

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050786.D
 Acq On : 21 Aug 2018 13:43
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:06 AM

Quant Time: Aug 22 05:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	591488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	902190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267946	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	6442	0.81	ug/l	96
3) Chloromethane	2.06	50	11201	1.15	ug/l	96
4) Vinyl Chloride	2.19	62	9611	1.04	ug/l	95
5) Bromomethane	2.57	94	8804	1.48	ug/l	99
6) Chloroethane	2.70	64	5635	1.05	ug/l	95
7) Trichlorofluoromethane	3.02	101	11971	1.01	ug/l	99
8) Diethyl Ether	3.41	74	3946	0.98	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7975	1.08	ug/l	96
12) 1,1-Dichloroethene	3.74	96	6535	0.98	ug/l	95
14) Allyl chloride	4.33	41	10049	0.97	ug/l	97
15) Acrylonitrile	5.00	53	10436	4.53	ug/l #	90
16) Acetone	3.83	43	11914	6.07	ug/l	99
17) Carbon Disulfide	4.05	76	28246	1.27	ug/l	100
18) Methyl Acetate	4.34	43	8654m	1.28	ug/l	
19) Methyl tert-butyl Ether	5.05	73	15342	0.92	ug/l	91
20) Methylene Chloride	4.55	84	9442	1.18	ug/l #	91
21) trans-1,2-Dichloroethene	5.05	96	7826m	1.09	ug/l	
22) Diisopropyl ether	5.95	45	17950	0.87	ug/l #	79
23) Vinyl Acetate	5.90	43	55517	4.18	ug/l	98
24) 1,1-Dichloroethane	5.85	63	14000	1.06	ug/l	98
25) 2-Butanone	6.84	43	16559	5.77	ug/l	98
26) 2,2-Dichloropropane	6.82	77	11370	1.07	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	7495	0.97	ug/l	89
28) Bromochloromethane	7.20	49	5216	0.93	ug/l #	92
29) Tetrahydrofuran	7.22	42	7320	4.45	ug/l #	80
30) Chloroform	7.37	83	13340	1.02	ug/l	98
31) Cyclohexane	7.66	56	19786	1.50	ug/l #	23
32) 1,1,1-Trichloroethane	7.56	97	11698	1.04	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	10454	0.98	ug/l	96
37) Ethyl Acetate	6.94	43	5786m	0.99	ug/l	
38) Carbon Tetrachloride	7.77	117	10675	0.99	ug/l	97
39) Methylcyclohexane	9.08	83	10789	0.94	ug/l	95
40) Benzene	8.04	78	31082	0.97	ug/l	92
41) Methacrylonitrile	7.19	41	3093m	1.00	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	8855	0.92	ug/l	95
43) Isopropyl Acetate	8.17	43	9091	0.86	ug/l	97
44) Trichloroethene	8.84	130	8215	0.97	ug/l	92
45) 1,2-Dichloropropane	9.12	63	8416	1.00	ug/l	93
46) Dibromomethane	9.21	93	4903	0.99	ug/l	91
47) Bromodichloromethane	9.41	83	9327	0.90	ug/l #	80
48) Methyl methacrylate	9.20	41	4625	0.86	ug/l #	64
49) 1,4-Dioxane	9.21	88	1132	15.50	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	29304	4.67	ug/l	95
52) Toluene	10.16	92	15941	0.84	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	9008	0.87	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	9988	0.84	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	6991	0.99	ug/l	88
56) Ethyl methacrylate	10.43	69	5539	0.69	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	10596	0.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	10418	3.05	ug/l	97
59) 2-Hexanone	10.75	43	19401	4.64	ug/l	87
60) Dibromochloromethane	10.90	129	6982	0.88	ug/l	97
61) 1,2-Dibromoethane	11.01	107	5787	0.85	ug/l	96
64) Tetrachloroethene	10.63	164	7957	1.10	ug/l	87
65) Chlorobenzene	11.43	112	20284	1.02	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	7347	1.01	ug/l #	65
67) Ethyl Benzene	11.51	91	28786	0.89	ug/l	98
68) m/p-Xylenes	11.62	106	19713	1.61	ug/l	99
69) o-Xylene	11.95	106	9645	0.82	ug/l	97
70) Styrene	11.97	104	12776	0.69	ug/l	95
71) Bromoform	12.13	173	4471	0.89	ug/l #	95
73) Isopropylbenzene	12.25	105	23247	1.05	ug/l	98
74) N-amyl acetate	12.07	43	5536	0.99	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	7963	1.33	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	5310m	1.17	ug/l	
77) Bromobenzene	12.53	156	7180	1.19	ug/l	95
78) n-propylbenzene	12.59	91	23939	0.97	ug/l	99
79) 2-Chlorotoluene	12.67	91	16602	1.08	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	16468	0.92	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1356	0.98	ug/l	86
82) 4-Chlorotoluene	12.77	91	14918	0.98	ug/l	99
83) tert-Butylbenzene	12.99	119	15173	0.98	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	15652	0.87	ug/l	96
85) sec-Butylbenzene	13.17	105	18163	0.89	ug/l	100
86) p-Isopropyltoluene	13.29	119	14013	0.81	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	10673	1.04	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	11282m	1.12	ug/l	
89) n-Butylbenzene	13.62	91	11159	0.81	ug/l	93
90) Hexachloroethane	13.87	117	4696	1.31	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	10866	1.10	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	920	1.15	ug/l	81
93) 1,2,4-Trichlorobenzene	14.91	180	3732	0.87	ug/l	97
94) Hexachlorobutadiene	15.01	225	4150	1.29	ug/l	97
95) Naphthalene	15.13	128	6902	0.81	ug/l	98

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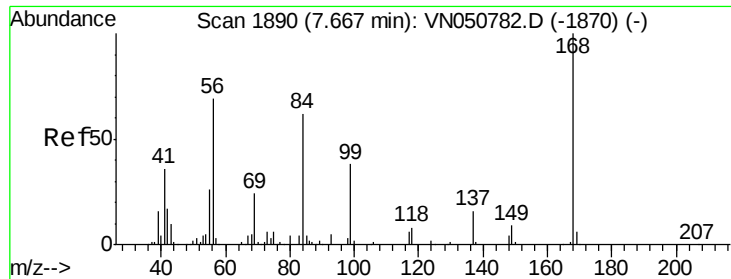
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3804	0.91	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 591488

Ion Ratio Lower Upper

168 100

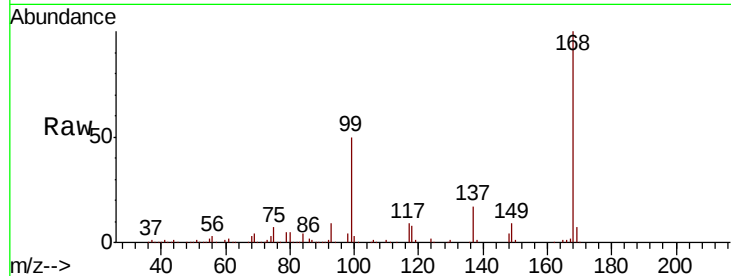
99 49.8 39.6 59.4

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8/22/2018 11:19:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

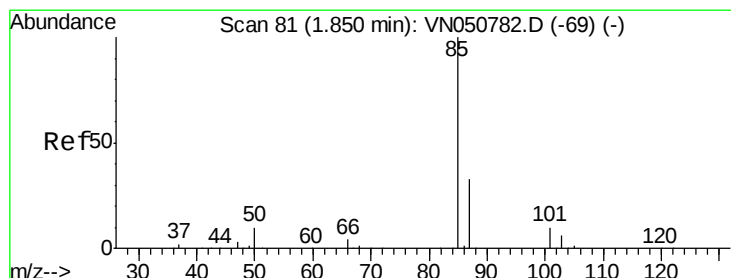
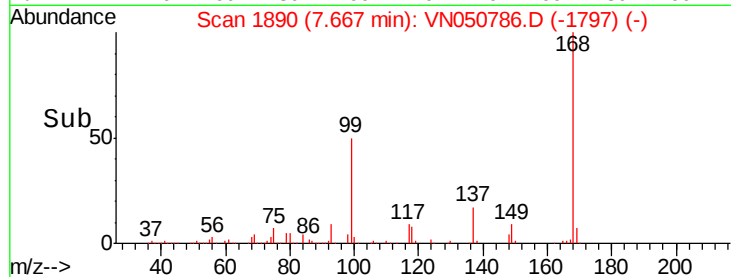
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.81 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050786.D

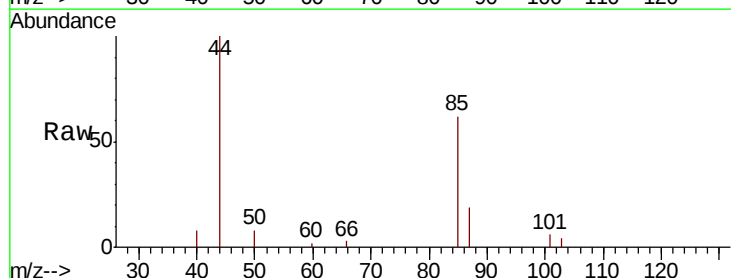
Acq: 21 Aug 2018 13:43

Tgt Ion: 85 Resp: 6442

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

5000

4000

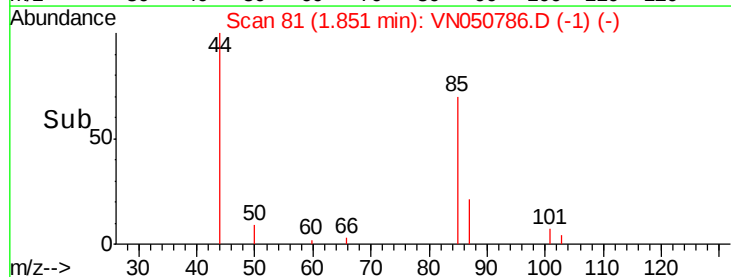
3000

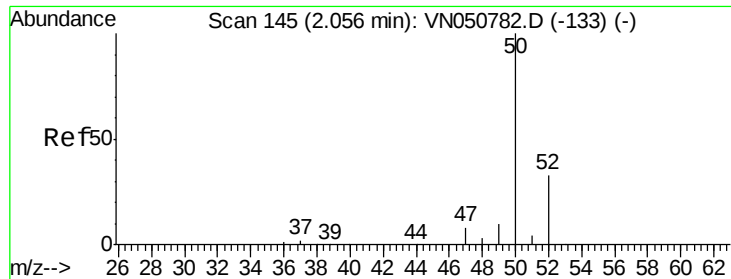
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.15 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 11201

