

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050480.D
 Acq On : 9 Aug 2018 12:58
 Operator : MD\SY
 Sample : VN0809MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:52:40 AM

Quant Time: Aug 10 04:40:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	741730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1089062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1000546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	506320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	471636	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	7.59	113	434408	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.09	98	1608711	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.40	95	543914	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	151509	18.40	ug/l	97
3) Chloromethane	2.06	50	187460	18.34	ug/l	99
4) Vinyl Chloride	2.18	62	203115	19.06	ug/l	99
5) Bromomethane	2.56	94	107613	20.92	ug/l	98
6) Chloroethane	2.70	64	125303	19.08	ug/l	99
7) Trichlorofluoromethane	3.01	101	264685	19.23	ug/l	98
8) Diethyl Ether	3.41	74	95545	18.93	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	164848	19.38	ug/l	99
10) Methyl Iodide	3.95	142	71577	19.10	ug/l	99
11) Tert butyl alcohol	4.80	59	62173	78.10	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	151481	18.89	ug/l	98
13) Acrolein	3.61	56	53405	63.49	ug/l	98
14) Allyl chloride	4.32	41	230281	17.88	ug/l	98
15) Acrylonitrile	4.99	53	284336	85.27	ug/l	100
16) Acetone	3.82	43	257390	86.85	ug/l	98
17) Carbon Disulfide	4.05	76	429101	16.46	ug/l	99
18) Methyl Acetate	4.33	43	141434	18.29	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	428537	18.83	ug/l	100
20) Methylene Chloride	4.55	84	180097	18.96	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	164456	18.95	ug/l	95
22) Diisopropyl ether	5.96	45	509454	19.37	ug/l	97
23) Vinyl Acetate	5.90	43	1715327	91.39	ug/l	100
24) 1,1-Dichloroethane	5.85	63	302273	18.73	ug/l	99
25) 2-Butanone	6.84	43	407490	82.98	ug/l	97
26) 2,2-Dichloropropane	6.83	77	248824	18.70	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	187972	19.54	ug/l	98
28) Bromochloromethane	7.20	49	146016	19.65	ug/l	95
29) Tetrahydrofuran	7.22	42	212804	80.96	ug/l	98
30) Chloroform	7.37	83	314784	19.51	ug/l	98
31) Cyclohexane	7.65	56	264794	18.24	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	263169	18.99	ug/l	98
36) 1,1-Dichloropropene	7.80	75	230228	19.24	ug/l	99
37) Ethyl Acetate	6.94	43	146683	17.02	ug/l	99
38) Carbon Tetrachloride	7.78	117	236618	18.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	241542	18.49	ug/l	98
40) Benzene	8.04	78	707345	19.23	ug/l	100
41) Methacrylonitrile	7.17	41	68828	15.02	ug/l	89
42) 1,2-Dichloroethane	8.13	62	225090	19.27	ug/l	99
43) Isopropyl Acetate	8.17	43	262034	17.61	ug/l	97
44) Trichloroethene	8.84	130	189869	19.21	ug/l	97
45) 1,2-Dichloropropane	9.12	63	185154	19.14	ug/l	98
46) Dibromomethane	9.21	93	111019	18.59	ug/l	96
47) Bromodichloromethane	9.40	83	233780	18.90	ug/l	99
48) Methyl methacrylate	9.20	41	129514	17.37	ug/l	99
49) 1,4-Dioxane	9.20	88	37946	330.18	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	929596	86.77	ug/l	98
52) Toluene	10.16	92	440373	19.93	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	233677	18.81	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	271346	19.57	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	163415	18.94	ug/l	99
56) Ethyl methacrylate	10.43	69	202537	17.73	ug/l	96
57) 1,3-Dichloropropane	10.71	76	269386	19.02	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	470783	87.68	ug/l	99
59) 2-Hexanone	10.75	43	627797	83.97	ug/l	99
60) Dibromochloromethane	10.90	129	179811	18.92	ug/l	99
61) 1,2-Dibromoethane	11.01	107	160912	18.92	ug/l	99
64) Tetrachloroethene	10.63	164	183687	19.65	ug/l	98
65) Chlorobenzene	11.44	112	483441	19.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	178219	19.52	ug/l	100
67) Ethyl Benzene	11.51	91	807244	19.91	ug/l	100
68) m/p-Xylenes	11.62	106	634687	41.12	ug/l	99
69) o-Xylene	11.95	106	300242	20.19	ug/l	99
70) Styrene	11.97	104	488137	20.19	ug/l	99
71) Bromoform	12.13	173	125540	18.82	ug/l #	99
73) Isopropylbenzene	12.25	105	797843	20.99	ug/l	100
74) N-amyl acetate	12.07	43	221354	17.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208149	18.98	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	173166m	18.89	ug/l	
77) Bromobenzene	12.53	156	211899	20.81	ug/l	97
78) n-propylbenzene	12.59	91	889555	20.68	ug/l	100
79) 2-Chlorotoluene	12.68	91	547176	20.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	655187	21.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47114	18.06	ug/l	97
82) 4-Chlorotoluene	12.77	91	551496	20.81	ug/l	98
83) tert-Butylbenzene	12.99	119	560103	20.81	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	669140	21.41	ug/l	99
85) sec-Butylbenzene	13.17	105	728412	20.31	ug/l	99
86) p-Isopropyltoluene	13.29	119	628311	20.44	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	359765	19.84	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	349563	19.30	ug/l	98
89) n-Butylbenzene	13.62	91	484961	18.53	ug/l	100
90) Hexachloroethane	13.88	117	102929	18.83	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352554	19.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28847	15.49	ug/l	93

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QLast Update : Tue Aug 07 05:22:15 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163598	17.67	ug/l	100
94) Hexachlorobutadiene	15.01	225	104244	19.61	ug/l	100
95) Naphthalene	15.14	128	340245	16.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	159414	17.03	ug/l	98

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

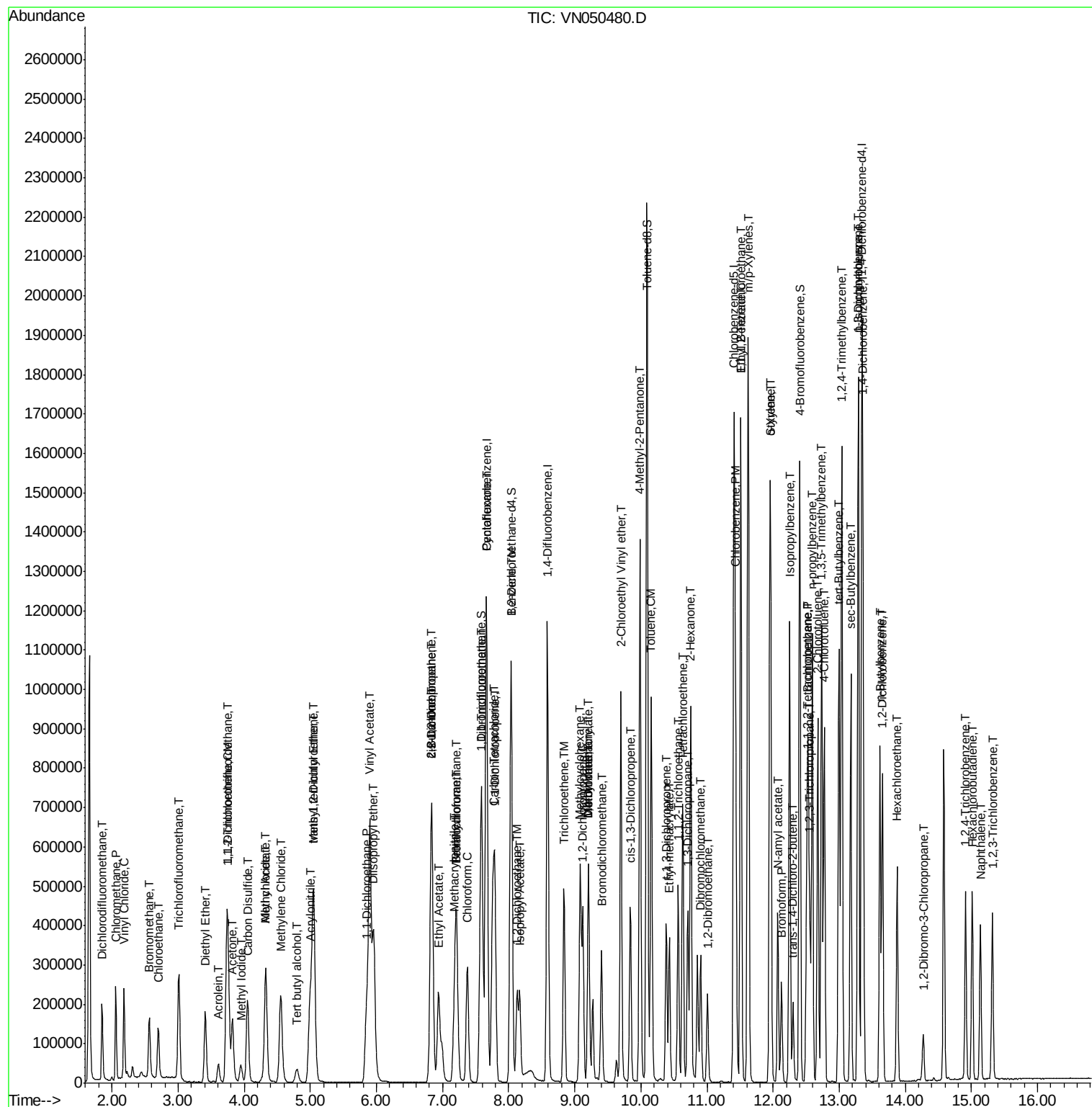
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
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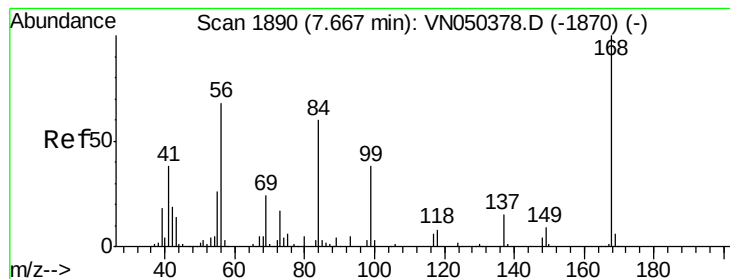
Instrument :
 MSVOA_N
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 VN0809MBS01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion:168 Resp: 741730

Ion Ratio Lower Upper

168 100

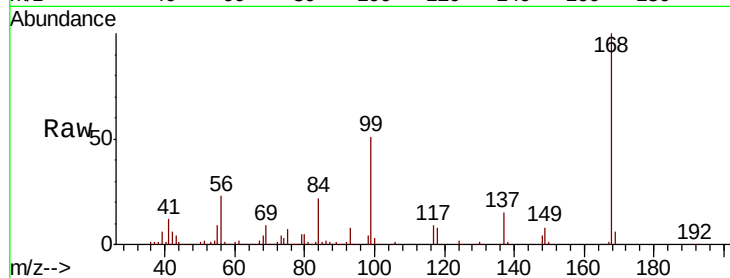
99 50.3 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:52:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

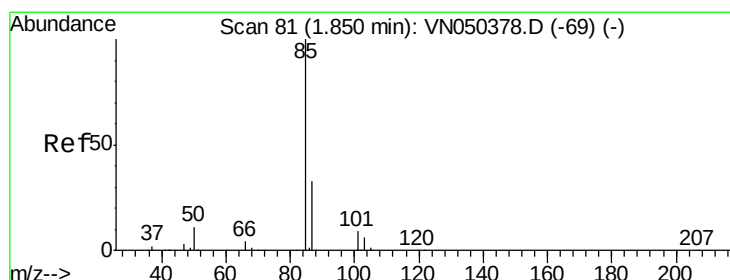
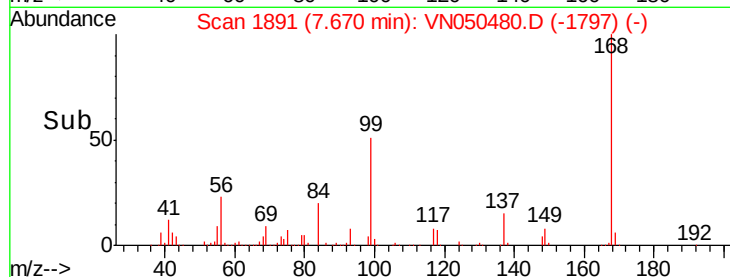
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.40 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050480.D

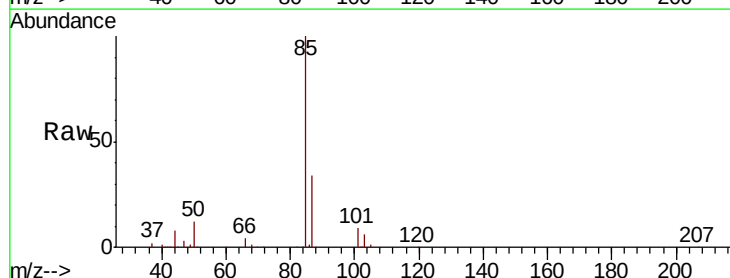
Acq: 9 Aug 2018 12:58

Tgt Ion: 85 Resp: 151509

Ion Ratio Lower Upper

85 100

87 34.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

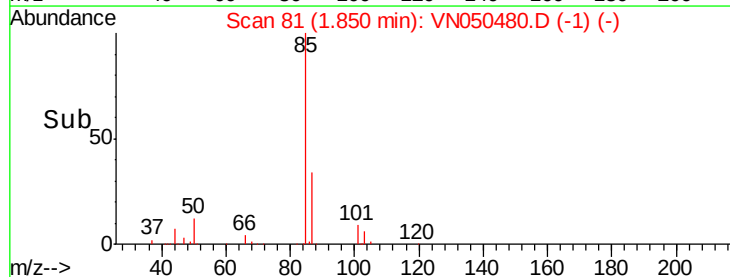
60000

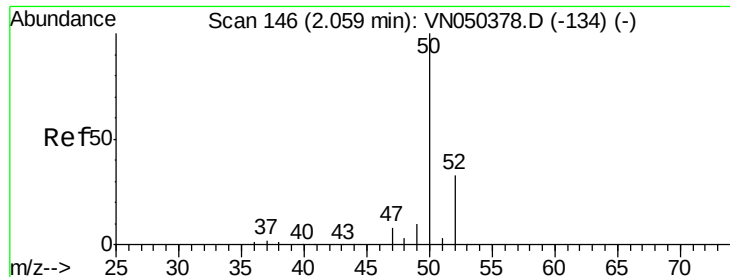
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.34 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 50 Resp: 187460

Ion Ratio Lower Upper

50 100

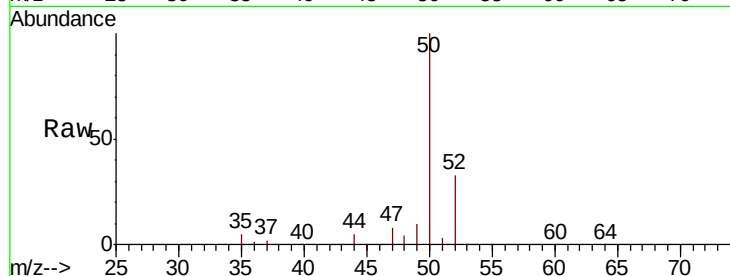
52 32.7 25.9 38.9

Manual Integrations

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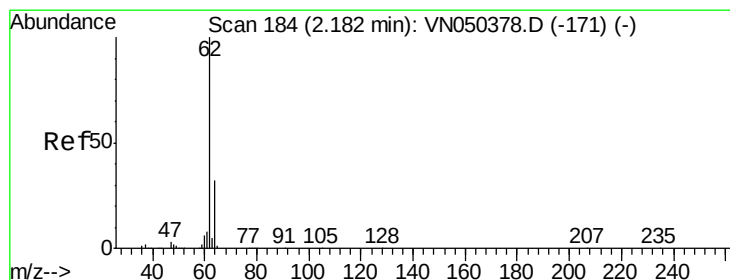
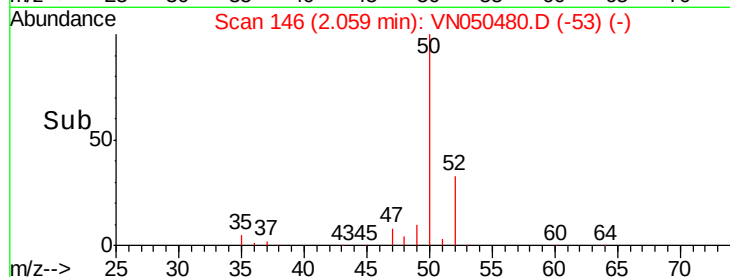
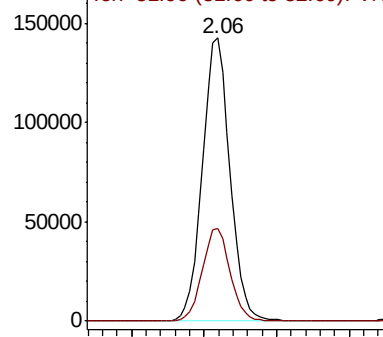
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.06 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050480.D

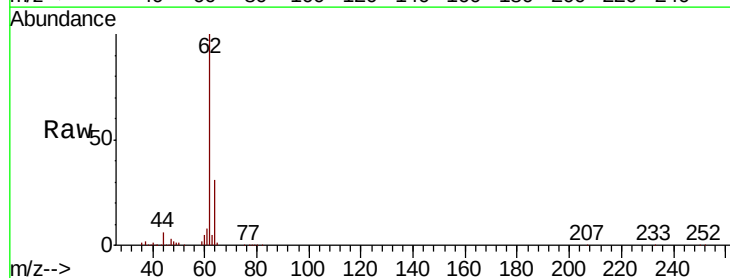
Acq: 9 Aug 2018 12:58

Tgt Ion: 62 Resp: 203115

Ion Ratio Lower Upper

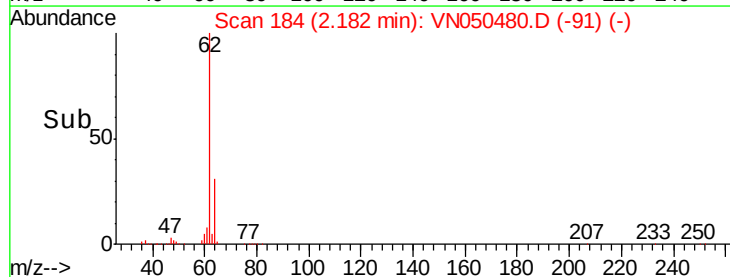
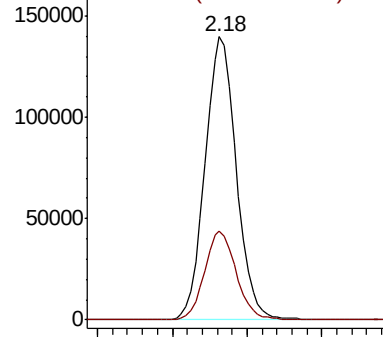
62 100

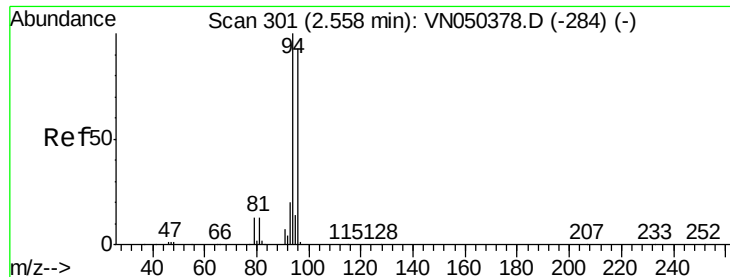
64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.92 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 94 Resp: 107613

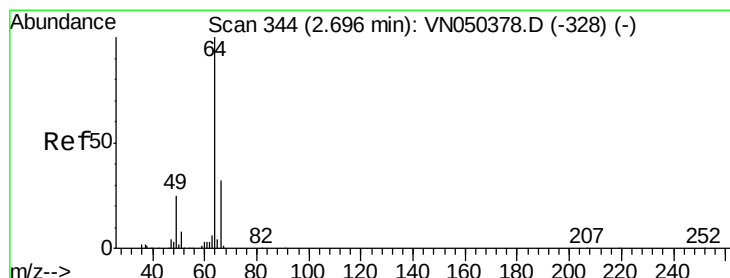
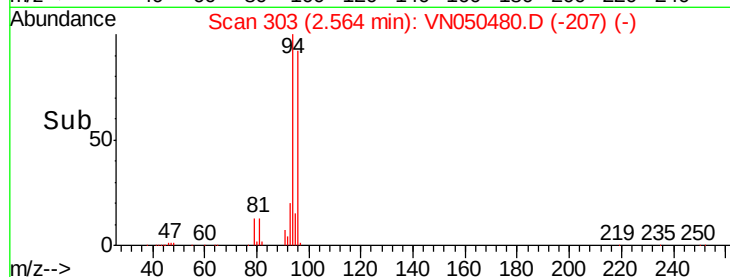
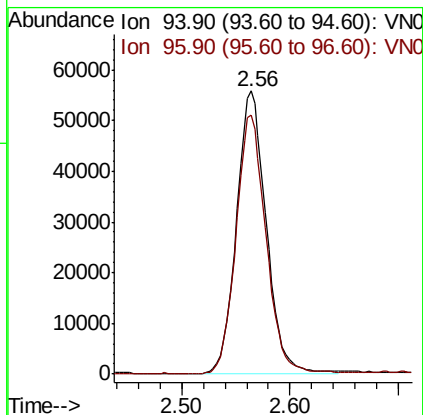
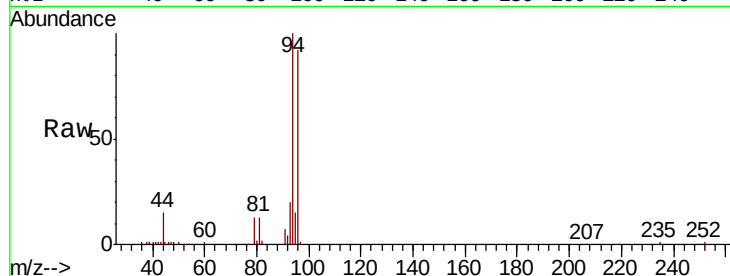
Ion Ratio Lower Upper

94 100

96 91.4 74.6 112.0

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#6

Chloroethane

Concen: 19.08 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050480.D

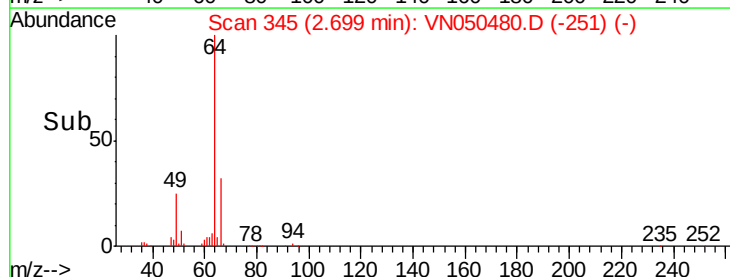
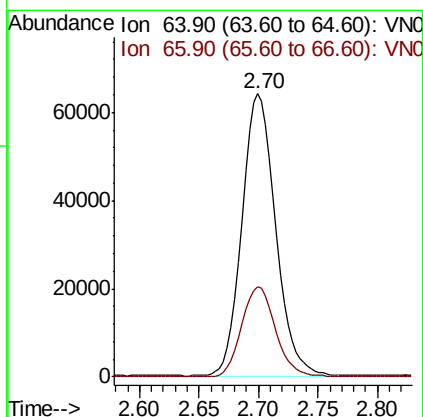
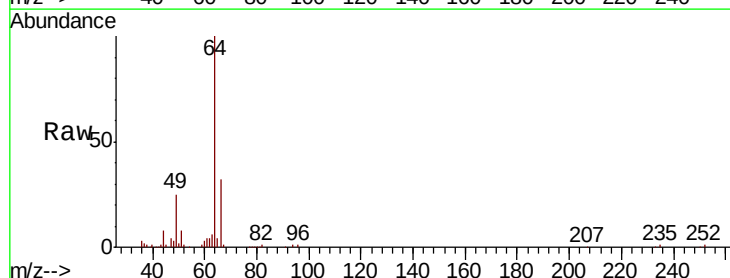
Acq: 9 Aug 2018 12:58

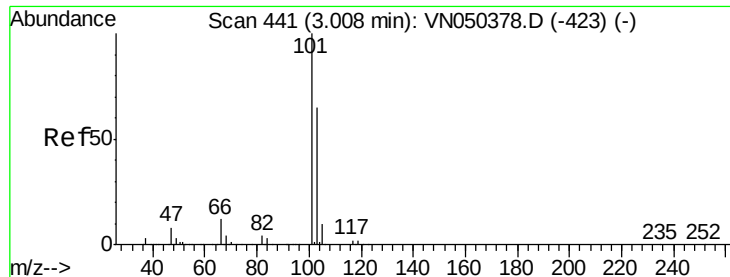
Tgt Ion: 64 Resp: 125303

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

Trichlorofluoromethane

Concen: 19.23 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

VN0809MBS01

Tot Ion:101 Resp: 264685

Ion Ratio Lower Upper

101 100

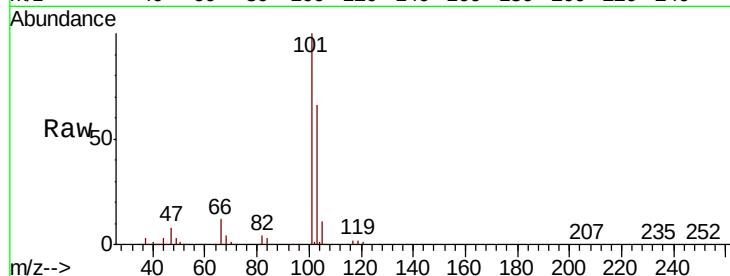
103 65.9 51.7 77.5

Manual Integrations

APPROVED

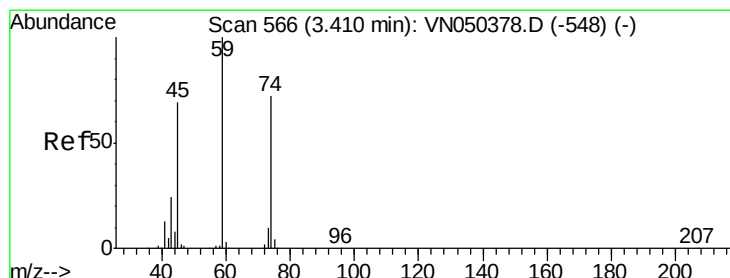
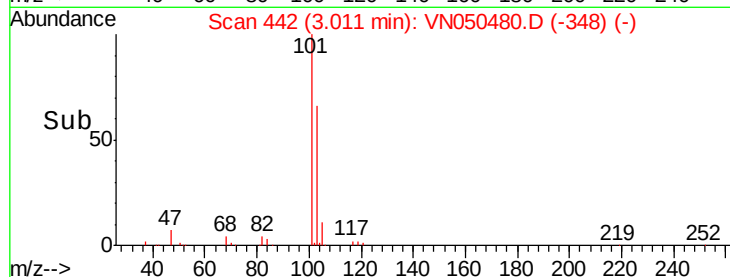
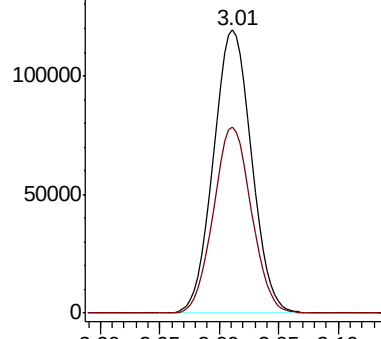
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8/10/2018 10:52:40 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.93 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050480.D

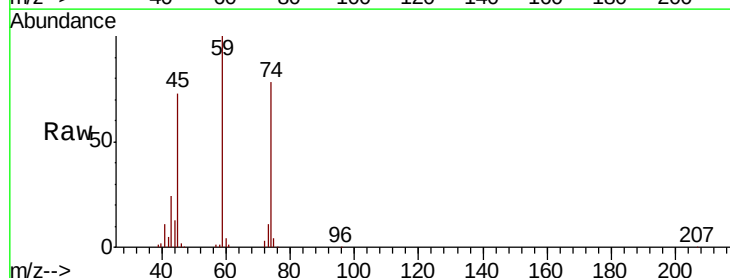
Acq: 9 Aug 2018 12:58

Tgt Ion: 74 Resp: 95545

Ion Ratio Lower Upper

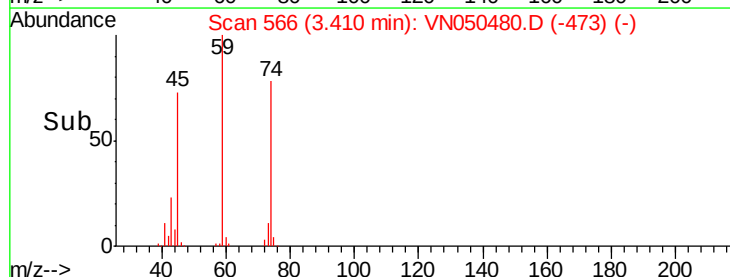
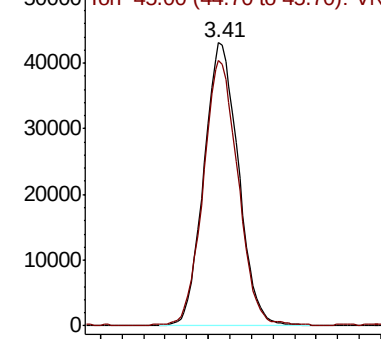
74 100

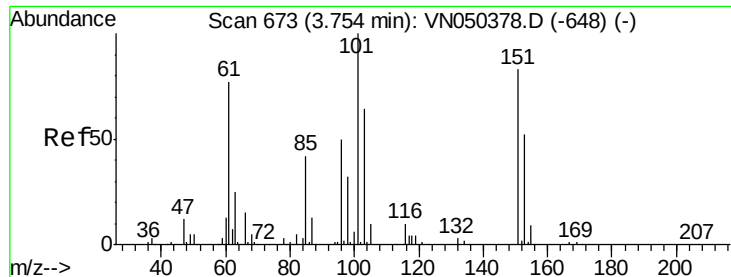
45 94.8 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.38 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

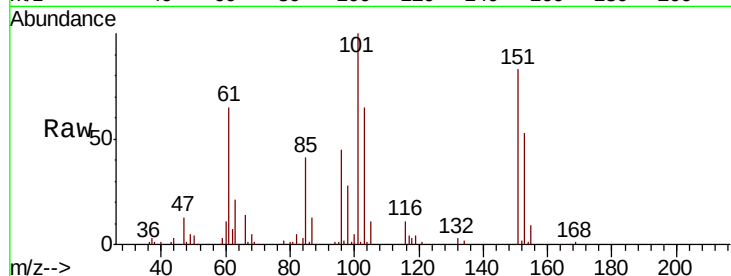
ClientSampled :

VN0809MBS01

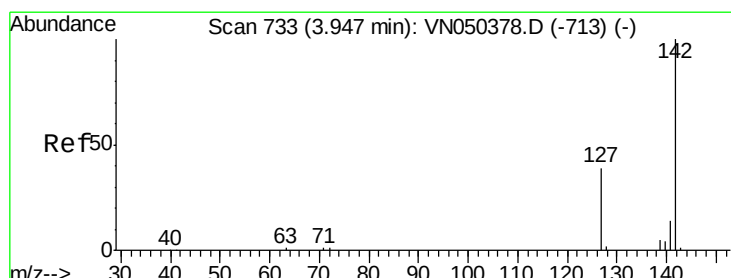
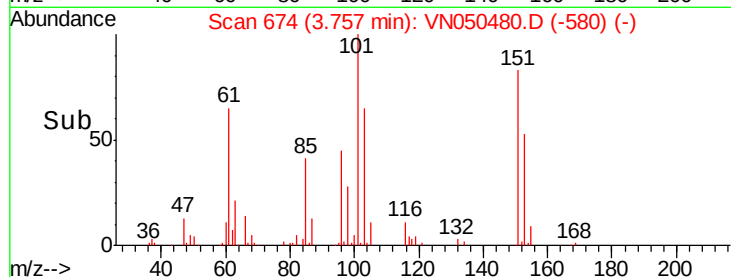
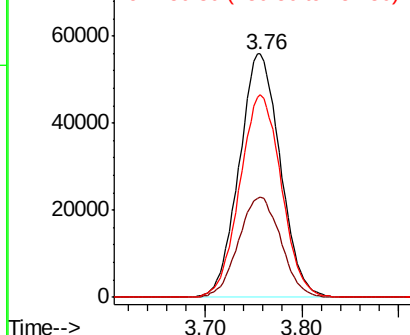
Tot Ion:	101	Resp:	164848
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	84.2	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.10 ug/l

