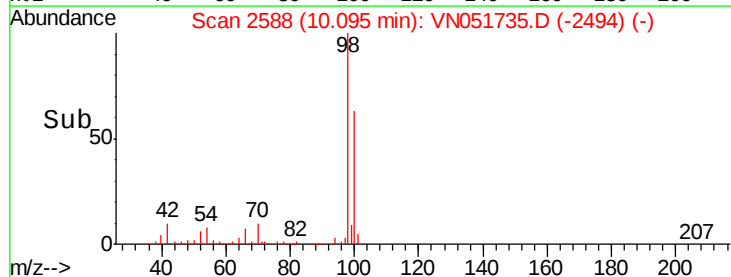
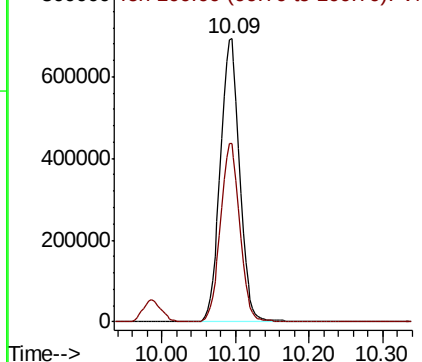
Tgt Ion	98	Resp	1266775
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.5	77.3

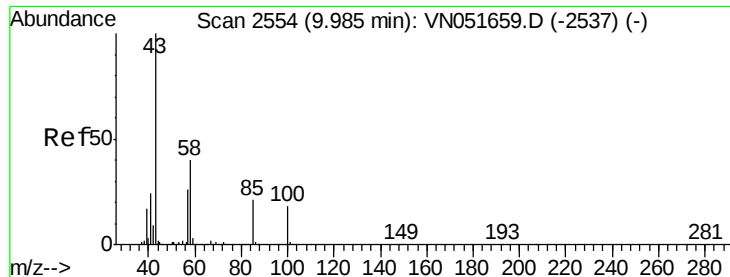


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.137 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 43 Resp: 533155

Ion Ratio Lower Upper

43 100

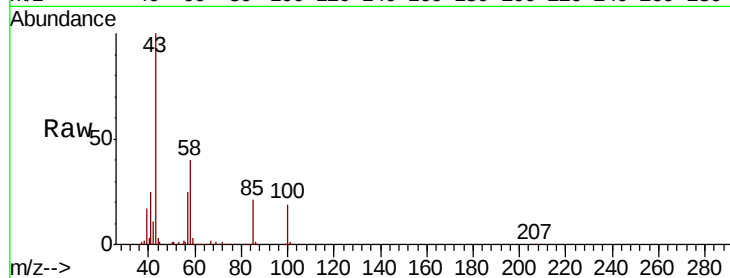
58 39.8 32.2 48.2

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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

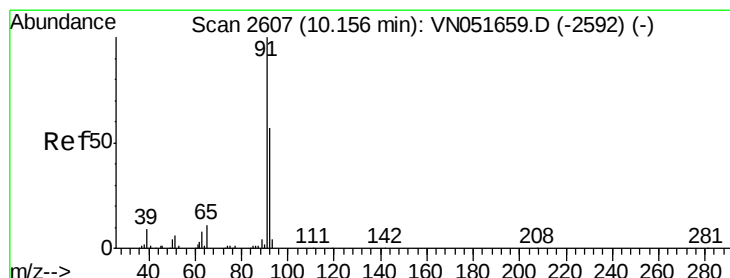
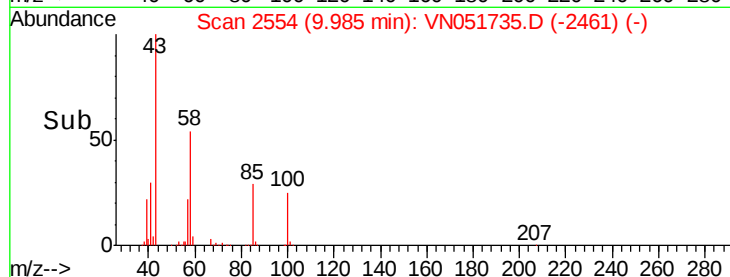
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.453 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051735.D

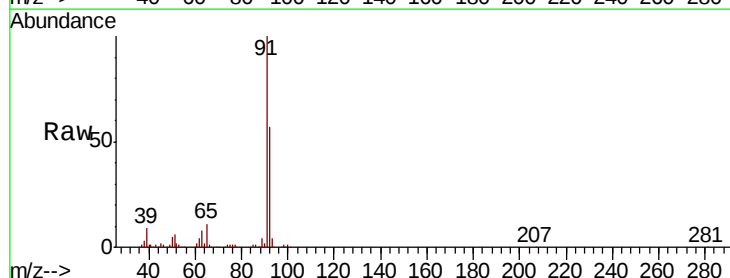
Acq: 8 Oct 2018 14:59

Tgt Ion: 92 Resp: 349660

Ion Ratio Lower Upper

92 100

91 177.7 140.3 210.5



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

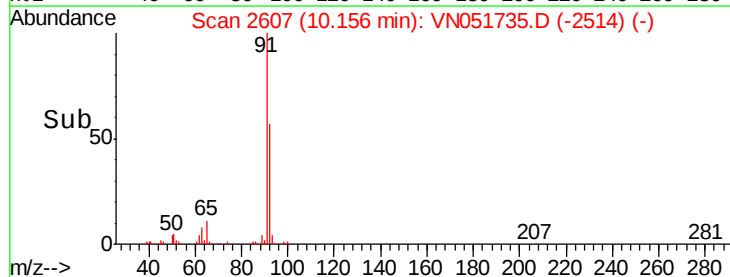
300000

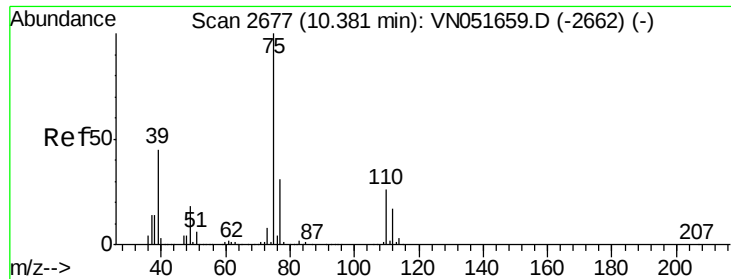
200000

100000

0

Time-->





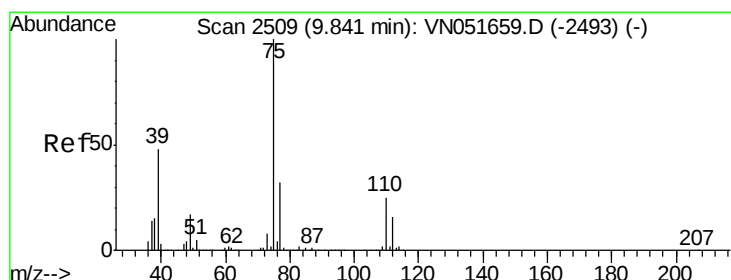
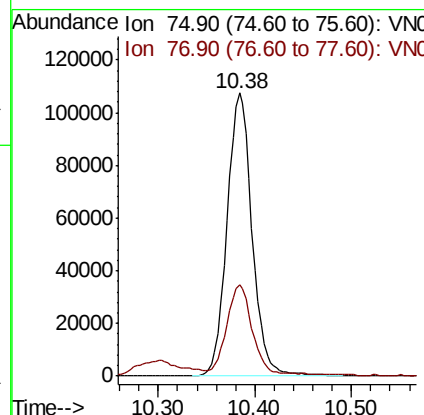
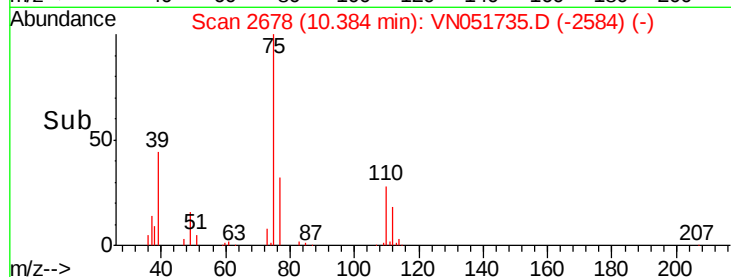
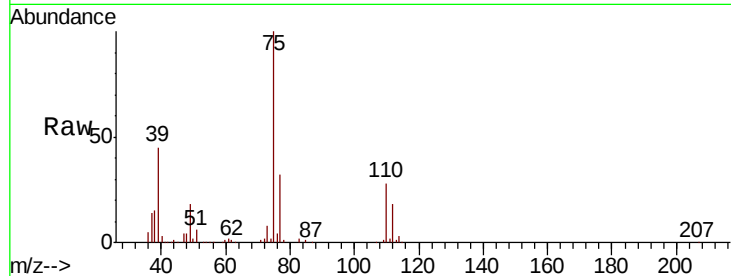
#53
t-1,3-Dichloropropene
Concen: 18.314 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 75 Resp: 193204
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

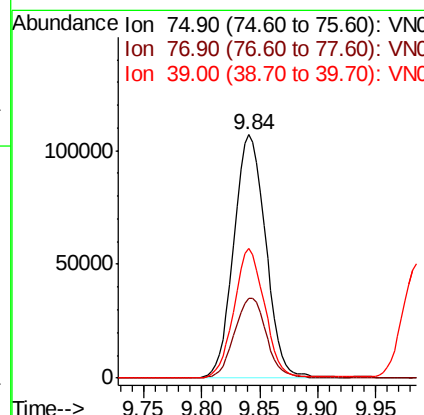
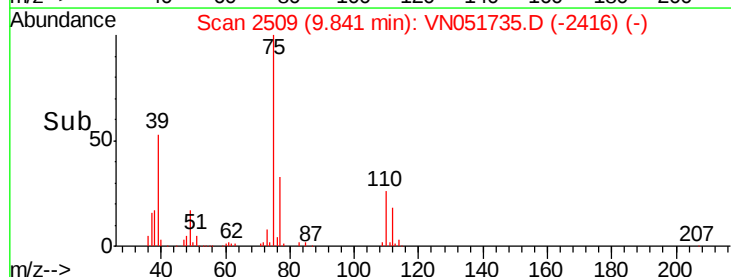
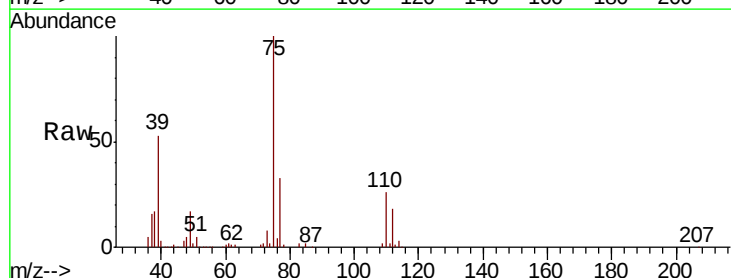
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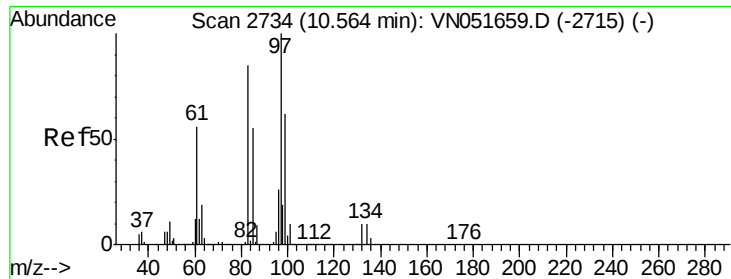
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.240 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 75 Resp: 204339
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 53.2 38.1 57.1





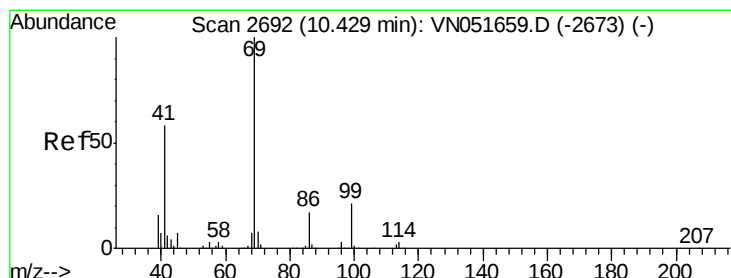
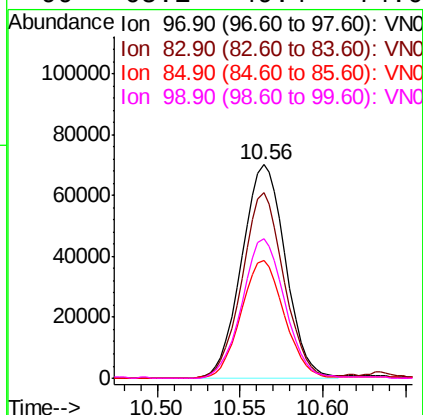
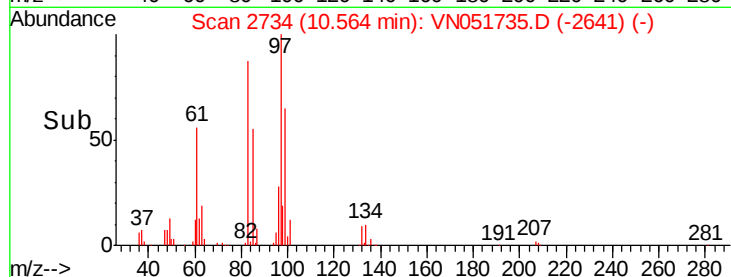
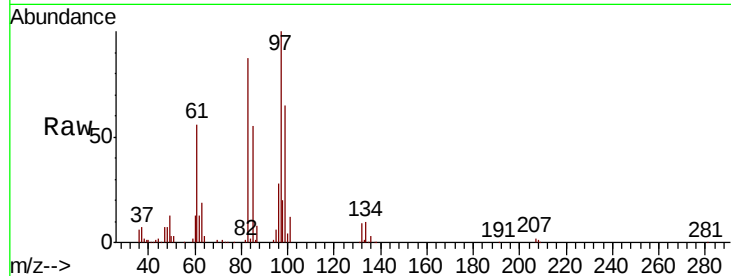
#55
 1,1,2-Trichloroethane
 Concen: 20.094 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.1	102.1
85	54.9	43.6	65.4
99	65.1	49.4	74.0