Ion Ratio Lower Upper

50 100

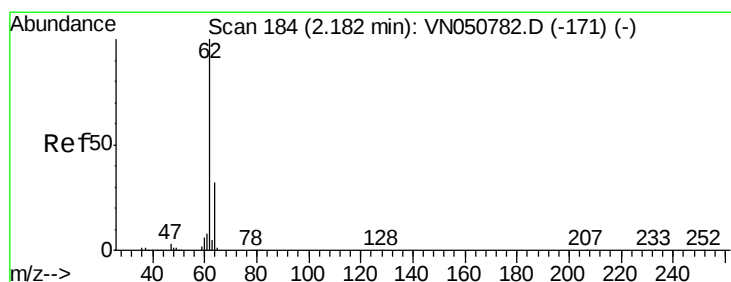
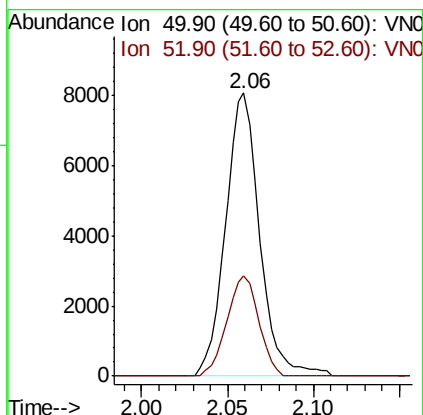
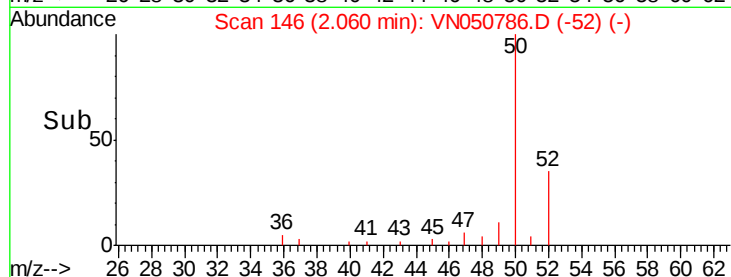
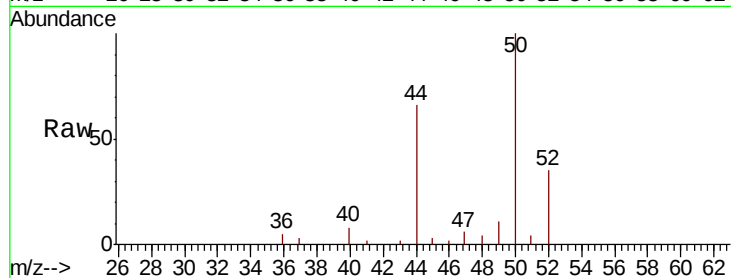
52 35.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.04 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050786.D

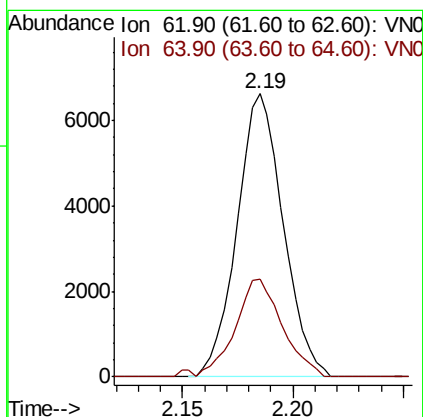
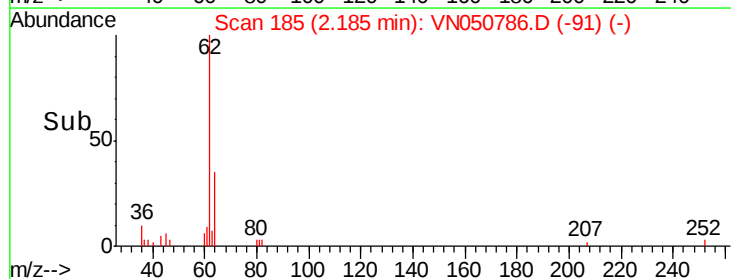
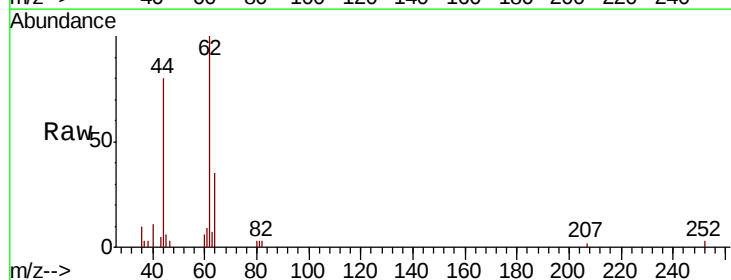
Acq: 21 Aug 2018 13:43

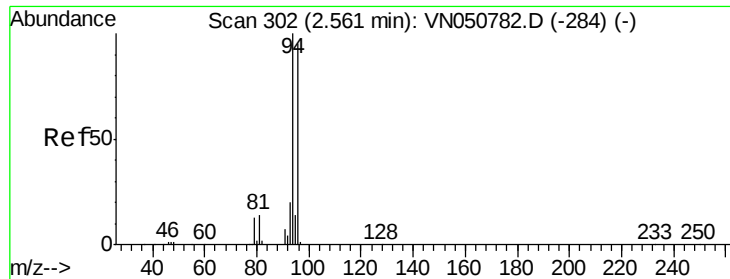
Tgt Ion: 62 Resp: 9611

Ion Ratio Lower Upper

62 100

64 34.5 25.4 38.2





#5

Bromomethane

Concen: 1.48 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 8804

Ion Ratio Lower Upper

94 100

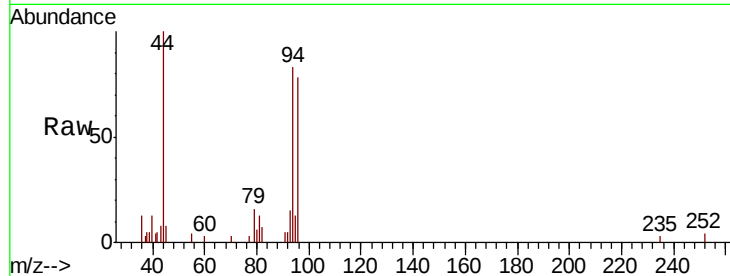
96 94.5 76.2 114.2

Manual Integrations

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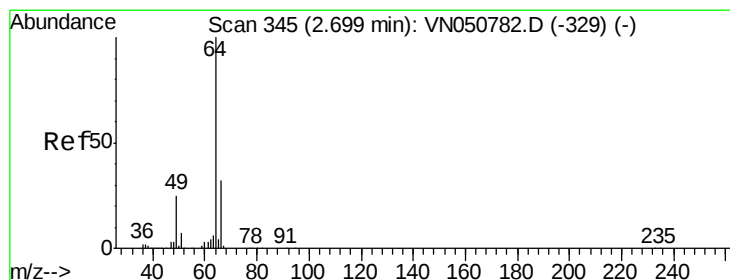
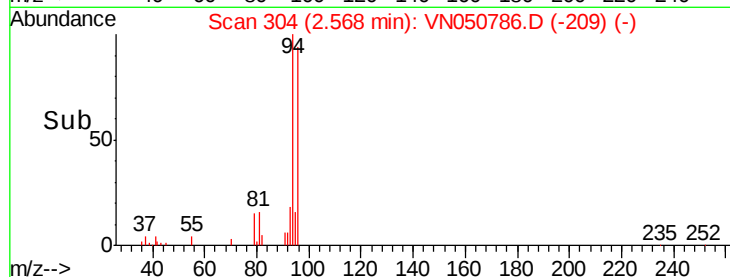
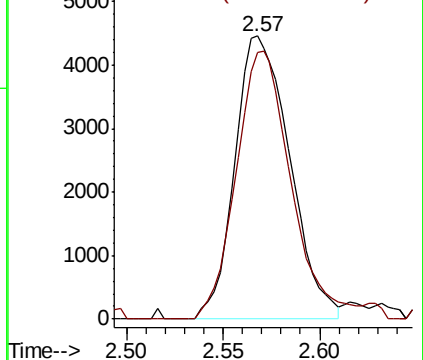
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.05 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050786.D

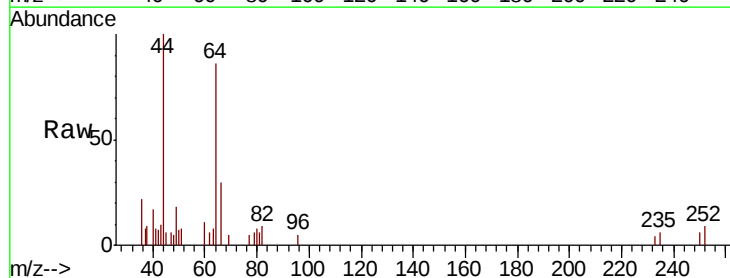
Acq: 21 Aug 2018 13:43

Tgt Ion: 64 Resp: 5635

Ion Ratio Lower Upper

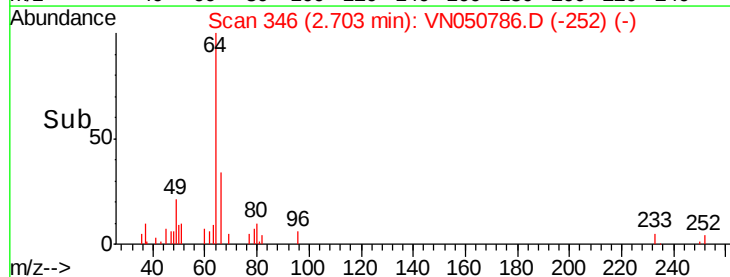
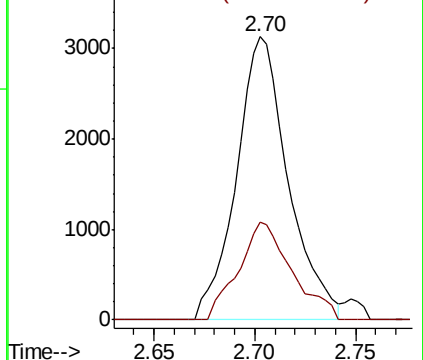
64 100

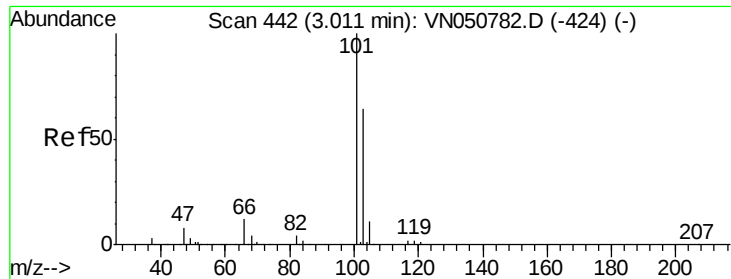
66 34.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