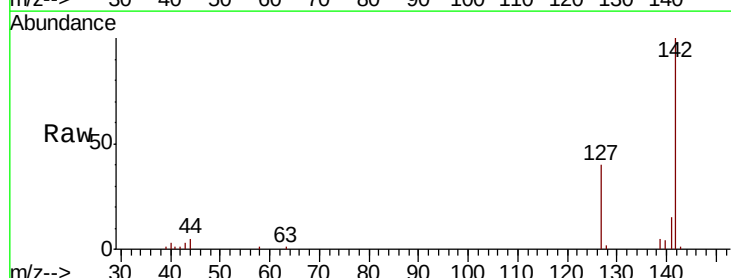
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

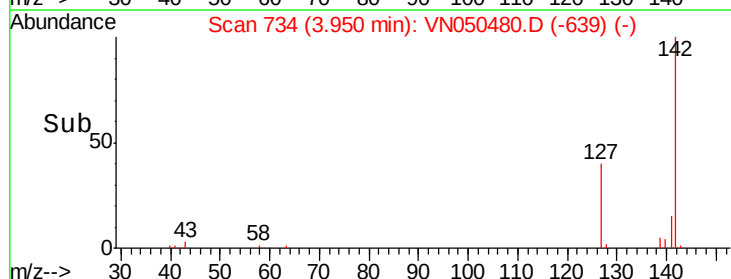
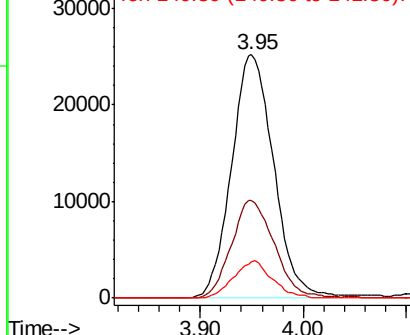
Lab File: VN050480.D

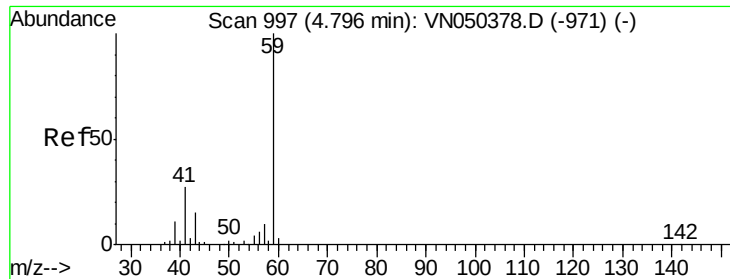
Acq: 9 Aug 2018 12:58

Tgt Ion:	142	Resp:	71577
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.0	11.6	17.4



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





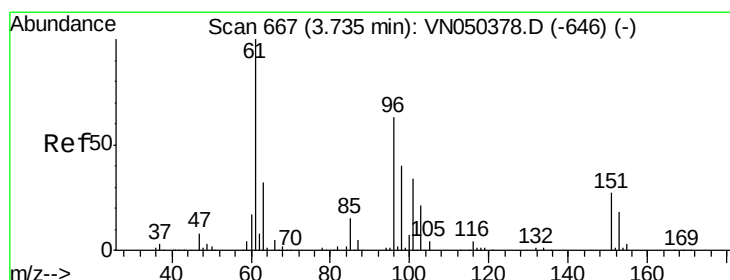
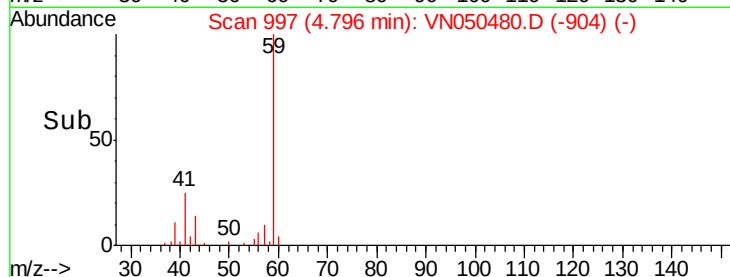
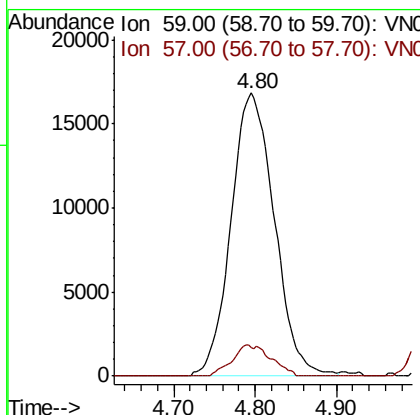
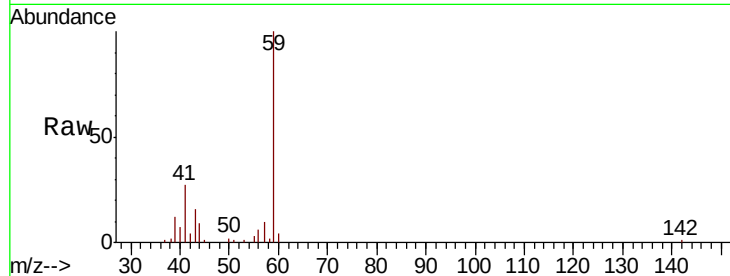
#11
Tert butyl alcohol
Concen: 78.10 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.5	12.7#

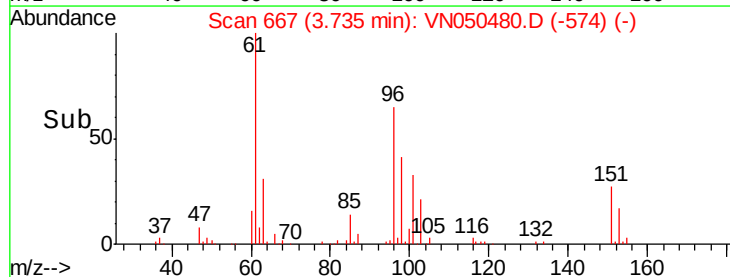
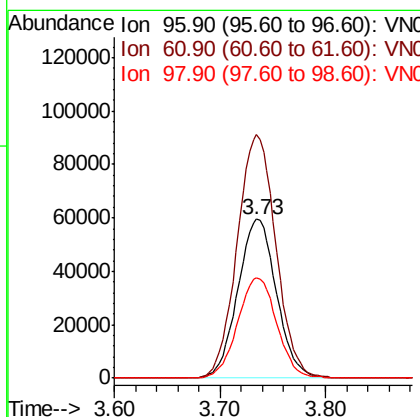
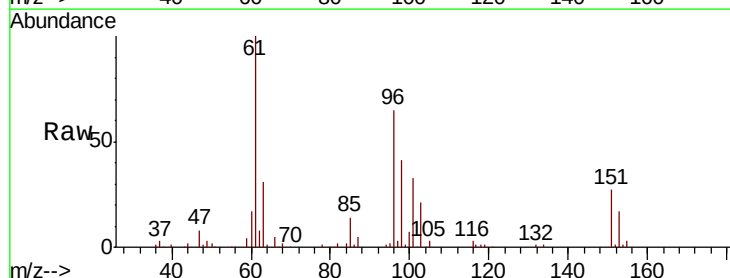
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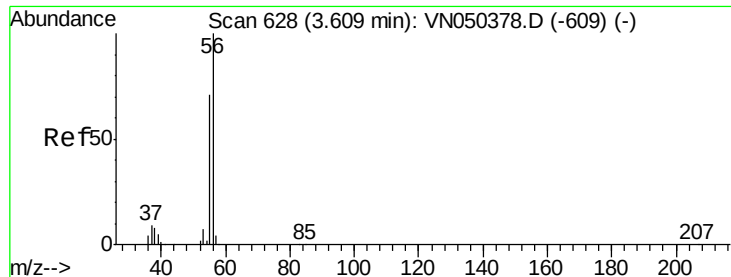
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#12
1,1-Dichloroethene
Concen: 18.89 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	124.4	186.6
98	63.5	48.3	72.5





#13

Acrolein

Concen: 63.49 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 56 Resp: 53405

Ion Ratio Lower Upper

56 100

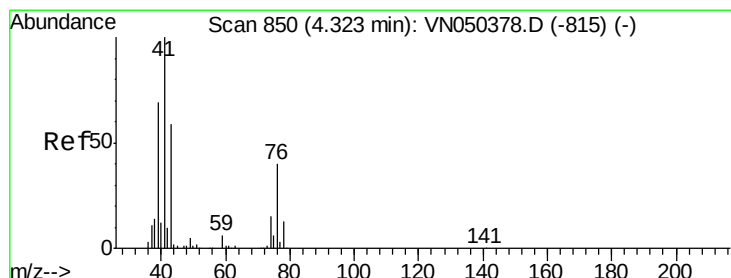
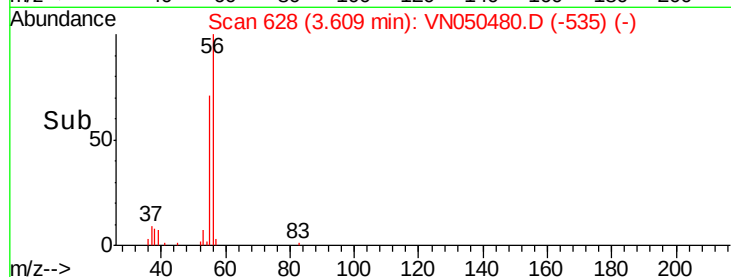
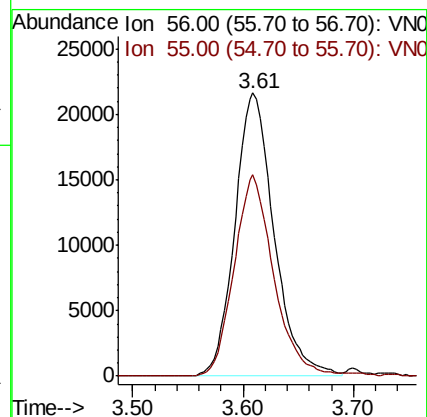
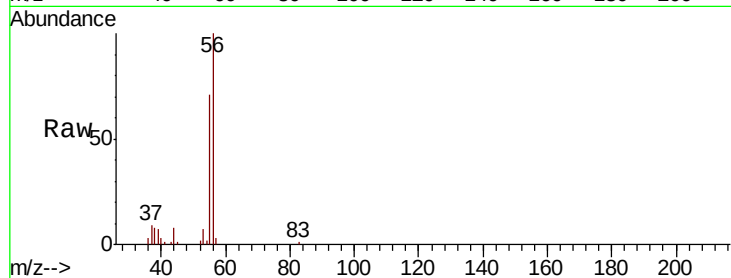
55 71.6 55.8 83.6

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#14

Allyl chloride

Concen: 17.88 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

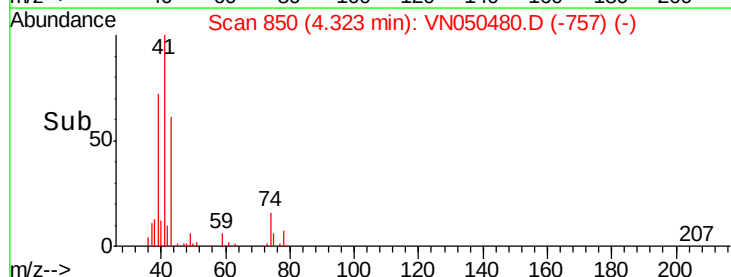
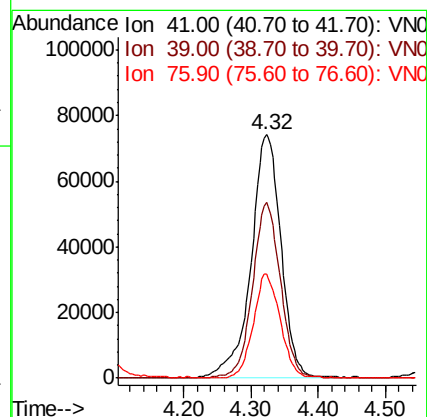
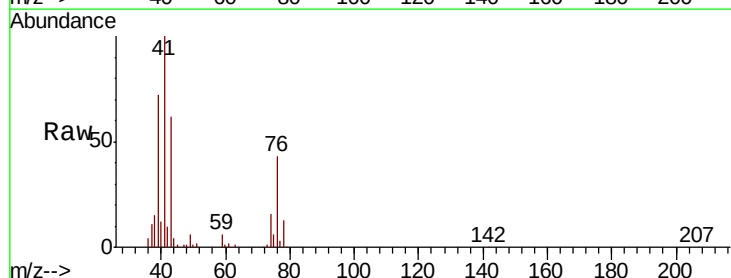
Tgt Ion: 41 Resp: 230281

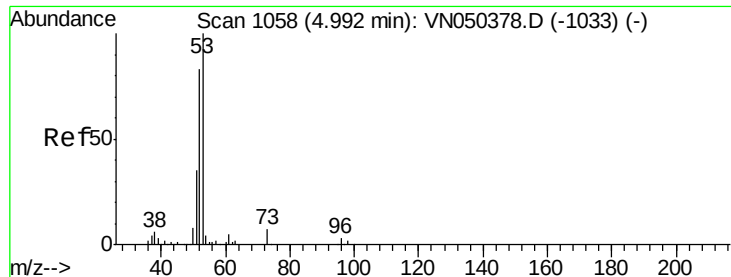
Ion Ratio Lower Upper

41 100

39 67.0 54.2 81.4

76 38.3 29.0 43.6





#15

Acrylonitrile

Concen: 85.27 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

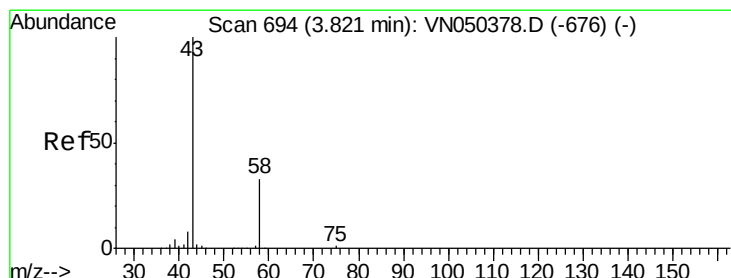
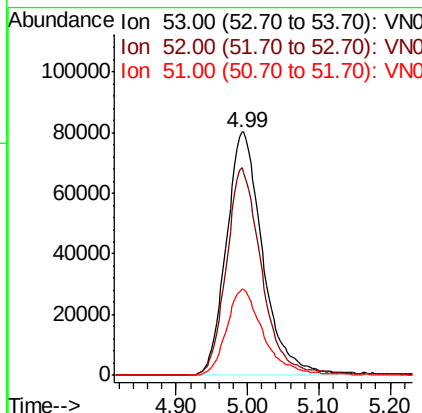
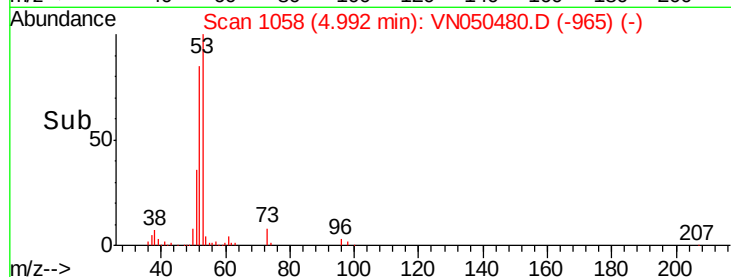
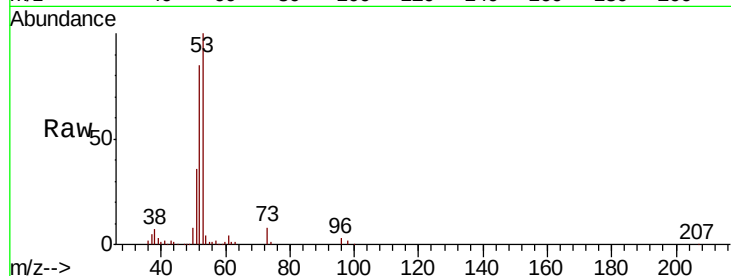
ClientSampleId :

VN0809MBS01

Tot Ion:	53	Resp:	284336
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.1	29.3	43.9

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#16

Acetone

Concen: 86.85 ug/l

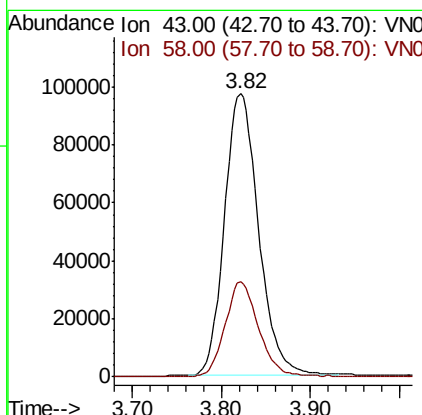
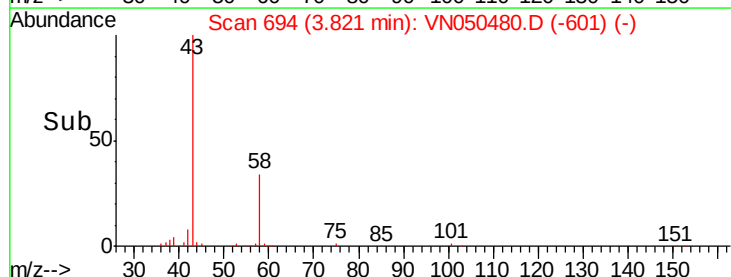
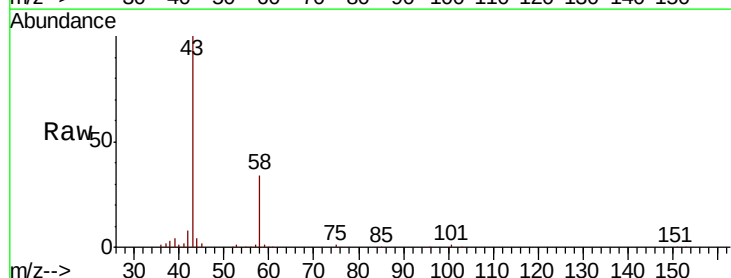
RT: 3.82 min Scan# 694

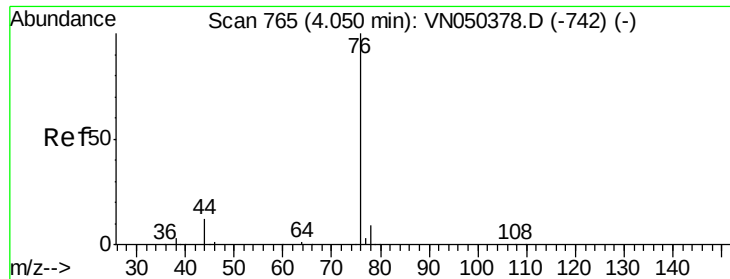
Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion:	43	Resp:	257390
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.8	38.8





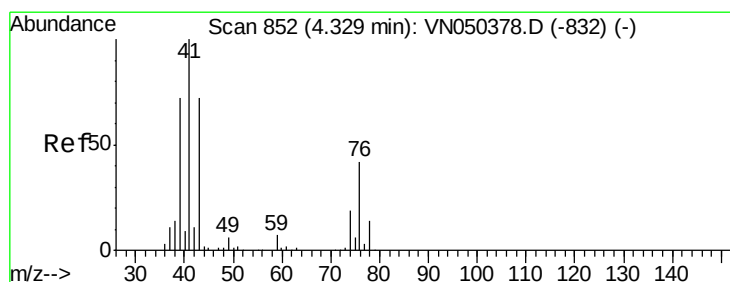
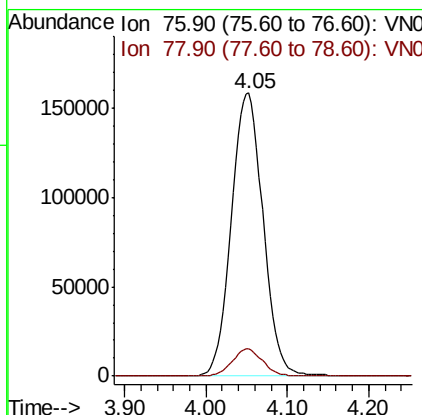
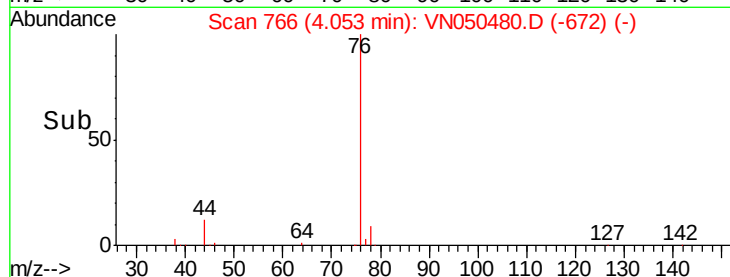
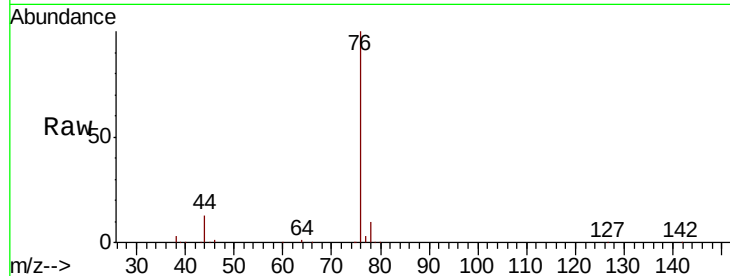
#17
Carbon Disulfide
Concen: 16.46 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

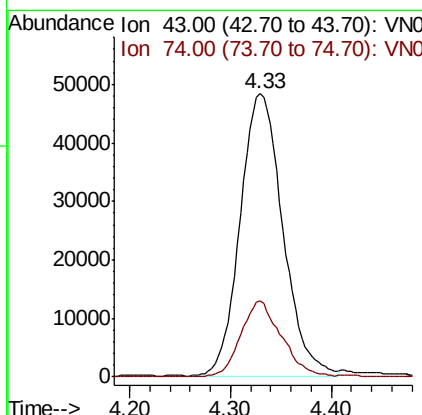
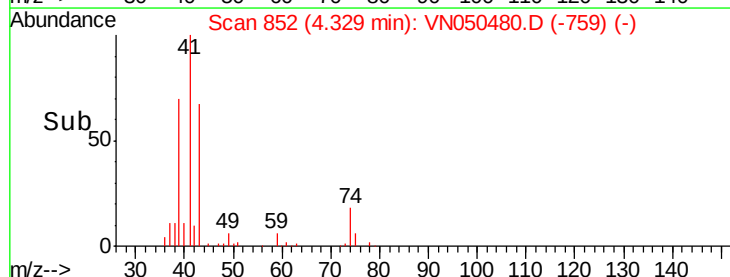
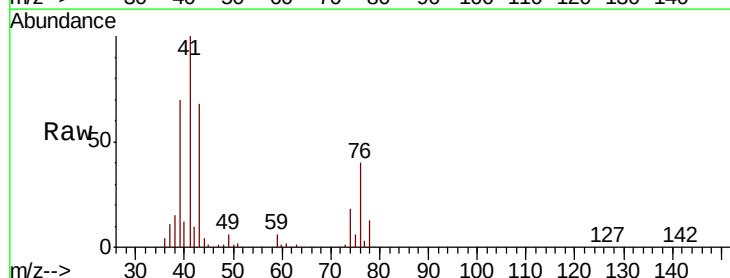
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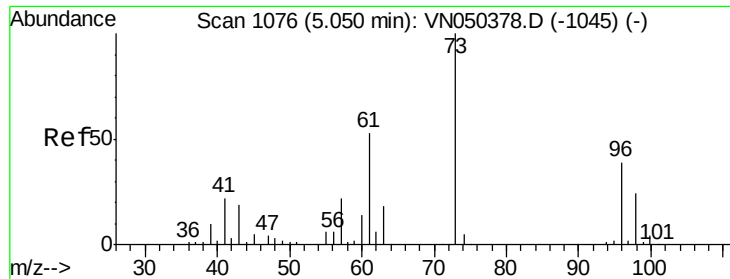
MMDadoda
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#18
Methyl Acetate
Concen: 18.29 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.2	28.8





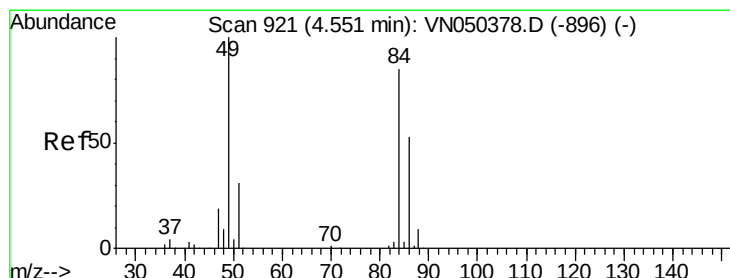
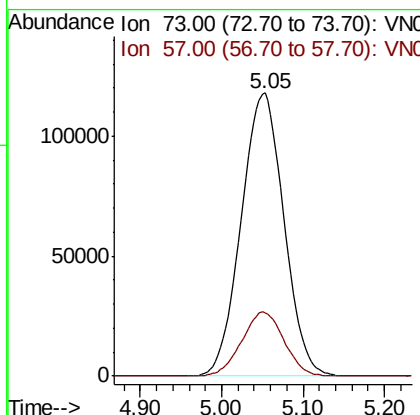
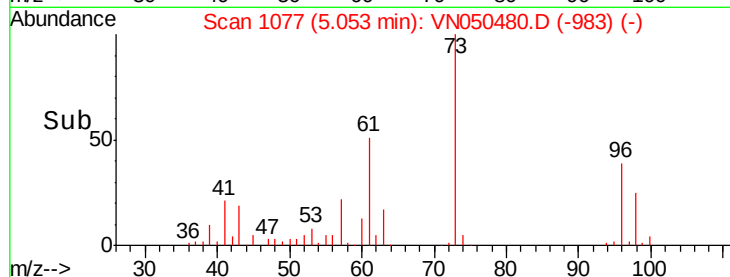
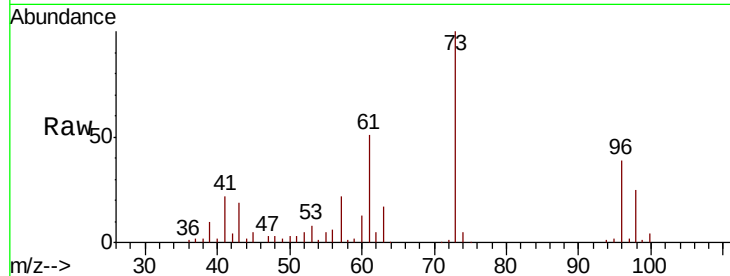
#19
Methvl tert-butvl Ether
Concen: 18.83 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion: 73 Resp: 428537
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

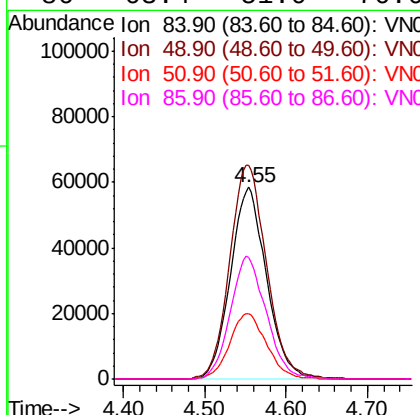
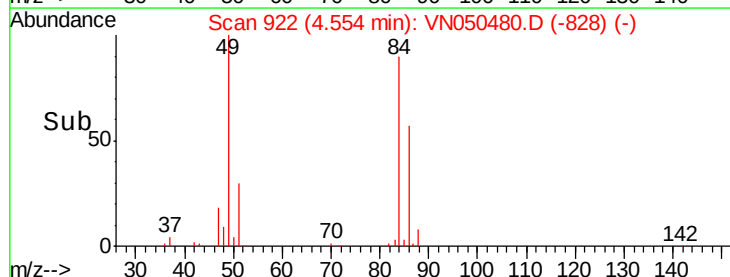
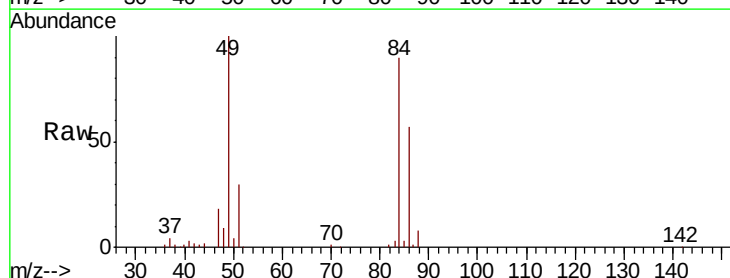
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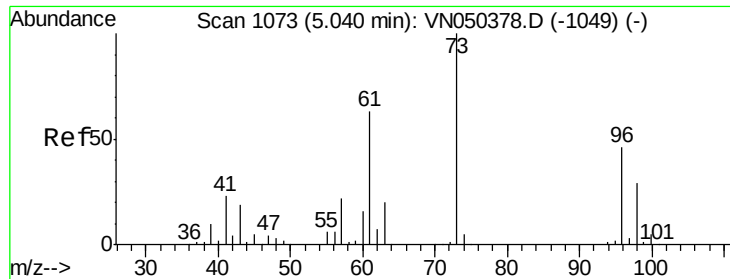
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#20
Methylene Chloride
Concen: 18.96 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion: 84 Resp: 180097
Ion Ratio Lower Upper
84 100
49 111.5 94.8 142.2
51 33.9 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

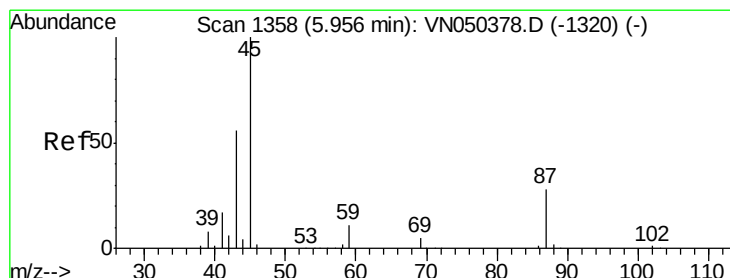
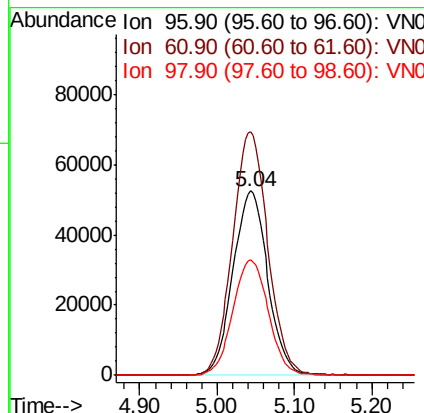
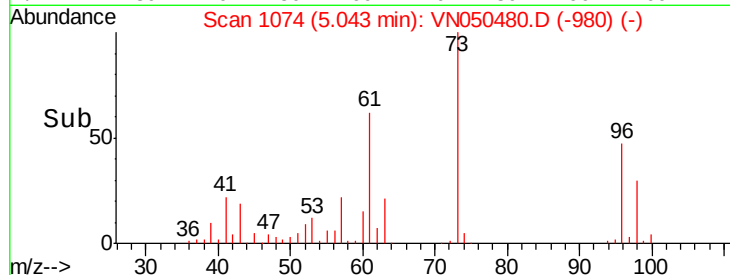
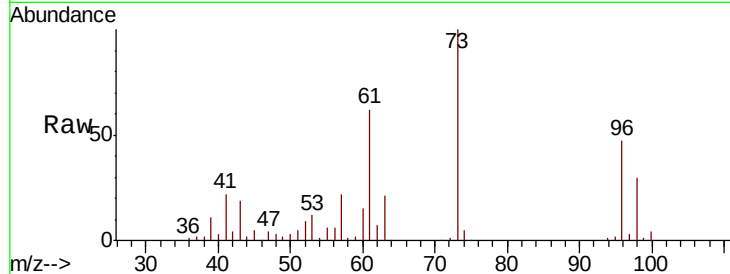
ClientSampled :

VN0809MBS01

Tot Ion:	96	Resp:	164456
Ion	Ratio	Lower	Upper
96	100		
61	131.9	110.7	166.1
98	62.3	51.6	77.4