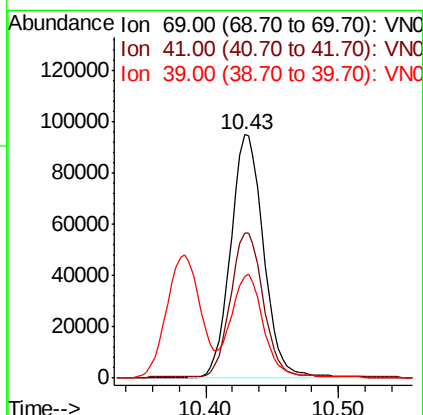
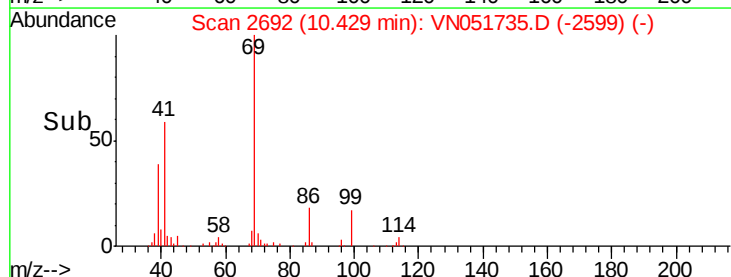
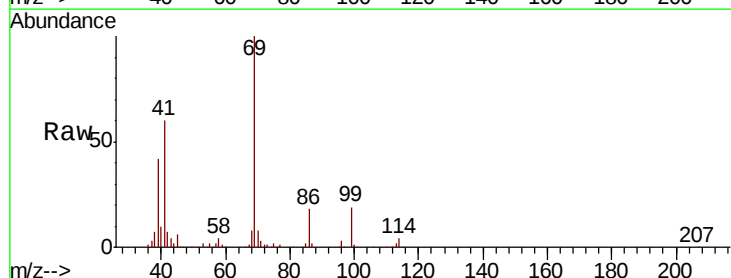
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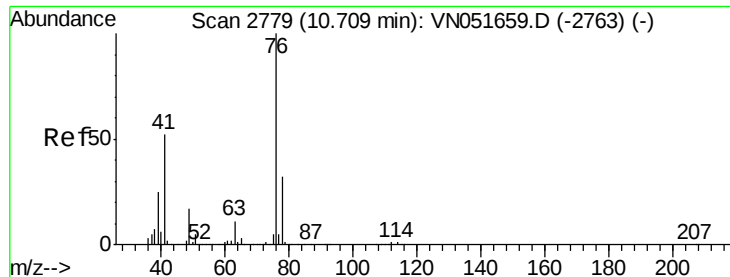
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 10/10/2018 11:48:39 AM



#56
 Ethyl methacrylate
 Concen: 20.305 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.4	46.4	69.6
39	41.7	32.4	48.6





#57

1,3-Dichloropropane

Concen: 20.253 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 76 Resp: 205256

Ion Ratio Lower Upper

76 100

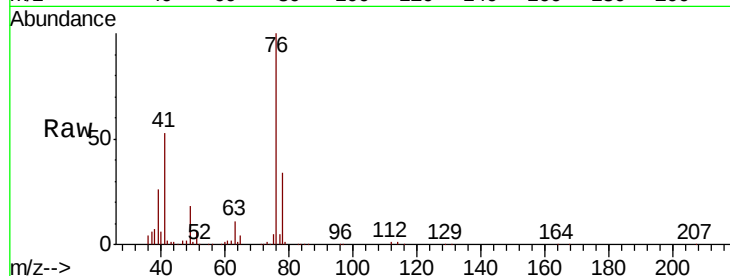
78 32.4 26.0 39.0

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

120000

100000

80000

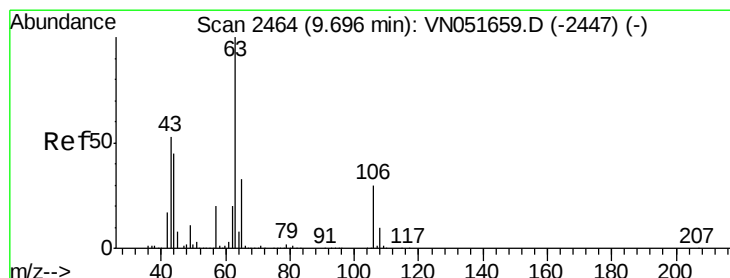
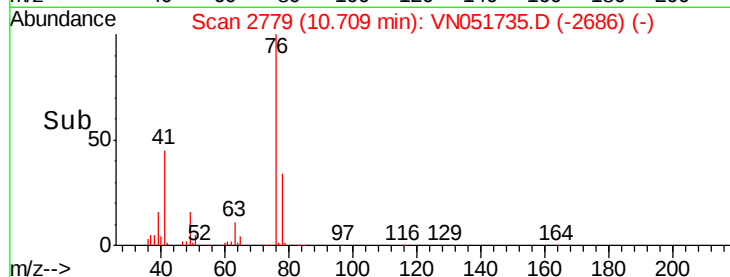
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 98.272 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051735.D

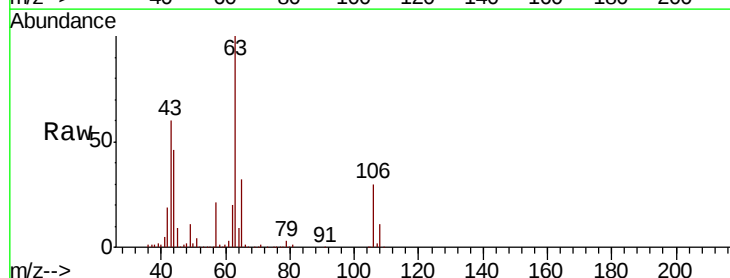
Acq: 8 Oct 2018 14:59

Tgt Ion: 63 Resp: 329342

Ion Ratio Lower Upper

63 100

106 31.2 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

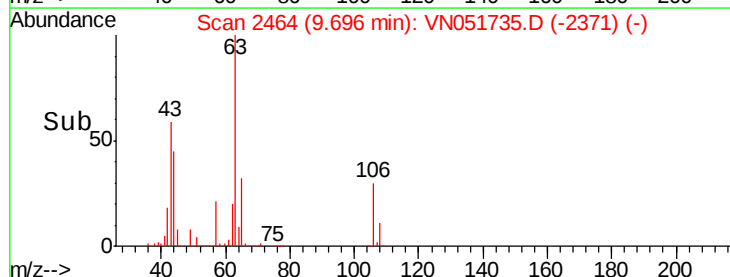
150000

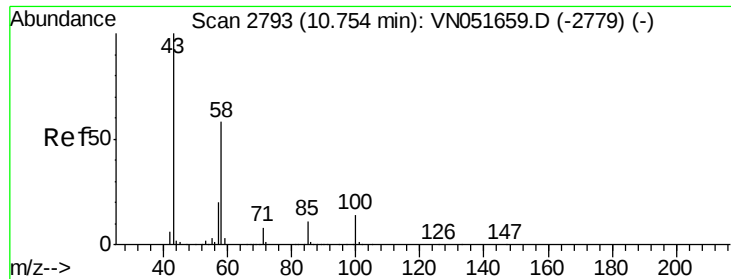
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





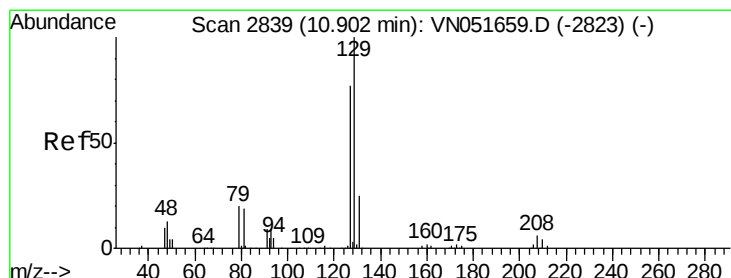
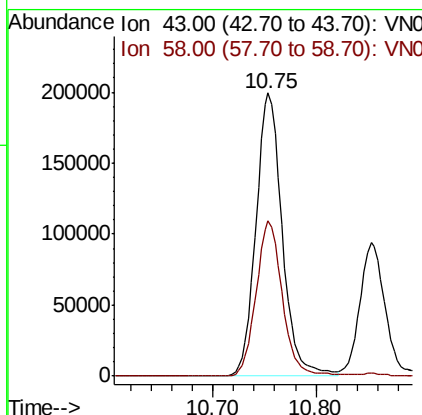
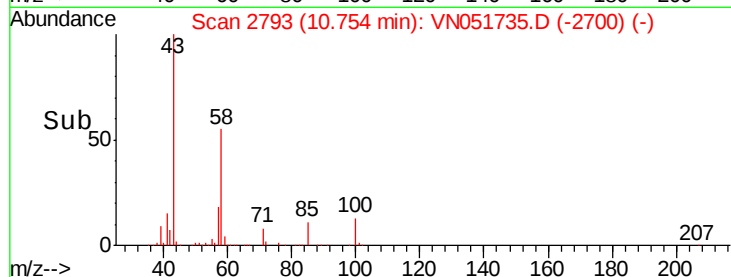
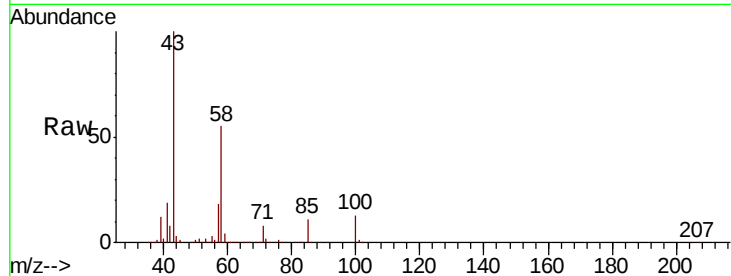
#59
2-Hexanone
Concen: 102.551 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 43 Resp: 349848
Ion Ratio Lower Upper
43 100
58 55.1 28.8 86.4

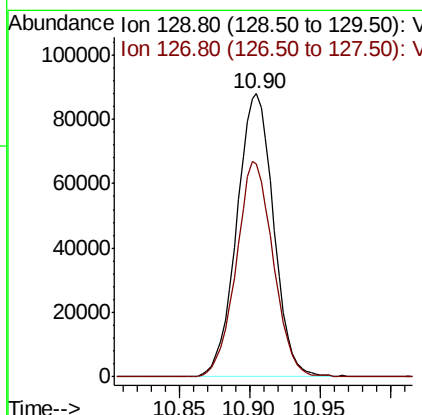
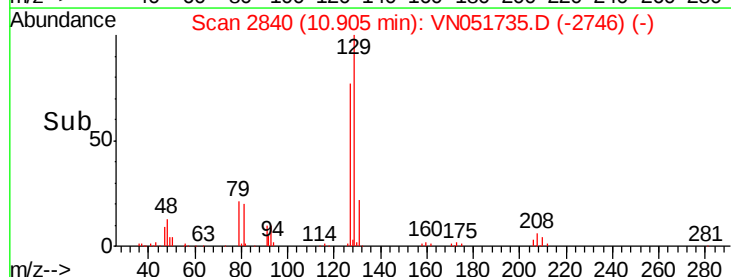
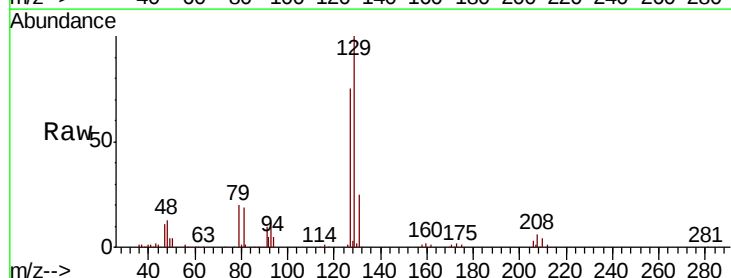
Manual Integrations
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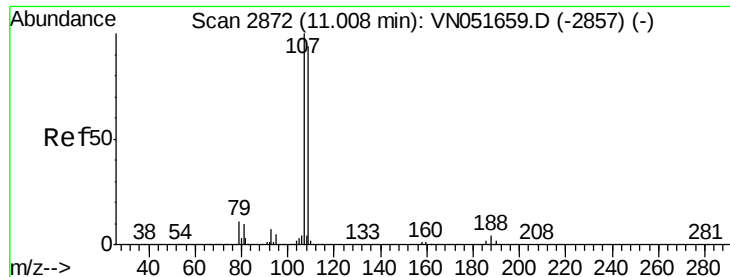
MMDadoda
10/10/2018 11:48:39 AM



#60
Dibromochloromethane
Concen: 19.168 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 129 Resp: 160621
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





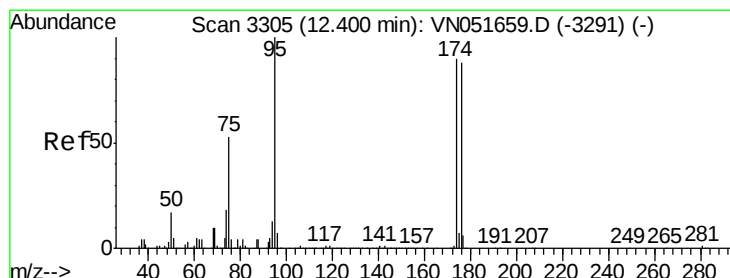
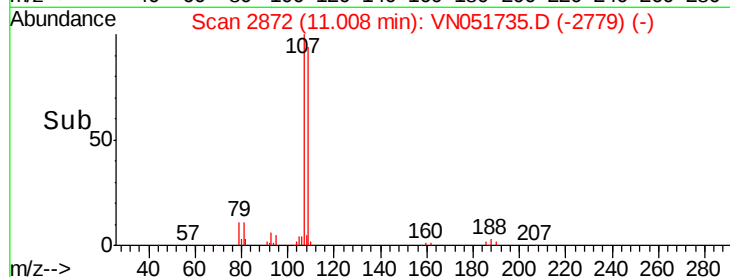
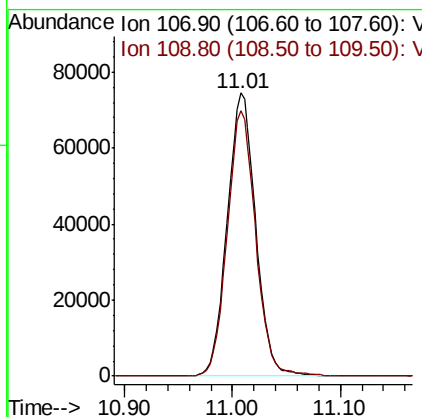
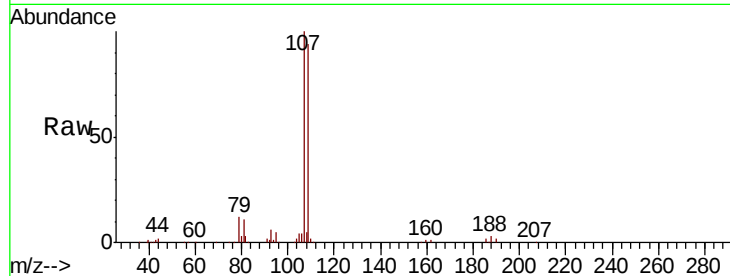
#61
 1,2-Dibromoethane
 Concen: 20.218 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.4	113.0