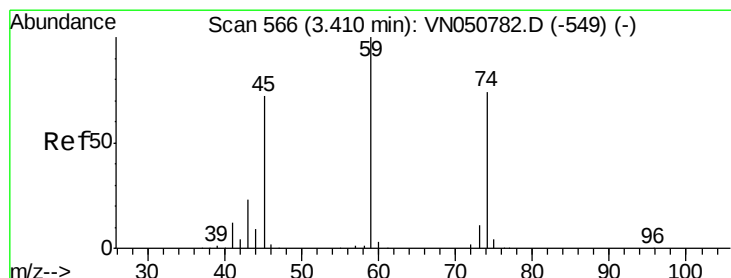
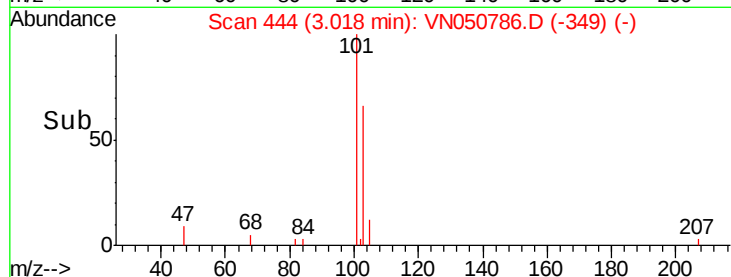
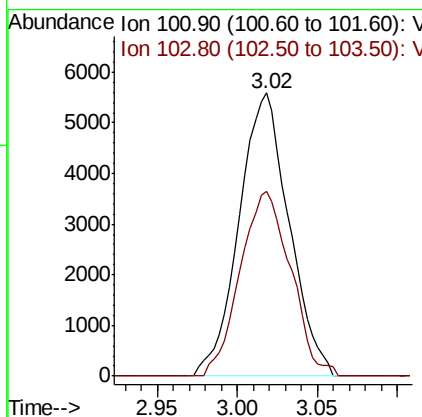
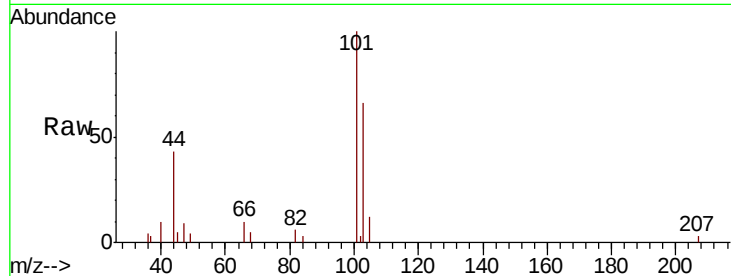
Trichlorofluoromethane
 Concen: 1.01 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 11971
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

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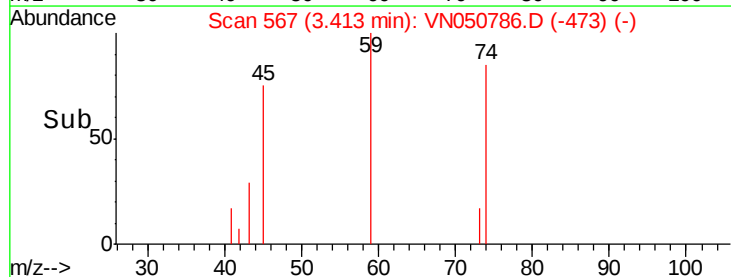
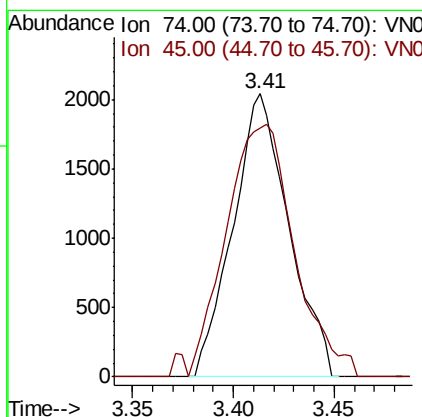
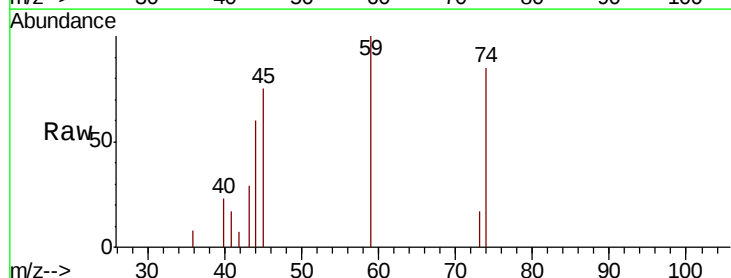
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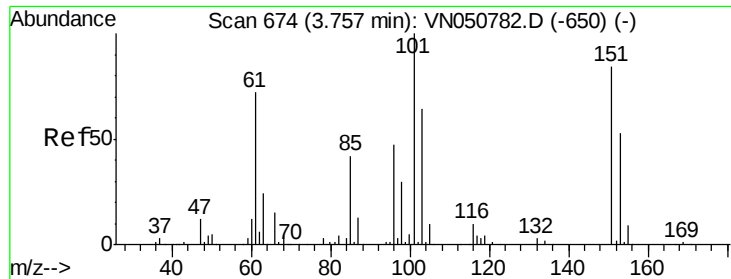


#8

Diethyl Ether
 Concen: 0.98 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion: 74 Resp: 3946
 Ion Ratio Lower Upper
 74 100
 45 108.9 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.08 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

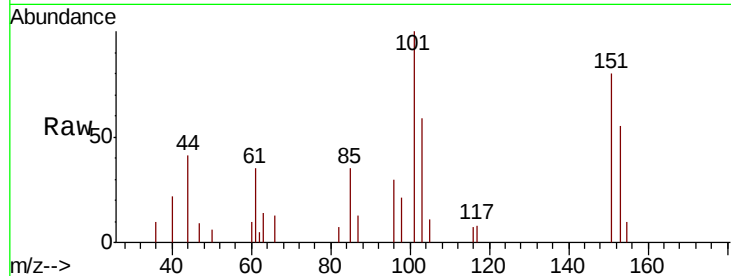
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	7975
Ion	Ratio	Lower	Upper
101	100		
85	40.6	33.7	50.5
151	80.5	67.4	101.2

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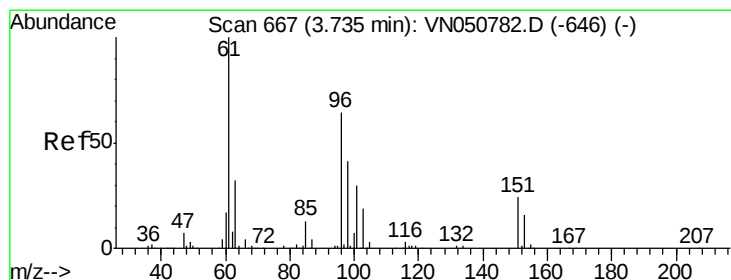
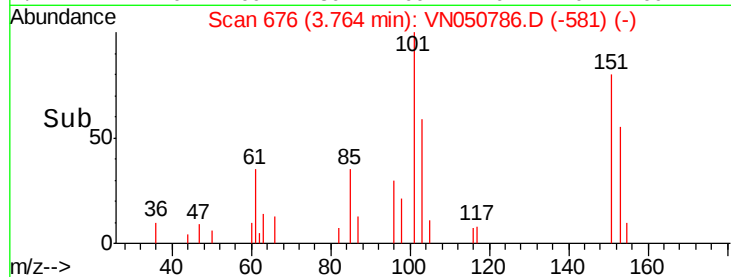
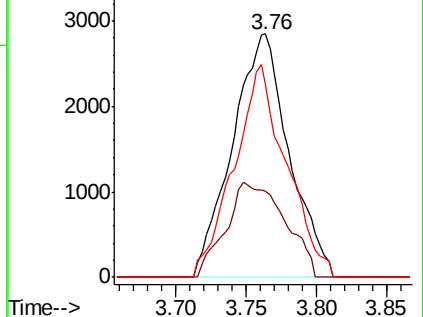
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.98 ug/l

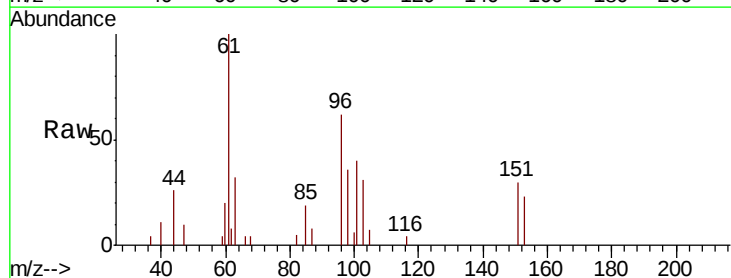
RT: 3.74 min Scan# 669

Delta R.T. 0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

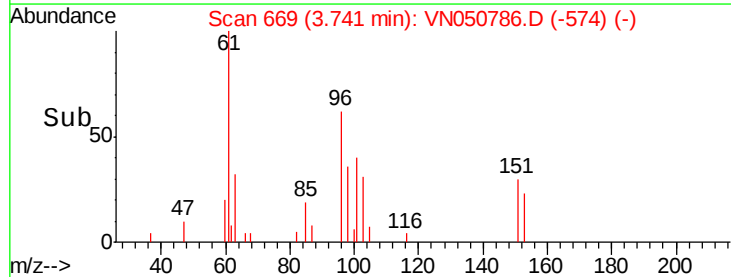
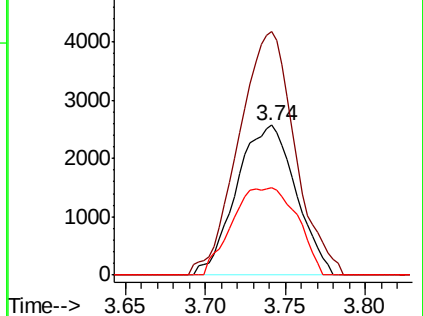
Tgt Ion:	96	Resp:	6535
Ion	Ratio	Lower	Upper
96	100		
61	162.5	124.9	187.3
98	58.6	51.1	76.7

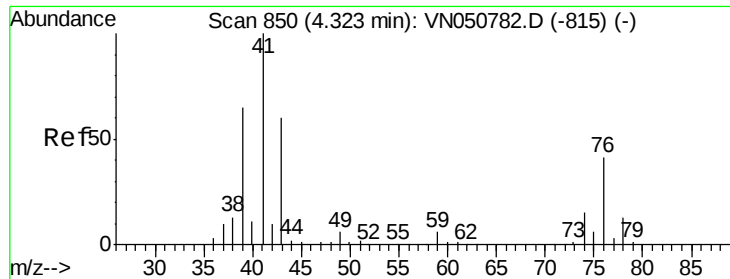


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#14

Allvl chloride

Concen: 0.97 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

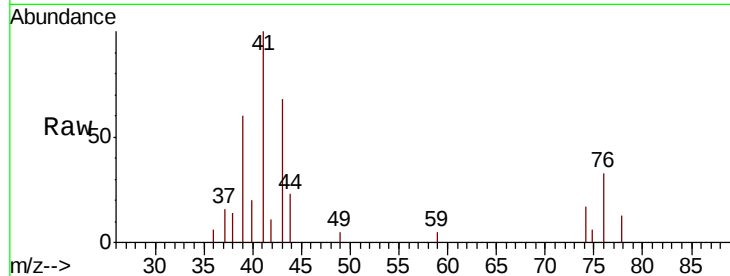
ClientSampled :

VSTDIC001

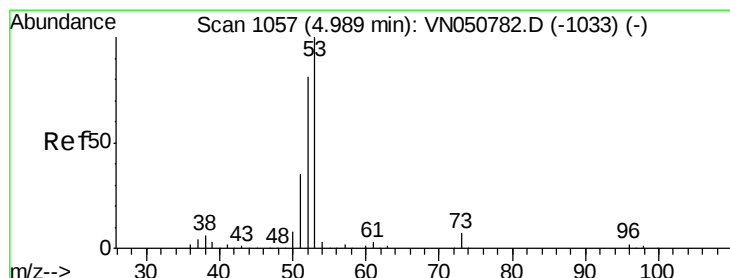
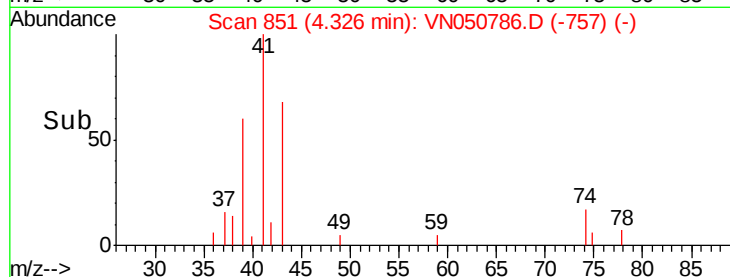
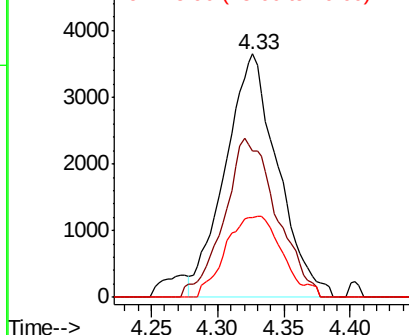
Tot Ion:	41	Resp:	10049
Ion	Ratio	Lower	Upper
41	100		
39	65.4	50.2	75.2
76	35.8	29.8	44.8