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#22

Diisopropyl ether

Concen: 19.37 ug/l

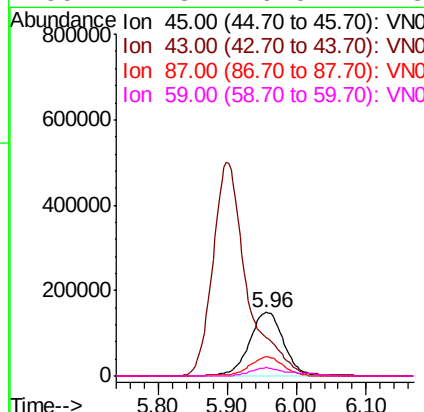
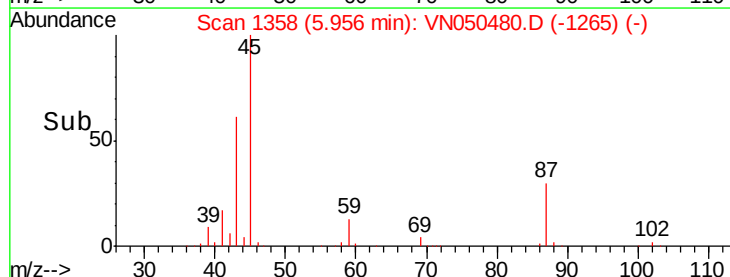
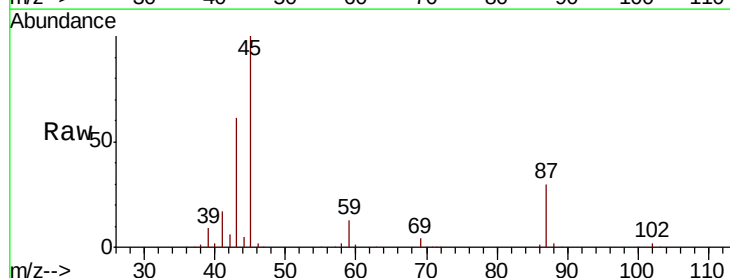
RT: 5.96 min Scan# 1358

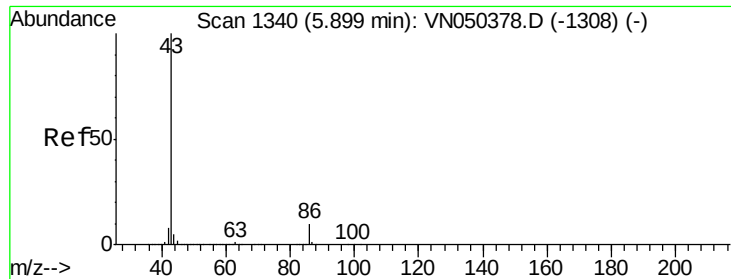
Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion:	45	Resp:	509454
Ion	Ratio	Lower	Upper
45	100		
43	59.7	45.7	68.5
87	30.4	22.7	34.1
59	12.8	9.5	14.3





#23

Vinyl Acetate

Concen: 91.39 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

VN0809MBS01

Tot Ion: 43 Resp: 1715327

Ion Ratio Lower Upper

43 100

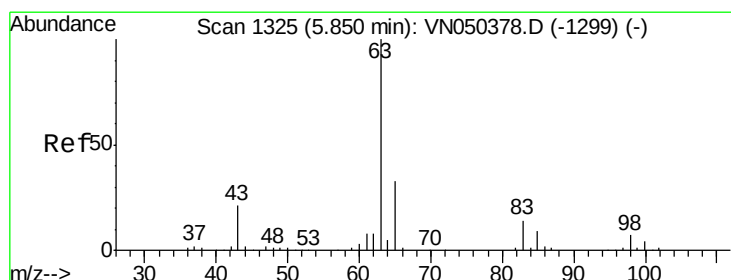
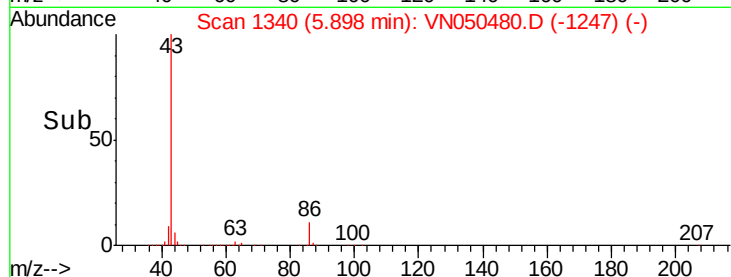
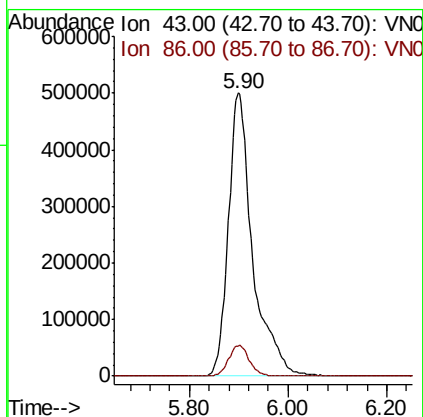
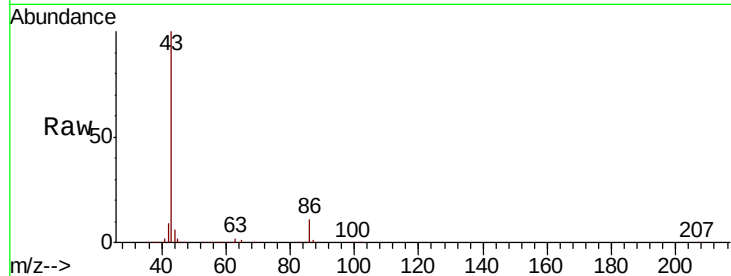
86 10.6 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 18.73 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

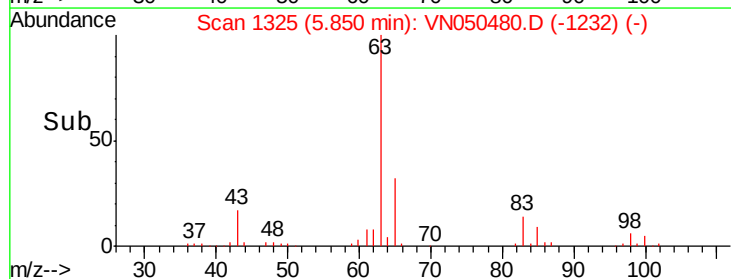
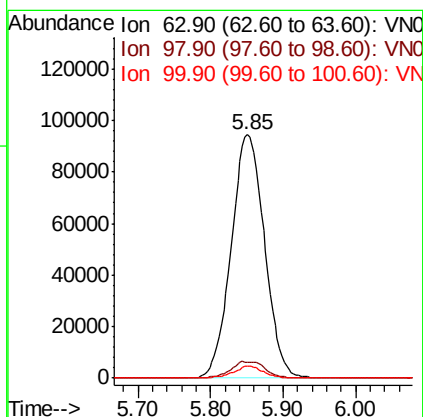
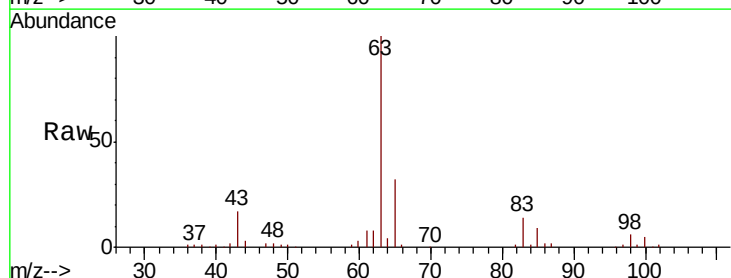
Tgt Ion: 63 Resp: 302273

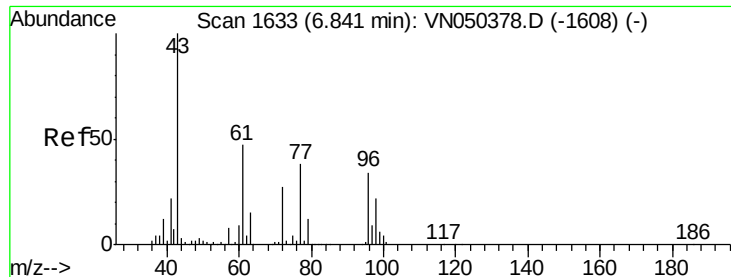
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 82.98 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 43 Resp: 407490

Ion Ratio Lower Upper

43 100

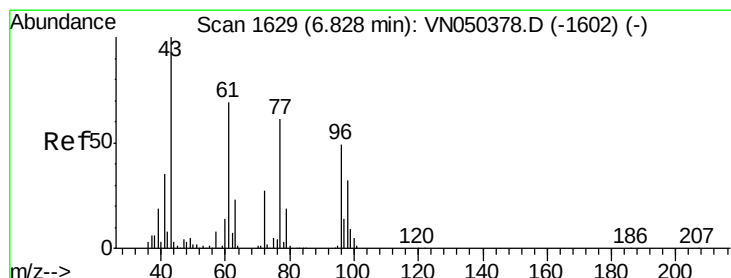
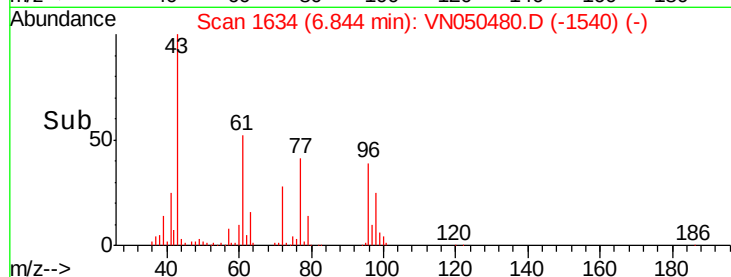
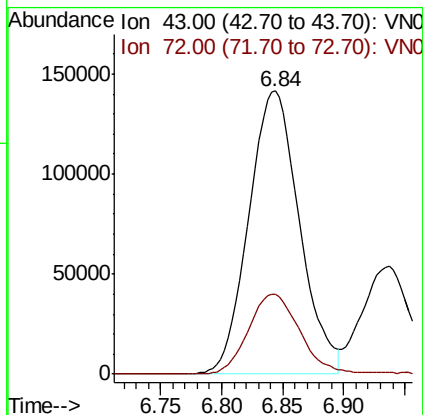
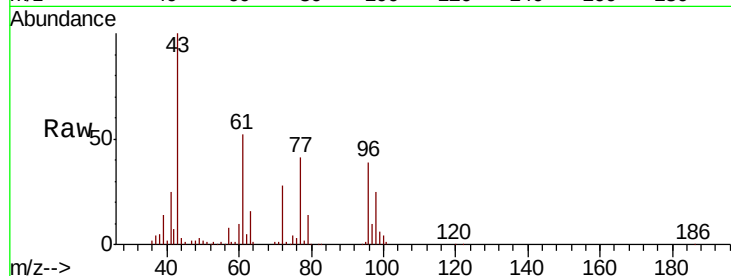
72 28.4 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.70 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050480.D

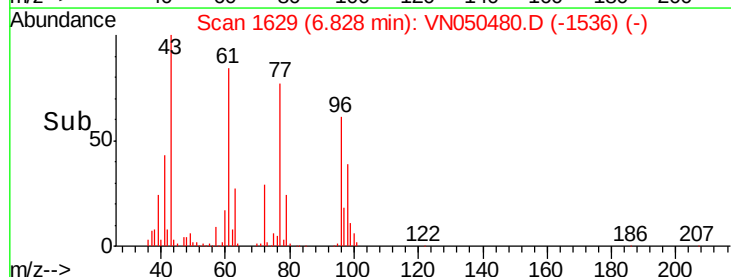
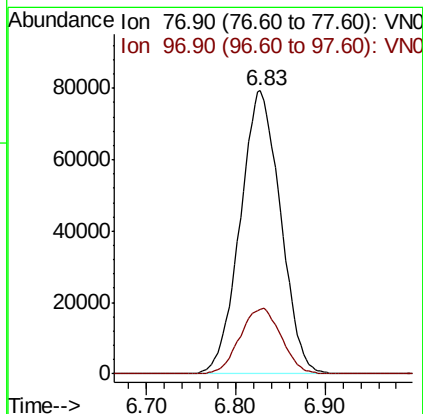
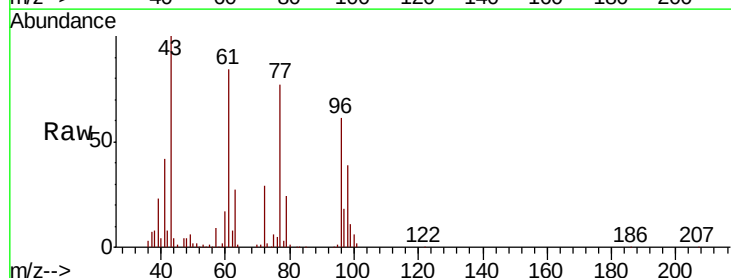
Acq: 9 Aug 2018 12:58

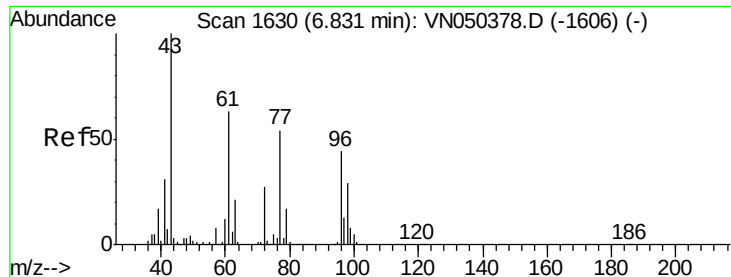
Tgt Ion: 77 Resp: 248824

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.54 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

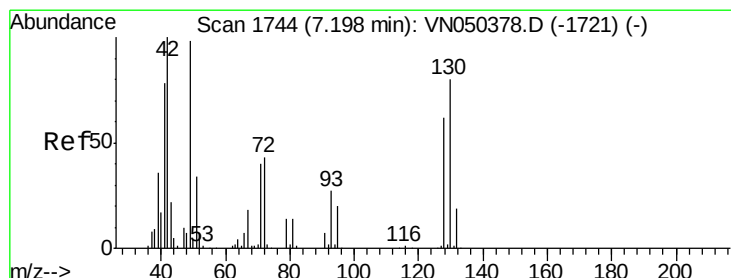
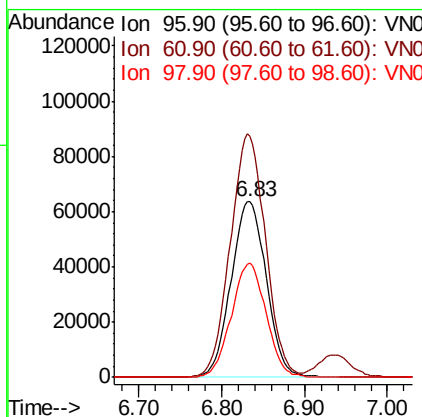
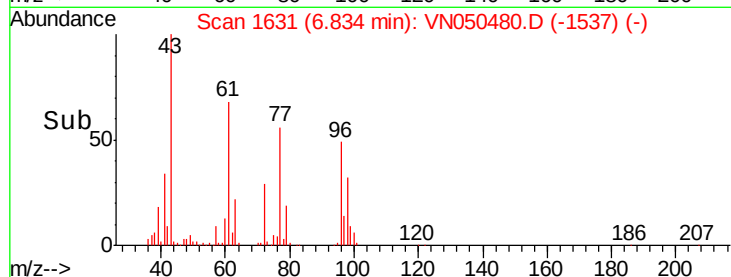
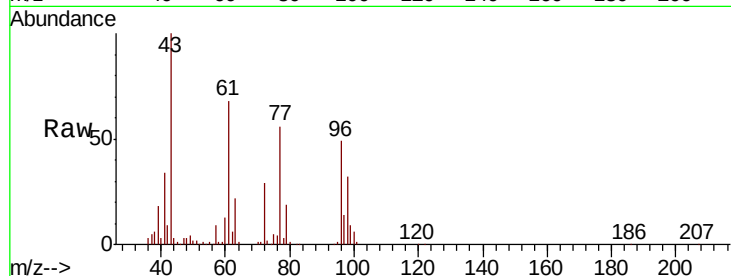
ClientSampled :

VN0809MBS01

Tot Ion:	96	Resp:	187972
Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	285.0
98	64.2	0.0	129.2

Manual Integrations
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8/10/2018 10:52:40 AM



#28

Bromochloromethane

Concen: 19.65 ug/l

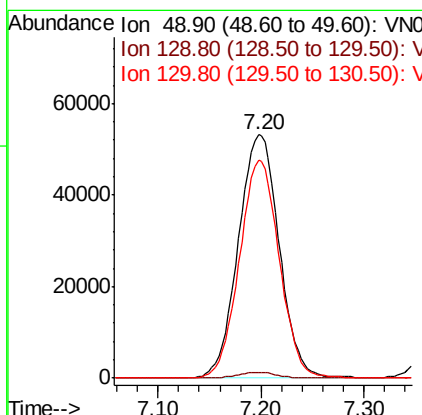
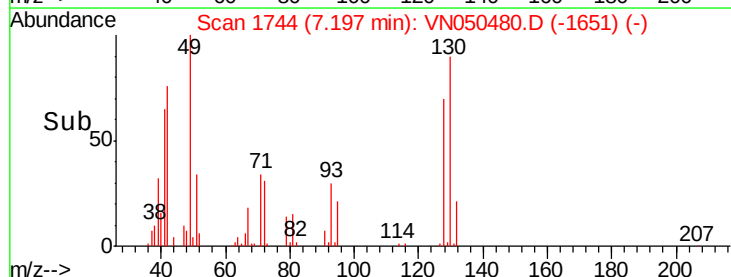
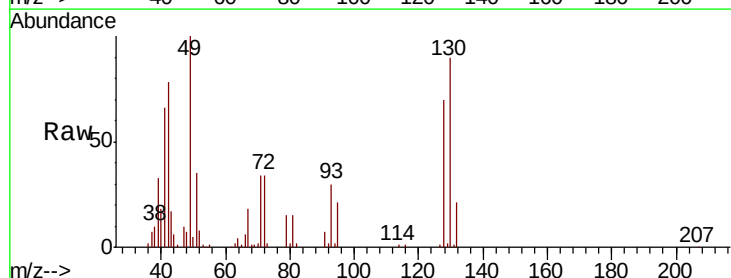
RT: 7.20 min Scan# 1744

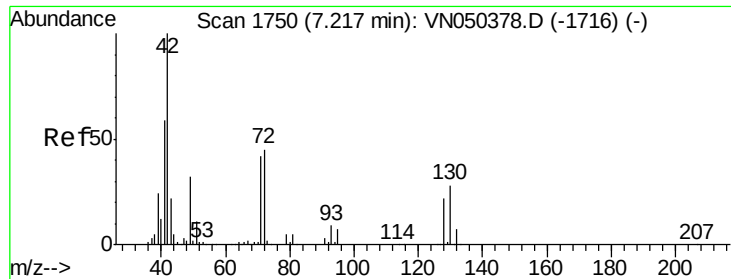
Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion:	49	Resp:	146016
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	87.6	66.3	99.5





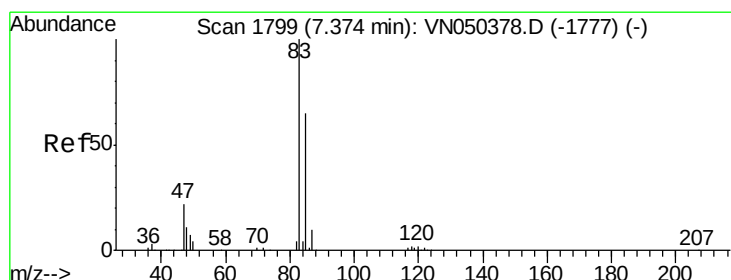
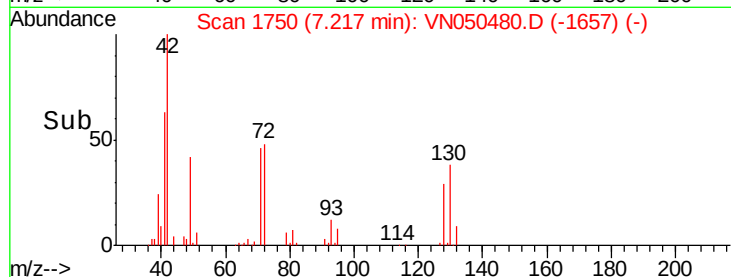
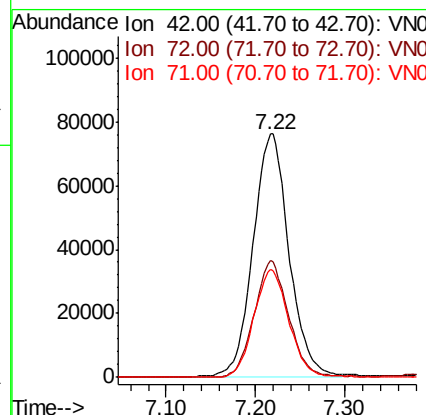
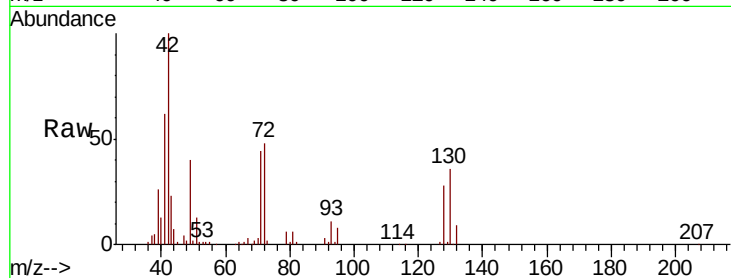
#29
Tetrahydrofuran
Concen: 80.96 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.9	53.9
71	43.2	33.7	50.5

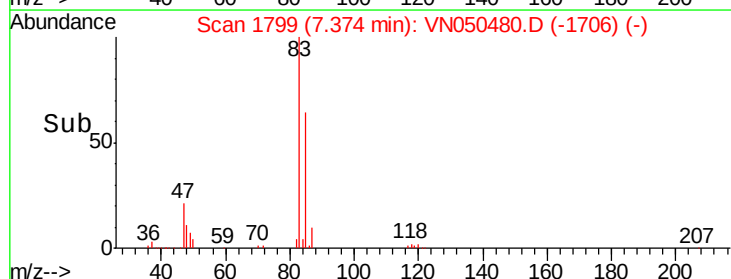
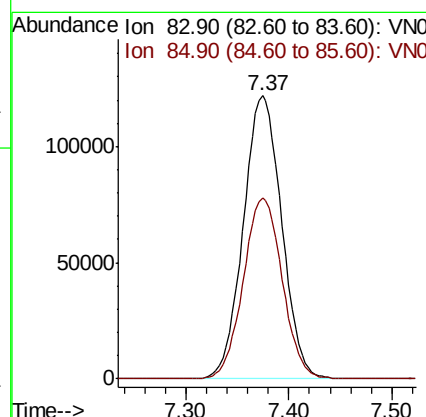
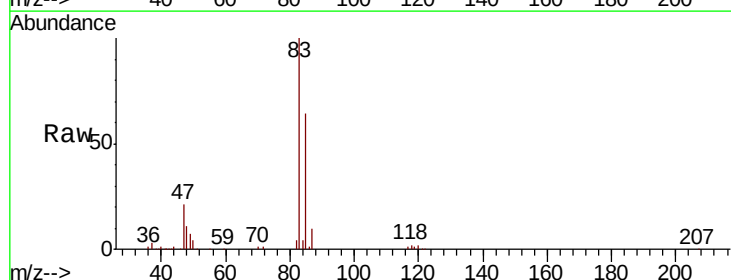
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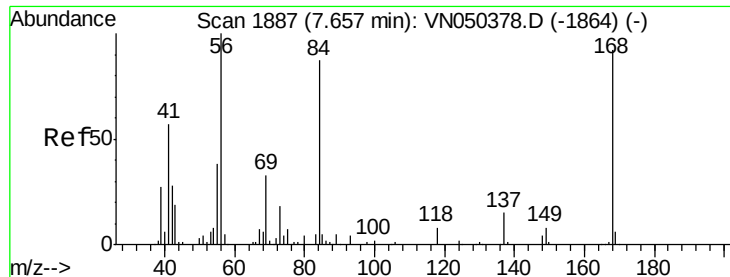
MMDadoda
8/10/2018 10:52:40 AM



#30
Chloroform
Concen: 19.51 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7





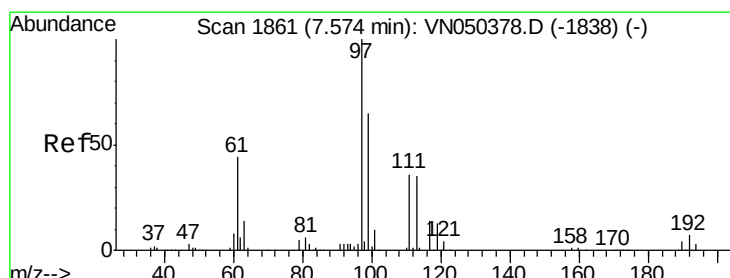
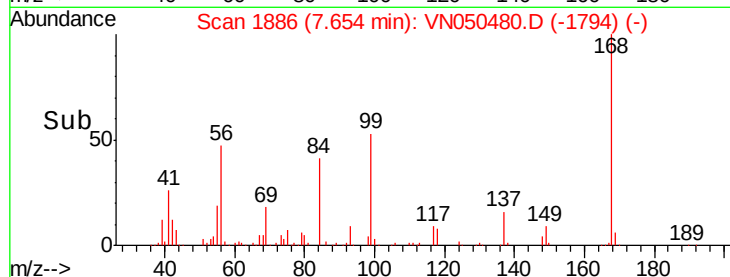
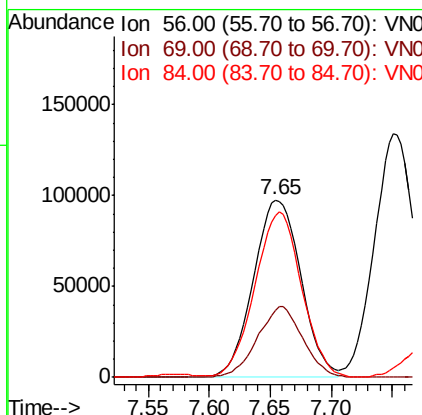
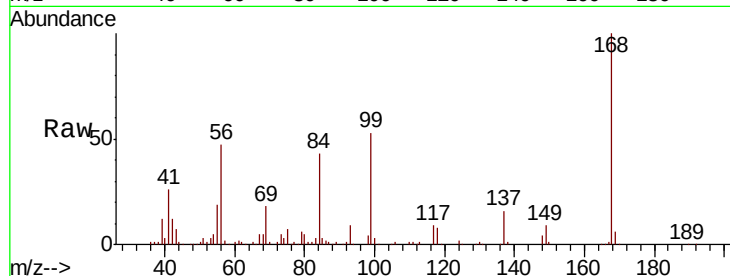
#31
Cyclohexane
Concen: 18.24 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	26.2	39.4
84	90.3	67.4	101.0

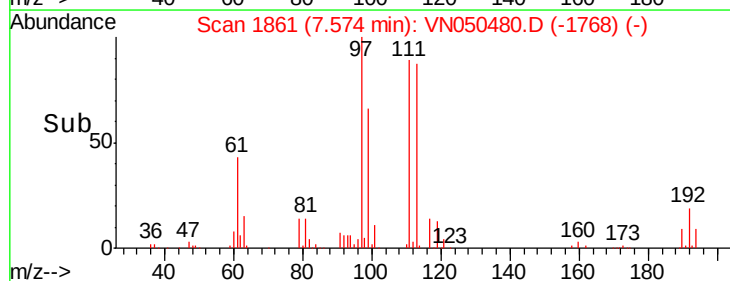
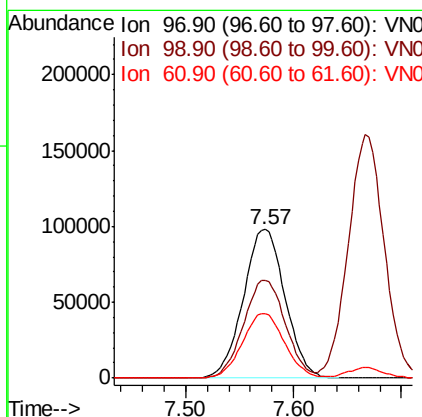
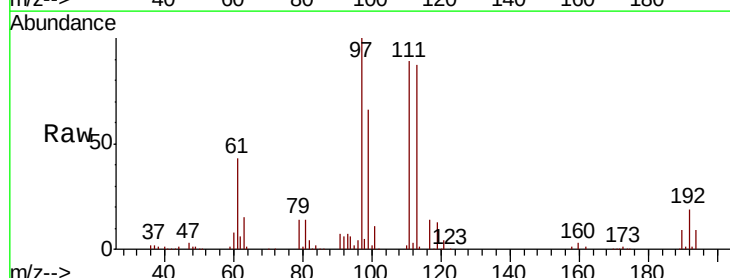
Manual Integrations
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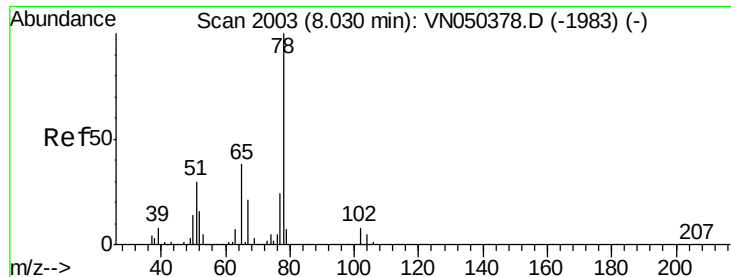
MMDadoda
8/10/2018 10:52:40 AM



#32
1,1,1-Trichloroethane
Concen: 18.99 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	44.0	35.4	53.0





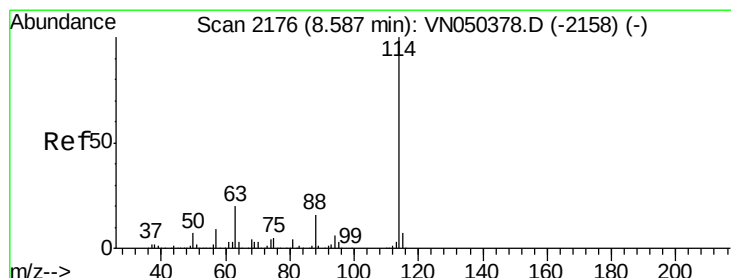
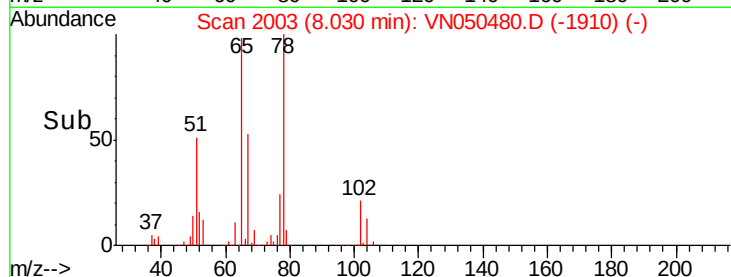
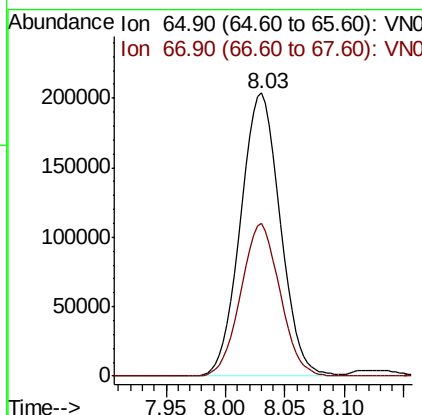
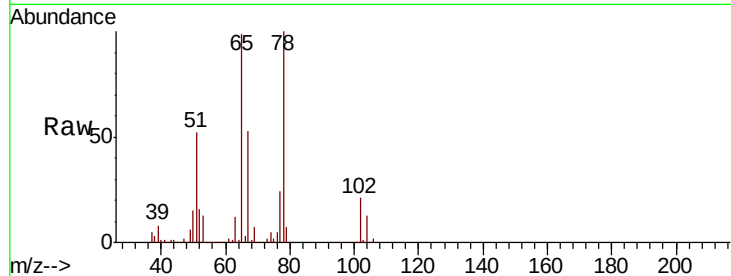
#33
 1,2-Dichloroethane-d4
 Concen: 47.59 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	471636		
67	53.3	0.0	108.4	