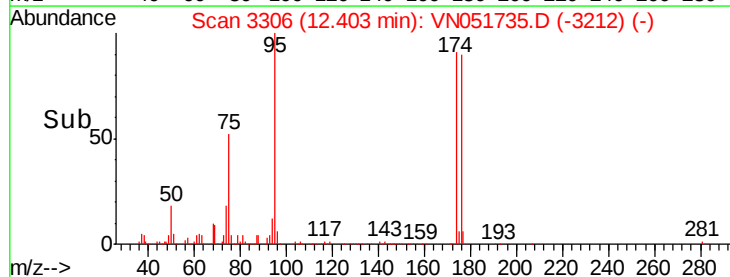
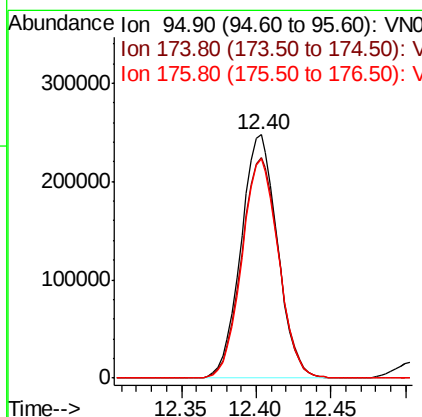
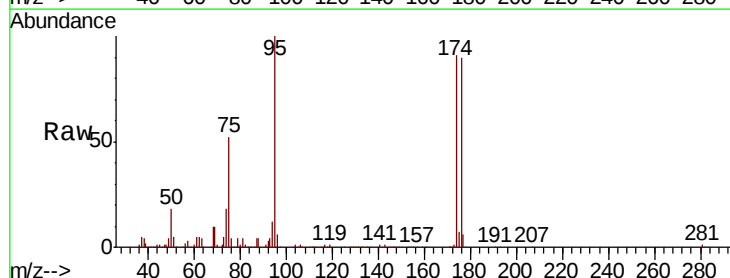
Manual Integrations
 APPROVED

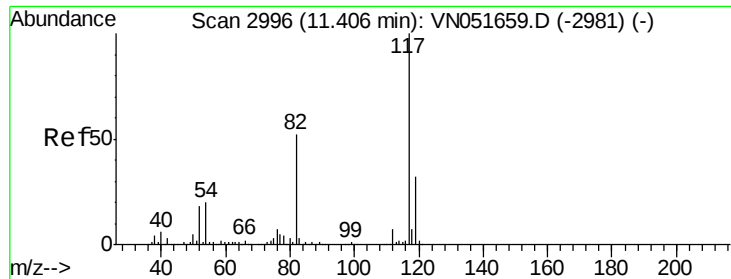
MMDadoda
 10/10/2018 11:48:39 AM



#62
 4-Bromofluorobenzene
 Concen: 20.218 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	182.8
176	90.0	0.0	176.4





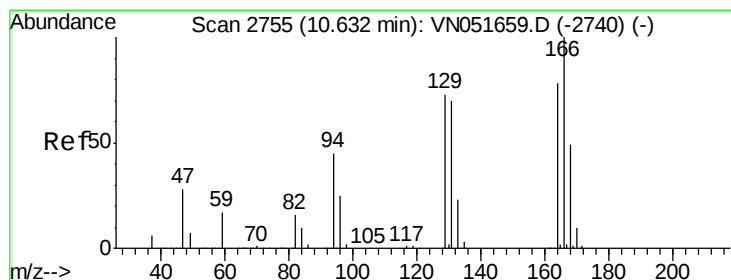
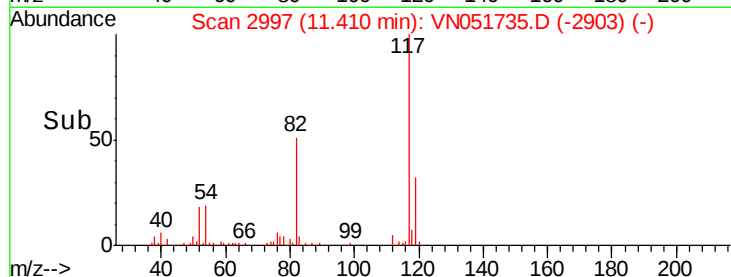
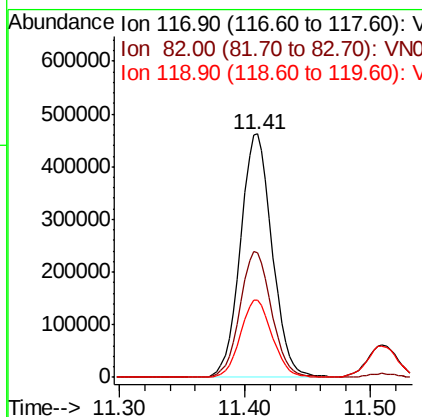
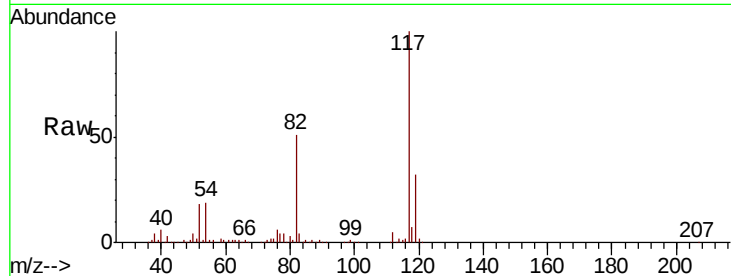
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.3	61.9
119	31.7	25.9	38.9

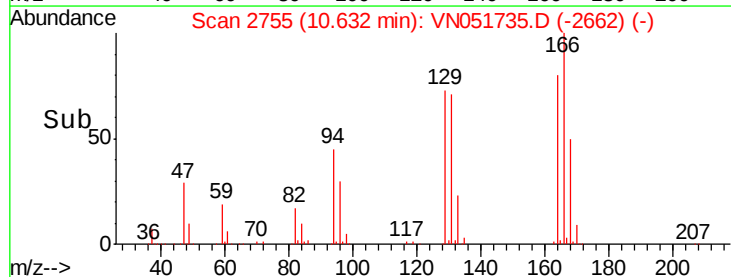
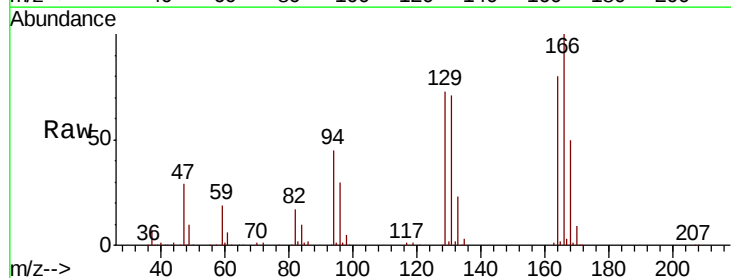
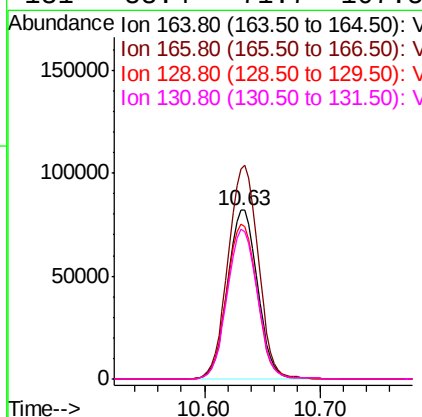
Manual Integrations
APPROVED

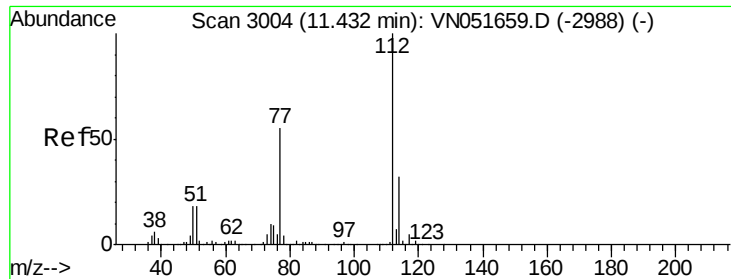
MMDadoda
10/10/2018 11:48:39 AM



#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.0	154.6
129	91.6	75.2	112.8
131	88.4	71.7	107.5





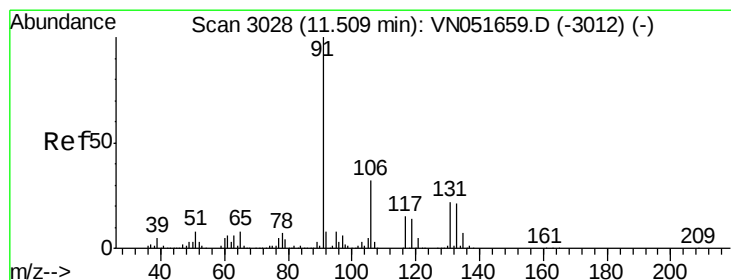
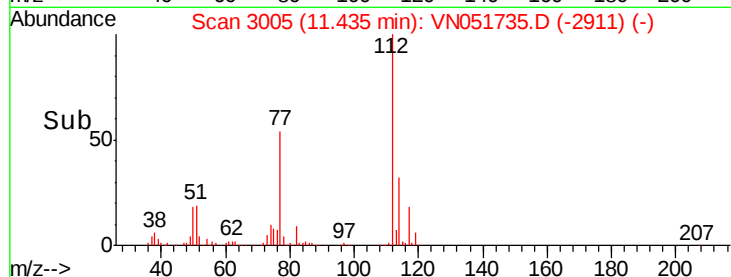
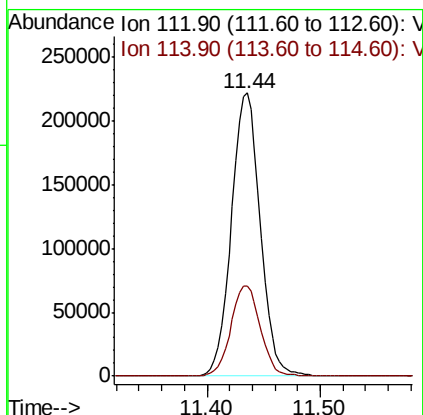
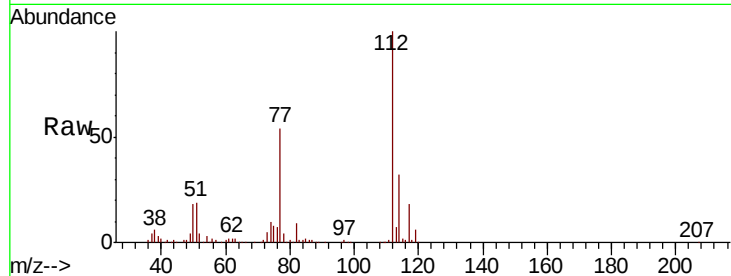
#65
Chlorobenzene
Concen: 19.543 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

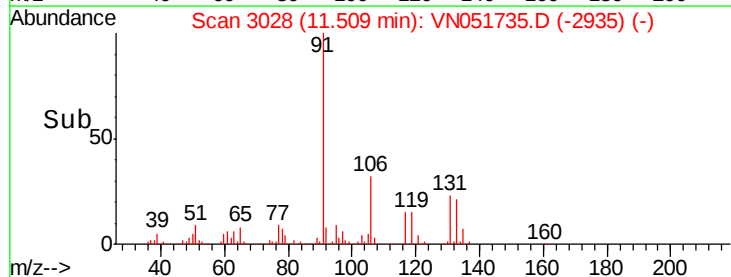
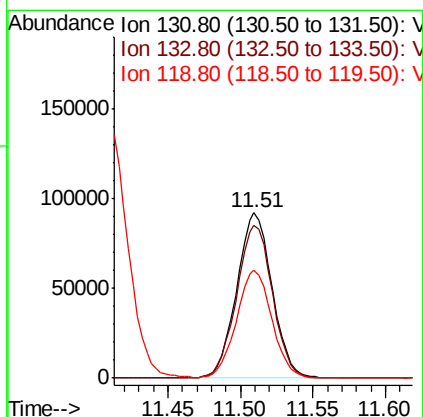
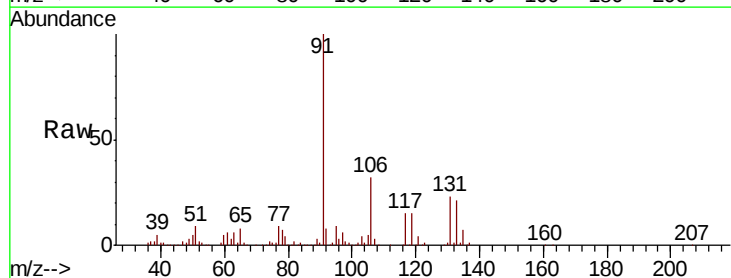
Manual Integrations
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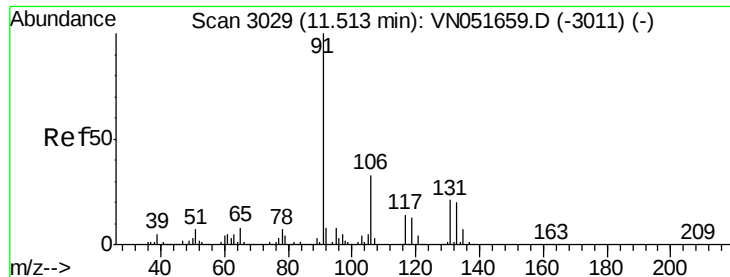
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.6	142.8
119	65.5	32.0	96.0





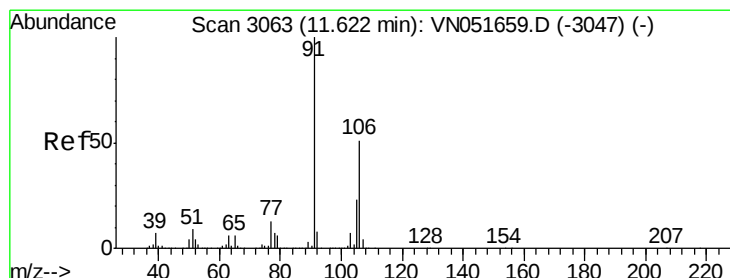
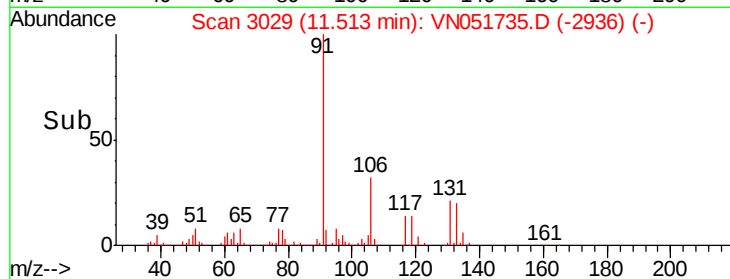
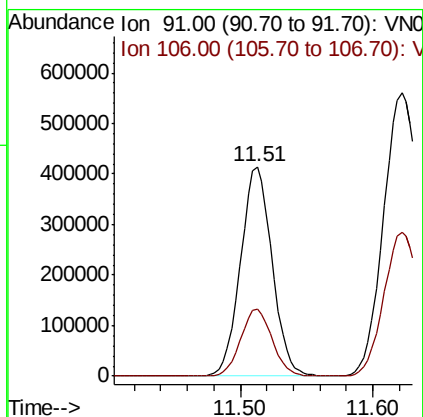
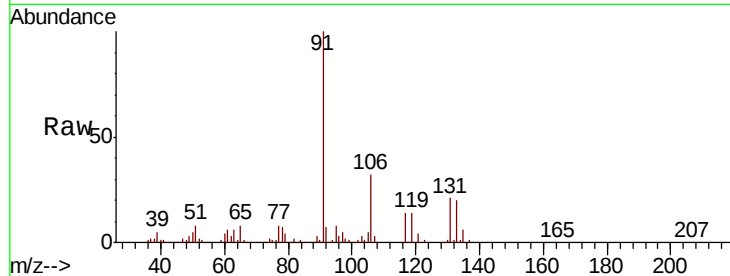
#67
Ethyl Benzene
Concen: 19.752 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion: 91 Resp: 686790
Ion Ratio Lower Upper
91 100
106 31.9 26.0 39.0