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0



#15

Acrylonitrile

Concen: 4.53 ug/l

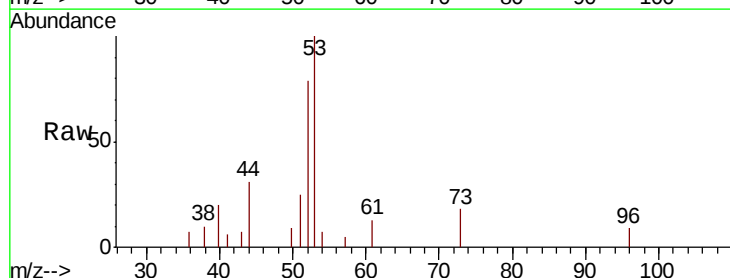
RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

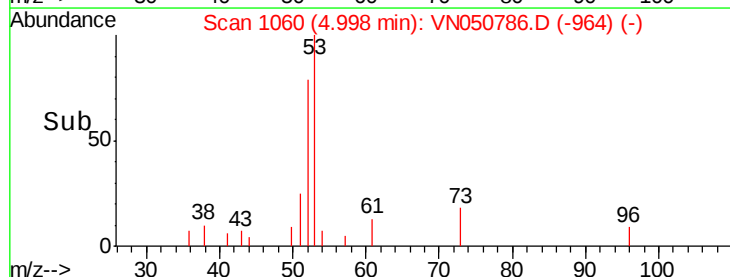
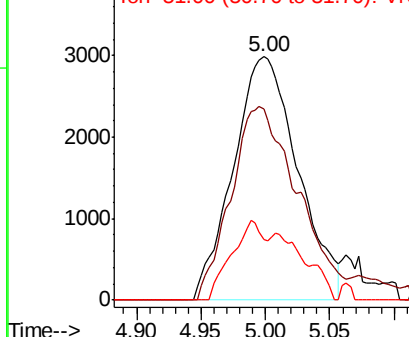
Lab File: VN050786.D

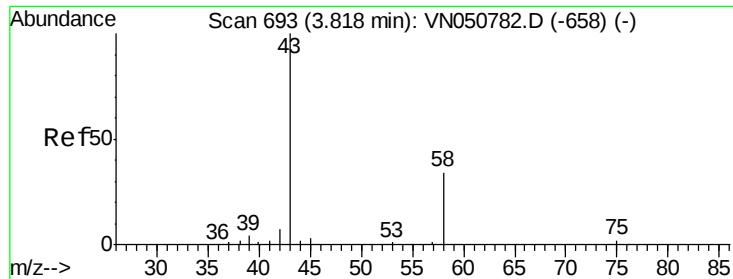
Acq: 21 Aug 2018 13:43

Tgt Ion:	53	Resp:	10436
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.9	98.9
51	16.7	28.6	43.0#



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 6.07 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 11914

Ion Ratio Lower Upper

43 100

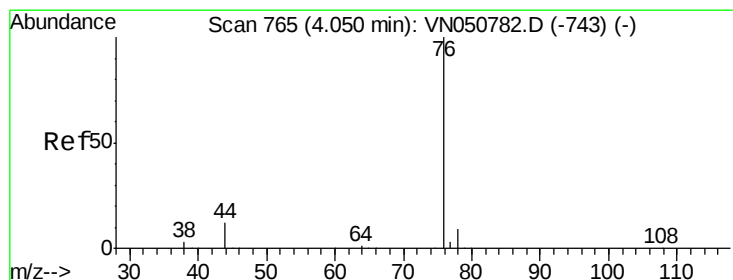
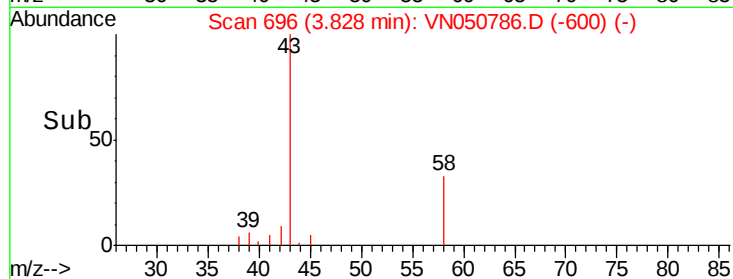
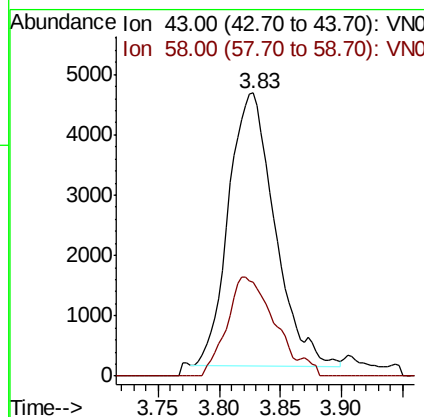
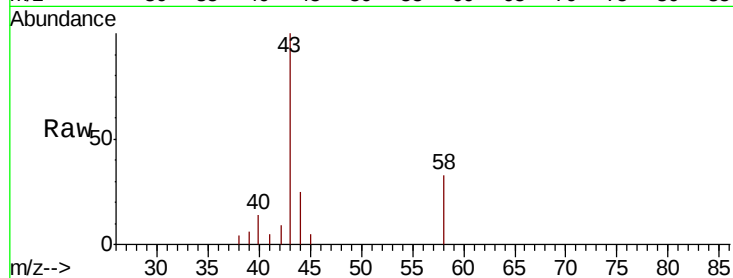
58 34.4 27.2 40.8

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#17

Carbon Disulfide

Concen: 1.27 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050786.D

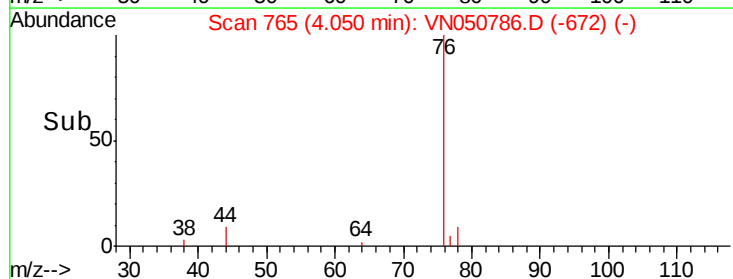
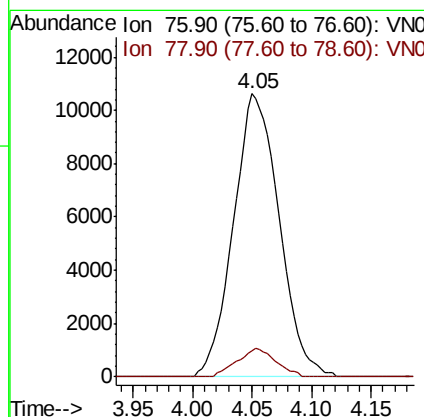
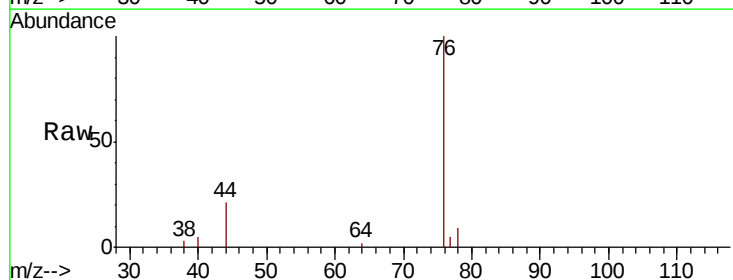
Acq: 21 Aug 2018 13:43

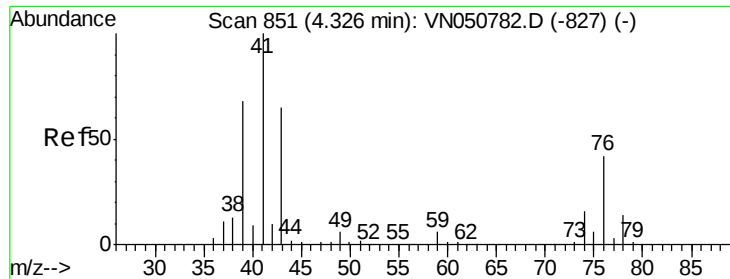
Tgt Ion: 76 Resp: 28246

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





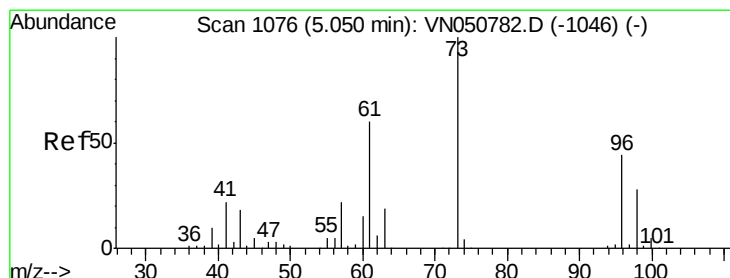
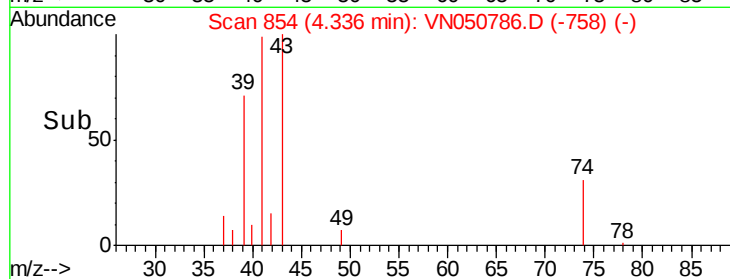
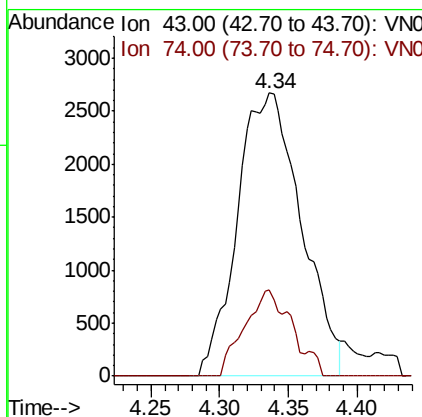
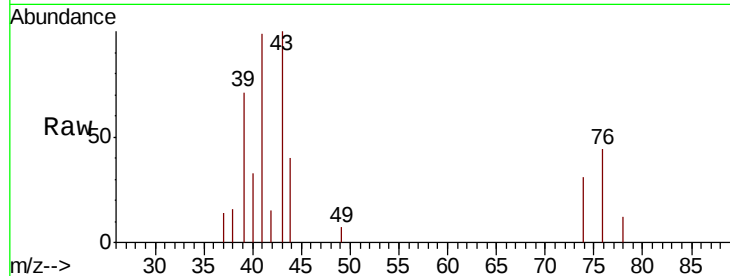
#18
Methyl Acetate
Concen: 1.28 ug/l m
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 8654
Ion Ratio Lower Upper
43 100
74 22.6 19.8 29.8