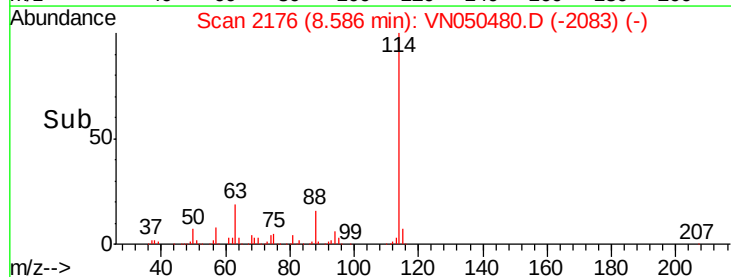
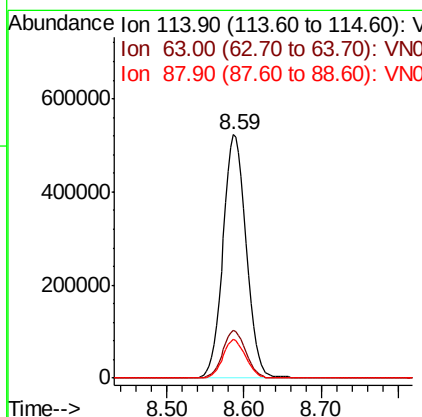
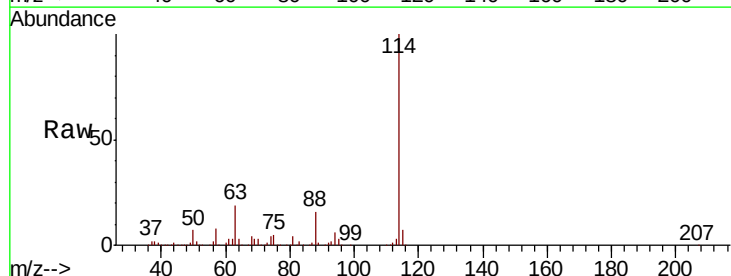
Manual Integrations
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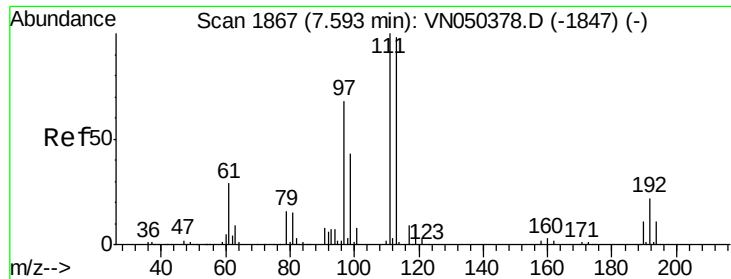
MMDadoda
 8/10/2018 10:52:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1089062		
63	19.5	0.0	40.0	
88	15.8	0.0	31.2	





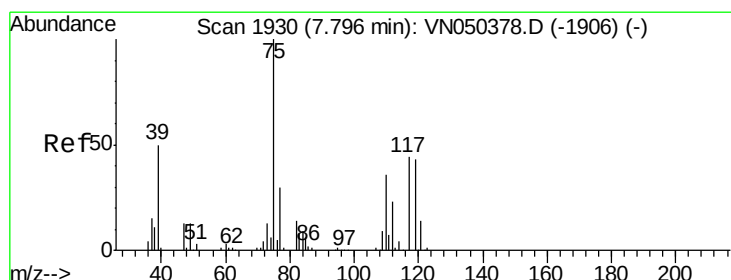
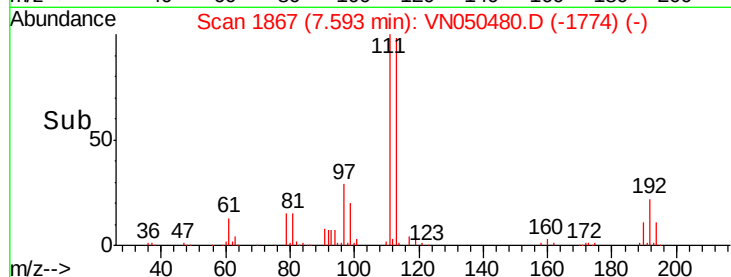
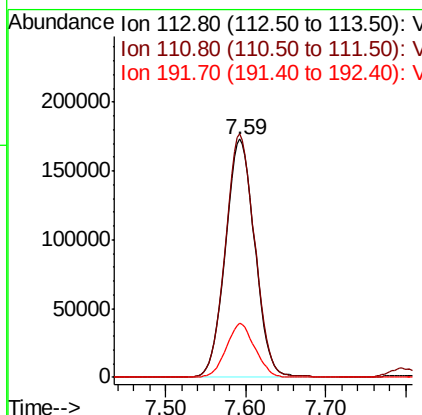
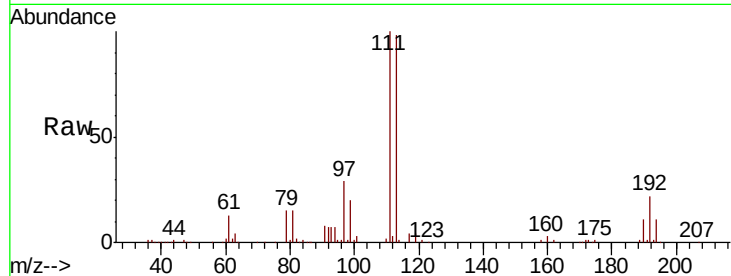
#35
 Dibromofluoromethane
 Concen: 49.71 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	434408		
111	101.7	80.7	121.1	
192	22.2	17.8	26.6	

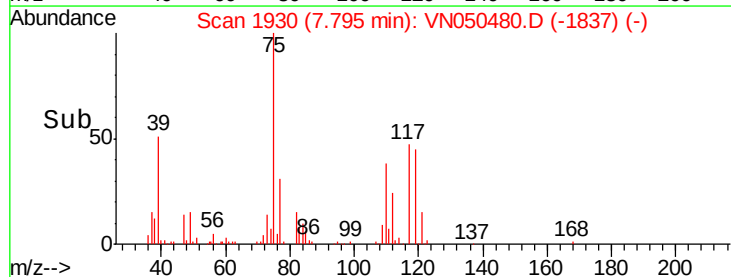
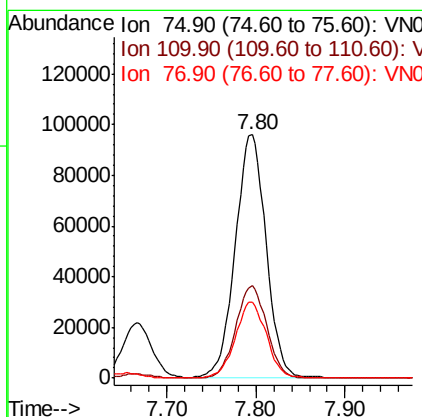
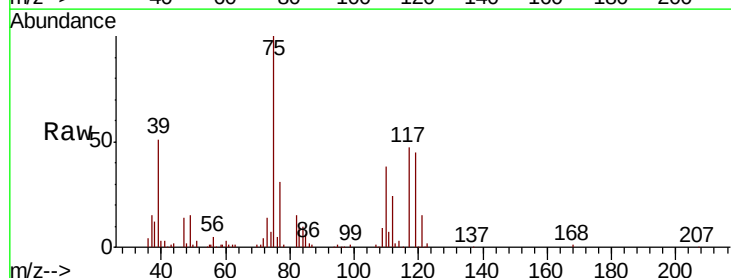
Manual Integrations
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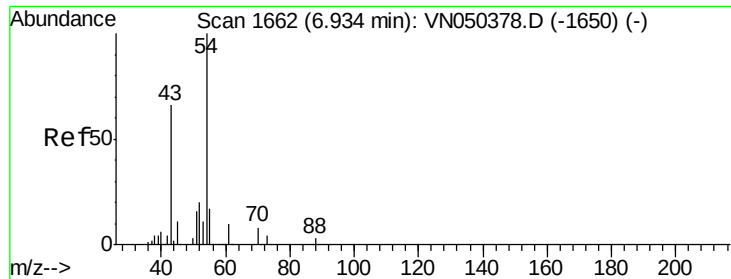
MMDadoda
 8/10/2018 10:52:40 AM



#36
 1,1-Dichloropropene
 Concen: 19.24 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	230228		
110	38.1	18.4	55.2	
77	31.7	25.3	37.9	





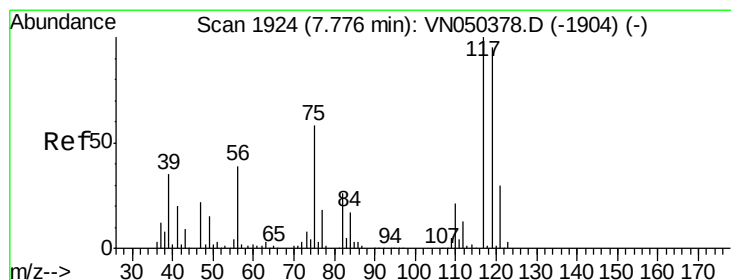
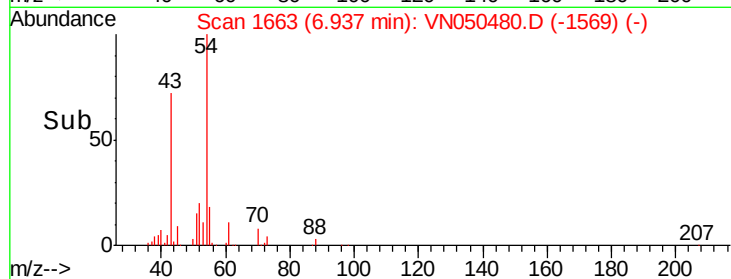
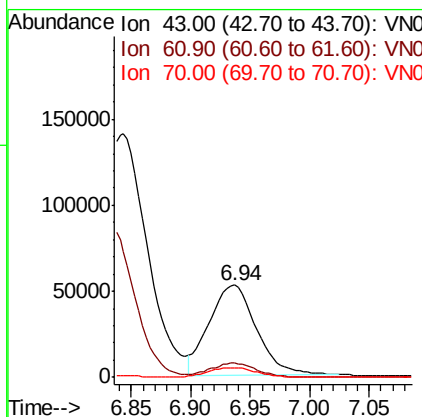
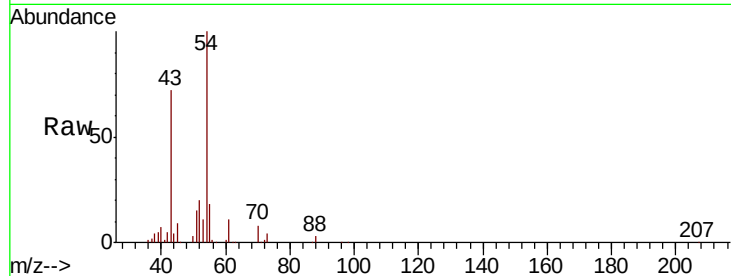
#37
Ethyl Acetate
Concen: 17.02 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	11.2	8.4	12.6

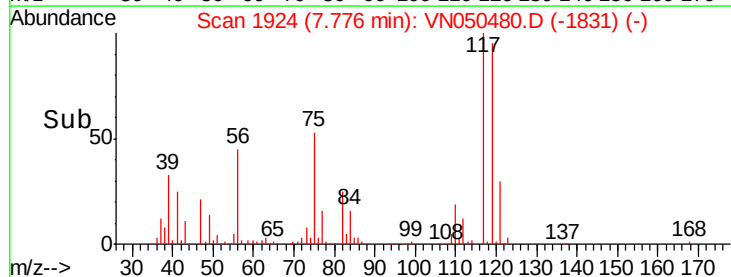
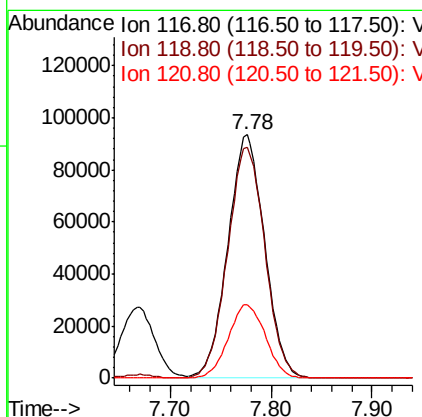
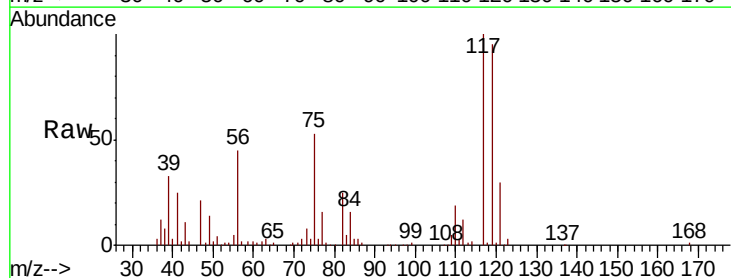
Manual Integrations
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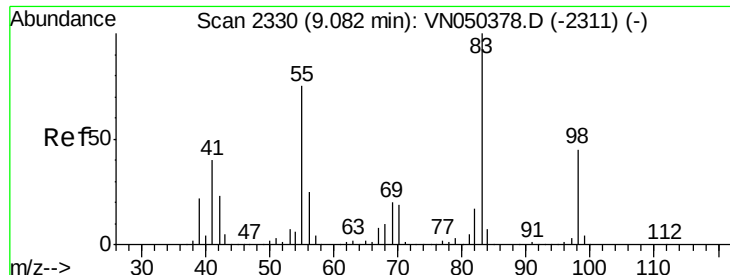
MMDadoda
8/10/2018 10:52:40 AM



#38
Carbon Tetrachloride
Concen: 18.96 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.0
121	30.1	23.9	35.9





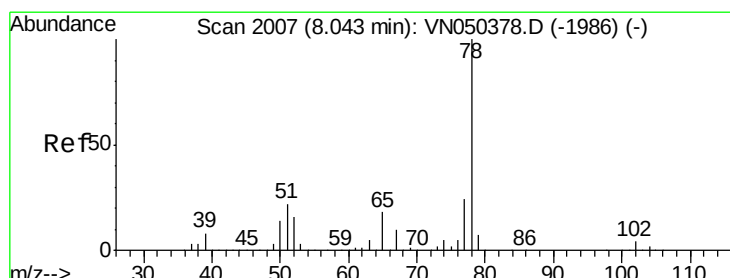
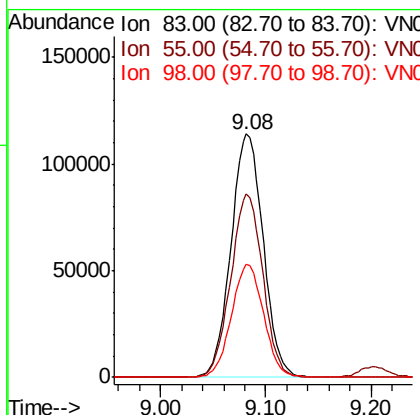
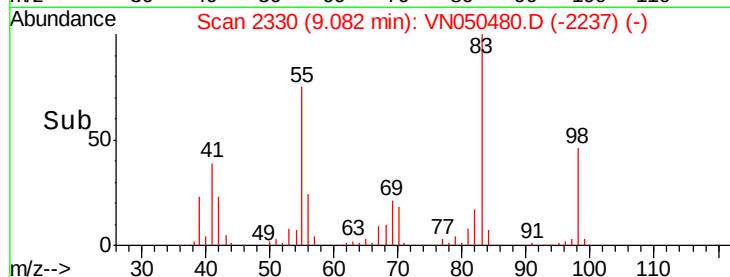
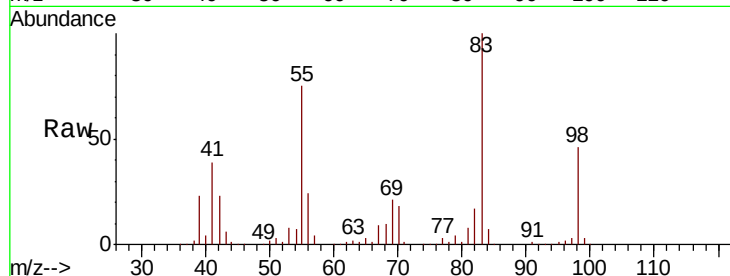
#39
Methylvlcyclohexane
Concen: 18.49 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.8	92.8
98	46.5	36.5	54.7

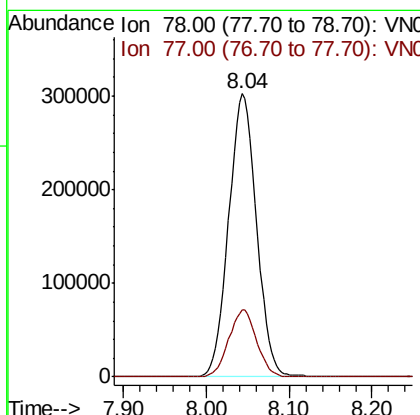
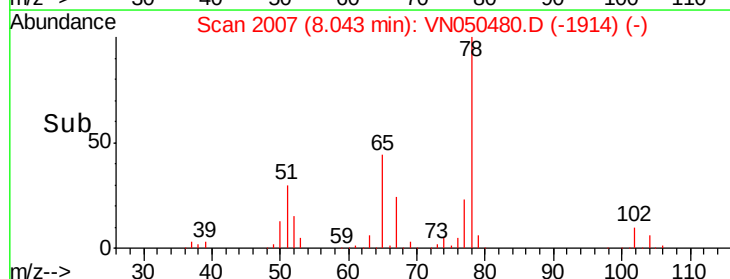
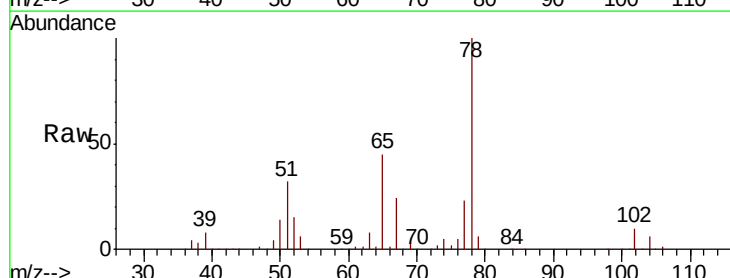
Manual Integrations
APPROVED

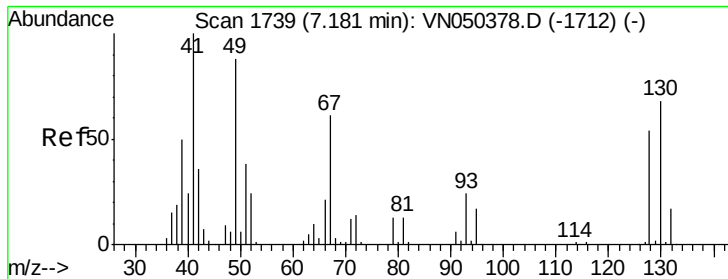
MMDadoda
8/10/2018 10:52:40 AM



#40
Benzene
Concen: 19.23 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





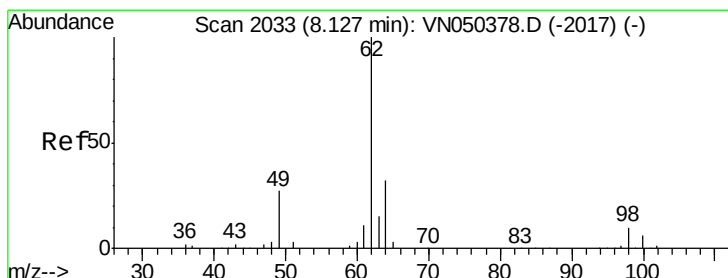
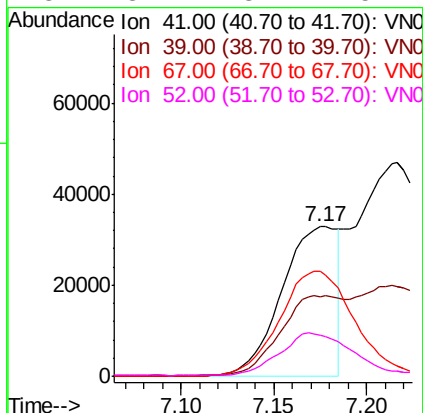
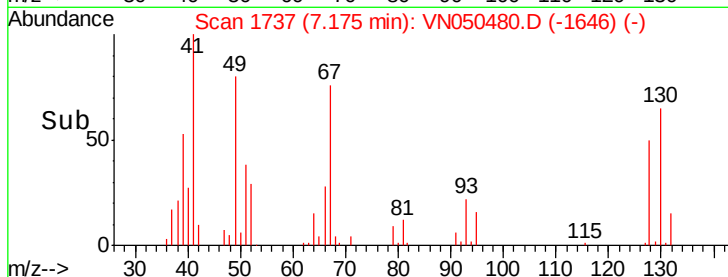
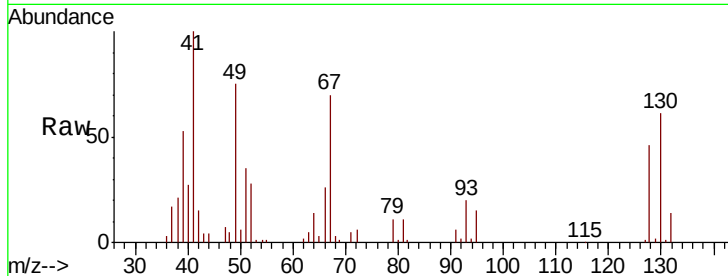
#41
Methacrylonitrile
Concen: 15.02 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	41	Resp	68828
Ion Ratio	Lower	Upper	
41	100		
39	59.5	55.8	83.6
67	94.8	84.3	126.5
52	37.1	34.2	51.2

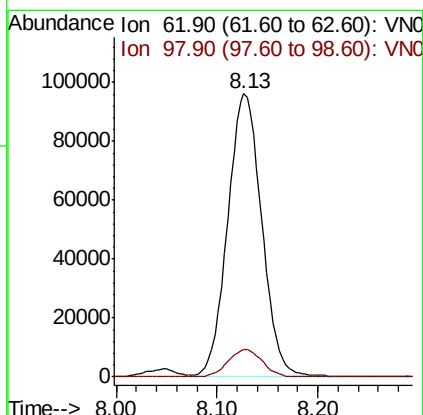
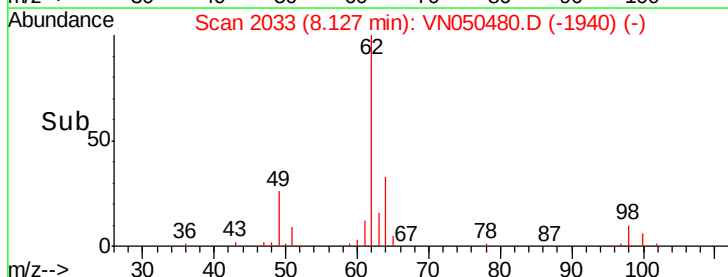
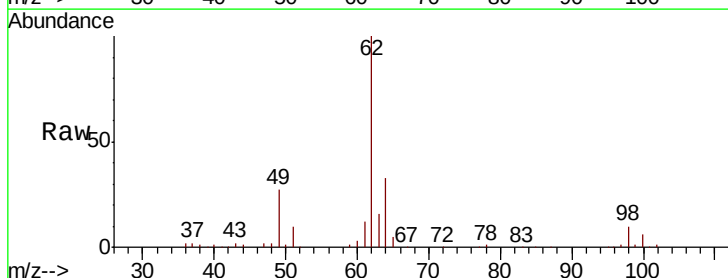
Manual Integrations
APPROVED

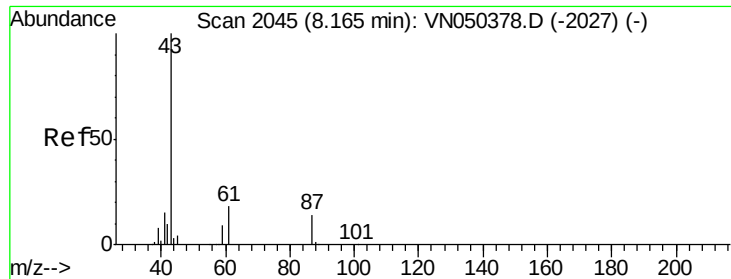
MMDadoda
8/10/2018 10:52:40 AM



#42
1,2-Dichloroethane
Concen: 19.27 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	62	Resp	225090
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	18.8





#43

Isopropyl Acetate

Concen: 17.61 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

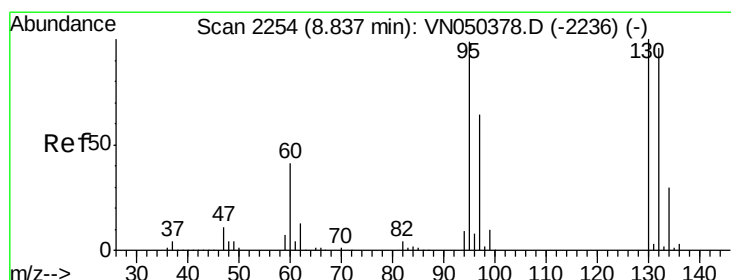
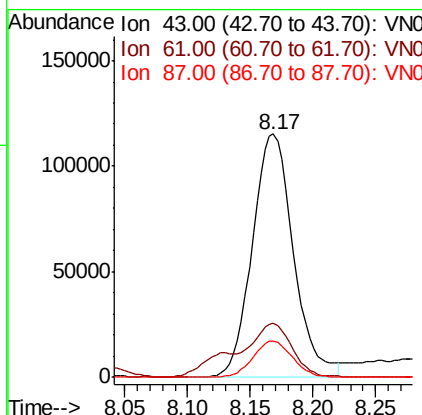
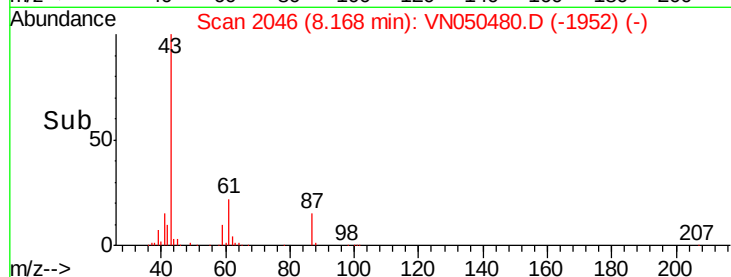
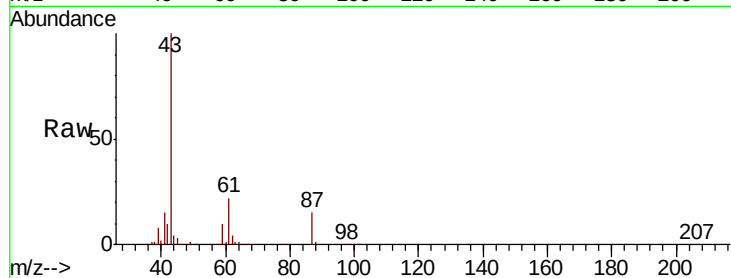
ClientSampleId :

VN0809MBS01

Tot Ion:	43	Resp:	262034
Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.8	23.6
87	14.5	10.3	15.5

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#44

Trichloroethene

Concen: 19.21 ug/l

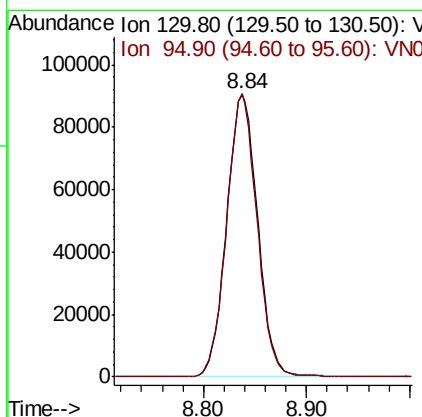
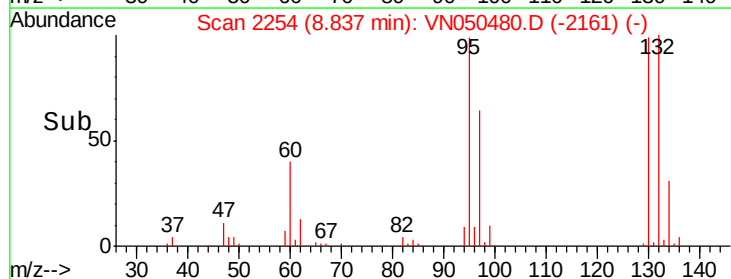
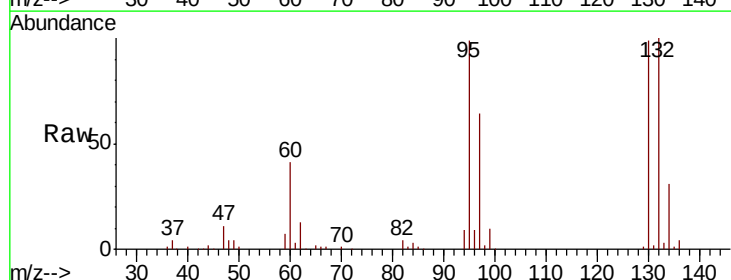
RT: 8.84 min Scan# 2254

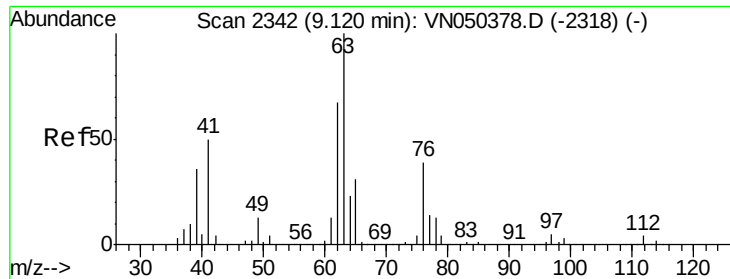
Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion:	130	Resp:	189869
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	194.6





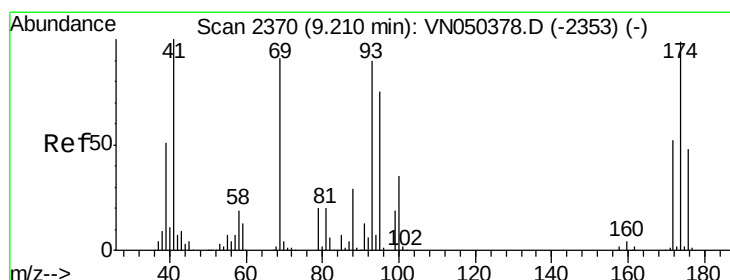
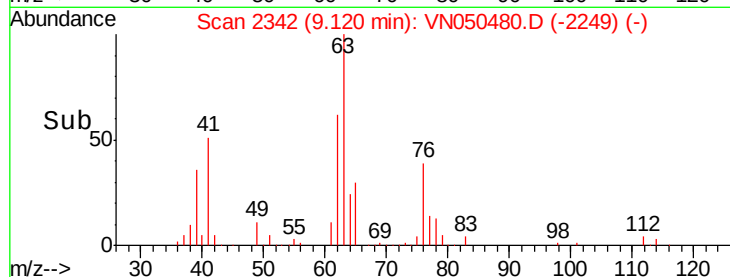
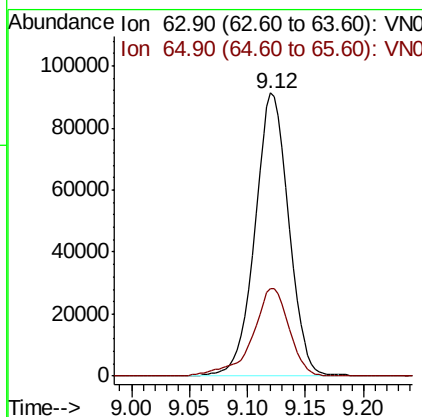
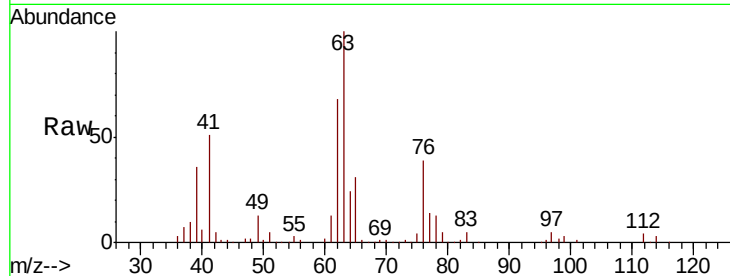
#45
 1,2-Dichloropropane
 Concen: 19.14 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion: 63 Resp: 185154
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.5 38.3