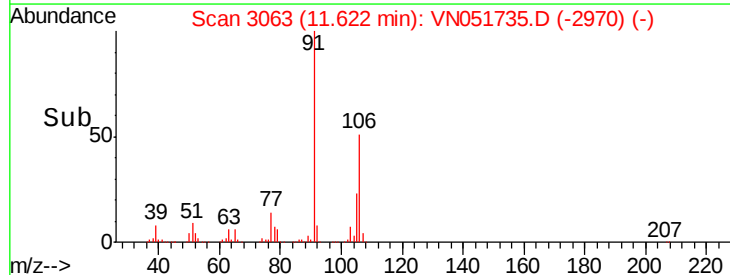
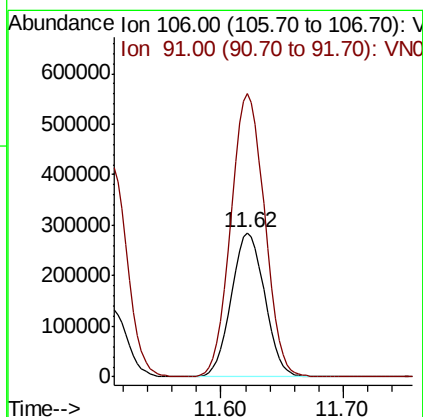
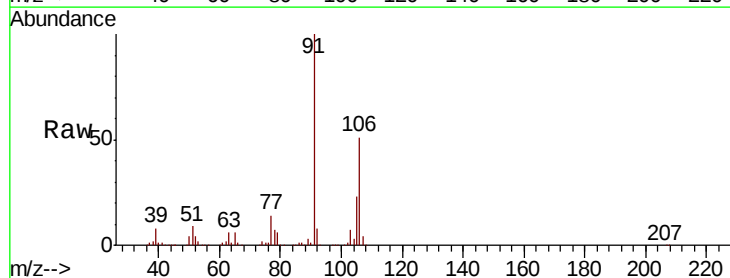
Manual Integrations
APPROVED

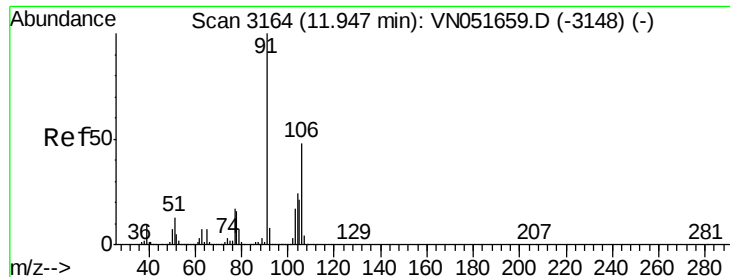
MMDadoda
10/10/2018 11:48:39 AM



#68
m/p-Xylenes
Concen: 39.002 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion: 106 Resp: 542600
Ion Ratio Lower Upper
106 100
91 198.4 158.4 237.6





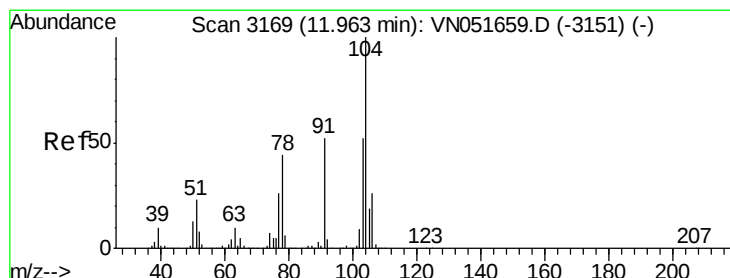
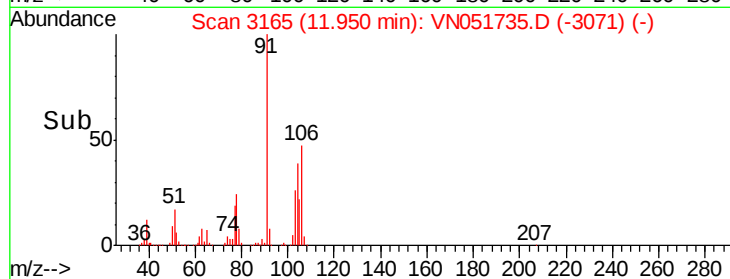
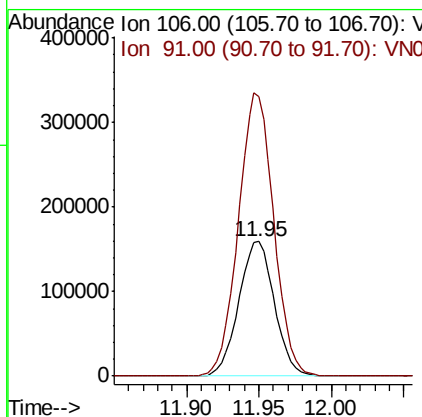
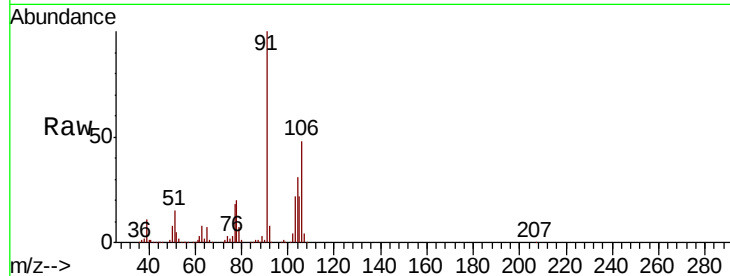
#69
o-Xylene
Concen: 19.861 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	209.2	104.4	313.2	

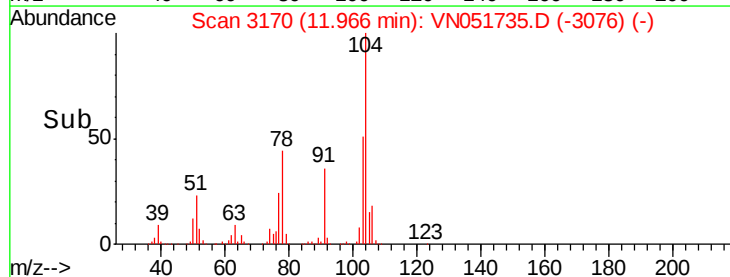
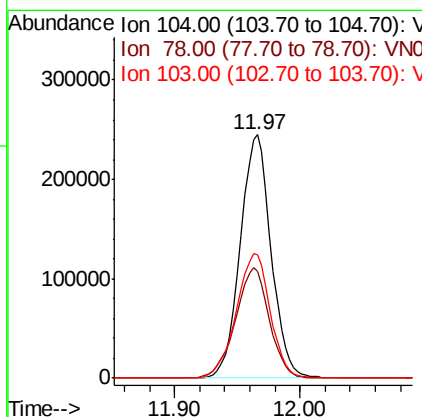
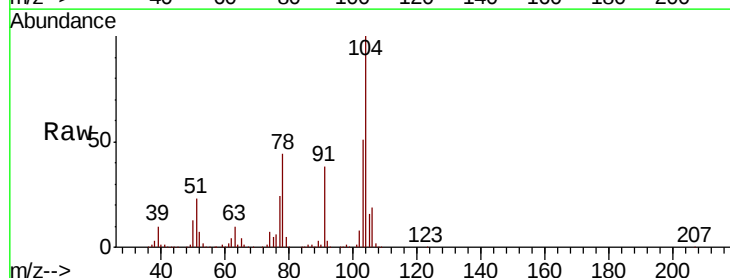
Manual Integrations
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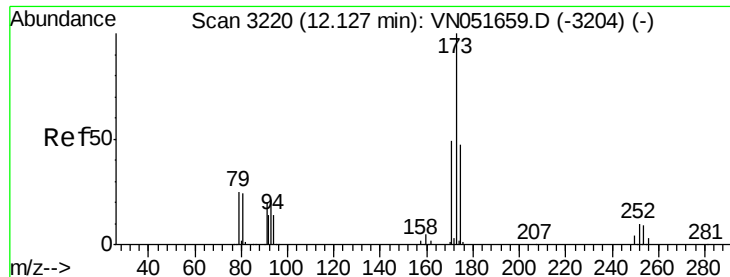
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#70
Styrene
Concen: 19.229 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	49.7	39.3	58.9	
103	56.5	45.0	67.6	





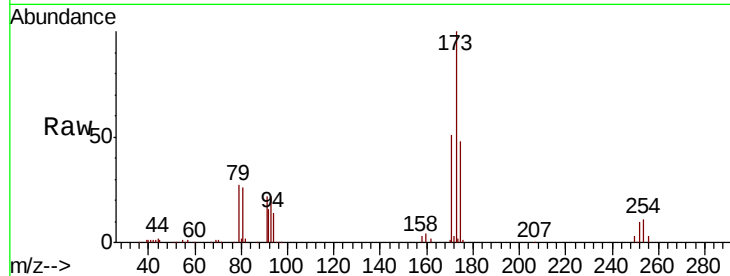
#71
Bromoform
Concen: 17.752 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.0	72.0
254	0.0	0.1	0.1

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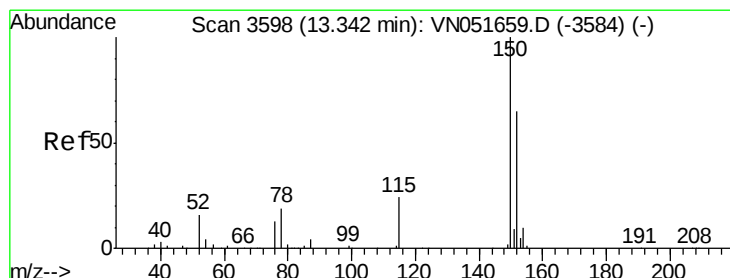
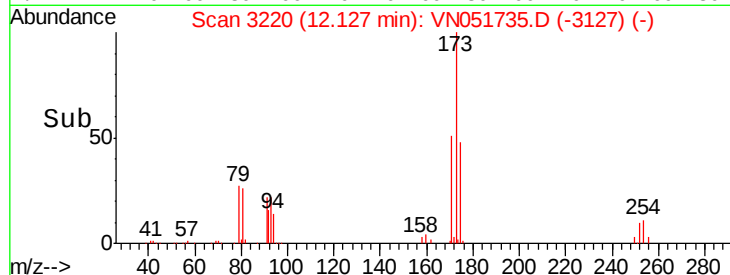
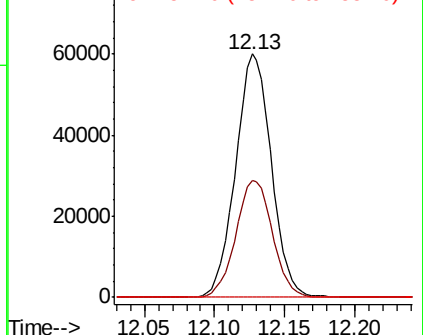


Abundance

Ion 172.70 (172.40 to 173.40): V

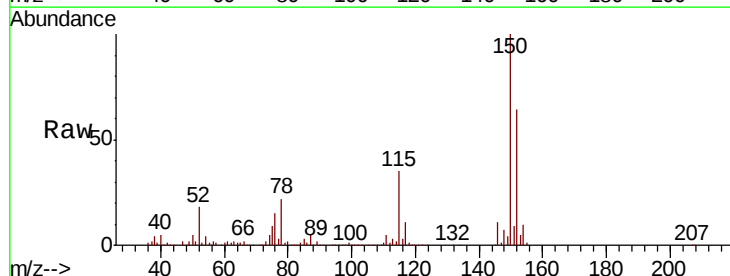
Ion 174.70 (174.40 to 175.40): V

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: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.6	85.8
150	162.0	0.0	352.4

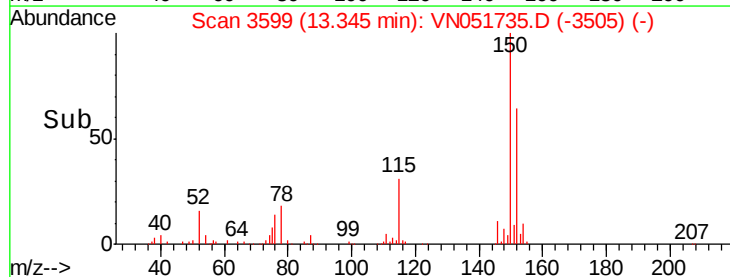
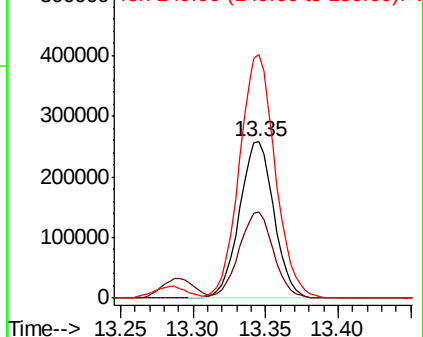


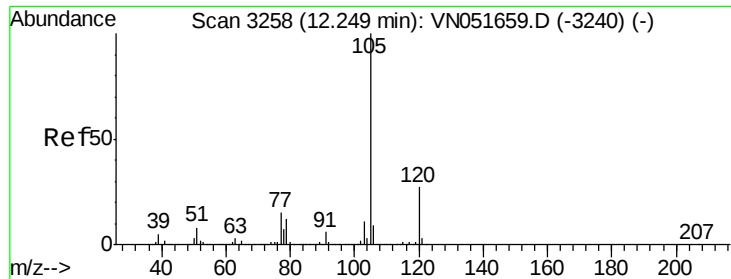
Abundance

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: 19.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 105 Resp: 713378