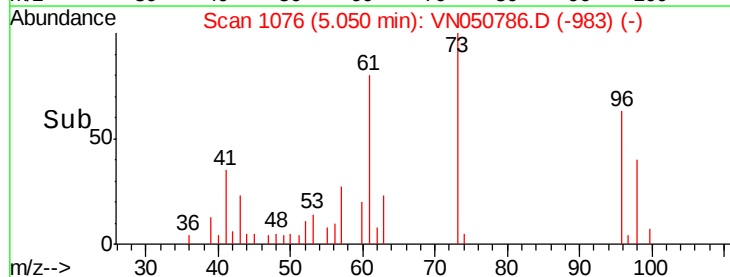
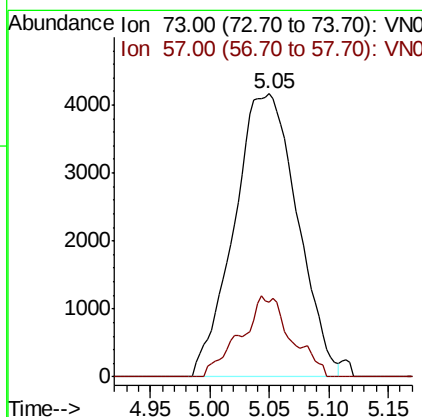
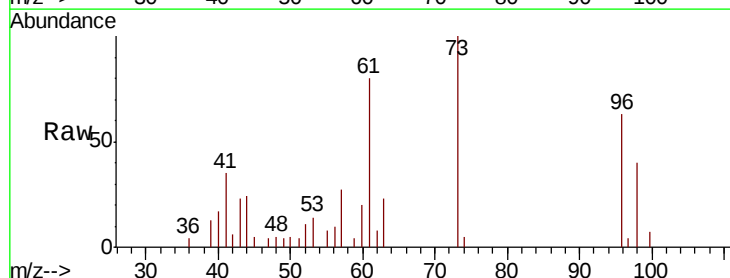
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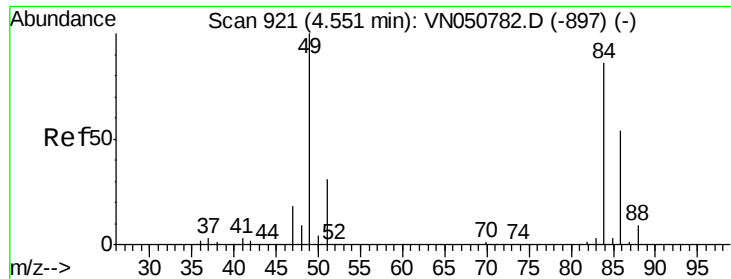
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#19
Methyl tert-butyl Ether
Concen: 0.92 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion: 73 Resp: 15342
Ion Ratio Lower Upper
73 100
57 26.5 17.8 26.8





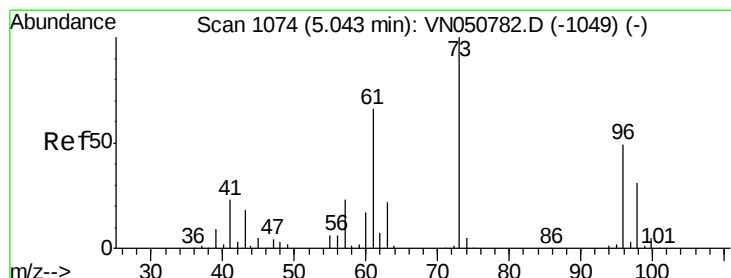
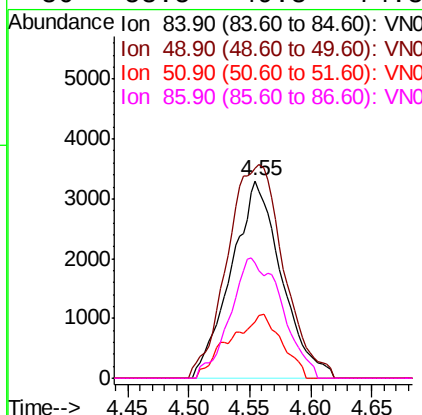
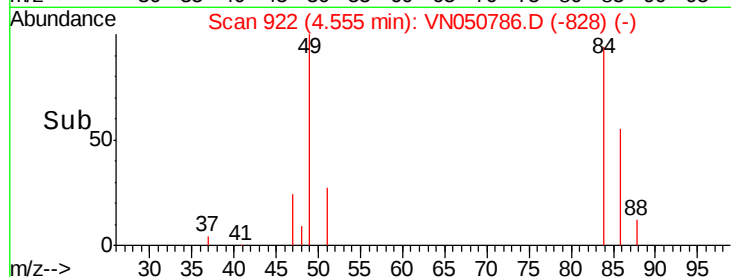
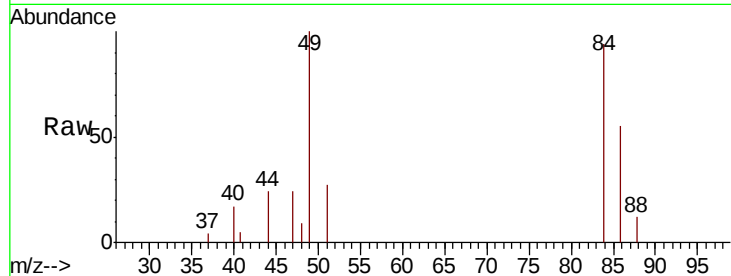
#20
Methvlene Chloride
Concen: 1.18 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	84	Resp:	9442
Ion	Ratio	Lower	Upper
84	100		
49	106.5	93.2	139.8
51	28.6	29.0	43.6#
86	58.5	49.8	74.8

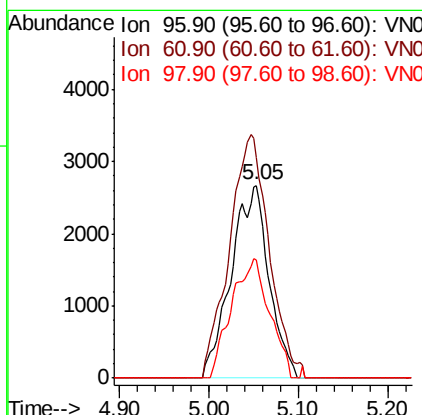
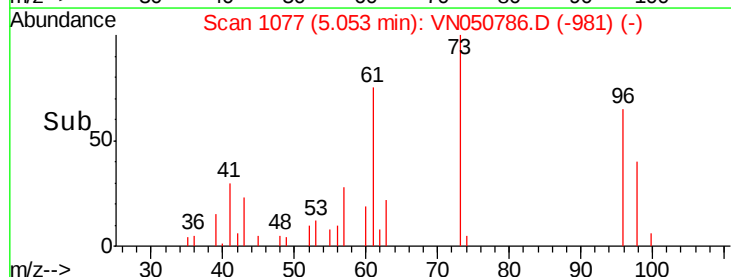
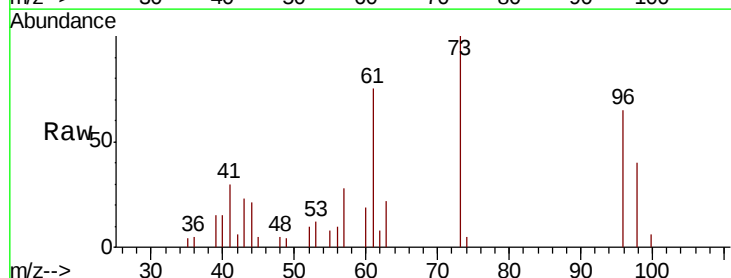
Manual Integrations
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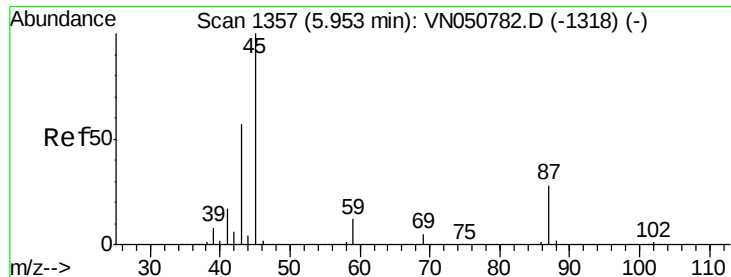
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#21
trans-1,2-Dichloroethene
Concen: 1.09 ug/l m
RT: 5.05 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	96	Resp:	7826
Ion	Ratio	Lower	Upper
96	100		
61	114.6	107.4	161.0
98	61.5	50.7	76.1





#22

Diisopropyl ether

Concen: 0.87 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

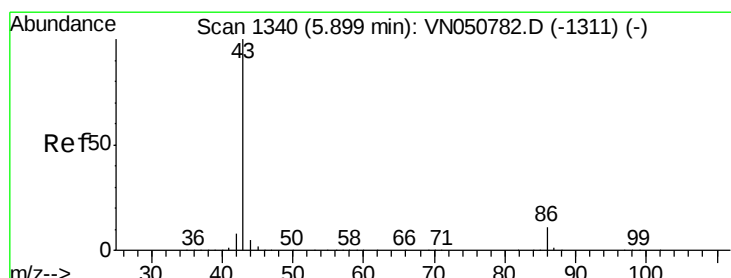
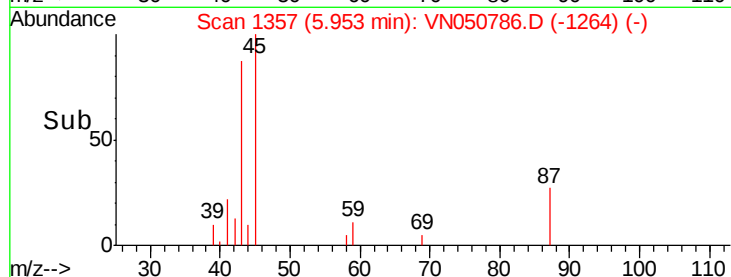
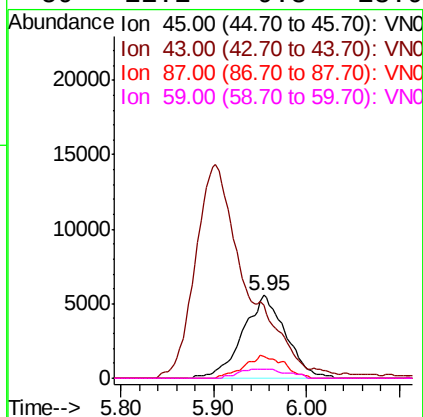
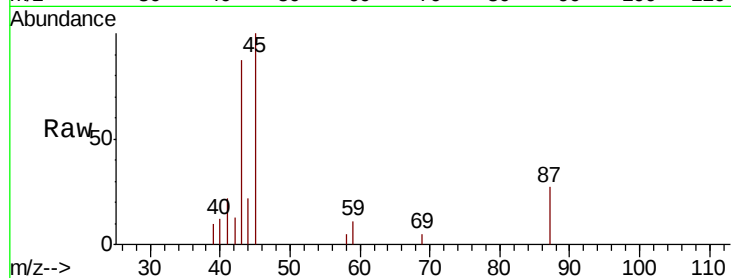
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	82.4	45.9	68.9#	
87	26.6	22.7	34.1	
59	11.1	9.3	13.9	