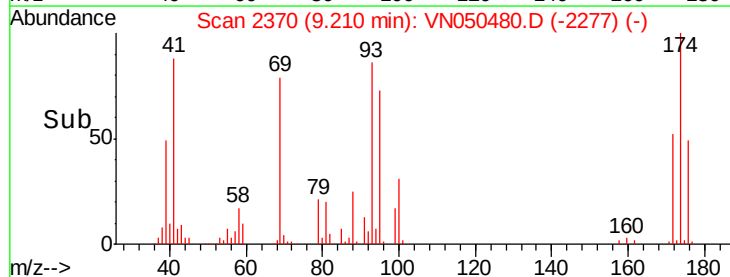
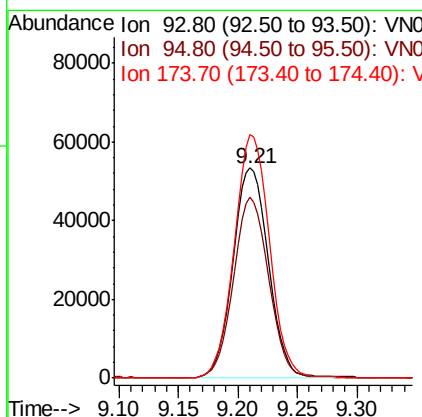
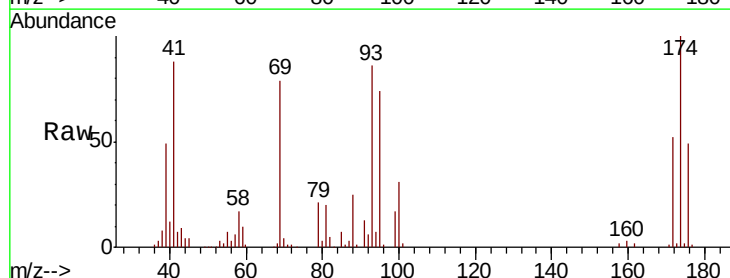
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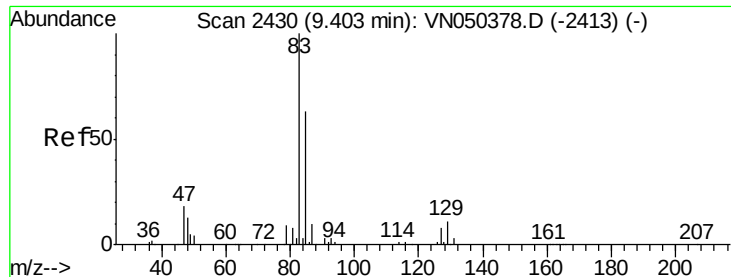
MMDadoda
 8/10/2018 10:52:40 AM



#46
 Dibromomethane
 Concen: 18.59 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion: 93 Resp: 111019
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.6 100.0
 174 115.0 87.1 130.7





#47

Bromodichloromethane

Concen: 18.90 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

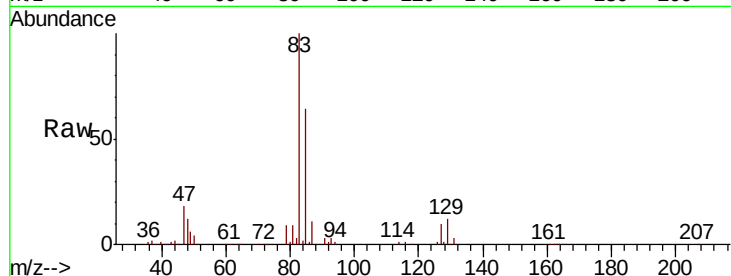
ClientSampleId :

VN0809MBS01

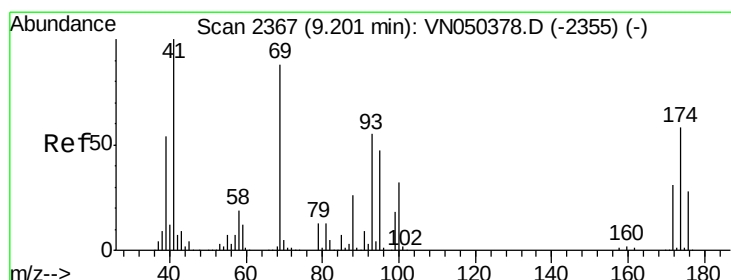
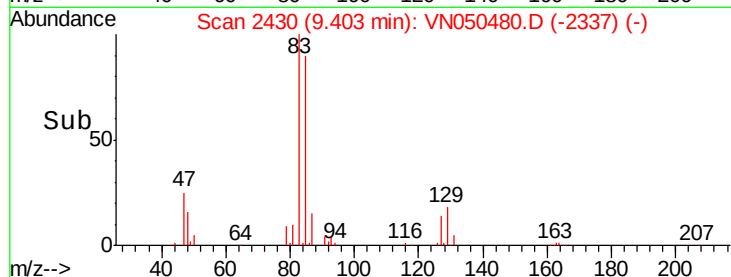
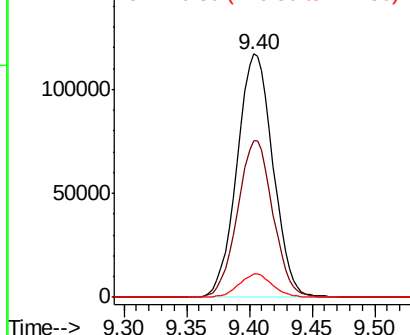
Tot Ion:	83	Resp:	233780
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	9.7	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.37 ug/l

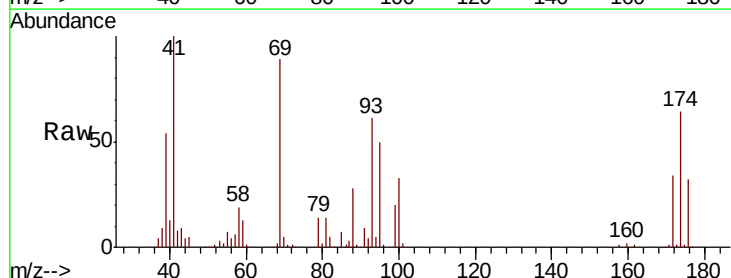
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

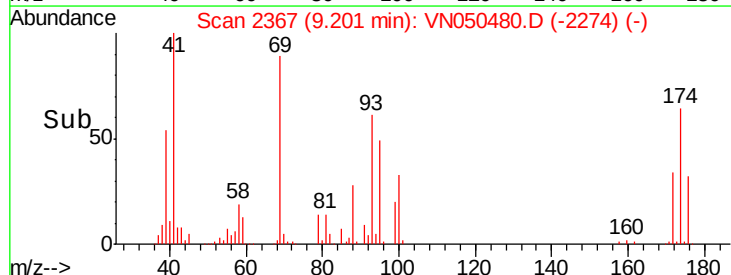
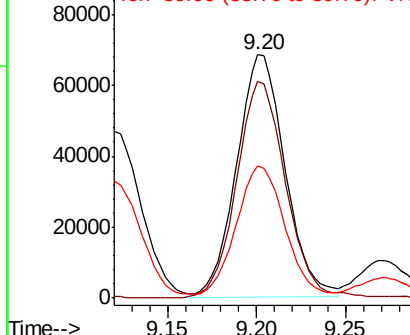
Lab File: VN050480.D

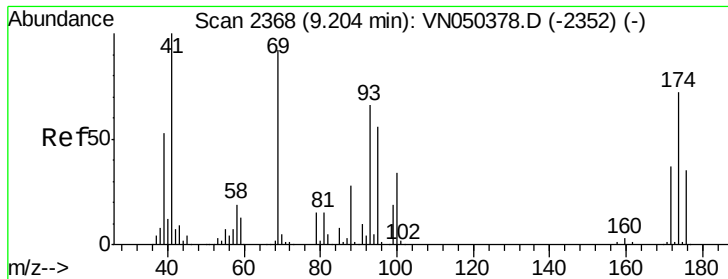
Acq: 9 Aug 2018 12:58

Tgt Ion:	41	Resp:	129514
Ion	Ratio	Lower	Upper
41	100		
69	89.7	70.6	105.8
39	55.0	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





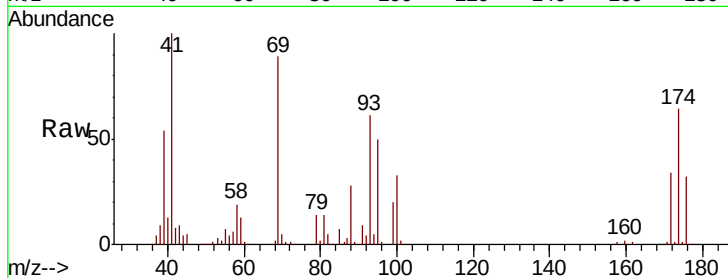
#49
1,4-Dioxane
Concen: 330.18 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.9	40.3
58	69.6	57.3	85.9

Manual Integrations
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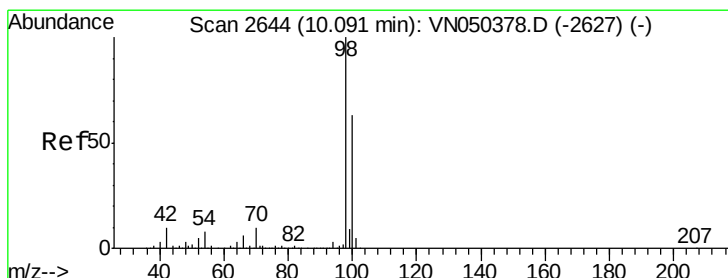
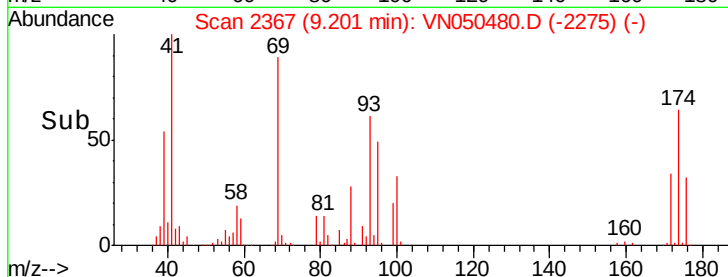
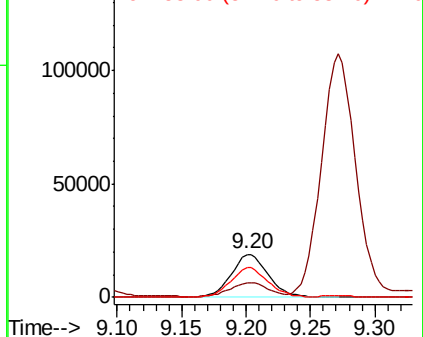


Abundance

Ion 88.00 (87.70 to 88.70): VN050378.D (-2352) (-)

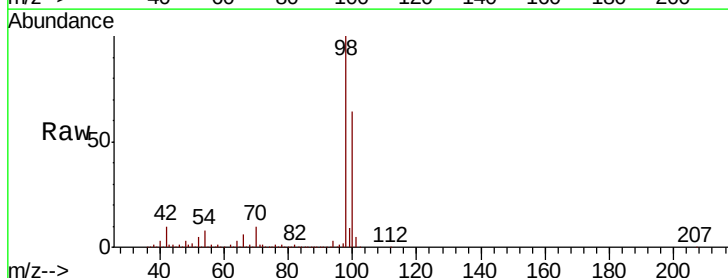
Ion 43.00 (42.70 to 43.70): VN050378.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2352) (-)



#50
Toluene-d8
Concen: 48.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

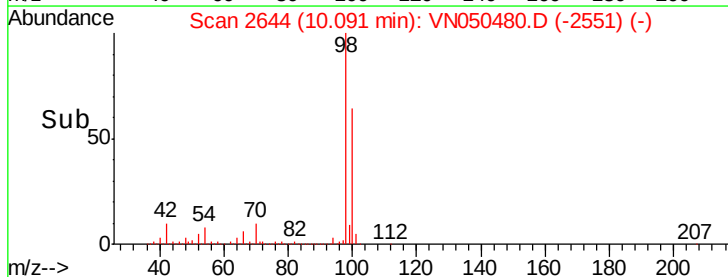
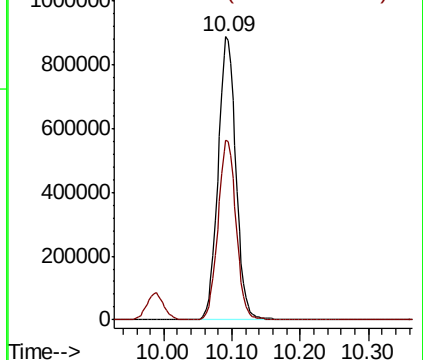
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1

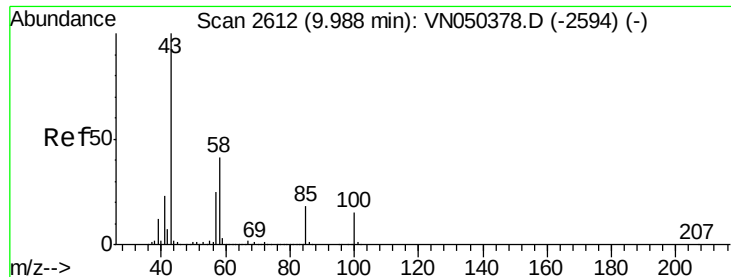


Abundance

Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050378.D (-2627) (-)





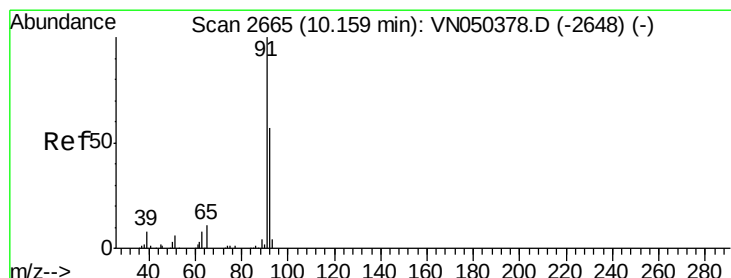
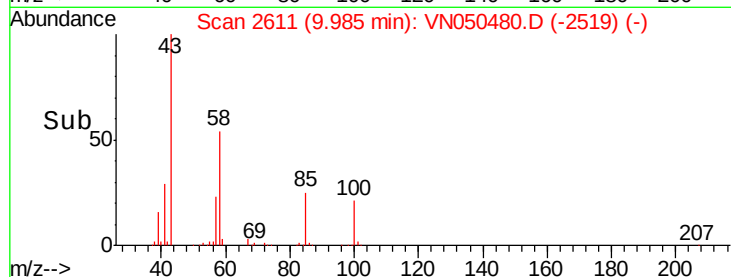
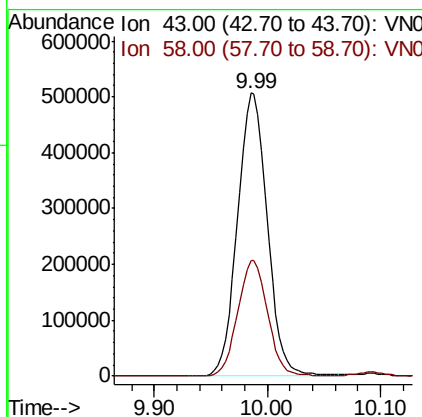
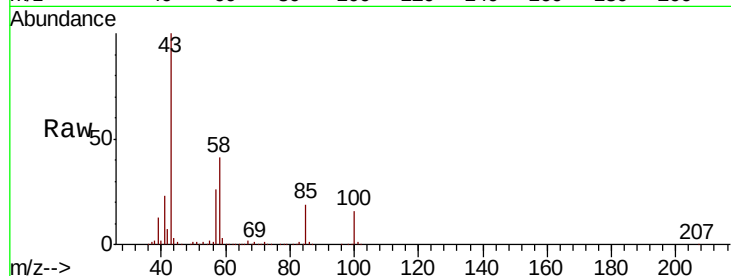
#51
4-Methyl-2-Pentanone
Concen: 86.77 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	31.9	47.9

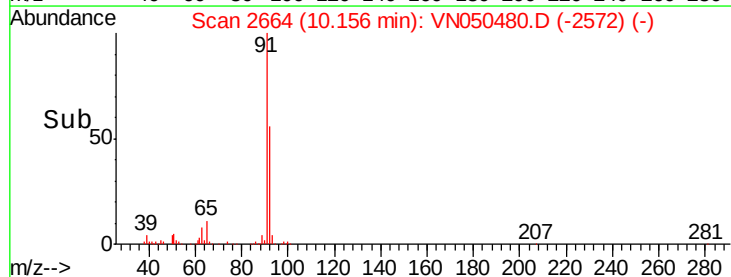
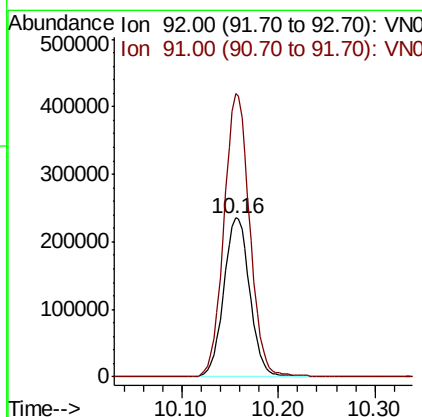
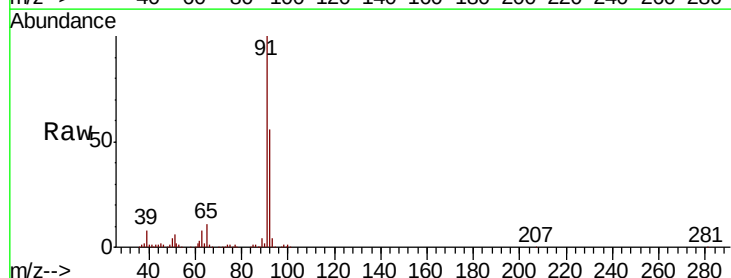
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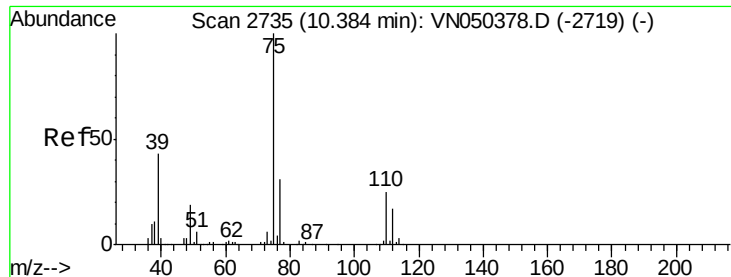
MMDadoda
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#52
Toluene
Concen: 19.93 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.3	140.3	210.5





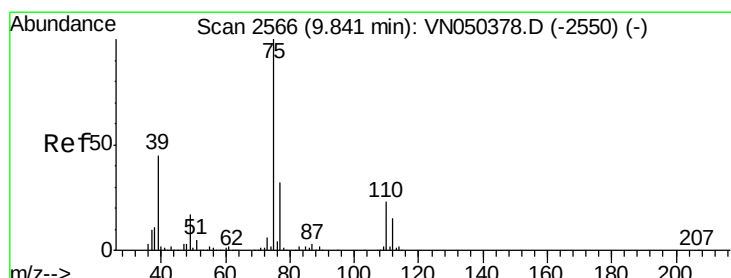
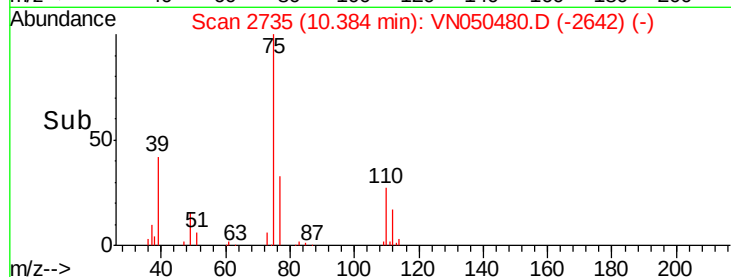
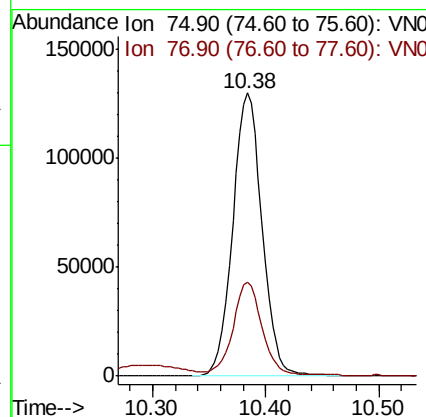
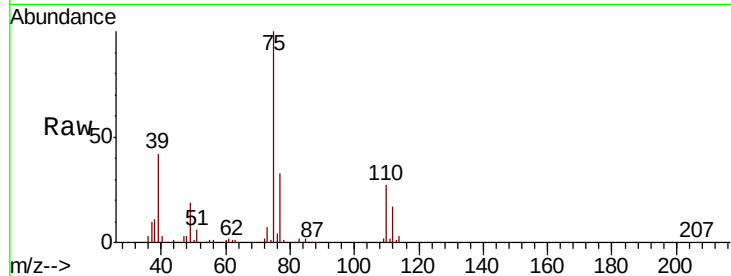
#53
t-1,3-Dichloropropene
Concen: 18.81 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.9	37.3

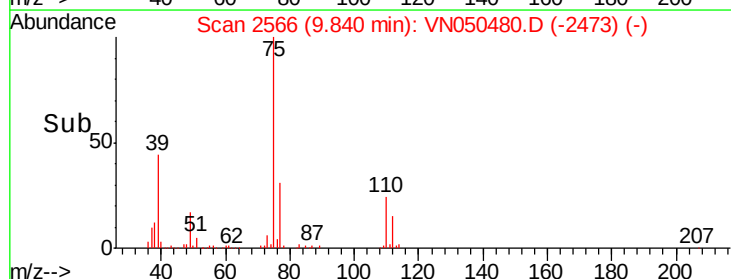
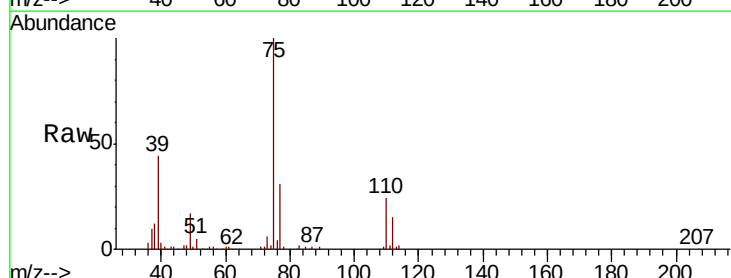
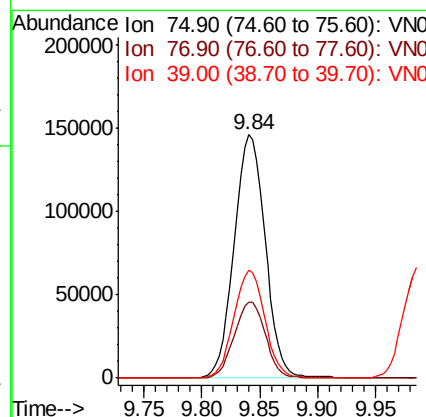
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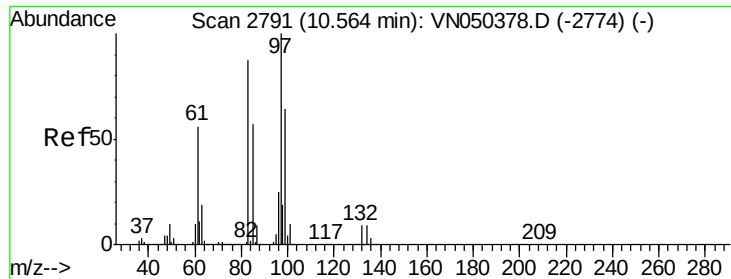
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#54
cis-1,3-Dichloropropene
Concen: 19.57 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	44.3	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 18.94 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

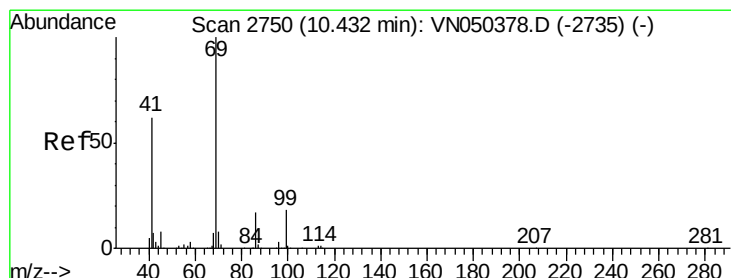
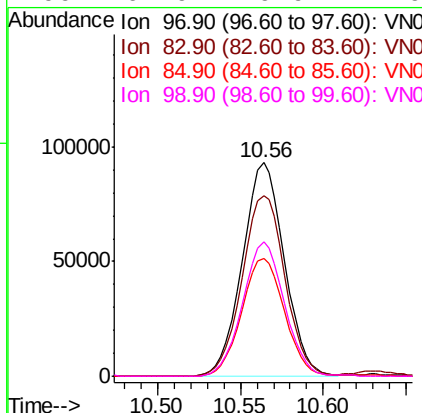
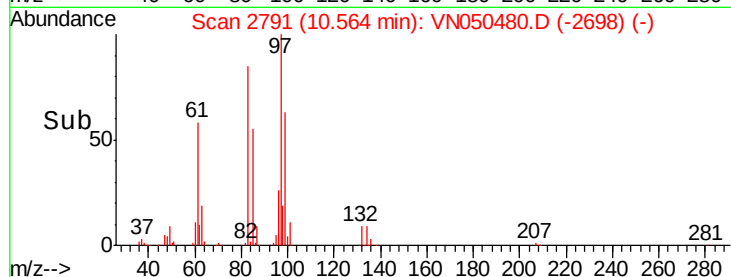
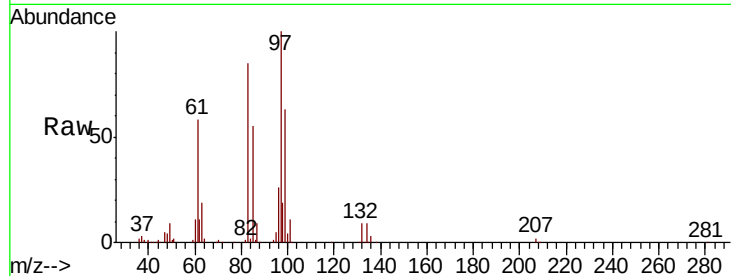
ClientSampled :

VN0809MBS01

Tot Ion	97	Resp	163415
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.2	103.8
85	55.2	44.0	66.0
99	62.9	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.73 ug/l

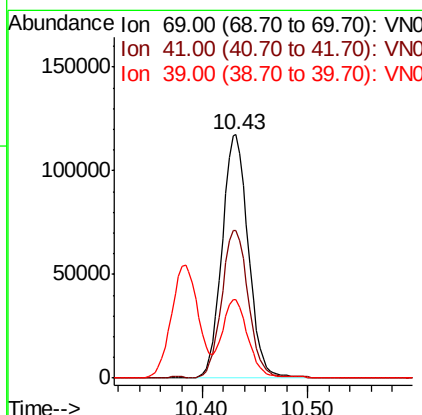
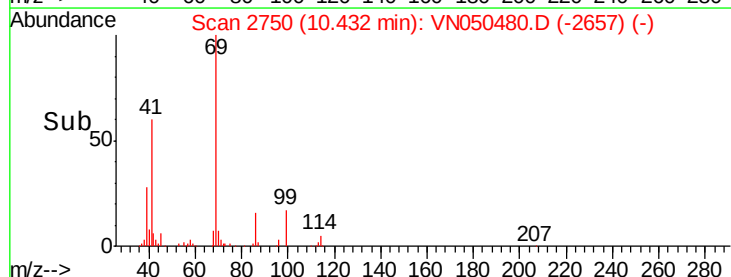
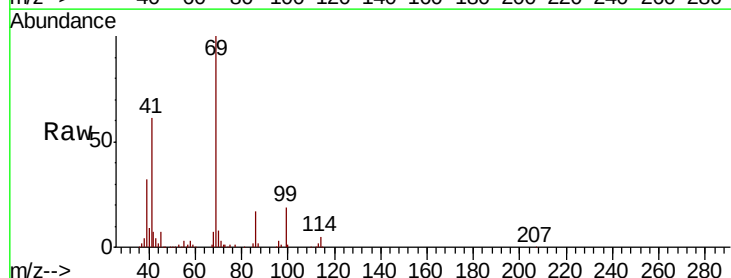
RT: 10.43 min Scan# 2750

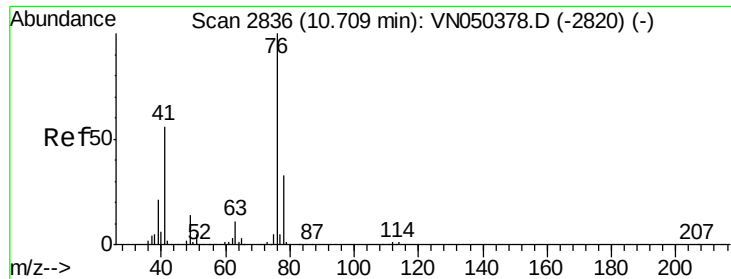
Delta R.T. 0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion	69	Resp	202537
Ion	Ratio	Lower	Upper
69	100		
41	60.9	51.0	76.4
39	30.9	26.6	40.0





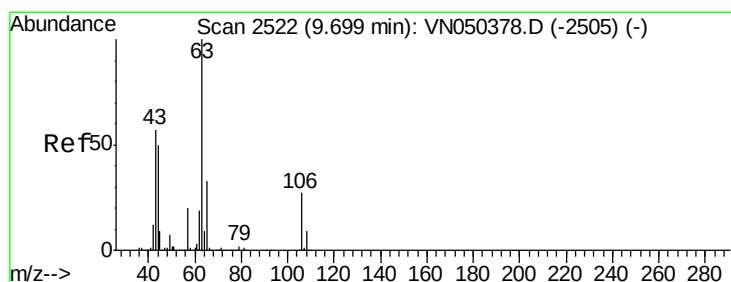
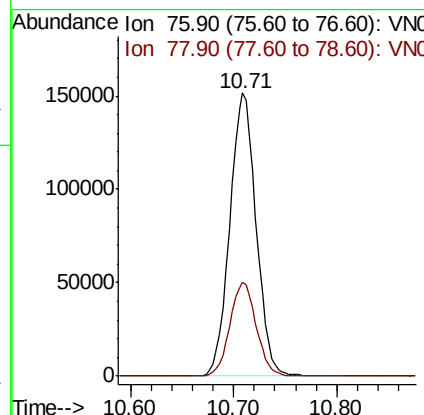
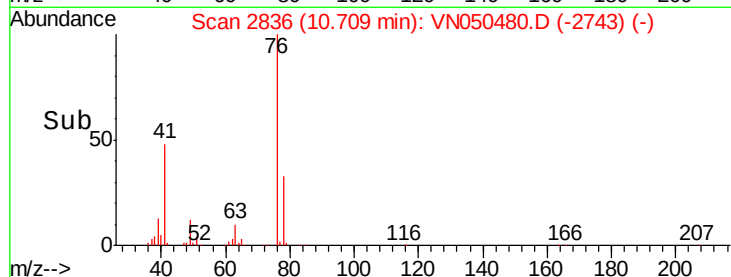
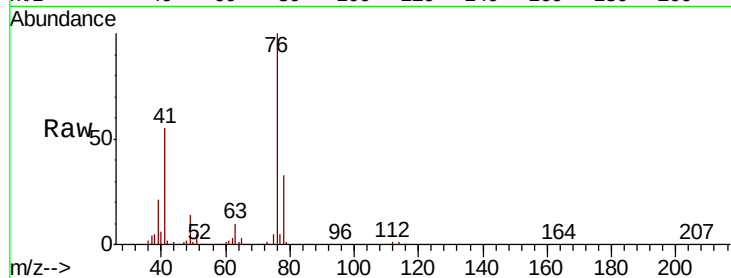
#57
 1,3-Dichloropropane
 Concen: 19.02 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion: 76 Resp: 269386
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.7 38.5

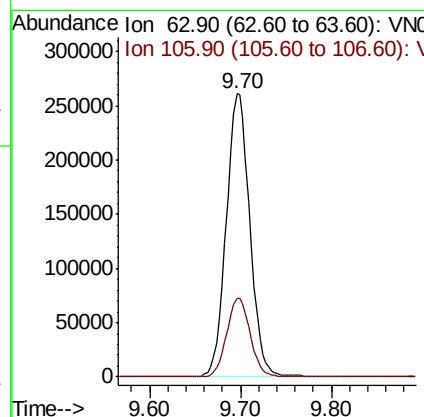
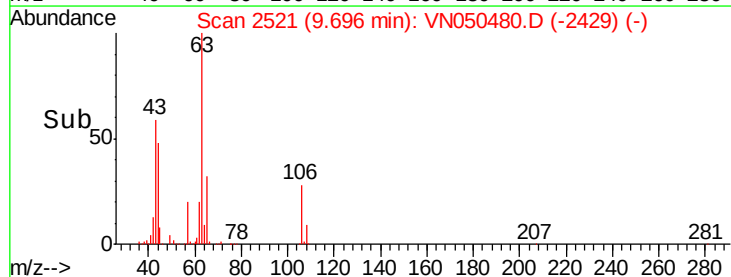
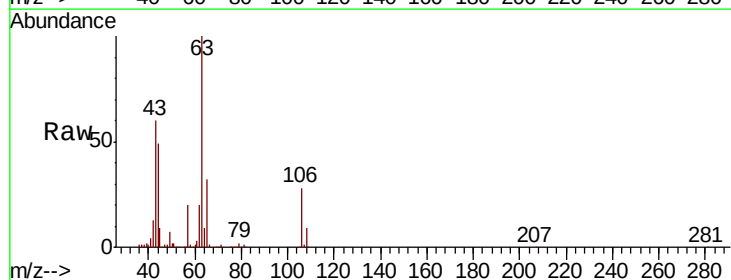
Manual Integrations
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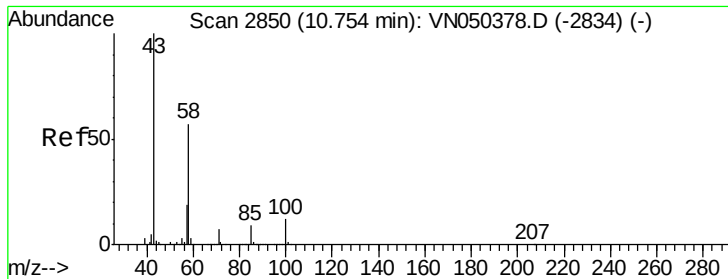
MMDadoda
 8/10/2018 10:52:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.68 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion: 63 Resp: 470783
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.7 32.5