Ion Ratio Lower Upper

105 100

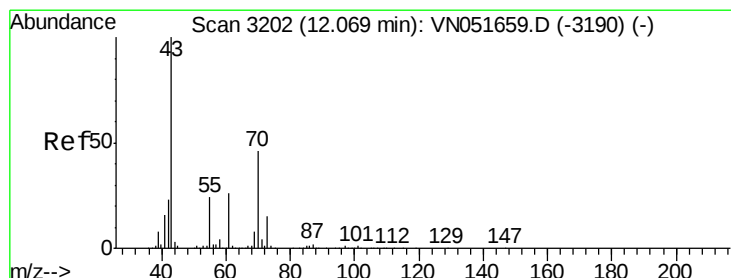
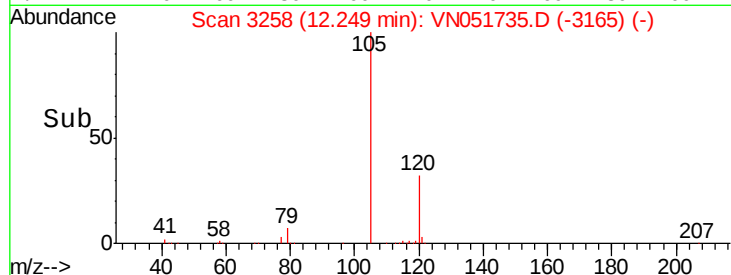
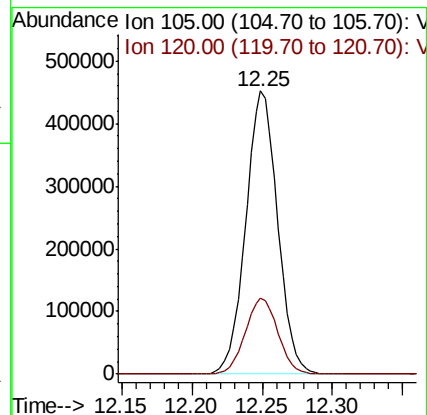
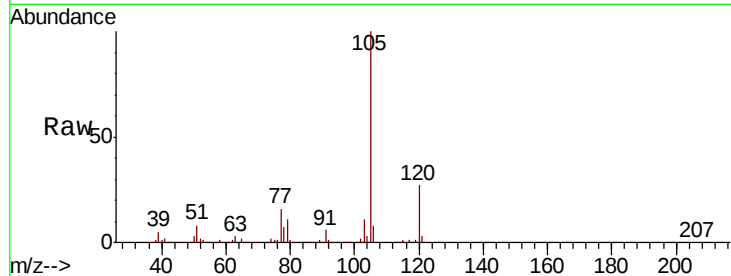
120 27.5 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.371 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion: 43 Resp: 160268

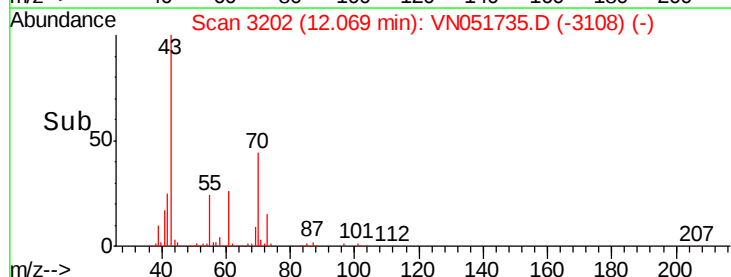
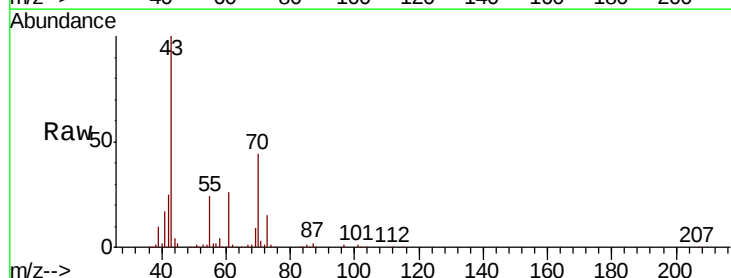
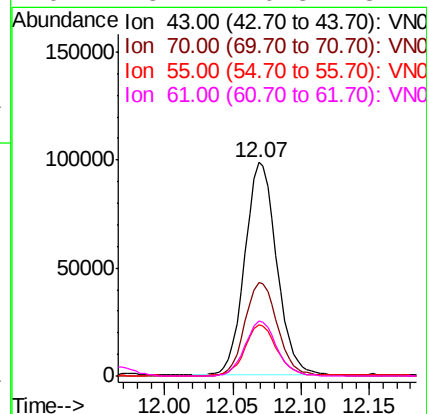
Ion Ratio Lower Upper

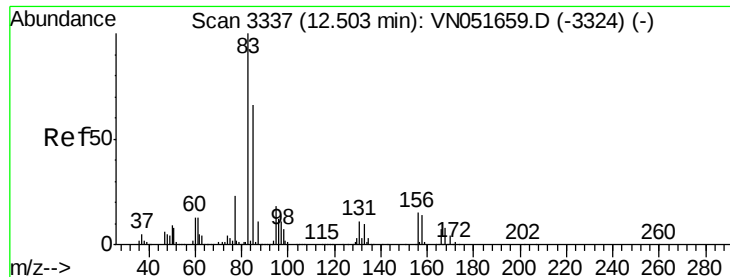
43 100

70 45.0 37.1 55.7

55 23.6 19.1 28.7

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.911 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 83 Resp: 156388

Ion Ratio Lower Upper

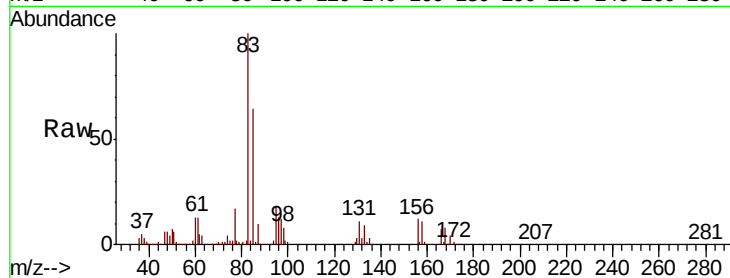
83 100

131 11.5 5.7 17.1

85 65.6 33.0 98.9

Manual Integrations
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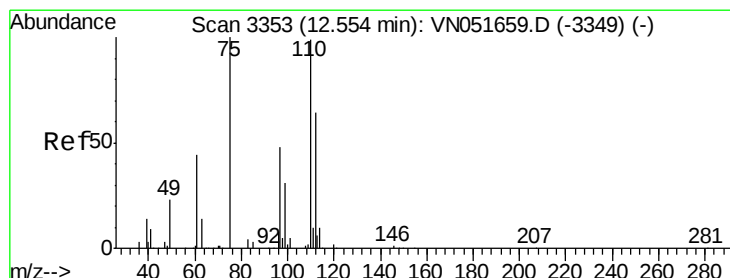
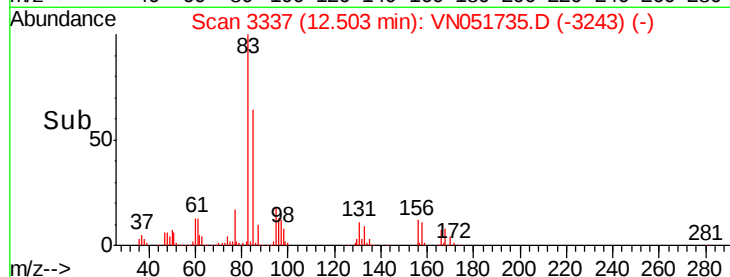
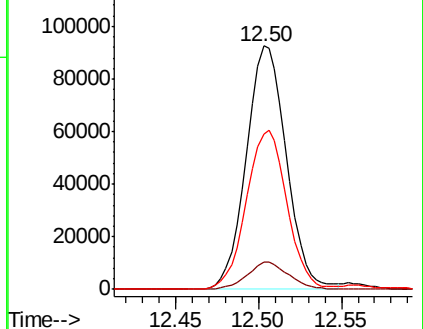
MMDadoda
10/10/2018 11:48:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.193 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051735.D

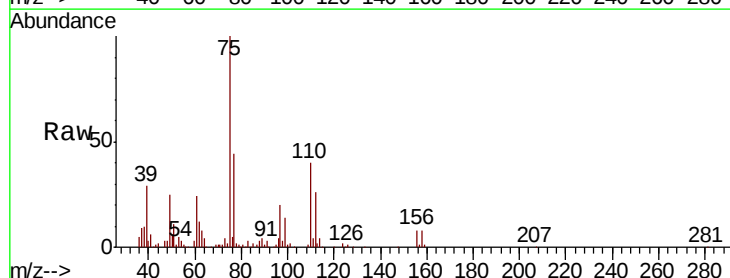
Acq: 8 Oct 2018 14:59

Tgt Ion: 75 Resp: 129380

Ion Ratio Lower Upper

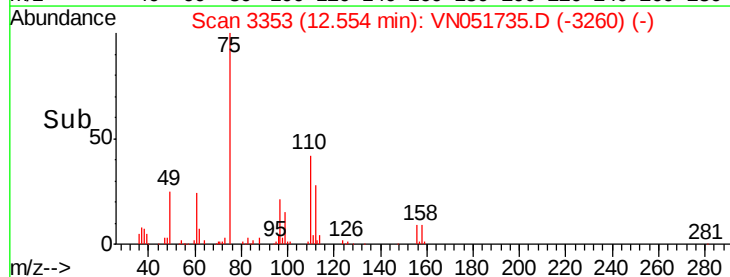
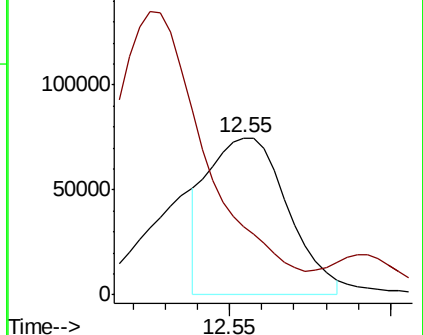
75 100

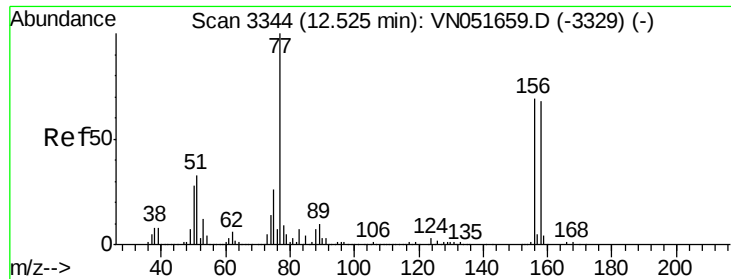
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.373 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

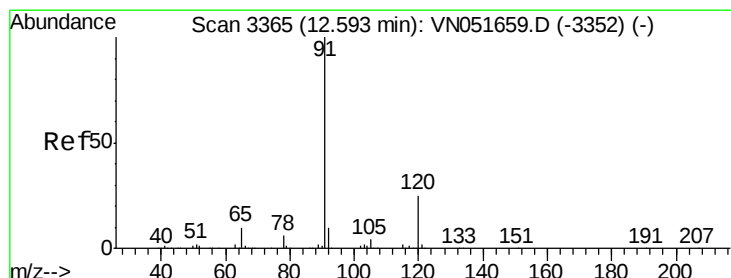
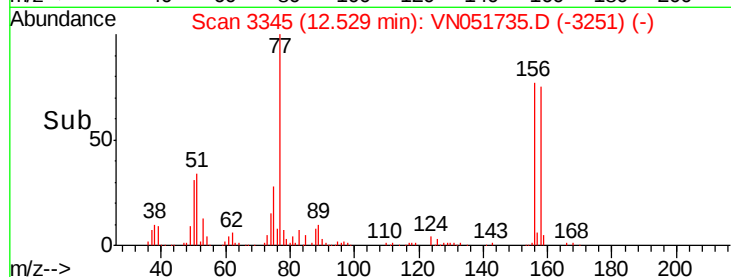
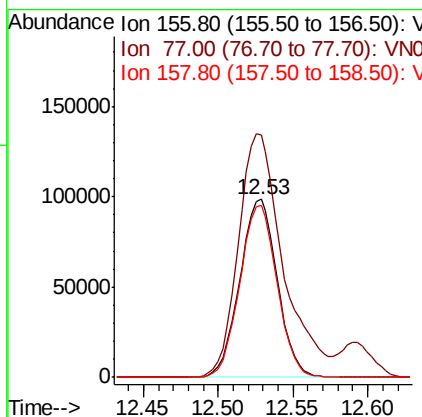
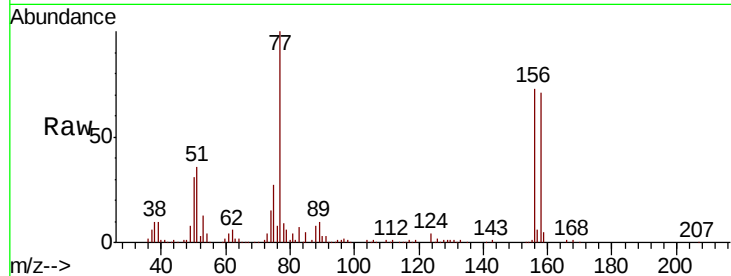
ClientSampleId :

VN1008MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		171793		
77	163.0	83.2	249.4		
158	96.1	49.0	147.2		

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#78

n-propylbenzene

Concen: 19.490 ug/l

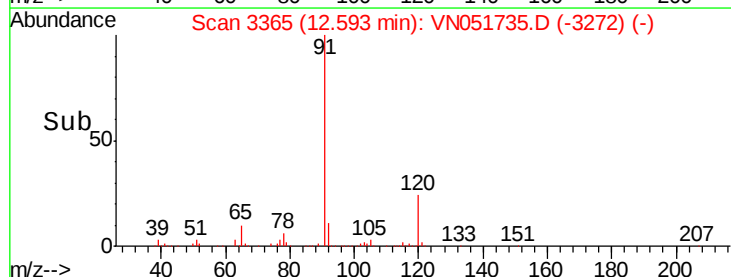
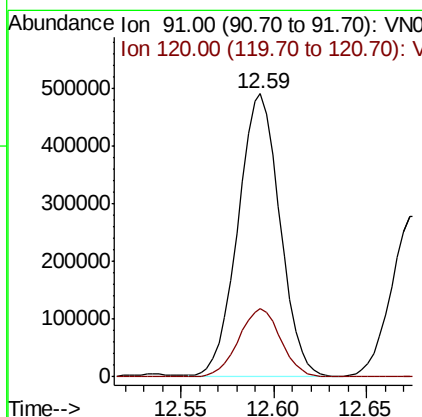
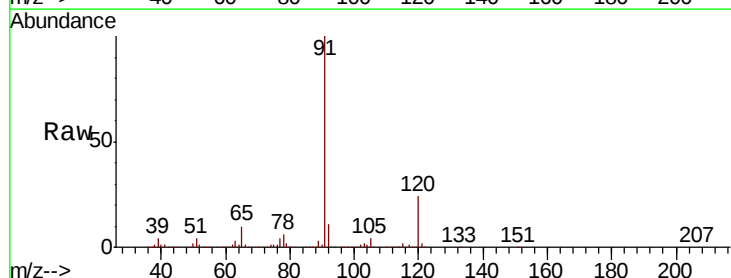
RT: 12.59 min Scan# 3365

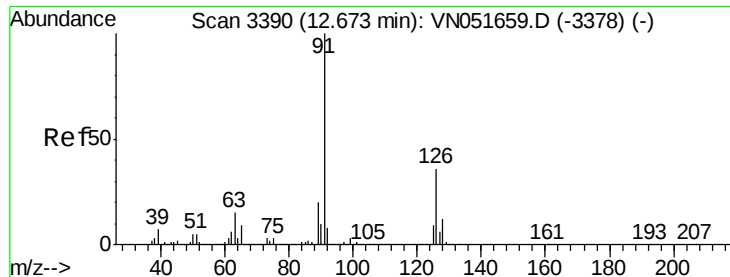
Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		770967		
120	24.4	12.4	37.2		





#79

2-Chlorotoluene

Concen: 19.744 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 91 Resp: 460275