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#23

Vinyl Acetate

Concen: 4.18 ug/l

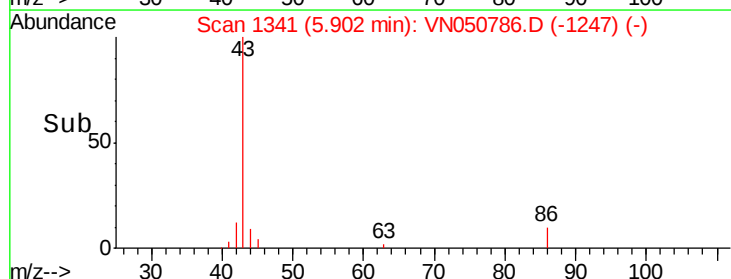
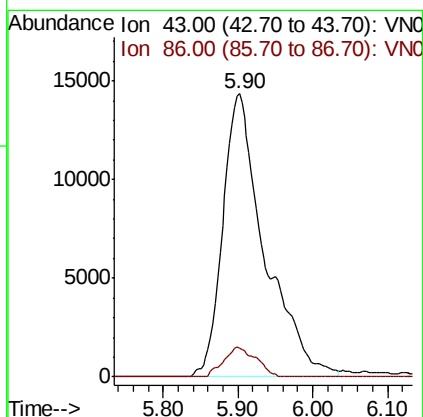
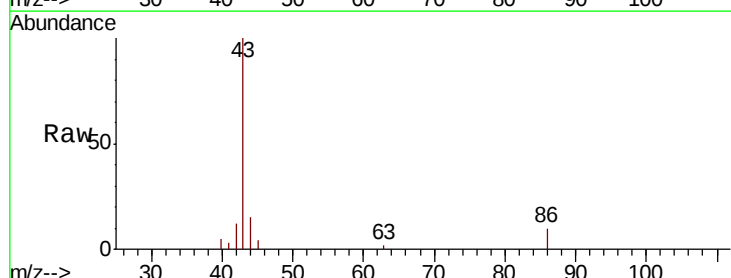
RT: 5.90 min Scan# 1341

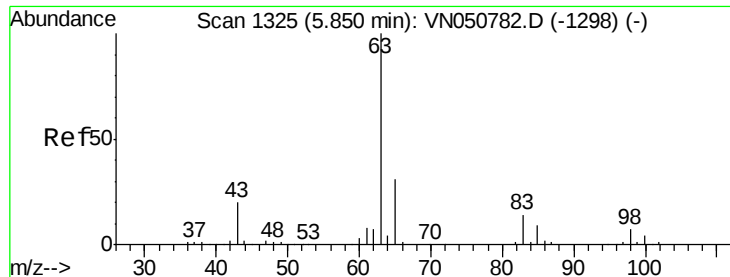
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.3	8.7	13.1	





#24

1,1-Dichloroethane

Concen: 1.06 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

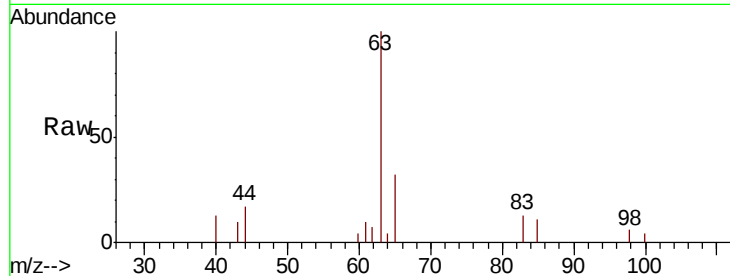
ClientSampleId :

VSTDIC001

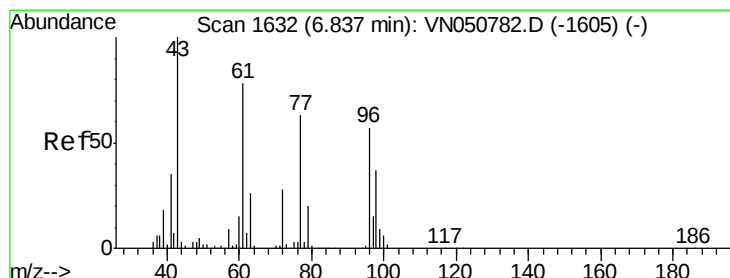
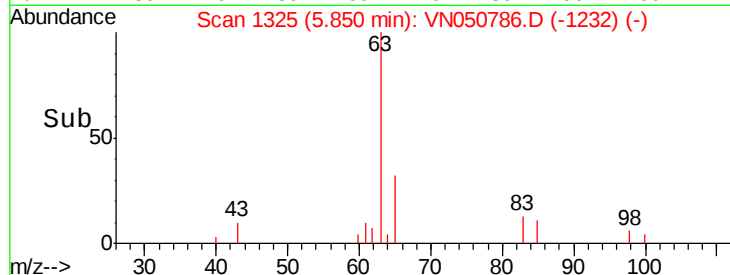
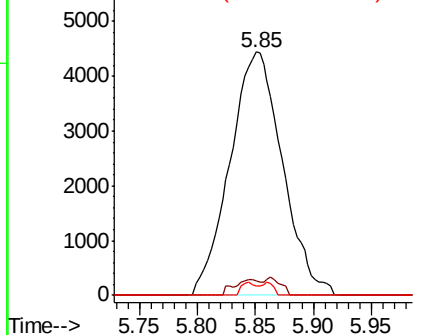
Tot Ion:	63	Resp:	14000
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.3	9.8
100	3.6	2.1	6.5

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Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 5.77 ug/l

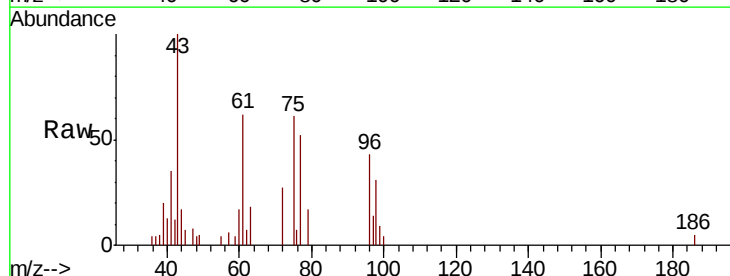
RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

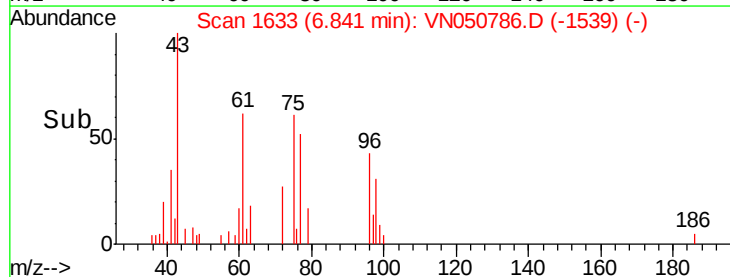
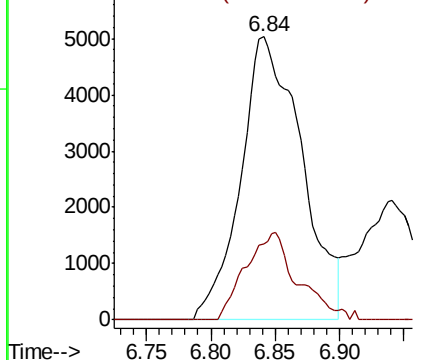
Lab File: VN050786.D

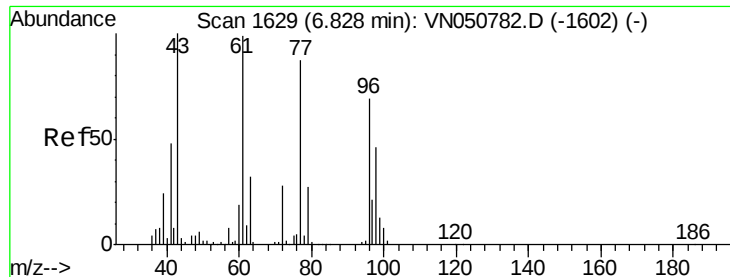
Acq: 21 Aug 2018 13:43

Tgt Ion:	43	Resp:	16559
Ion Ratio	Lower	Upper	
43	100		
72	26.9	22.3	33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.07 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 11370

Ion Ratio Lower Upper

77 100

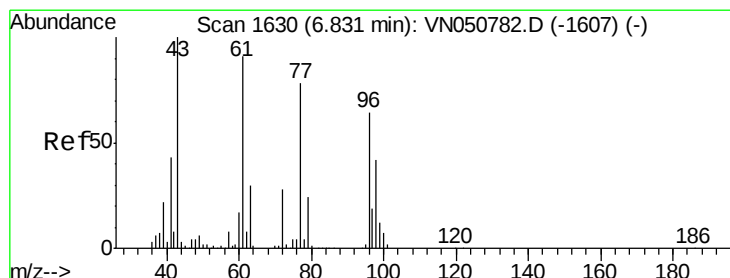
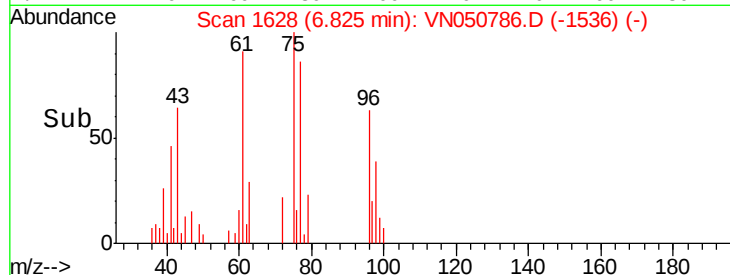
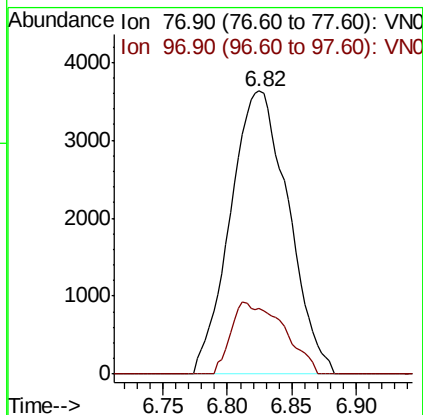
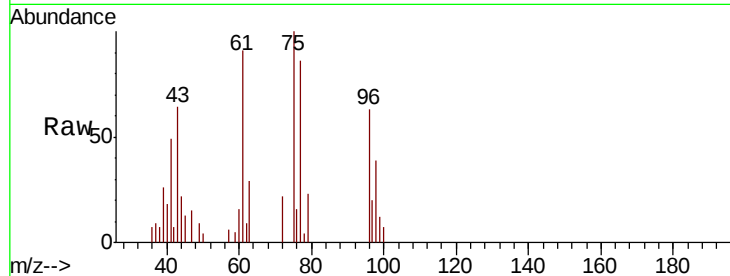
97 23.2 12.0 36.0