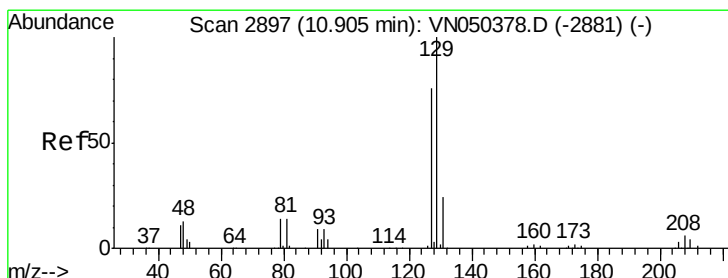
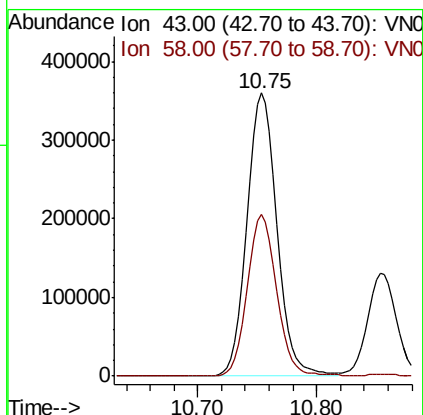
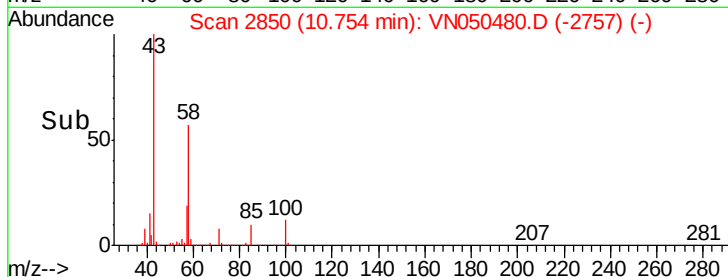
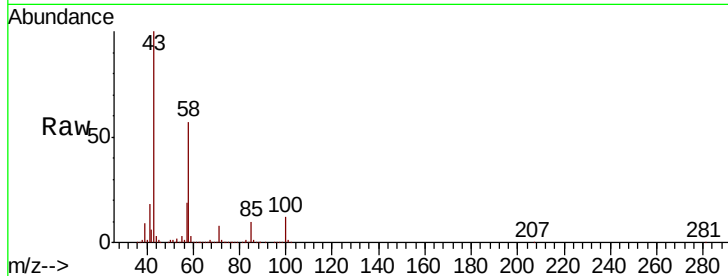
#59
2-Hexanone
Concen: 83.97 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.6	82.7

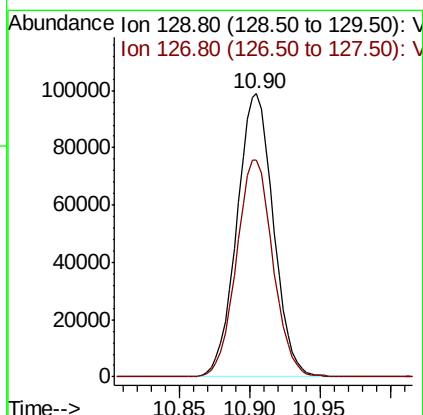
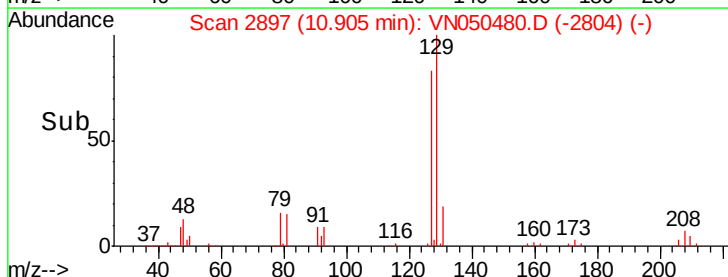
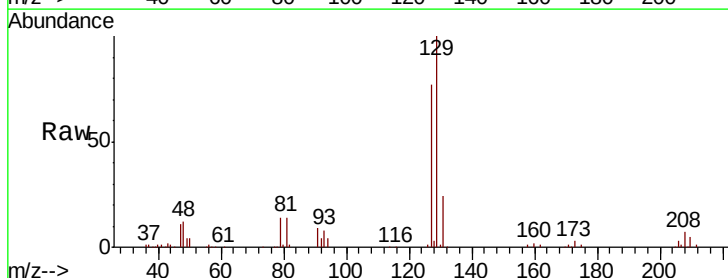
Manual Integrations
APPROVED

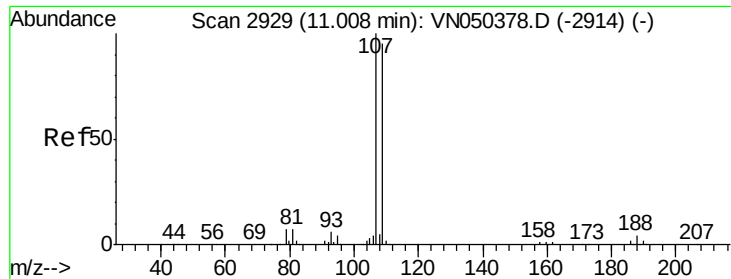
MMDadoda
8/10/2018 10:52:40 AM



#60
Dibromochloromethane
Concen: 18.92 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.0	113.9





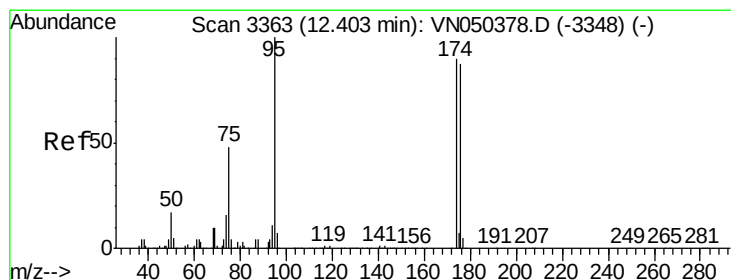
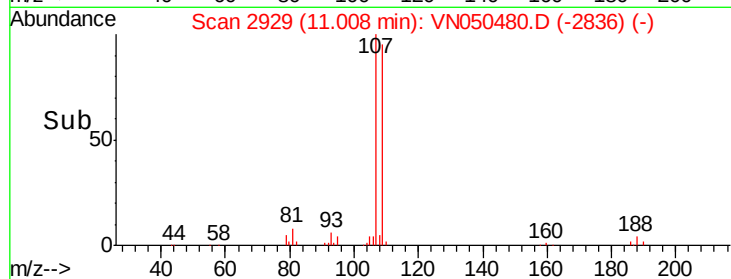
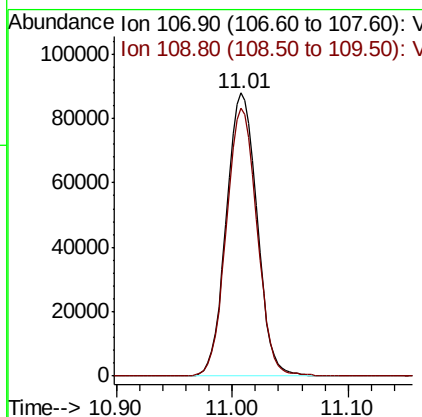
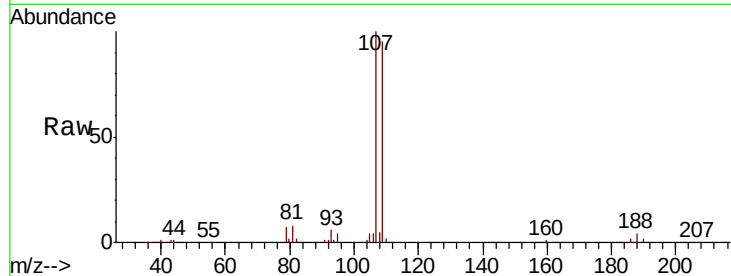
#61
 1,2-Dibromoethane
 Concen: 18.92 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	112.0

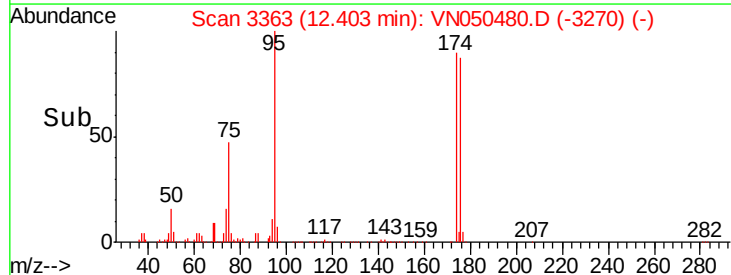
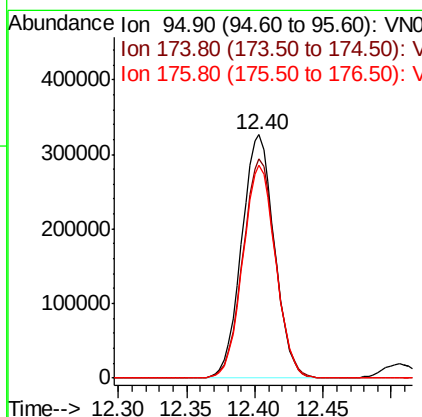
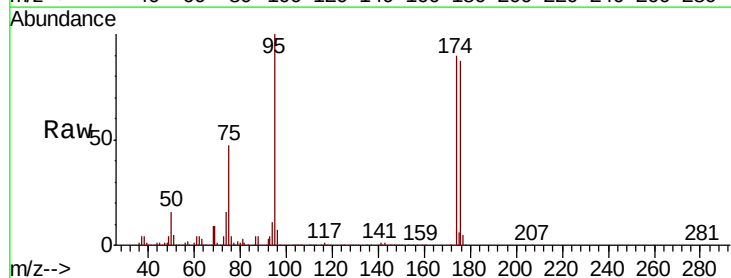
Manual Integrations
 APPROVED

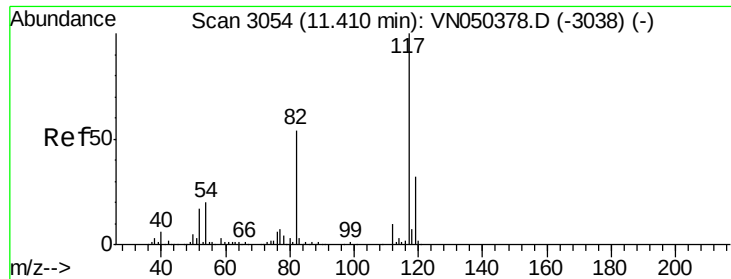
MMDadoda
 8/10/2018 10:52:40 AM



#62
 4-Bromofluorobenzene
 Concen: 48.57 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.2
176	87.5	0.0	173.4





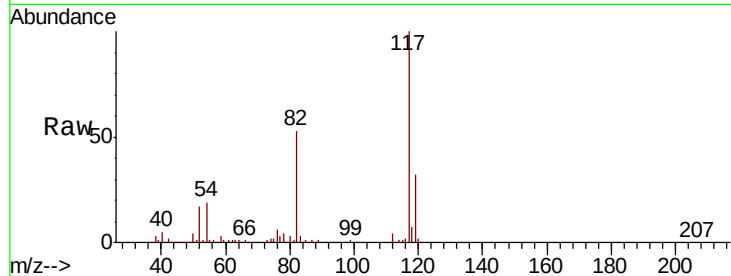
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.7	65.5
119	32.3	26.1	39.1

Manual Integrations
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8/10/2018 10:52:40 AM

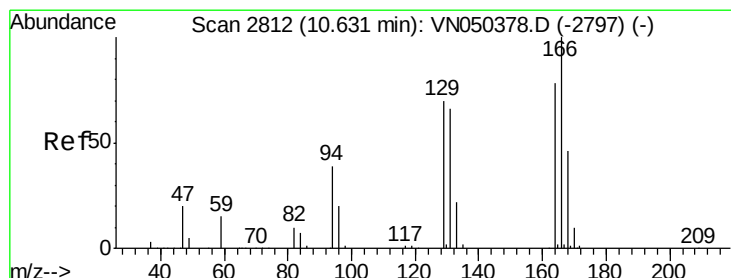
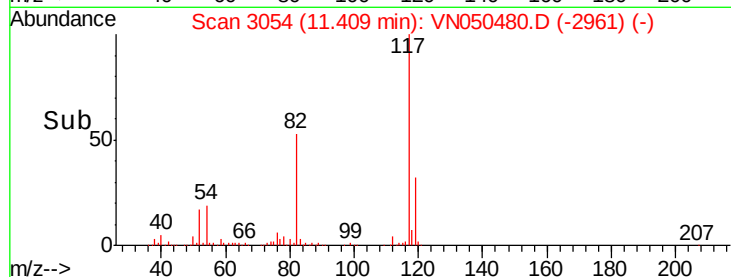
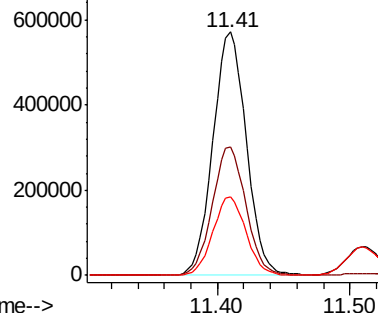


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.65 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.1	153.1
129	89.7	73.2	109.8
131	86.8	70.6	106.0

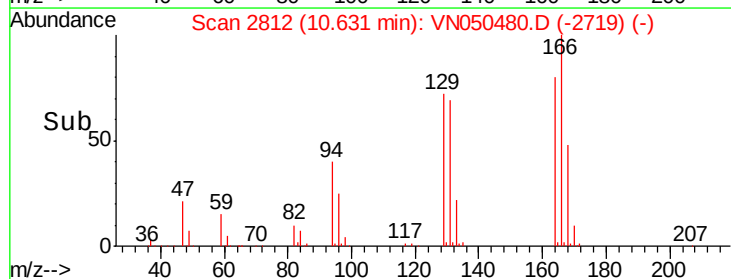
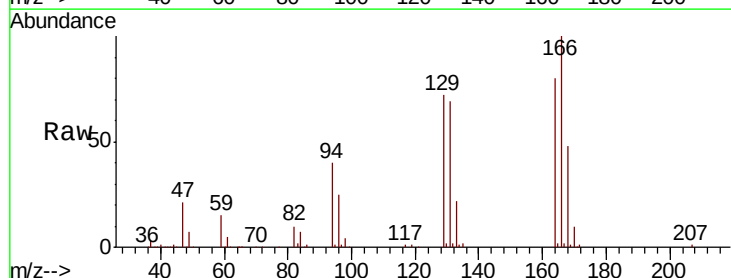
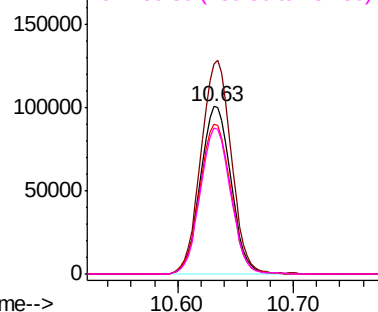
Abundance

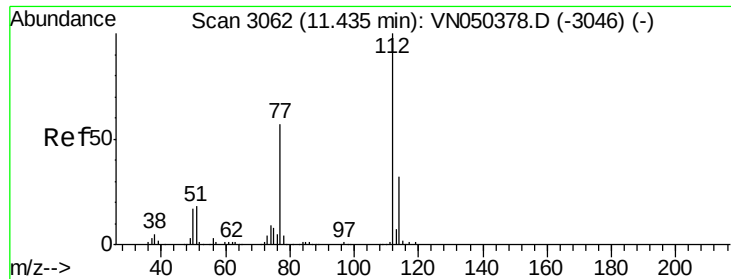
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





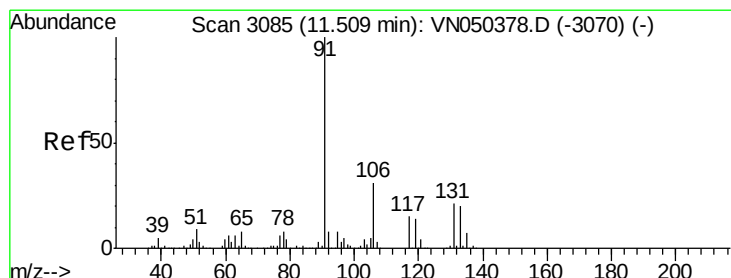
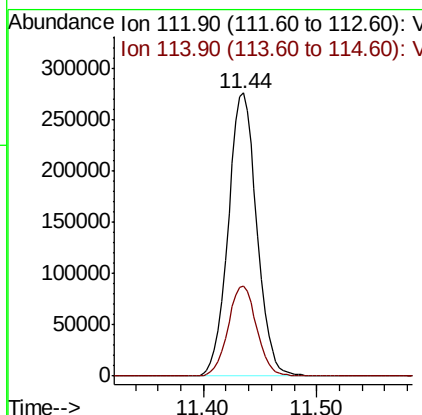
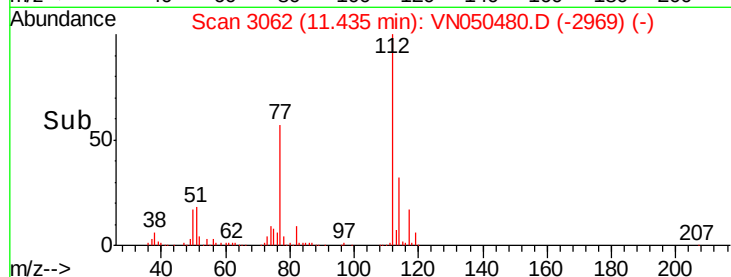
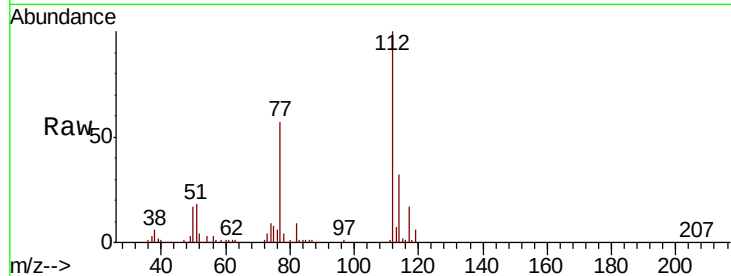
#65
Chlorobenzene
Concen: 19.27 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

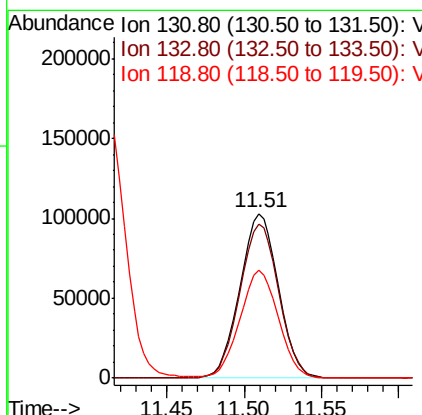
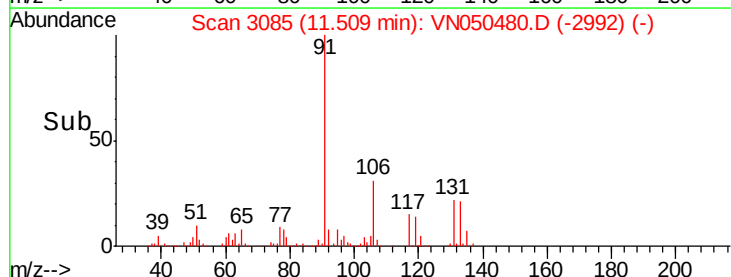
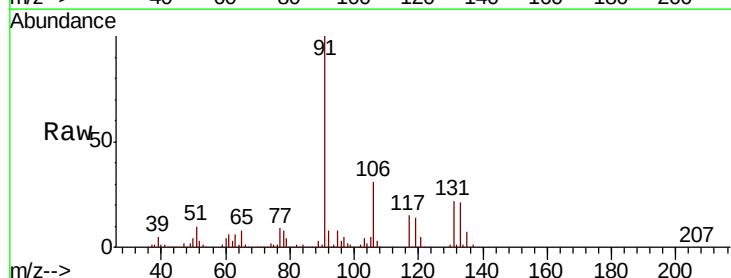
Manual Integrations
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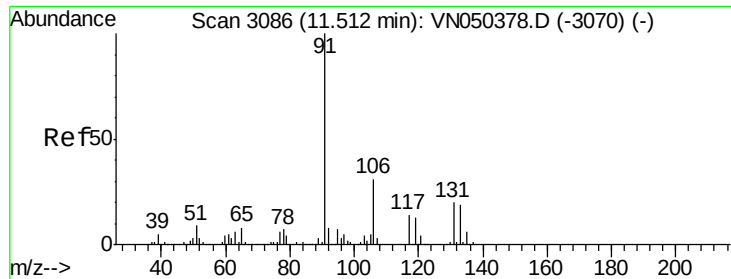
MMDadoda
8/10/2018 10:52:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	65.7	32.9	98.7





#67

Ethyl Benzene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 91 Resp: 807244

Ion Ratio Lower Upper

91 100

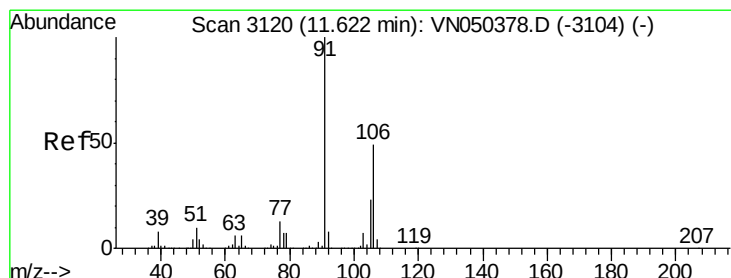
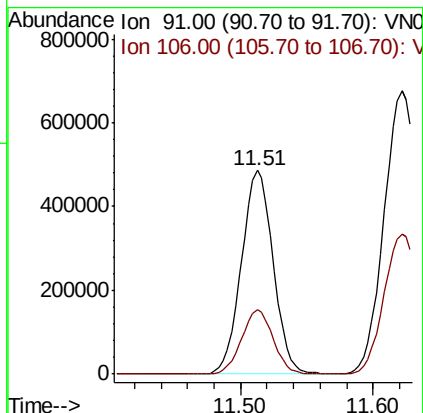
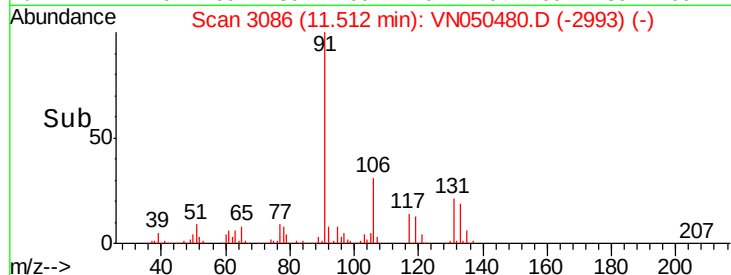
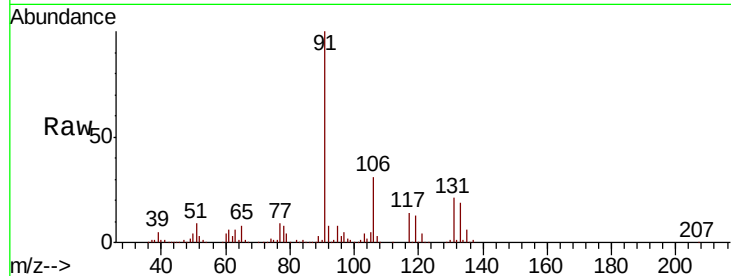
106 31.4 25.0 37.4

Manual Integrations

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8/10/2018 10:52:40 AM



#68

m/p-Xylenes

Concen: 41.12 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050480.D

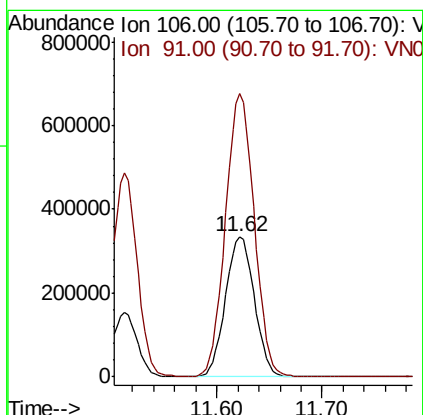
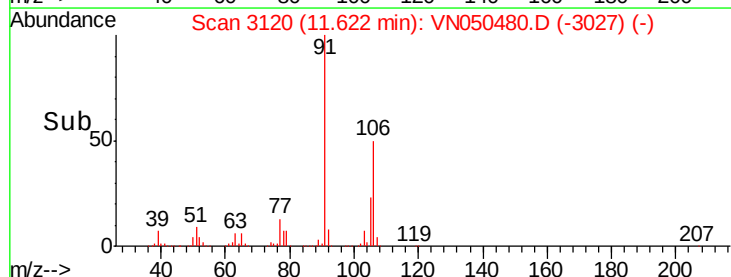
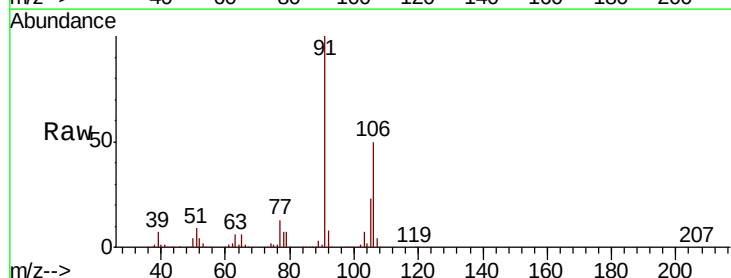
Acq: 9 Aug 2018 12:58

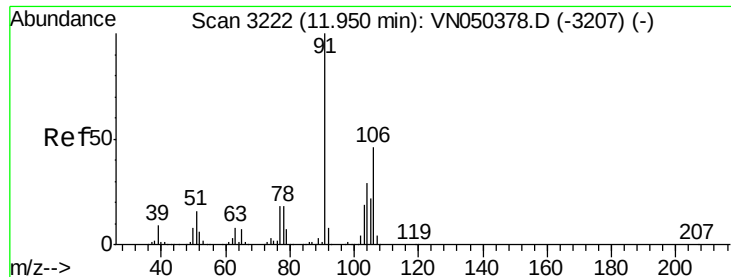
Tgt Ion: 106 Resp: 634687

Ion Ratio Lower Upper

106 100

91 200.5 162.2 243.2





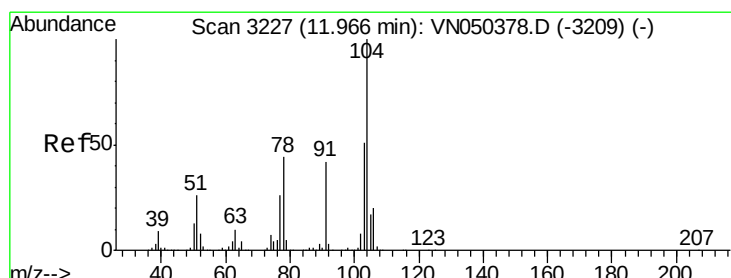
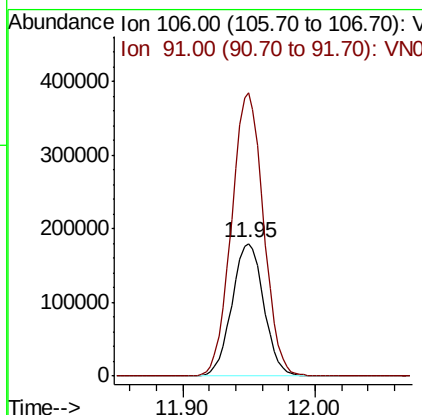
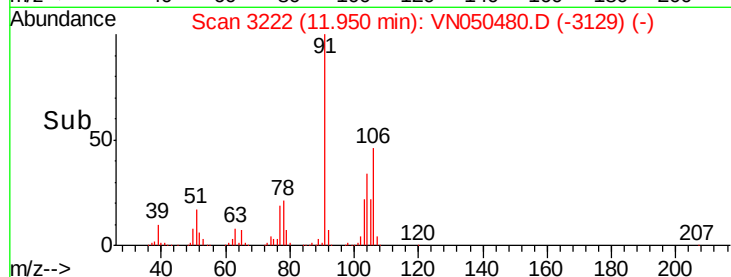
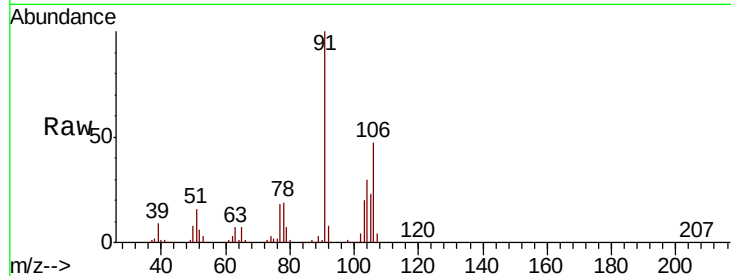
#69
o-Xylene
Concen: 20.19 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.7	323.1

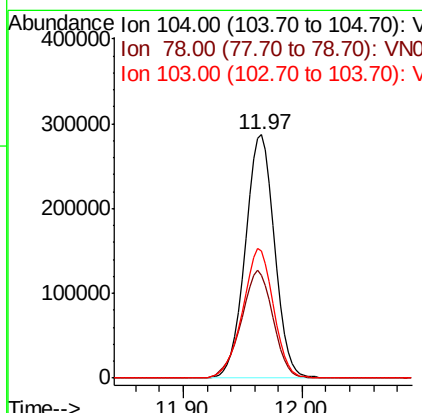
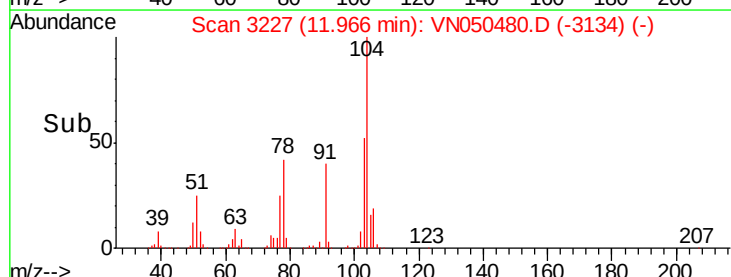
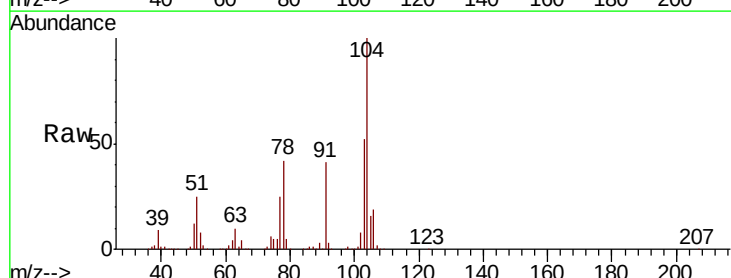
Manual Integrations
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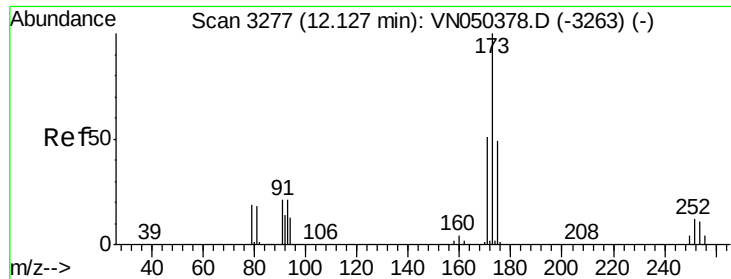
MMDadoda
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#70
Styrene
Concen: 20.19 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.3	58.9
103	56.1	45.0	67.6