Ion Ratio Lower Upper

91 100

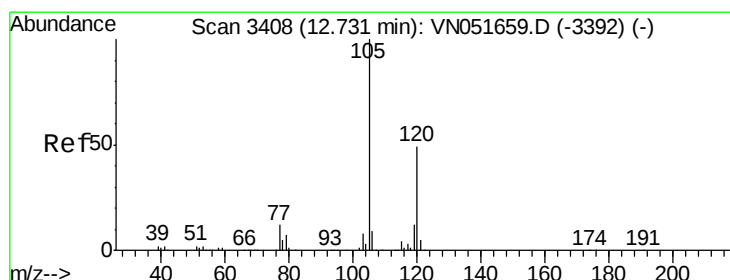
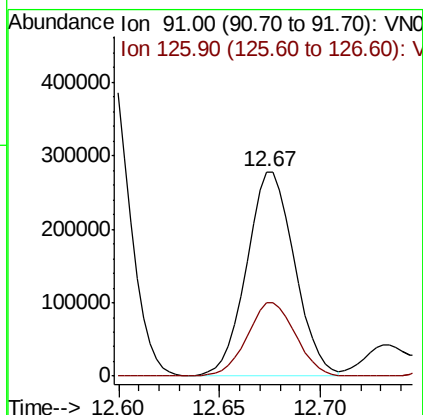
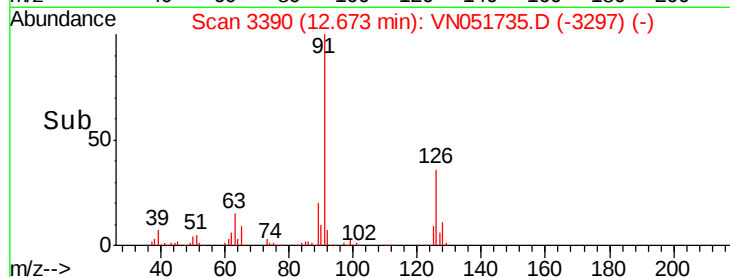
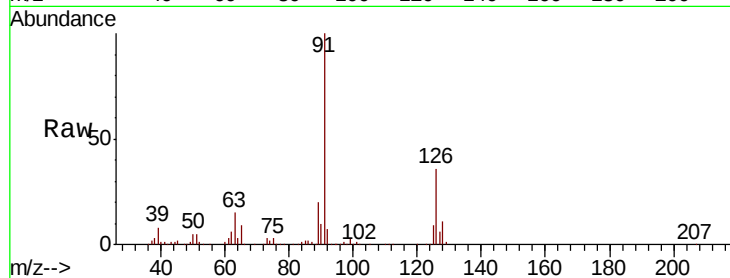
126 36.6 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.661 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051735.D

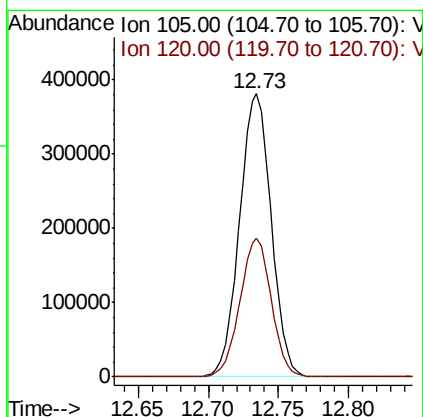
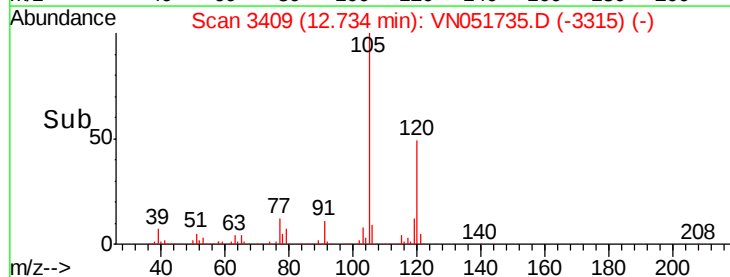
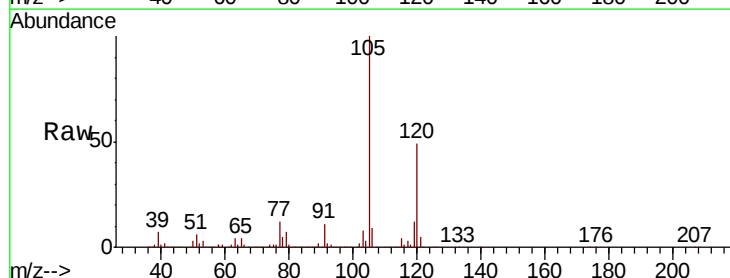
Acq: 8 Oct 2018 14:59

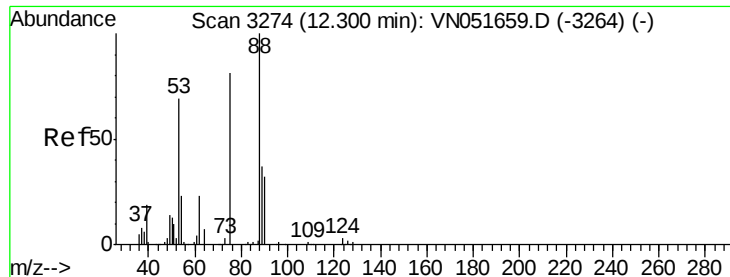
Tgt Ion: 105 Resp: 600907

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.297 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion: 75 Resp: 40032

Ion Ratio Lower Upper

75 100

53 92.3 68.6 102.8

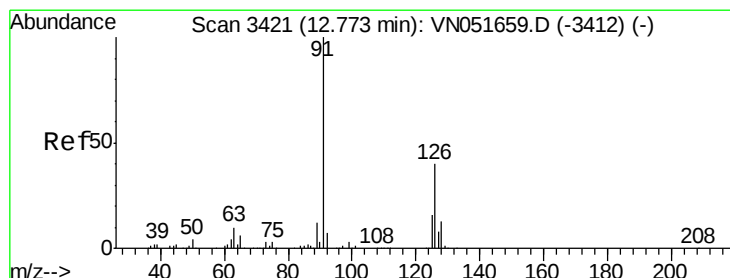
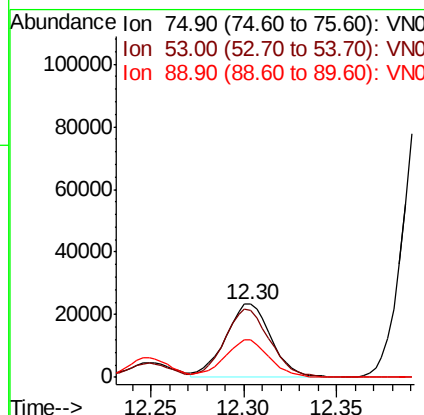
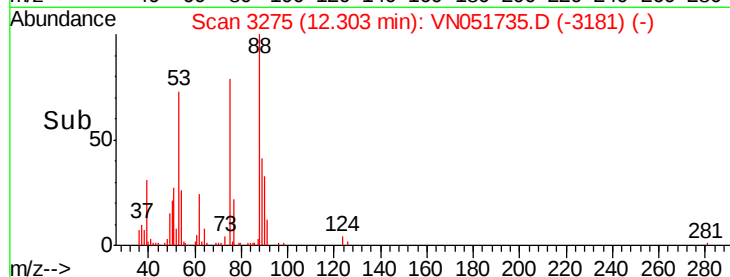
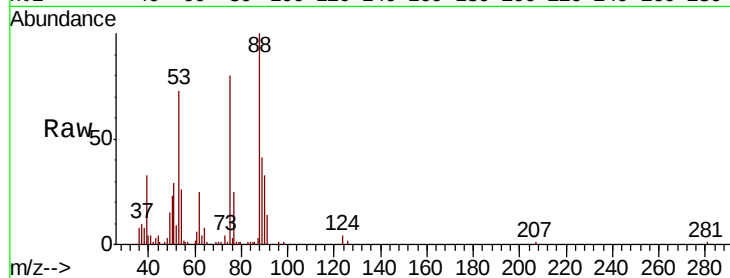
89 50.2 39.4 59.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.929 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051735.D

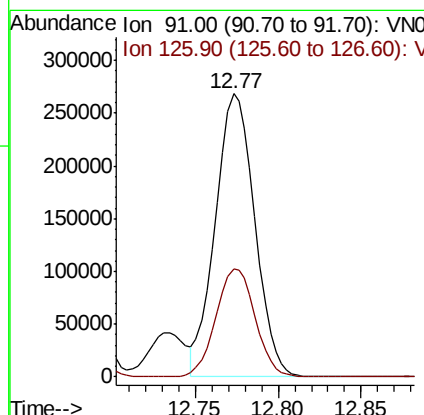
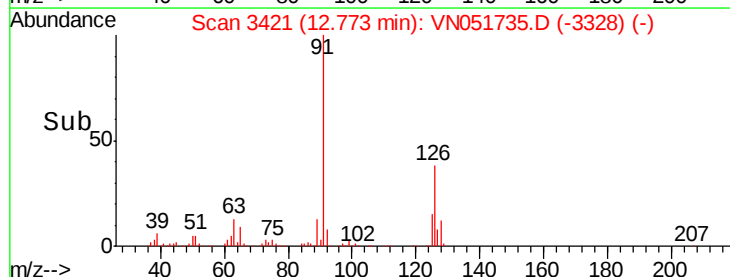
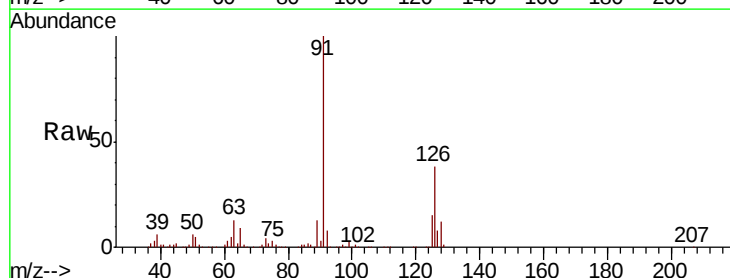
Acq: 8 Oct 2018 14:59

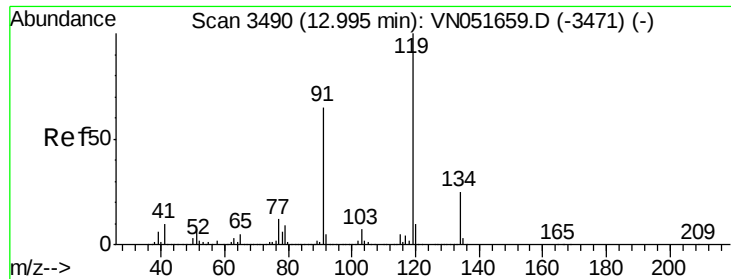
Tgt Ion: 91 Resp: 443301

Ion Ratio Lower Upper

91 100

126 38.1 18.0 54.0





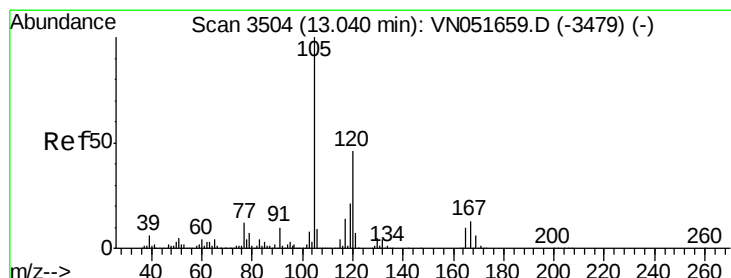
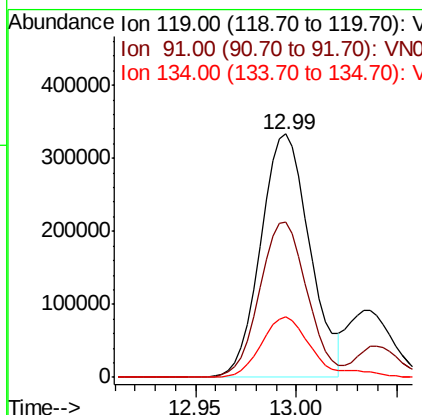
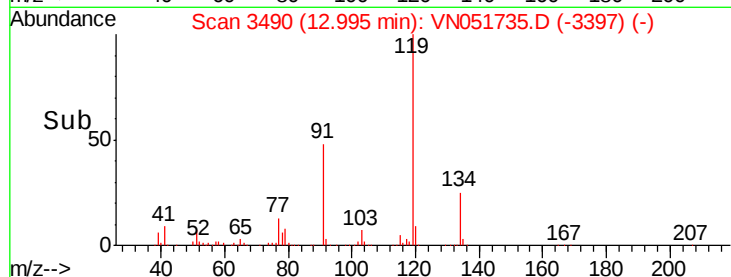
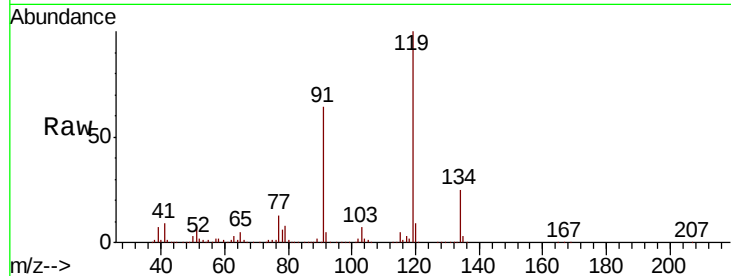
#83
tert-Butylbenzene
Concen: 20.630 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	564965		
91	62.3		32.1	96.5
134	26.1		13.3	39.9

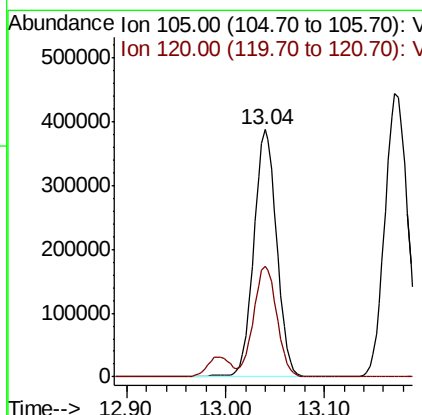
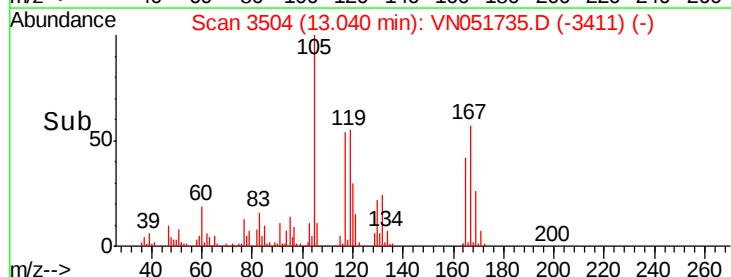
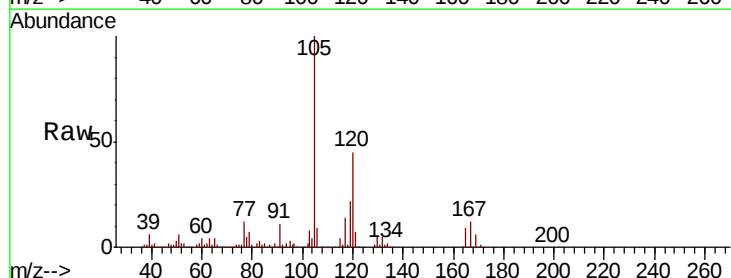
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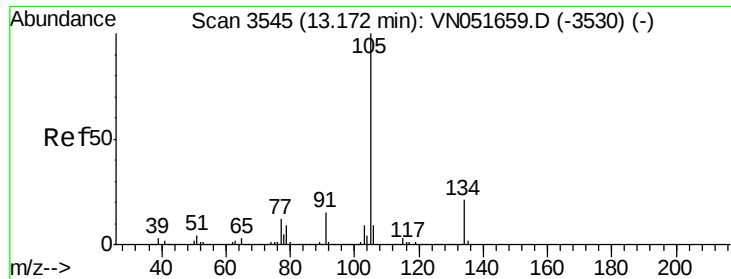
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.153 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	616965		
120	45.8		22.9	68.7