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#27

cis-1,2-Dichloroethene

Concen: 0.97 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

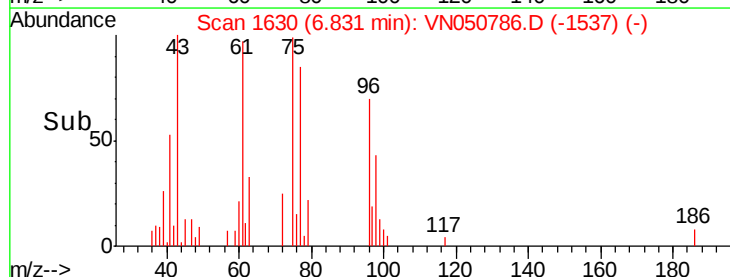
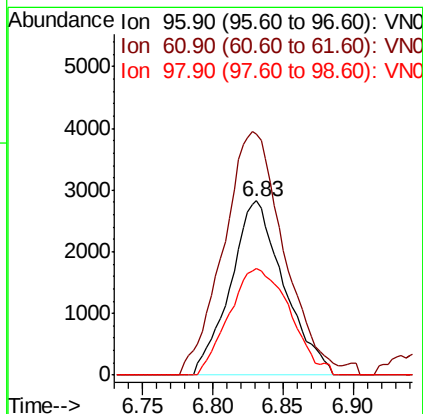
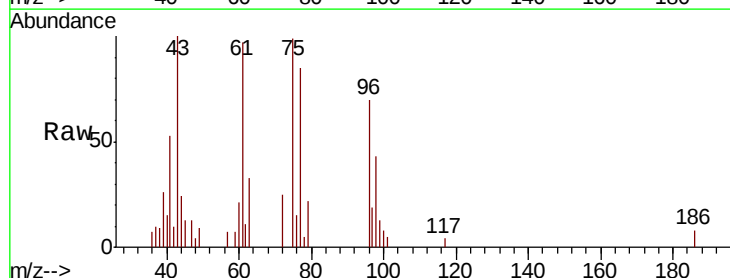
Tgt Ion: 96 Resp: 7495

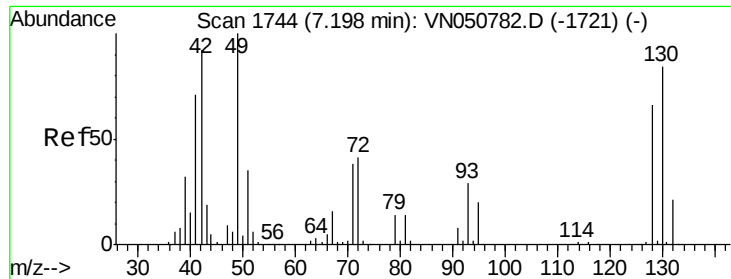
Ion Ratio Lower Upper

96 100

61 157.6 0.0 283.4

98 69.4 0.0 129.8





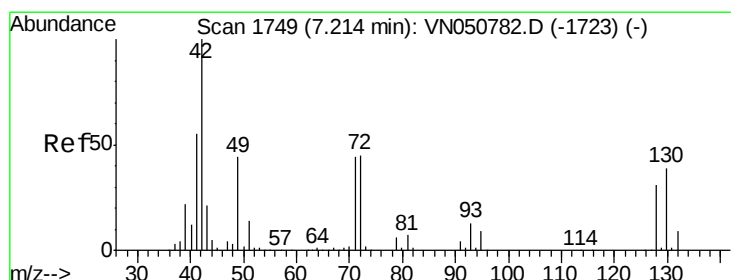
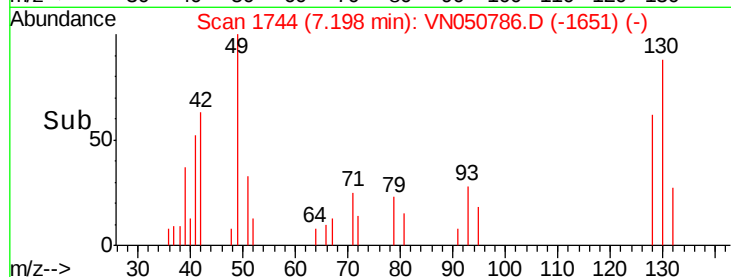
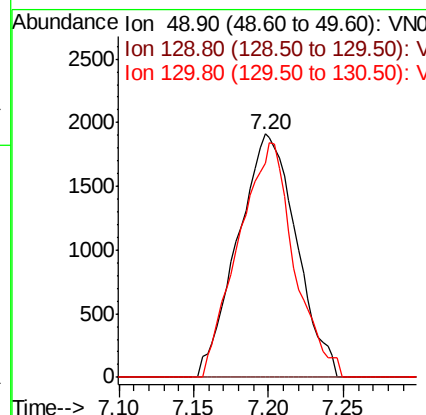
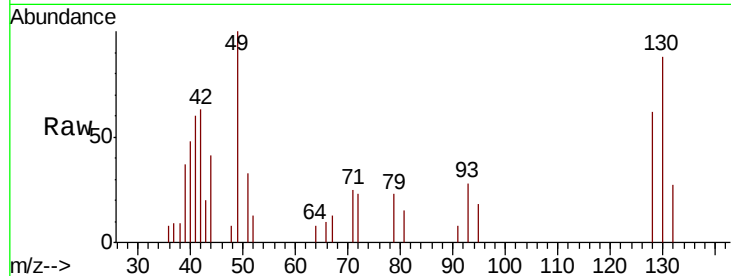
#28
 Bromochloromethane
 Concen: 0.93 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
49	100			
129	0.0	0.0	4.2	
130	91.4	67.1	100.7	

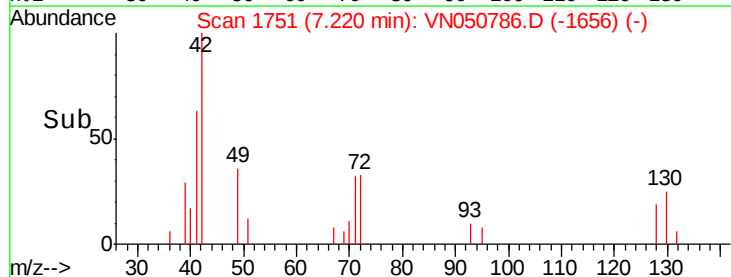
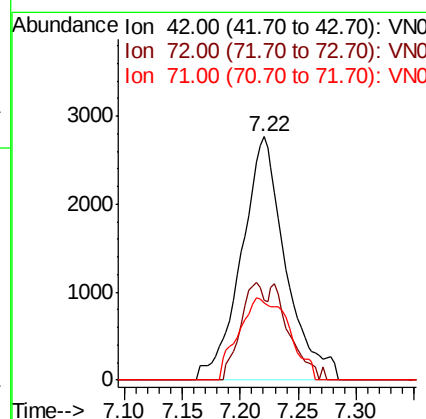
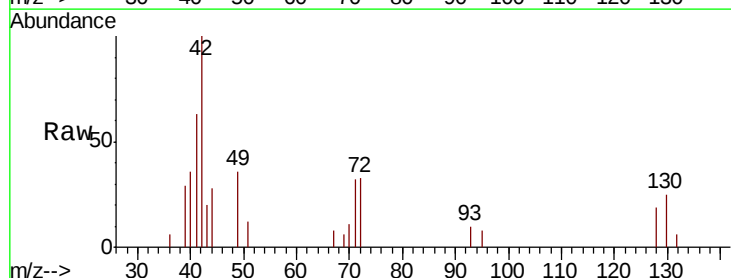
Manual Integrations
 APPROVED

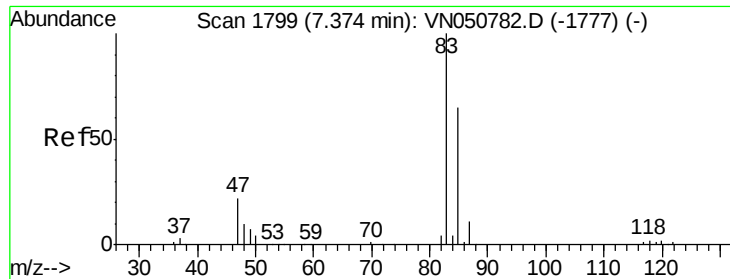
MMDadoda
 8/22/2018 11:19:06 AM



#29
 Tetrahydrofuran
 Concen: 4.45 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
72	22.9	35.5	53.3#	
71	38.5	33.7	50.5	





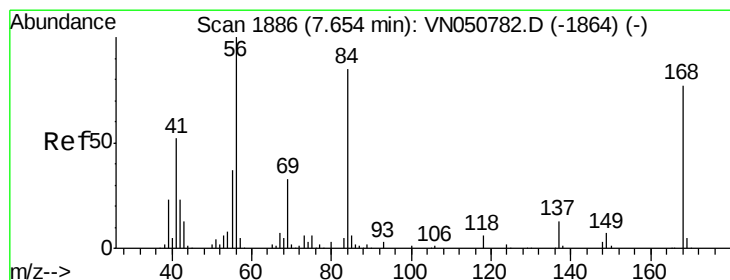
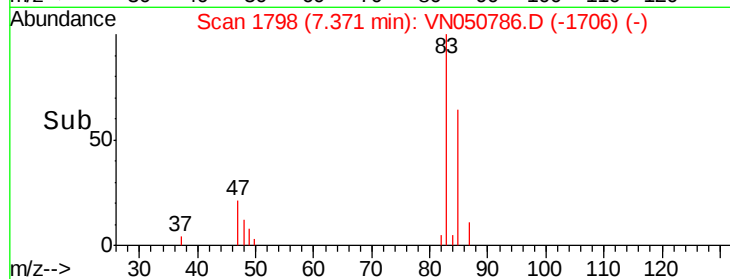
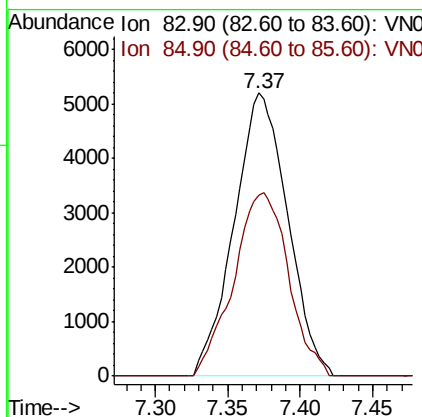
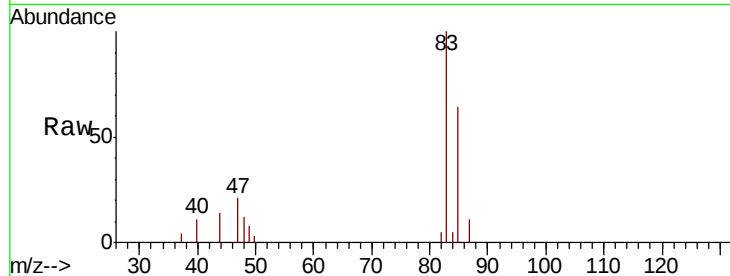
#30
Chloroform
Concen: 1.02 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	13340
Ion Ratio	100	Lower	Upper
85	63.9	52.2	78.4