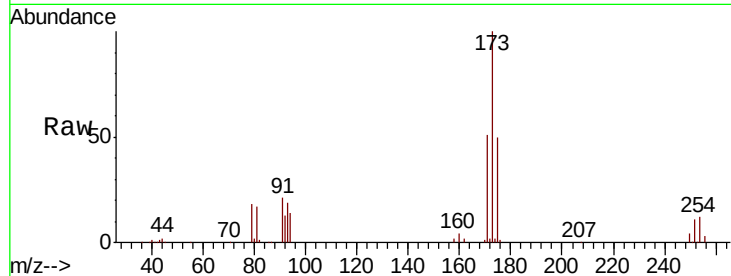
#71
Bromoform
Concen: 18.82 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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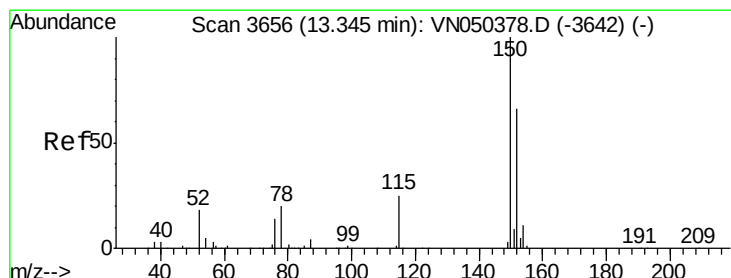
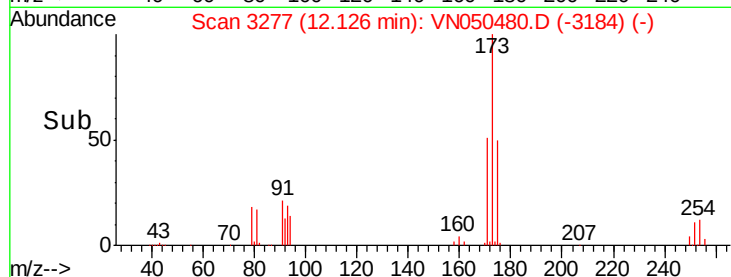
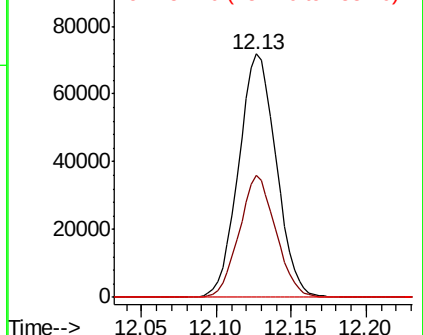


Abundance

Ion 172.70 (172.40 to 173.40): V

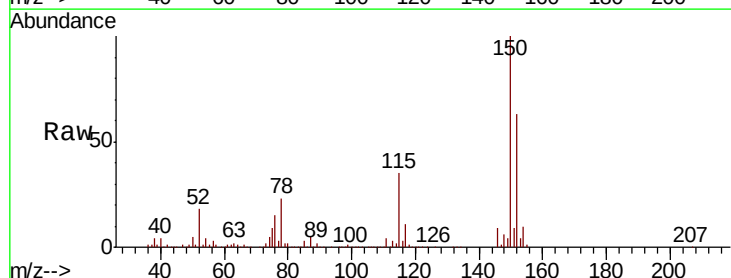
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	163.9	0.0	348.6

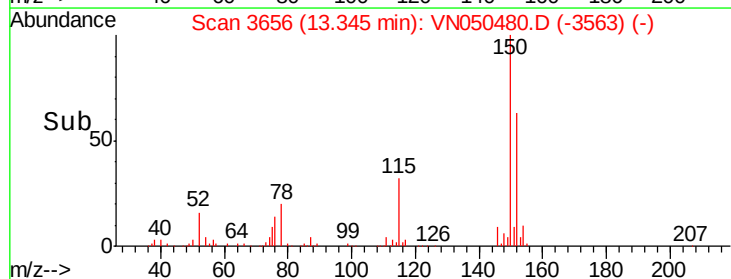
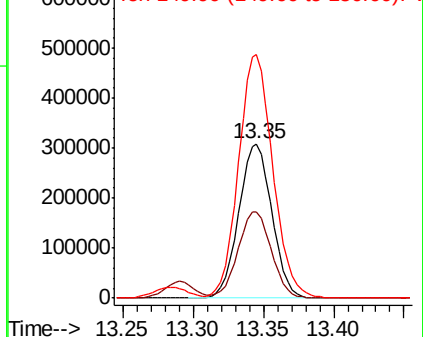


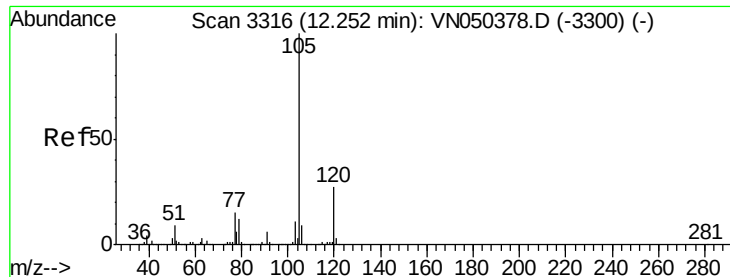
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.99 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion:105 Resp: 797843

Ion Ratio Lower Upper

105 100

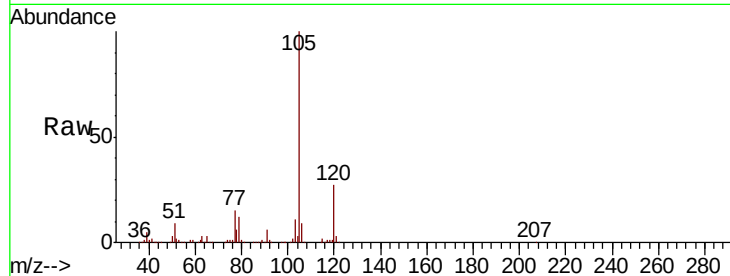
120 26.6 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

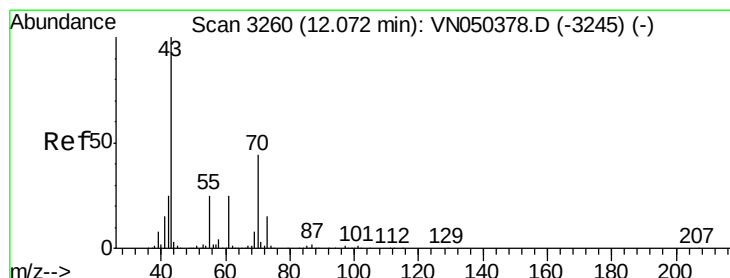
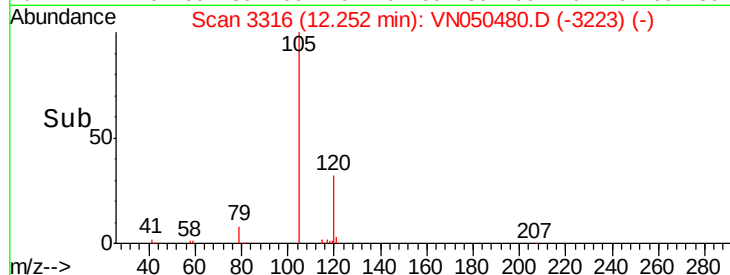
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.97 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion: 43 Resp: 221354

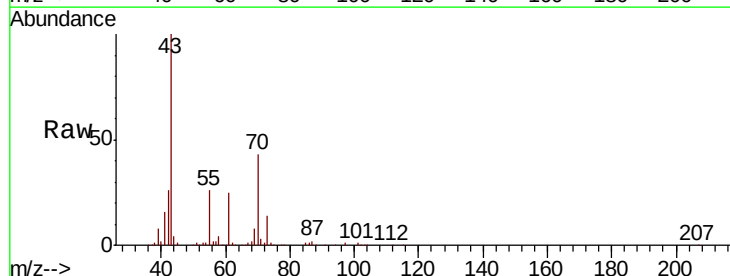
Ion Ratio Lower Upper

43 100

70 43.8 34.4 51.6

55 26.8 20.8 31.2

61 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

200000

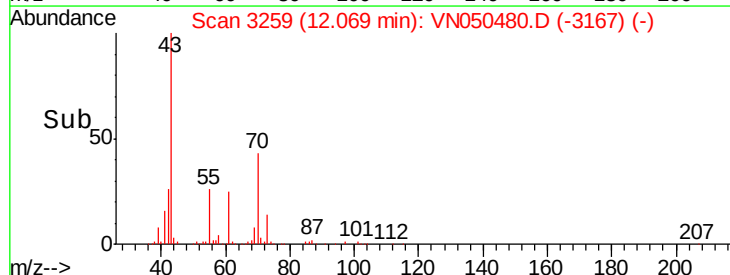
150000

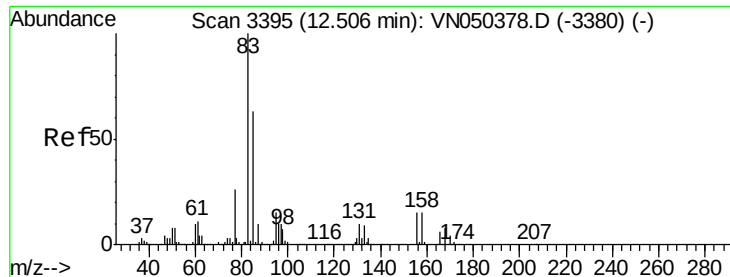
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.98 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

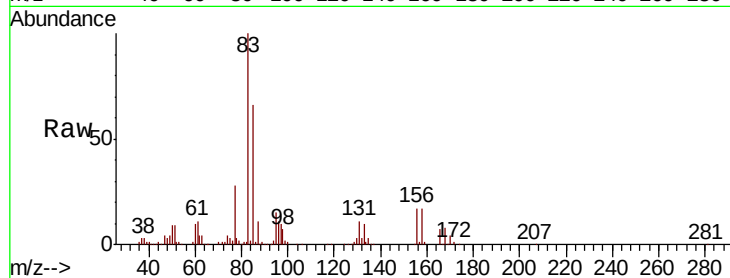
ClientSampleId :

VN0809MBS01

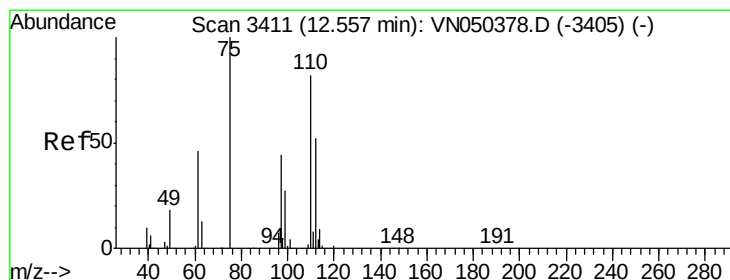
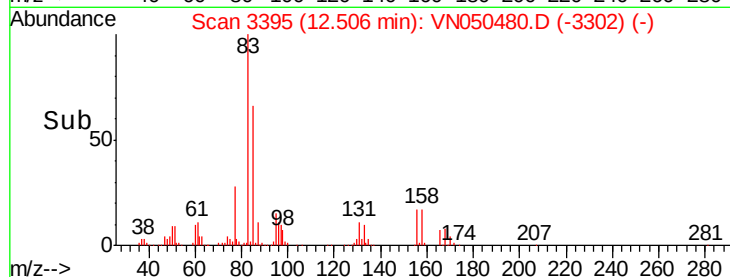
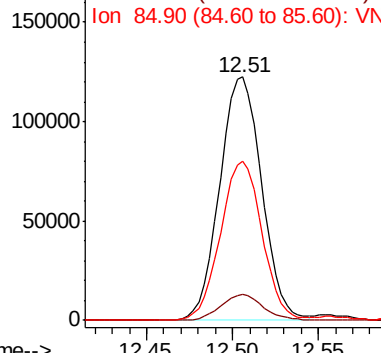
Tot Ion:	83	Resp:	208149
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 18.89 ug/l m

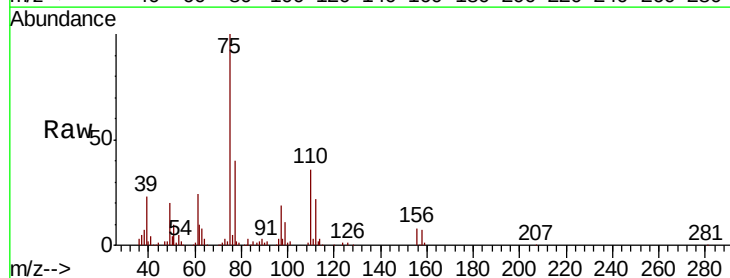
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

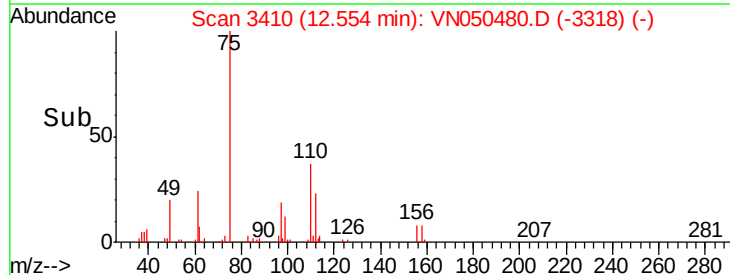
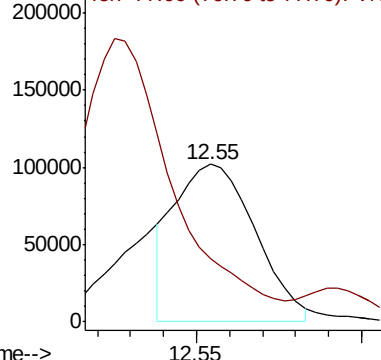
Lab File: VN050480.D

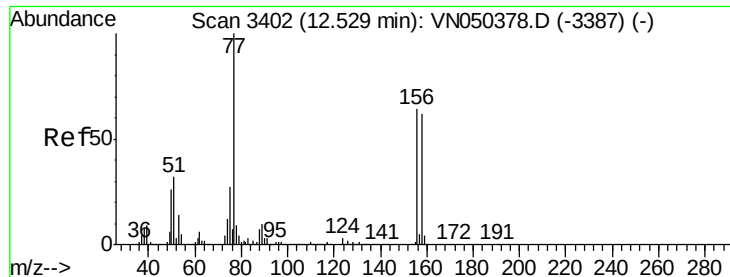
Acq: 9 Aug 2018 12:58

Tgt Ion:	75	Resp:	173166
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)





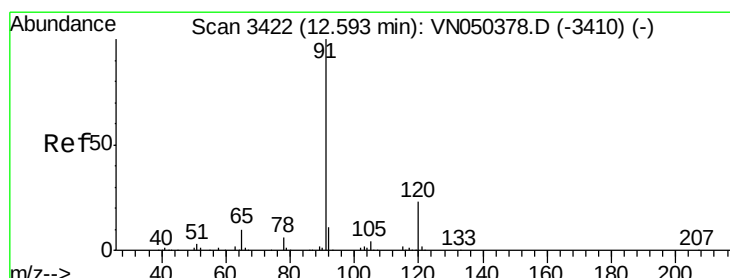
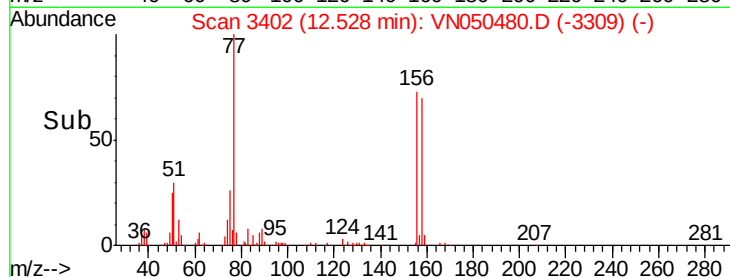
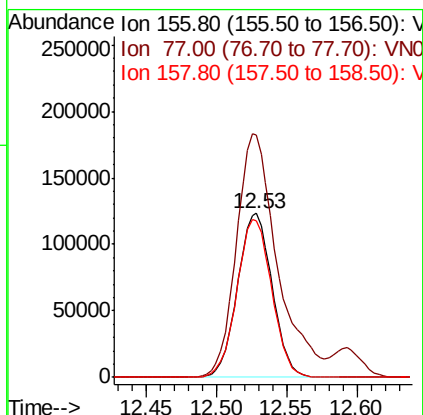
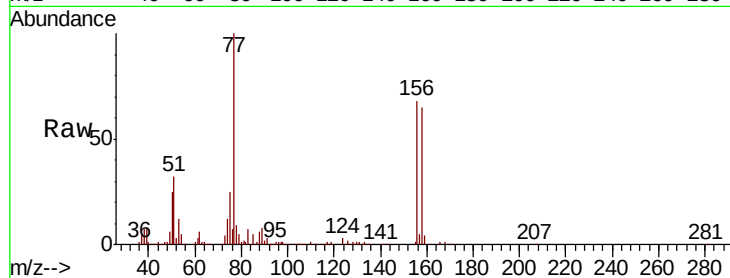
#77
Bromobenzene
Concen: 20.81 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.4	91.7	275.1
158	97.1	48.9	146.6

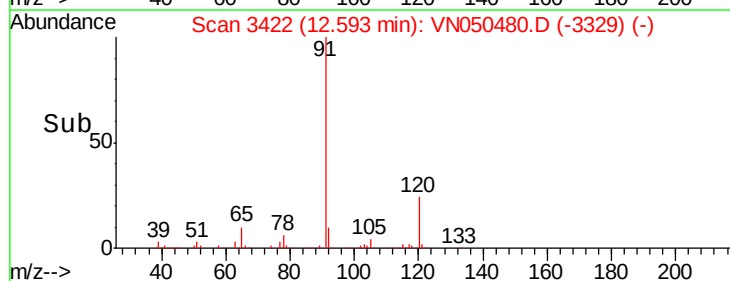
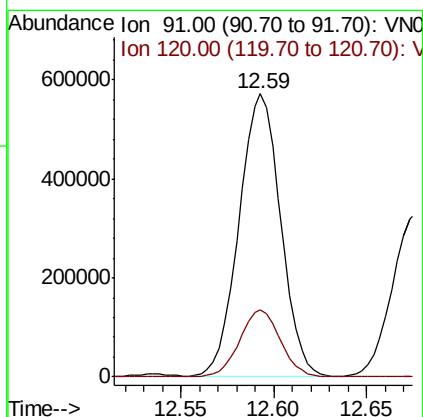
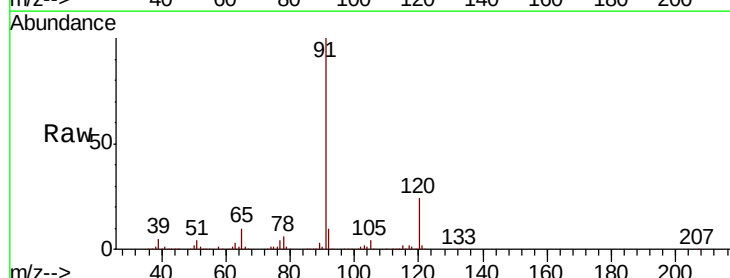
Manual Integrations
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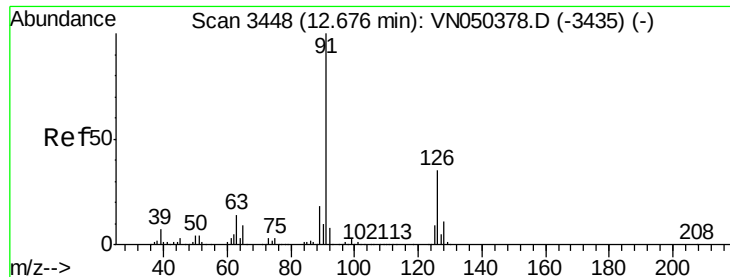
MMDadoda
8/10/2018 10:52:40 AM



#78
n-propylbenzene
Concen: 20.68 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.59 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampled :

VN0809MBS01

Tot Ion: 91 Resp: 547176

Ion Ratio Lower Upper

91 100

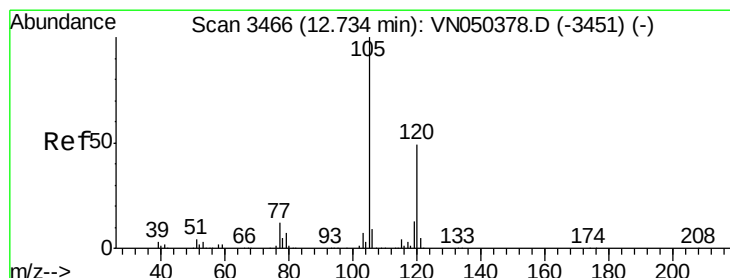
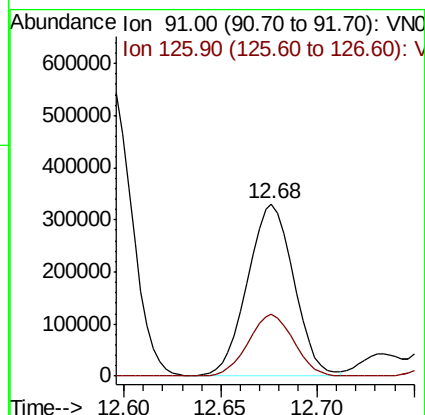
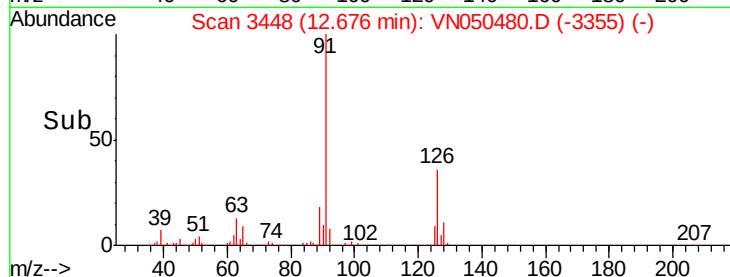
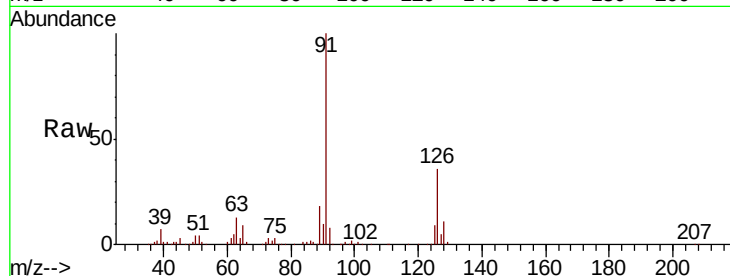
126 35.6 17.6 52.8

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050480.D

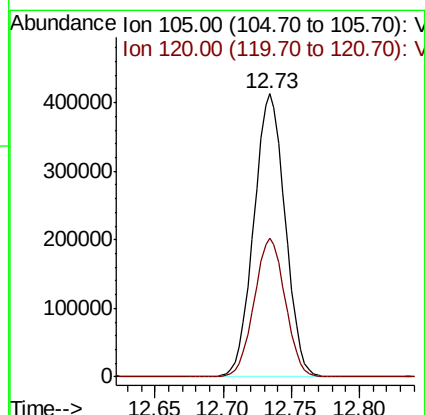
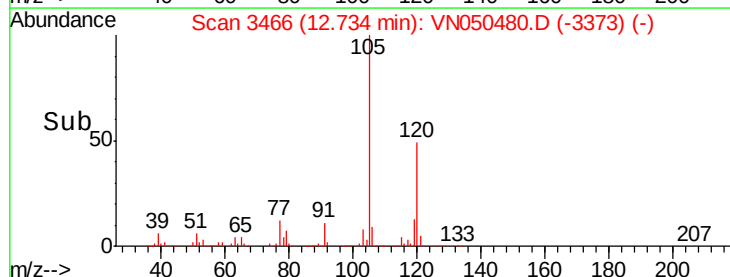
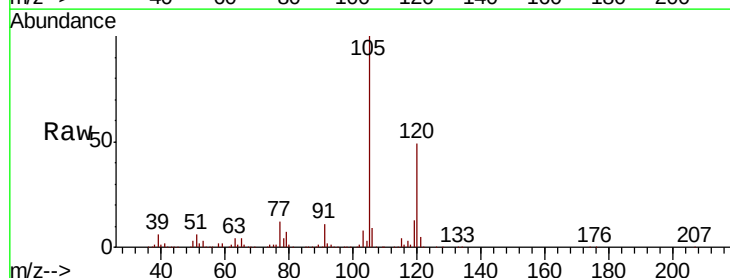
Acq: 9 Aug 2018 12:58

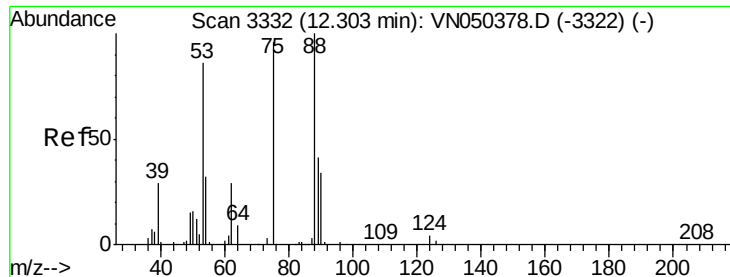
Tgt Ion: 105 Resp: 655187

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





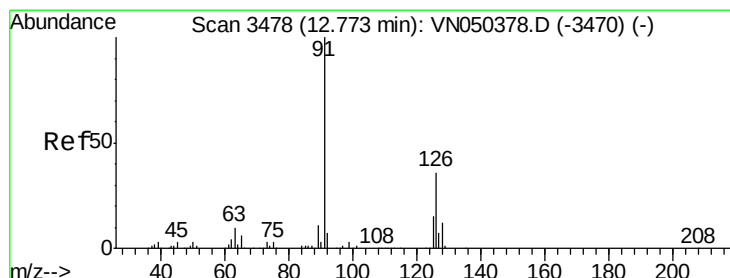
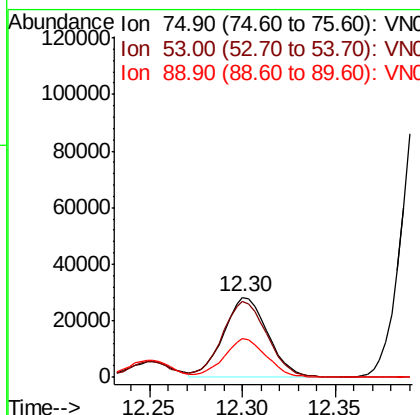
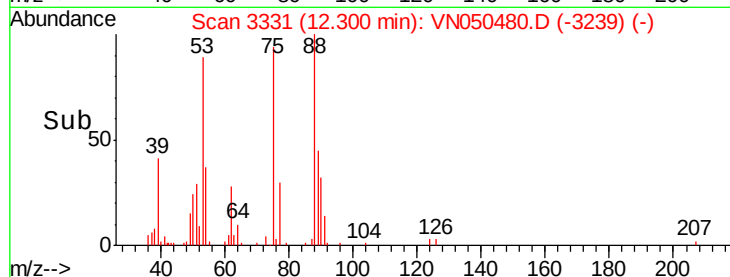
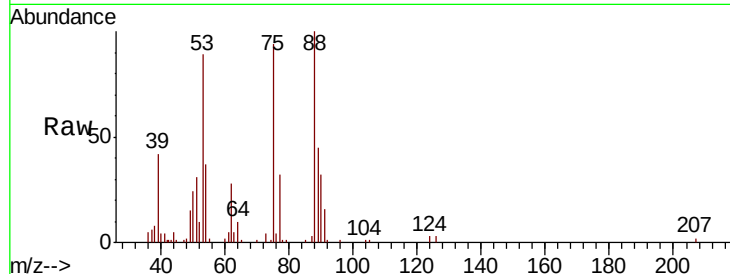
#81
trans-1,4-Dichloro-2-butene
Concen: 18.06 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.5	110.3
89	46.0	36.0	54.0

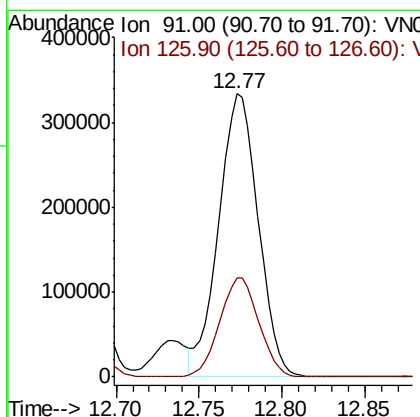
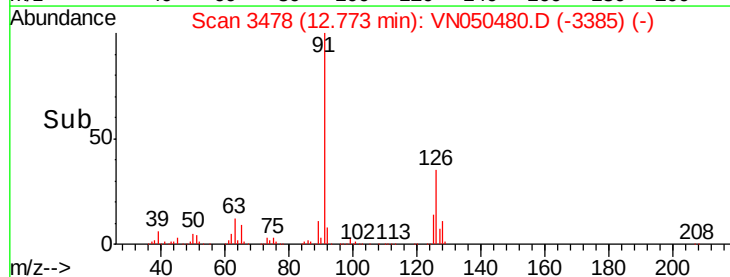
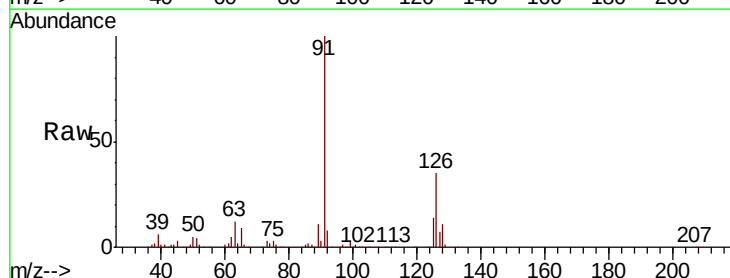
Manual Integrations
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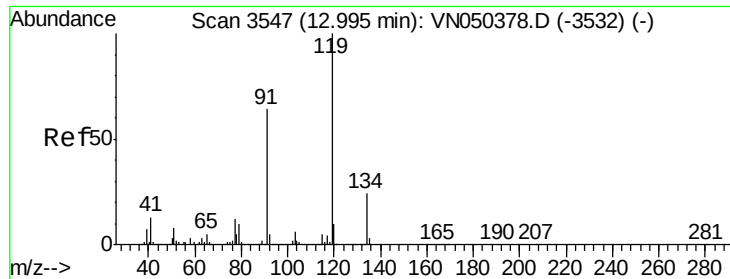
MMDadoda
8/10/2018 10:52:40 AM



#82
4-Chlorotoluene
Concen: 20.81 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.0	51.0





#83

tert-Butylbenzene

Concen: 20.81 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

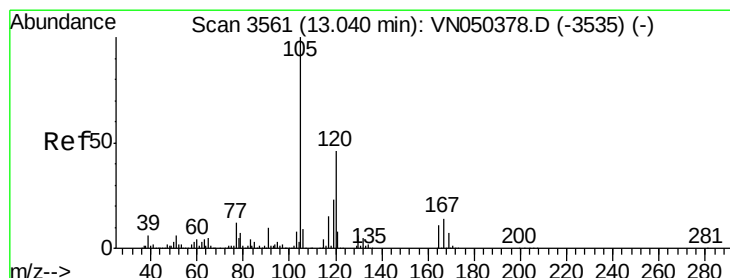
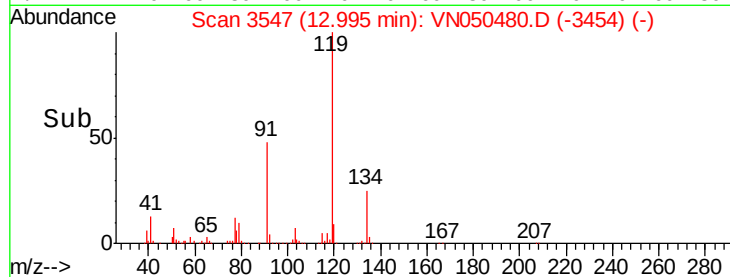
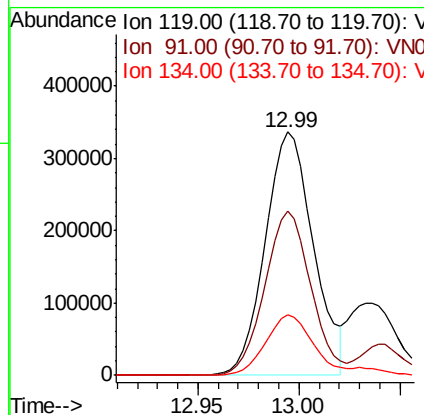
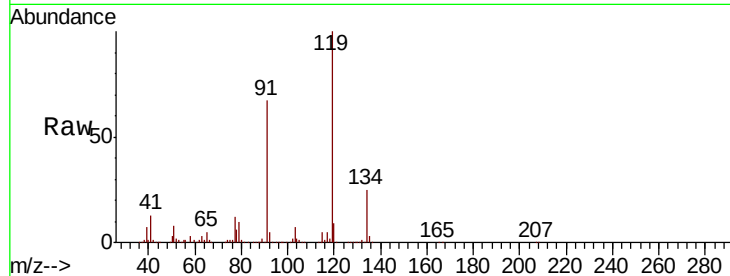
ClientSampleId :