#85

sec-Butylbenzene

Concen: 19.750 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBSD01

Tot Ion:105 Resp: 715457

Ion Ratio Lower Upper

105 100

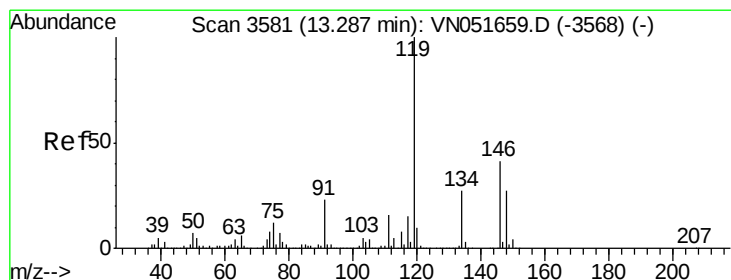
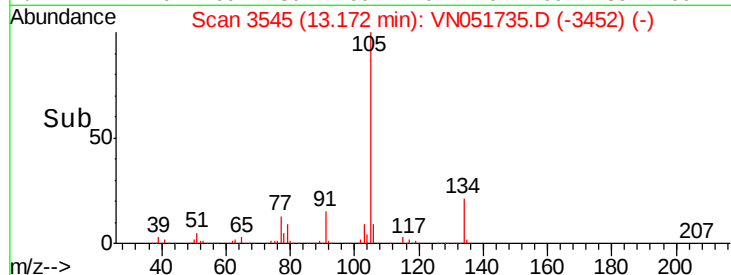
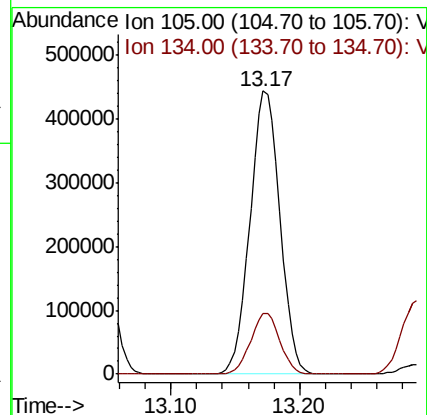
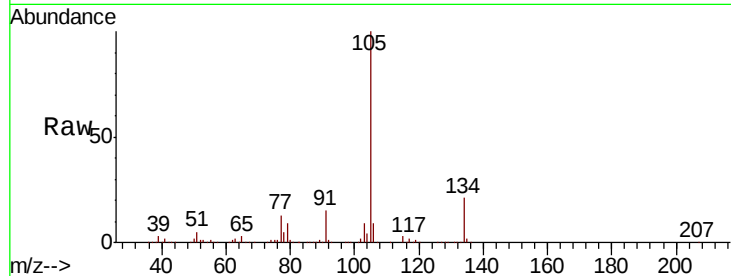
134 21.1 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.792 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

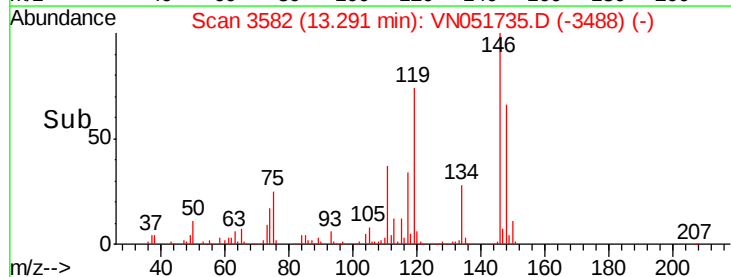
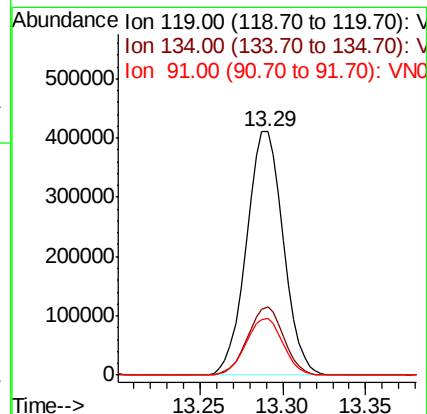
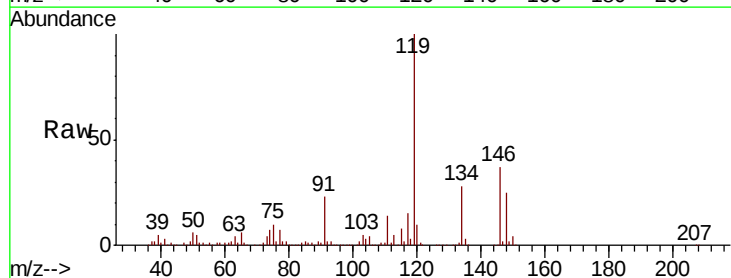
Tgt Ion:119 Resp: 635598

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 23.2 11.7 35.1





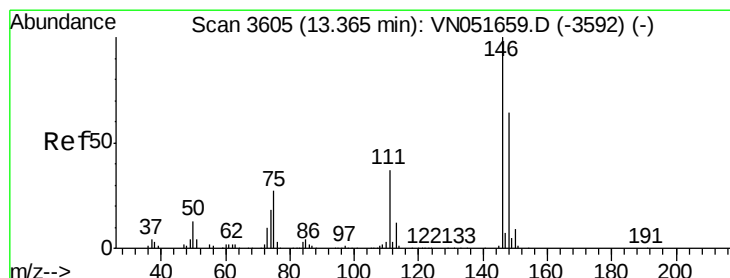
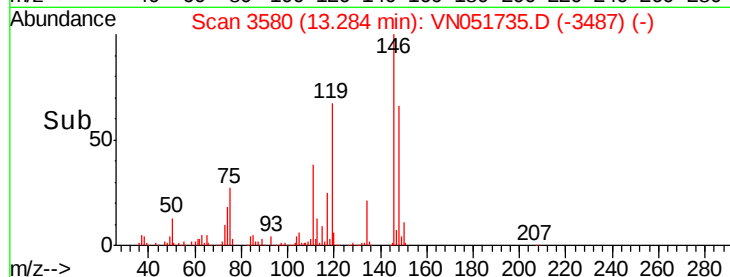
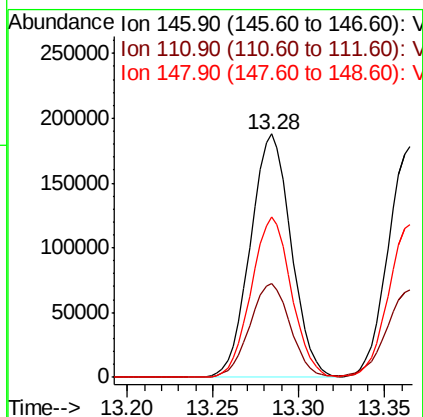
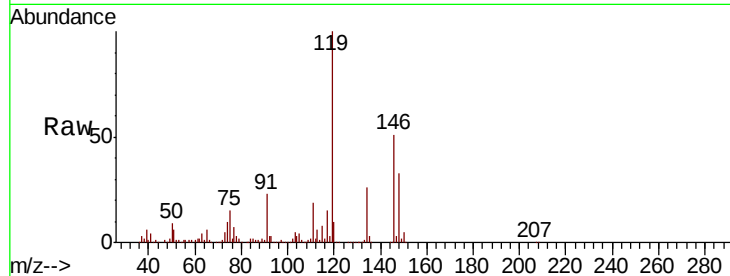
#87
 1,3-Dichlorobenzene
 Concen: 20.016 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	64.8	32.5	97.5

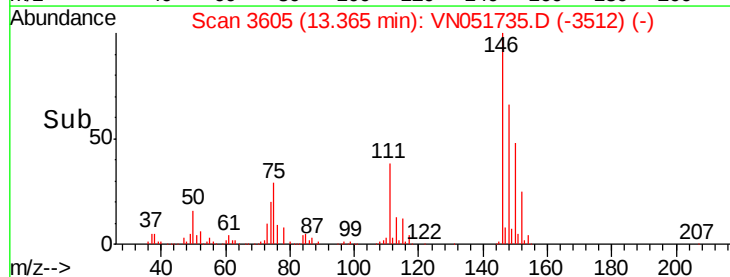
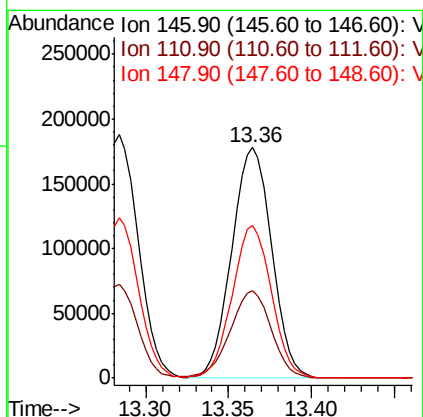
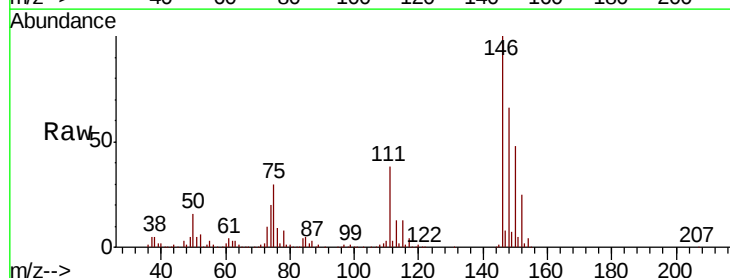
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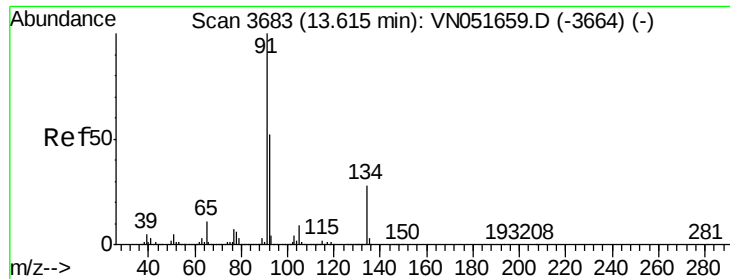
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#88
 1,4-Dichlorobenzene
 Concen: 19.683 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.8	32.3	96.8





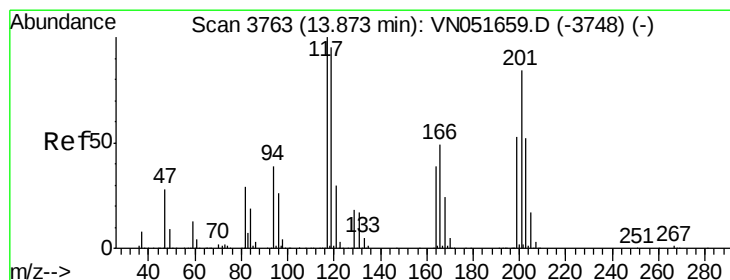
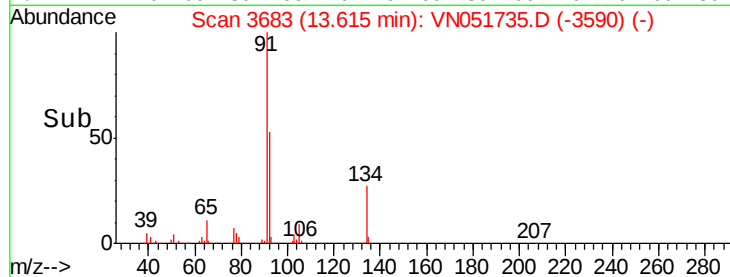
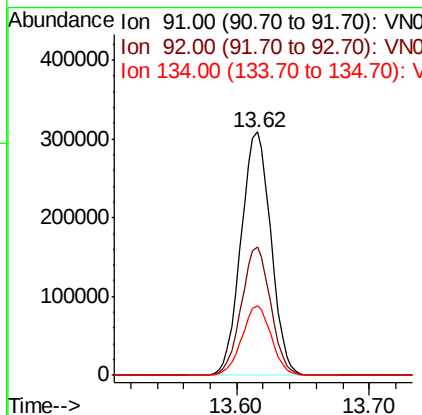
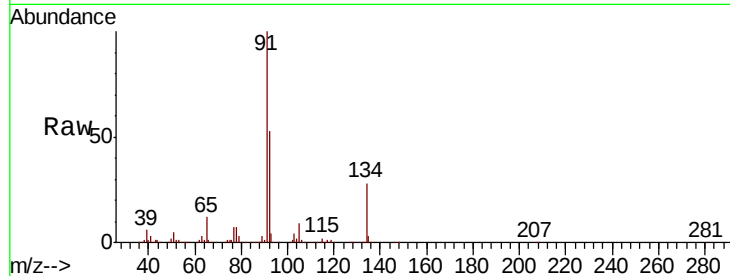
#89
n-Butylbenzene
Concen: 19.060 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	28.1	14.2	42.6

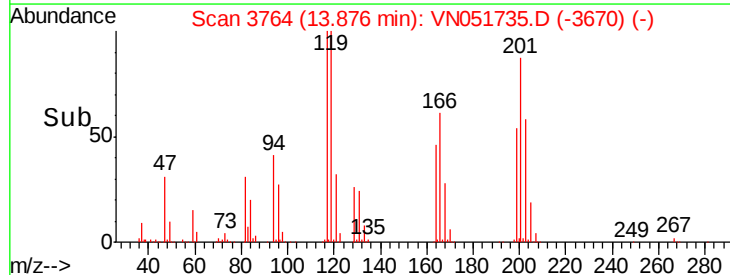
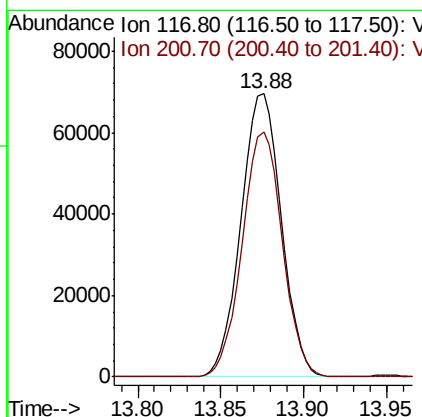
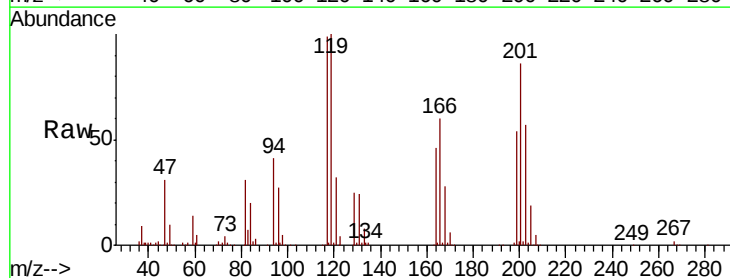
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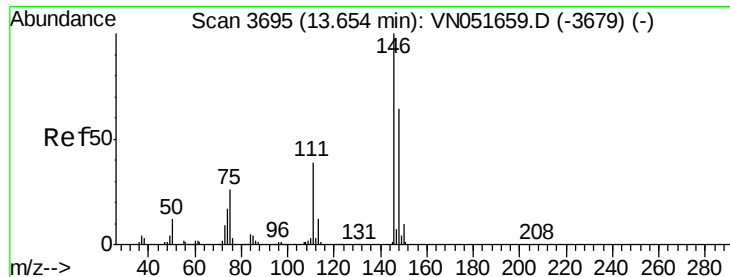
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#90
Hexachloroethane
Concen: 18.438 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 19.947 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Instrument :

MSVOA_N

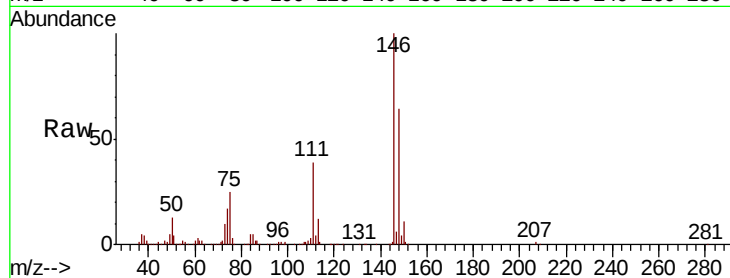
ClientSampleId :

VN1008MBSD01

Tot Ion:	146	Resp:	306394
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.0
148	65.2	32.1	96.3

Manual Integrations
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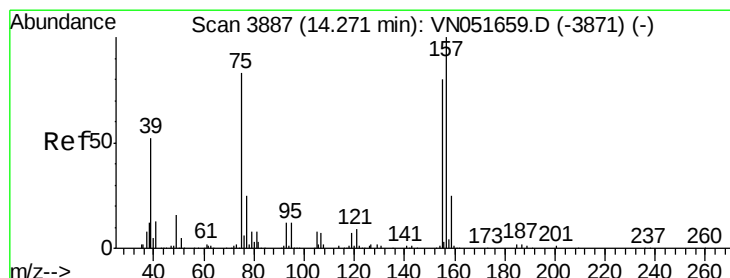
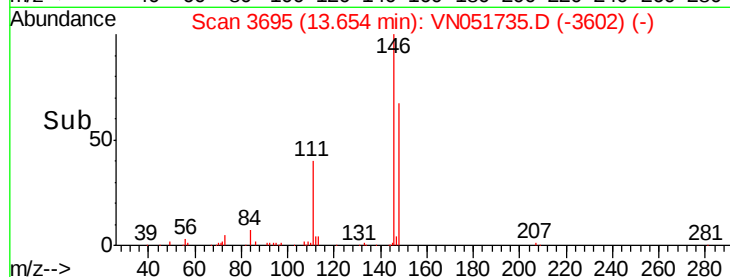
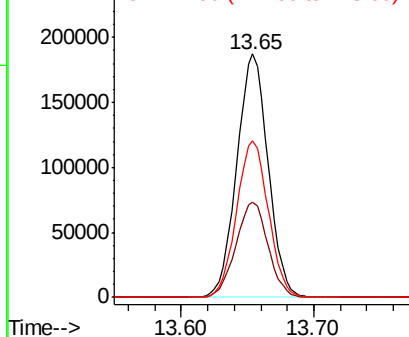


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.134 ug/l

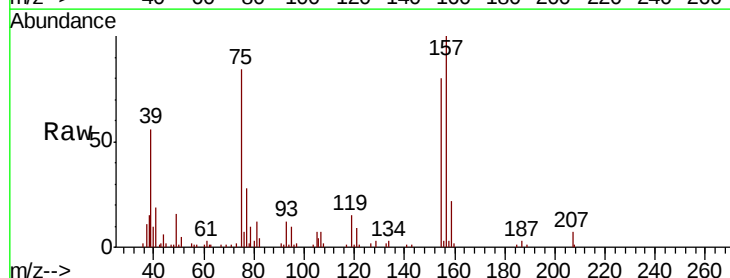
RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051735.D

Acq: 8 Oct 2018 14:59

Tgt Ion:	75	Resp:	26924
Ion Ratio	Lower	Upper	
75	100		
155	95.7	47.6	142.9
157	115.4	61.7	185.1

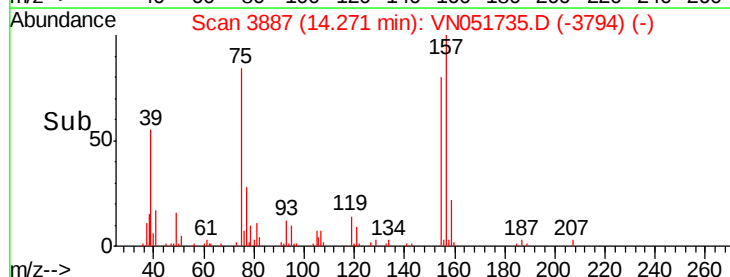
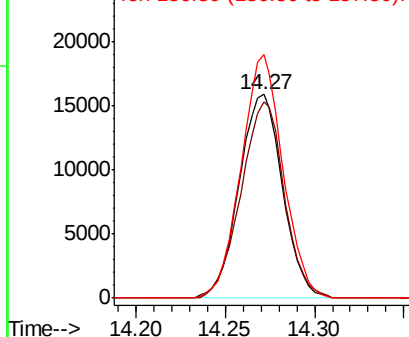


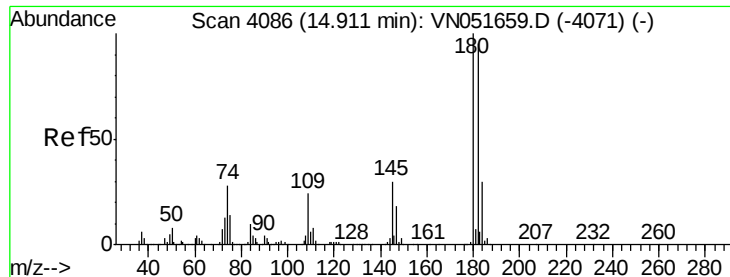
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





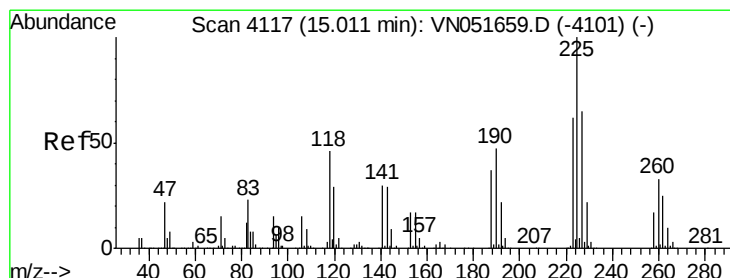
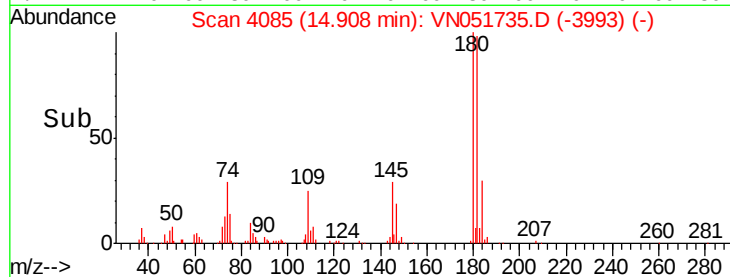
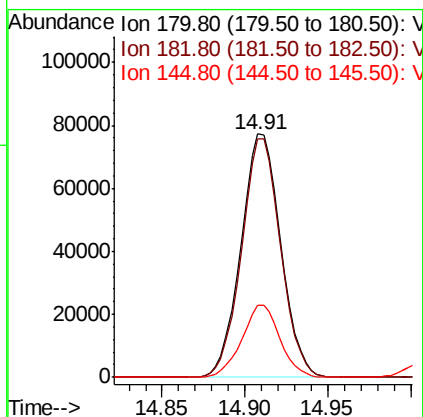
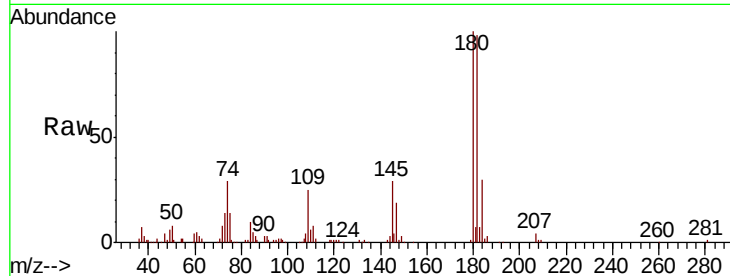
#93
 1,2,4-Trichlorobenzene
 Concen: 18.845 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.7	143.1
145	28.5	15.3	45.9

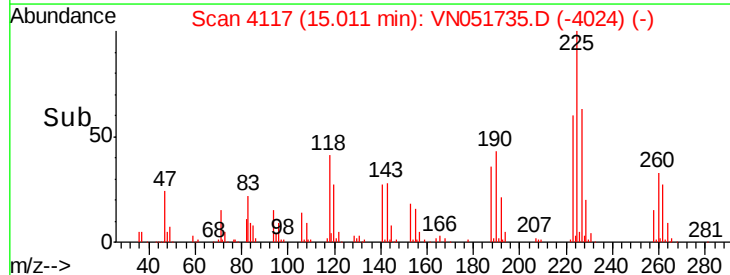
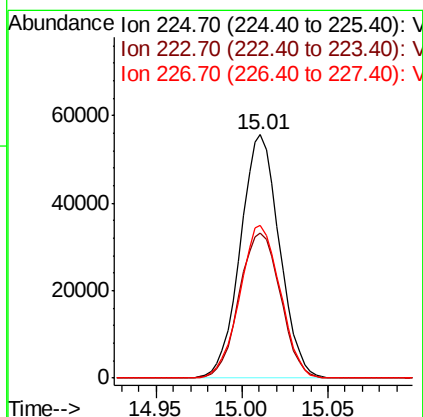
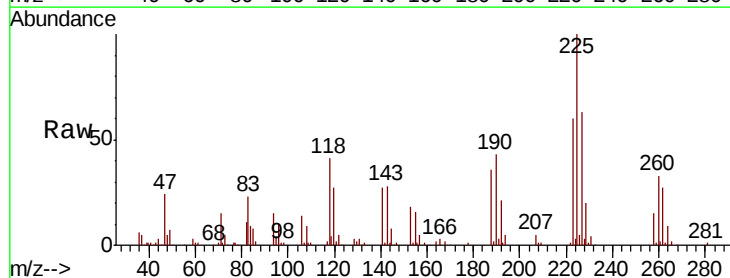
Manual Integrations
 APPROVED

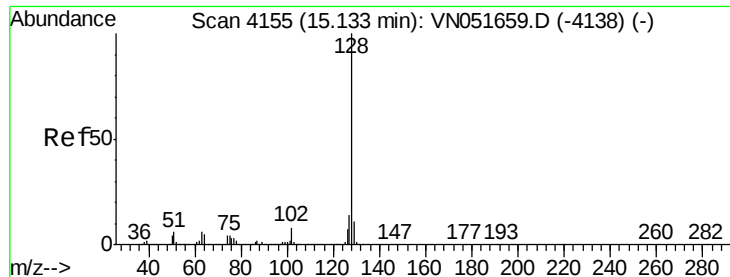
MMDadoda
 10/10/2018 11:48:39 AM



#94
 Hexachlorobutadiene
 Concen: 18.952 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051735.D
 Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	64.8	31.7	95.1





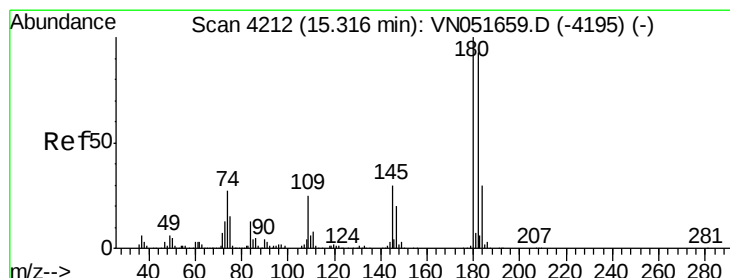
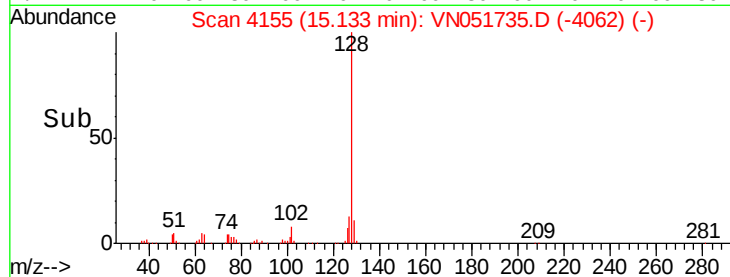
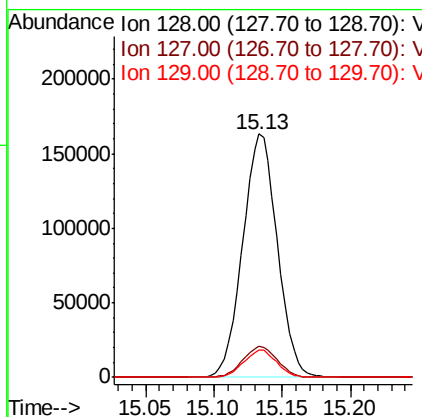
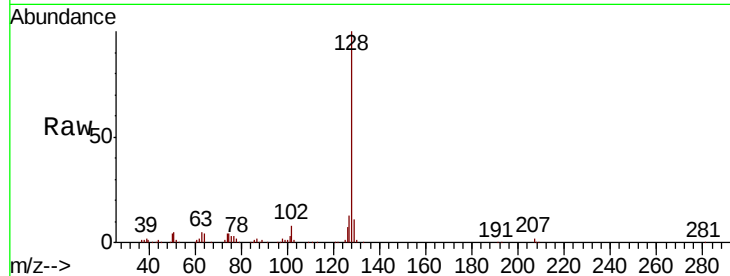
#95
Naphthalene
Concen: 19.466 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	287331		
127	12.6		10.6	15.8
129	10.7		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.003 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051735.D
Acq: 8 Oct 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134652		
182	95.3		47.3	141.8
145	31.3		15.6	46.8