VN0809MBS01

Tot Ion:	119	Resp:	560103
Ion Ratio	Lower	Upper	
119	100		
91	64.4	32.1	96.3
134	26.5	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.41 ug/l

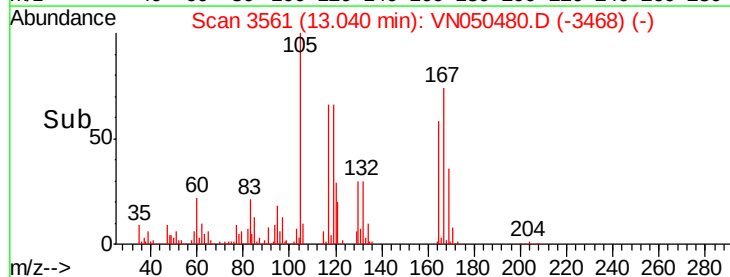
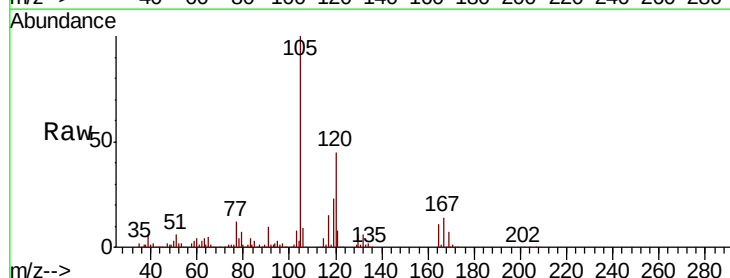
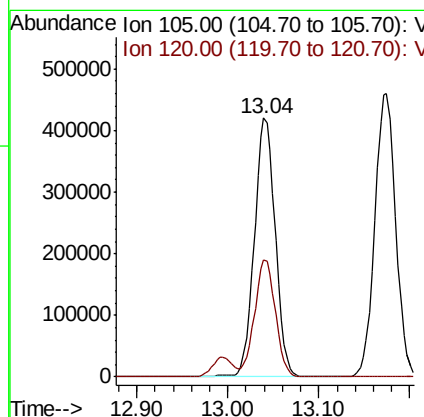
RT: 13.04 min Scan# 3561

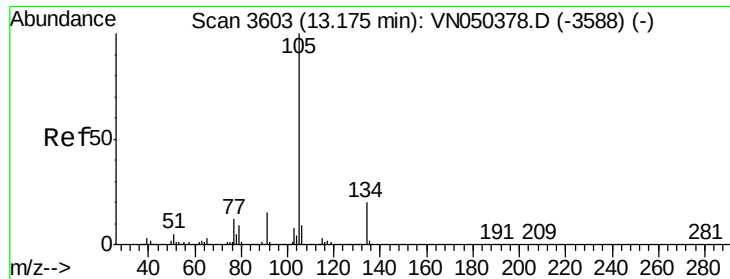
Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Tgt Ion:	105	Resp:	669140
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.31 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion:105 Resp: 728412

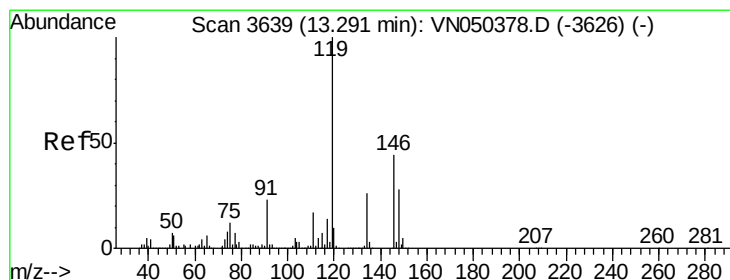
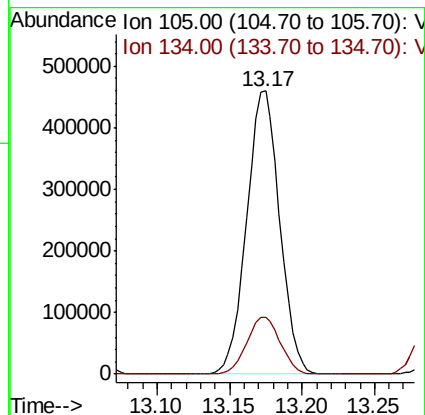
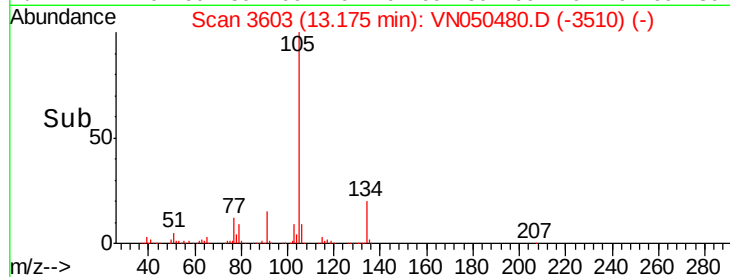
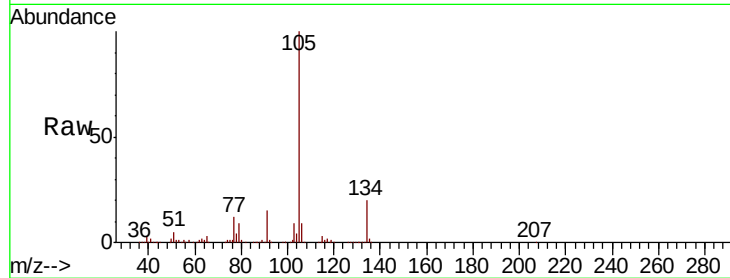
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.44 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050480.D

Acq: 9 Aug 2018 12:58

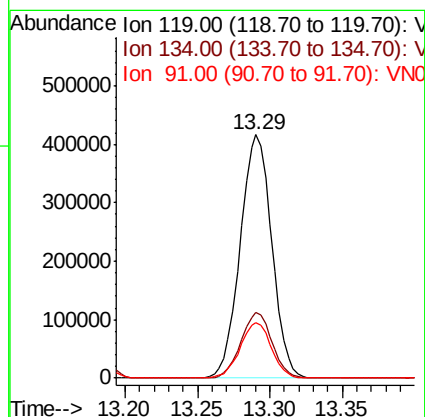
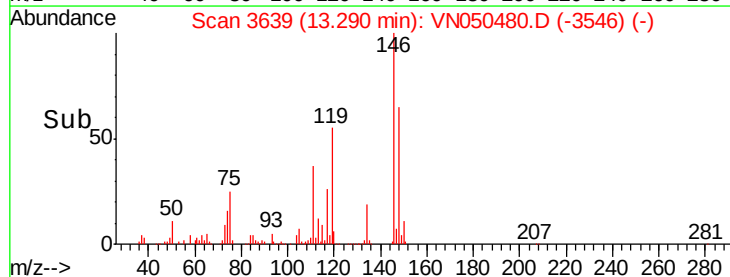
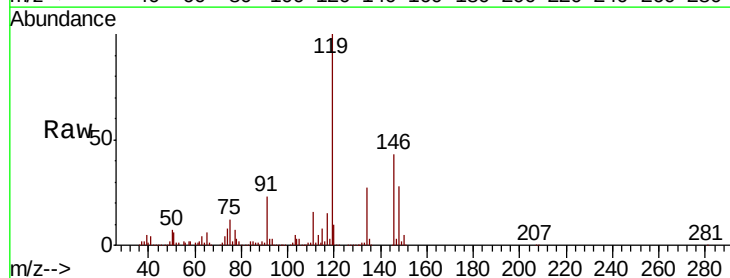
Tgt Ion:119 Resp: 628311

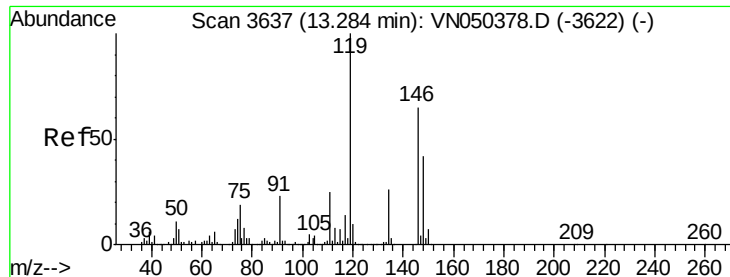
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.4 11.4 34.2





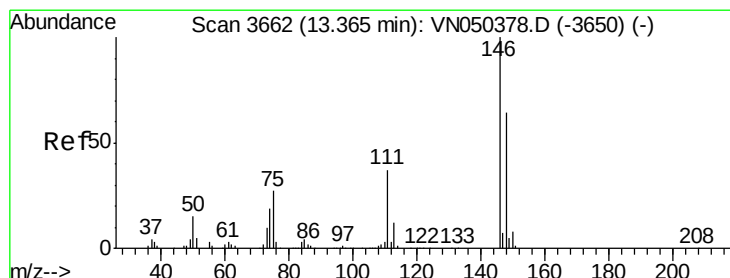
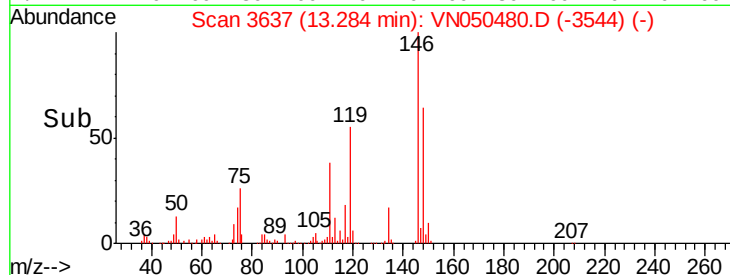
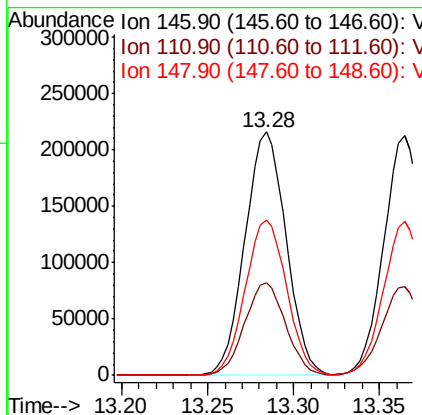
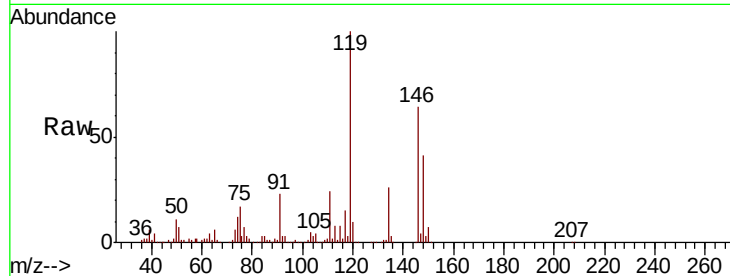
#87
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	359765		
111	37.8	18.8	56.4	
148	64.2	31.9	95.9	

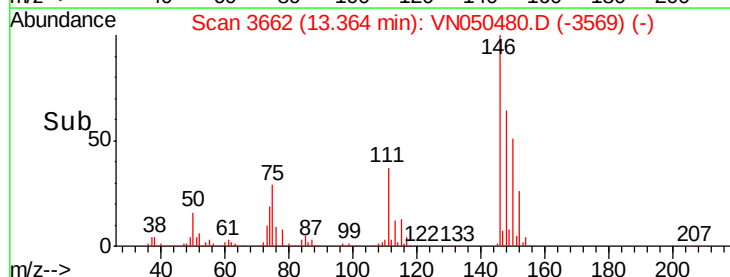
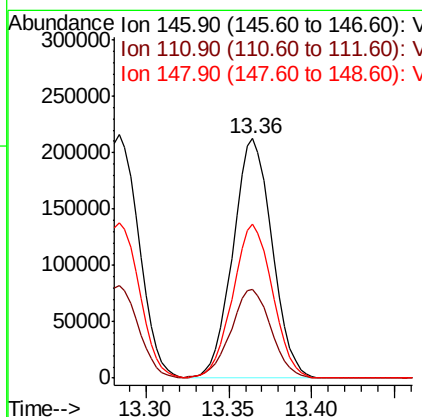
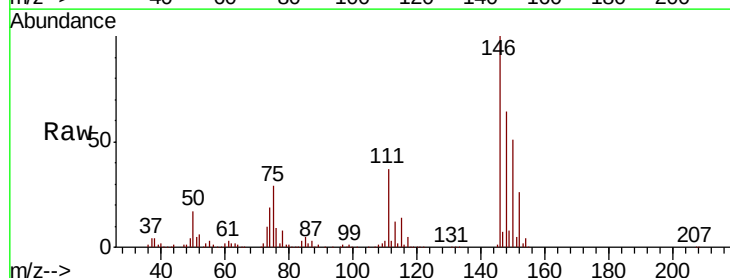
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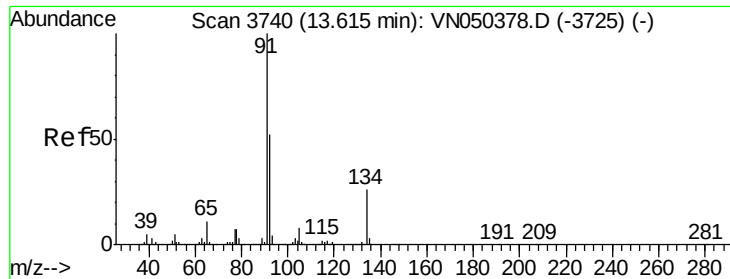
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 8/10/2018 10:52:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	349563		
111	38.3	18.3	54.9	
148	65.1	31.9	95.9	





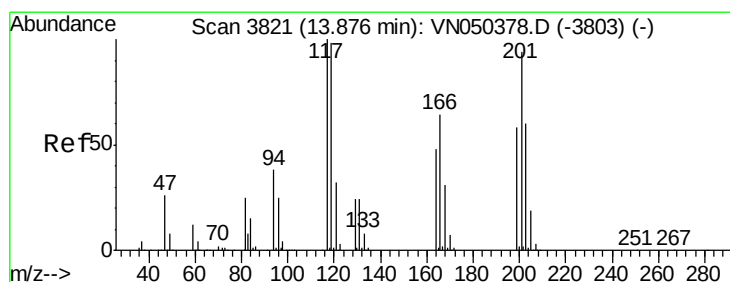
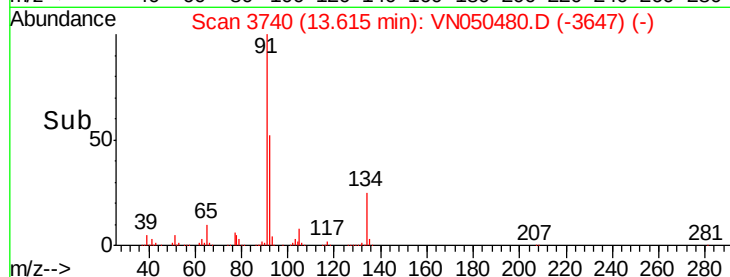
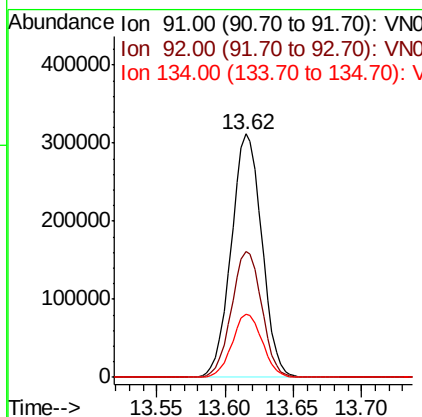
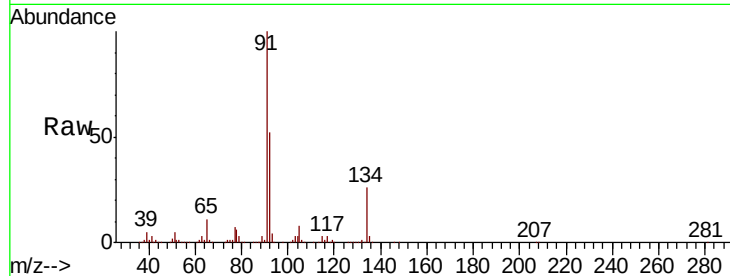
#89
n-Butylbenzene
Concen: 18.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	25.6	12.8	38.4

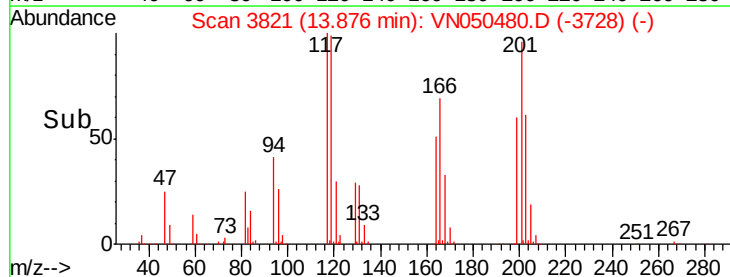
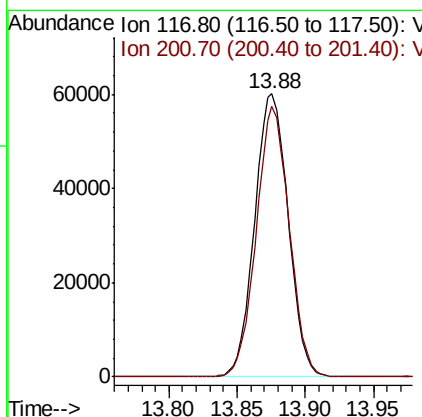
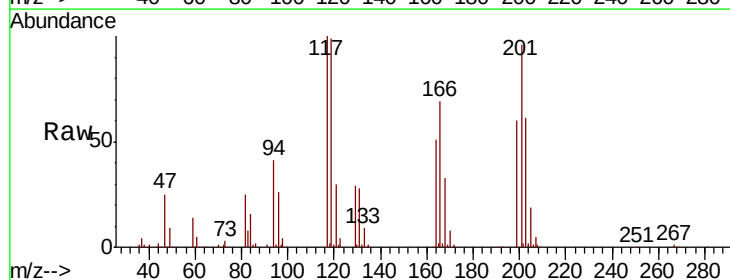
Manual Integrations
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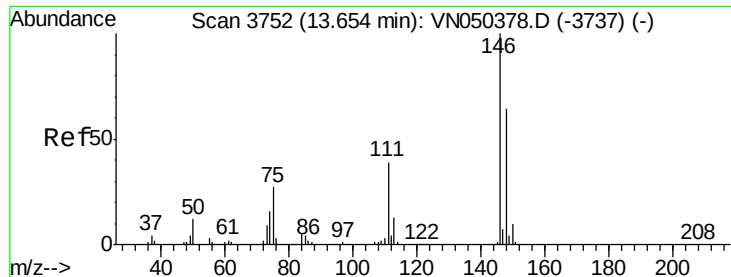
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#90
Hexachloroethane
Concen: 18.83 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	45.6	136.8





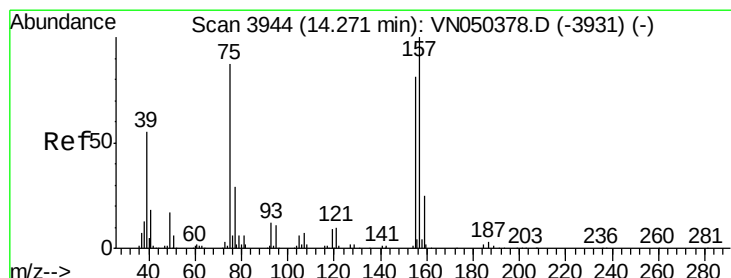
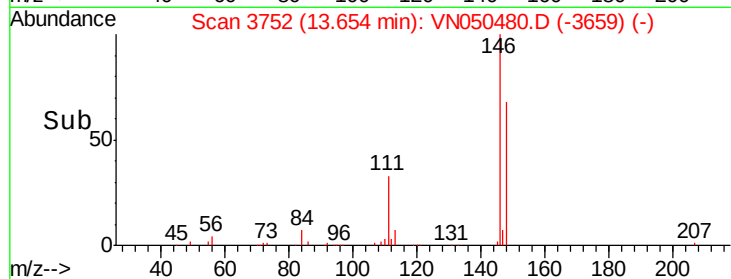
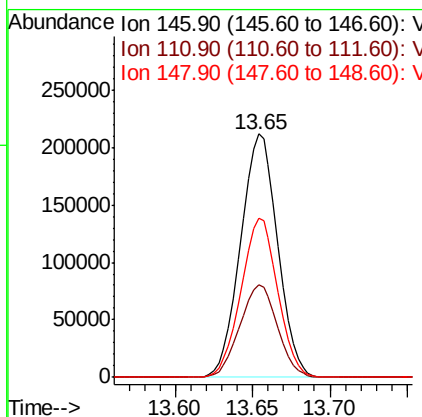
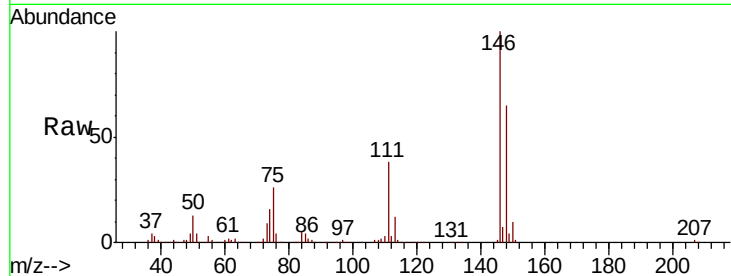
#91
 1,2-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.8	32.1	96.3

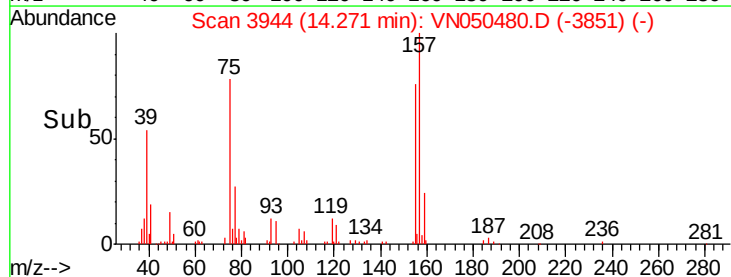
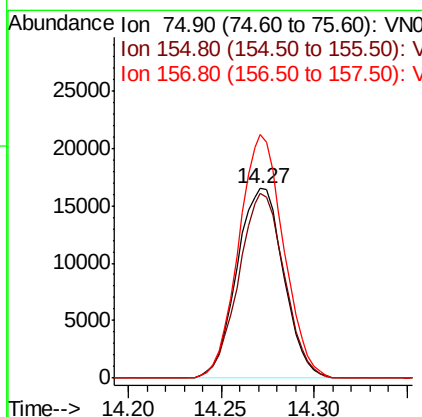
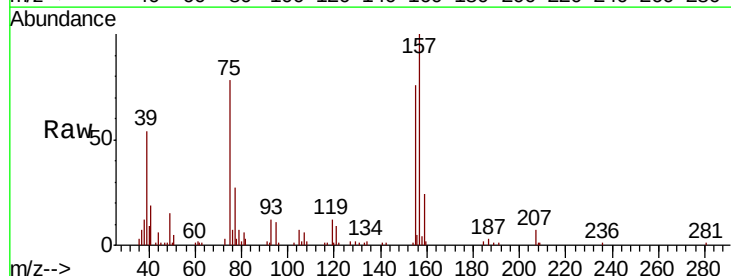
Manual Integrations
 APPROVED

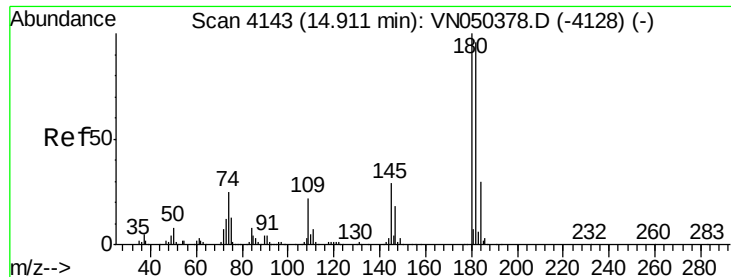
MMDadoda
 8/10/2018 10:52:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.49 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	44.8	134.4
157	123.2	57.2	171.6





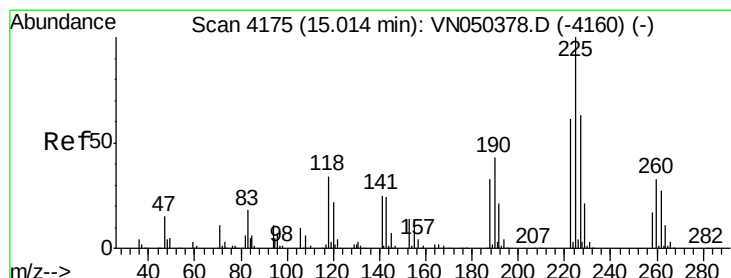
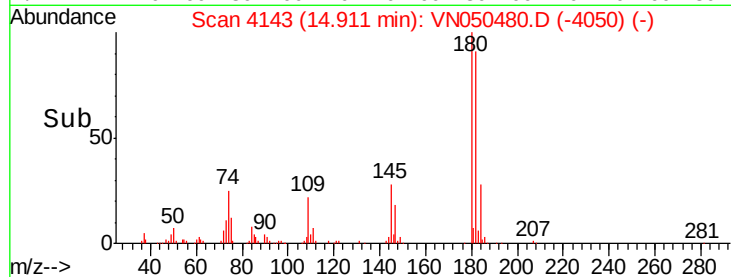
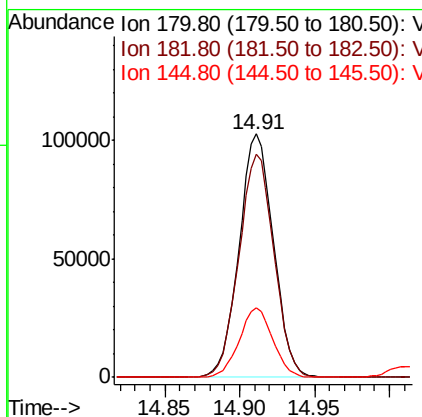
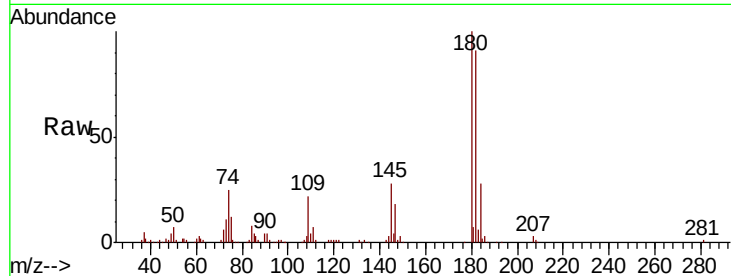
#93
 1,2,4-Trichlorobenzene
 Concen: 17.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	163598		
182	93.6	46.7	140.1	
145	27.9	13.8	41.4	

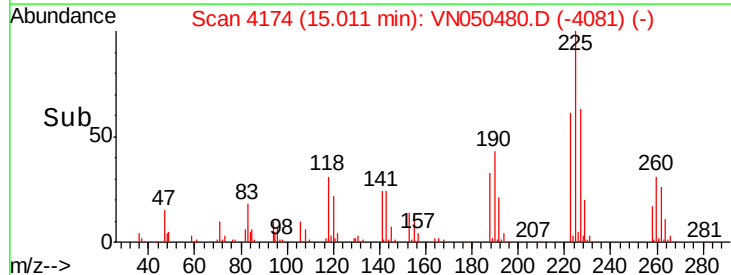
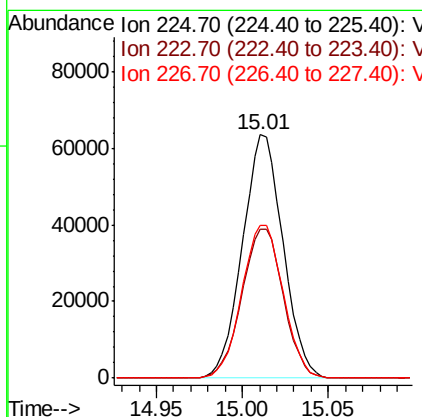
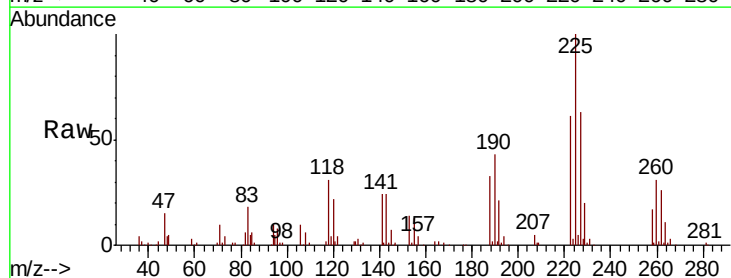
Manual Integrations
 APPROVED

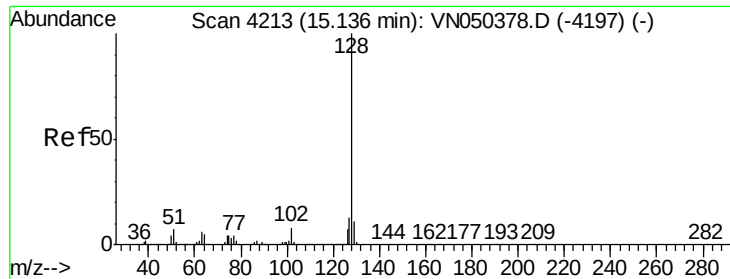
MMDadoda
 8/10/2018 10:52:40 AM



#94
 Hexachlorobutadiene
 Concen: 19.61 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050480.D
 Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104244		
223	62.6	31.4	94.2	
227	63.8	32.1	96.5	





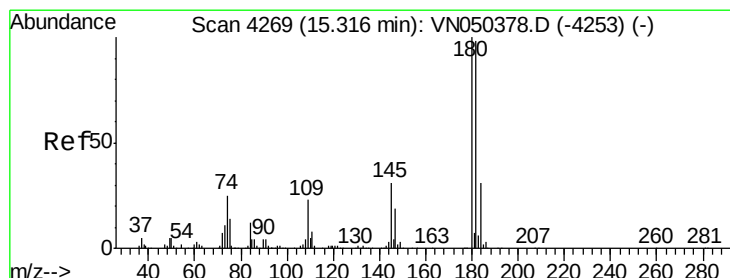
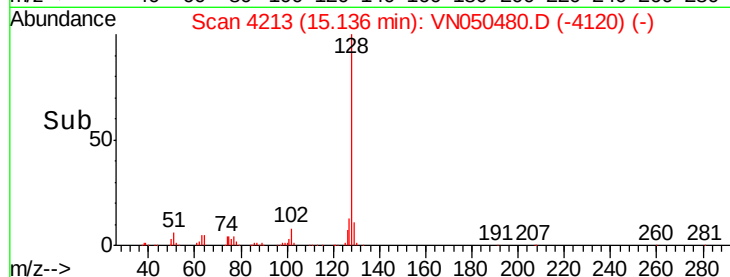
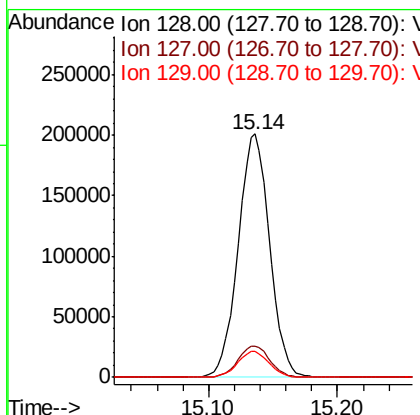
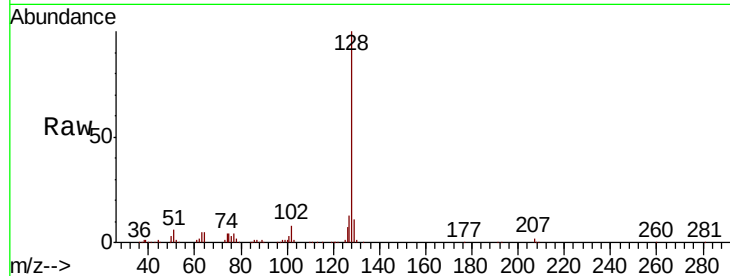
#95
Naphthalene
Concen: 16.49 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	340245		
127	13.1		10.4	15.6
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:52:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.03 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050480.D
Acq: 9 Aug 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	159414		
182	93.9		48.1	144.4
145	29.7		15.3	45.9