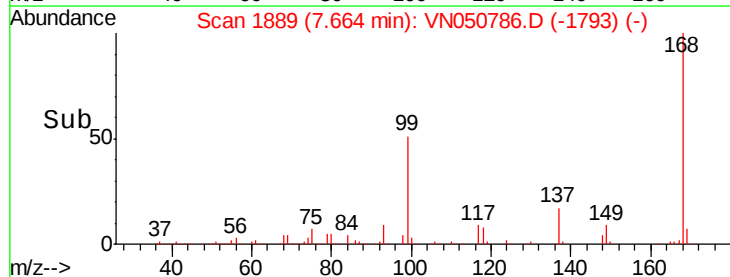
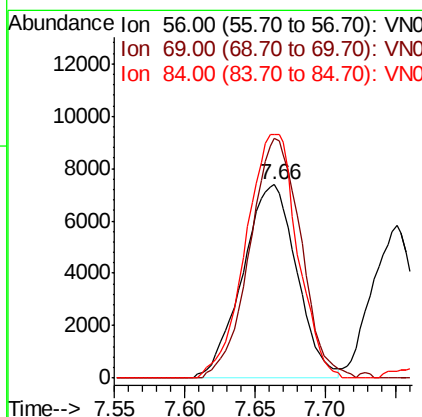
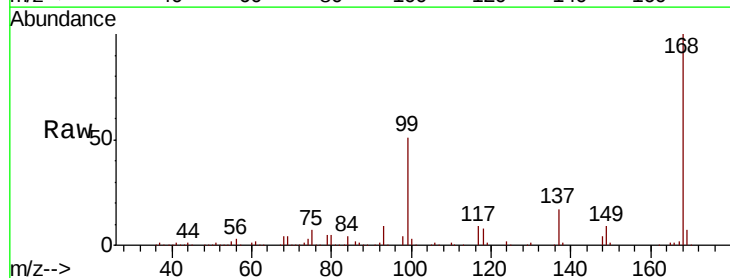
Manual Integrations
APPROVED

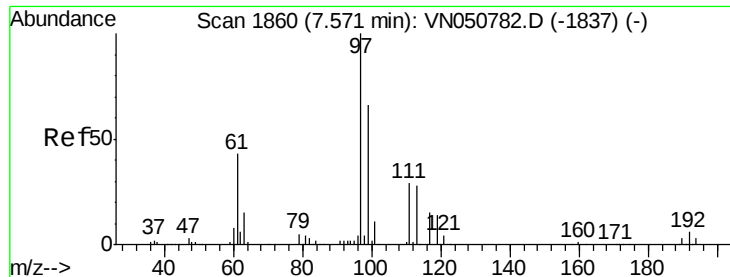
MMDadoda
8/22/2018 11:19:06 AM



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	56	Resp	19786
Ion Ratio	100	Lower	Upper
69	124.3	26.2	39.4#
84	126.0	68.3	102.5#





#32

1,1,1-Trichloroethane

Concen: 1.04 ug/l

RT: 7.56 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 11698

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

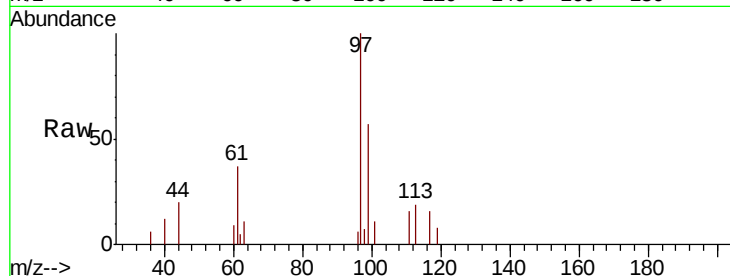
61 42.2 34.9 52.3

Manual Integrations

APPROVED

MMDadoda

8/22/2018 11:19:06 AM

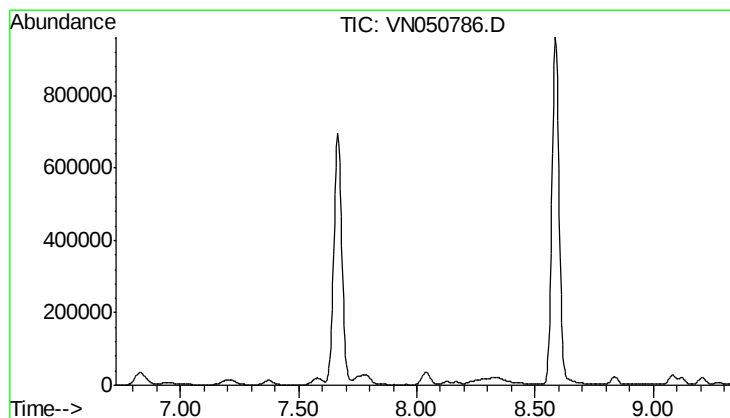
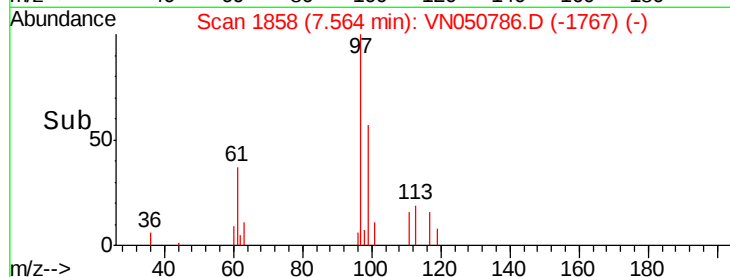
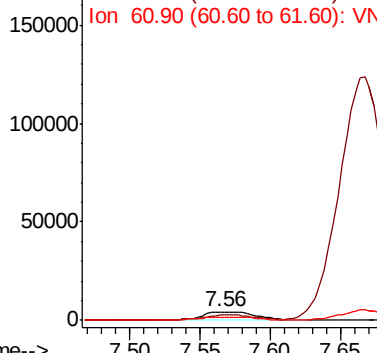


Abundance

Ion 96.90 (96.60 to 97.60): VN050786.D

Ion 98.90 (98.60 to 99.60): VN050786.D

Ion 60.90 (60.60 to 61.60): VN050786.D



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN050786.D

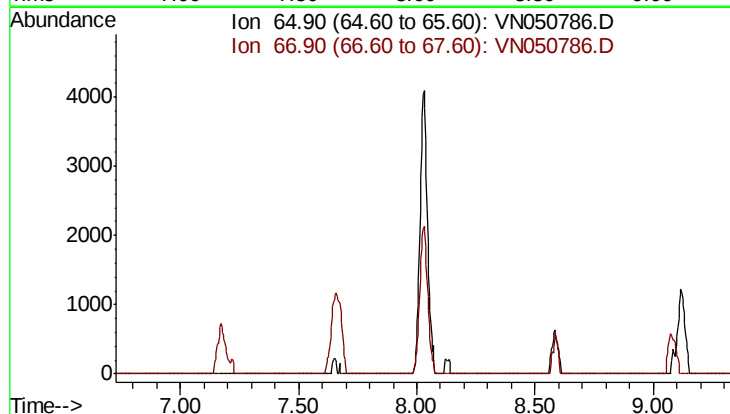
Acq: 21 Aug 2018 13:43

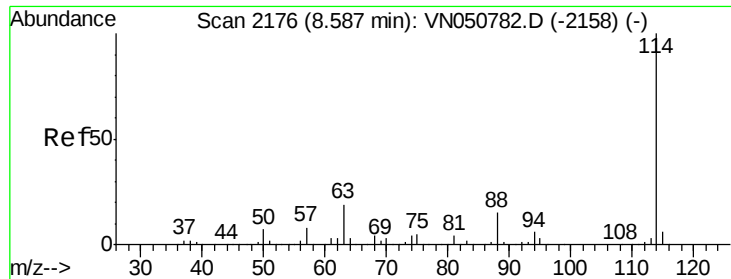
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.2





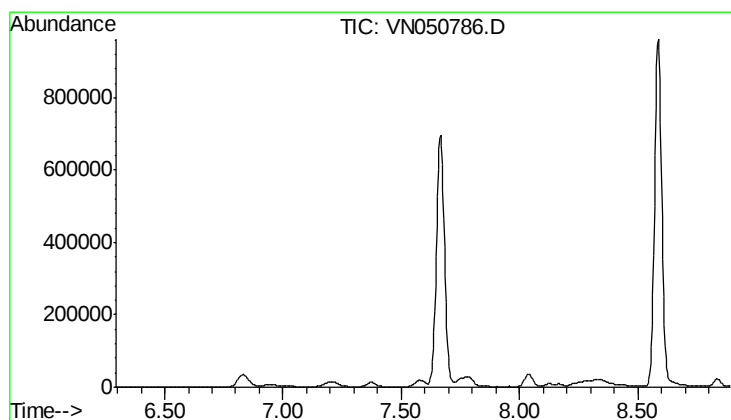
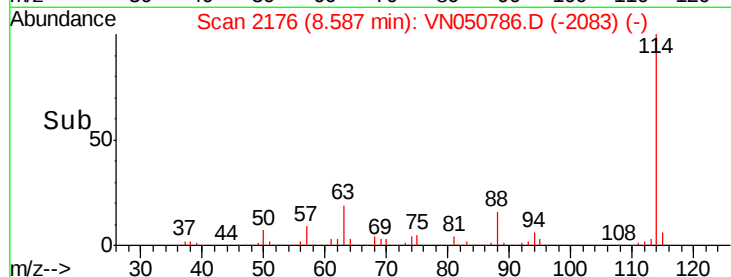
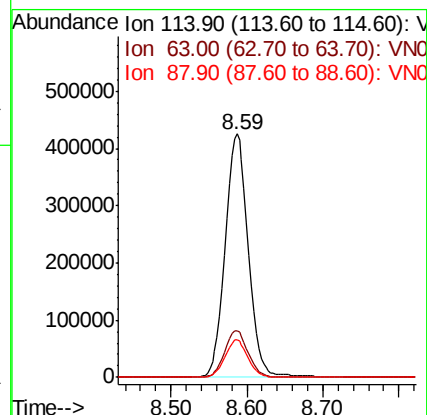
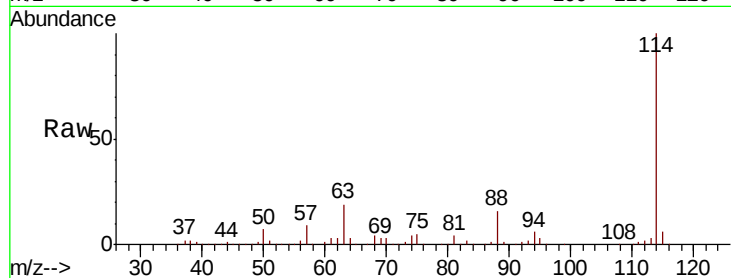
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.2	0.0	38.6
88	15.6	0.0	30.6

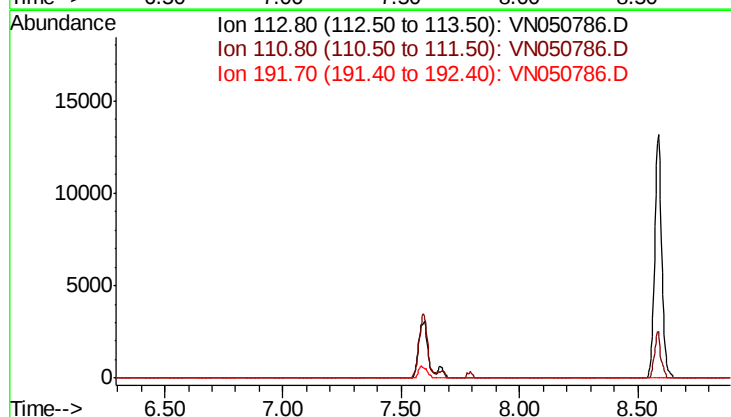
Manual Integrations
 APPROVED

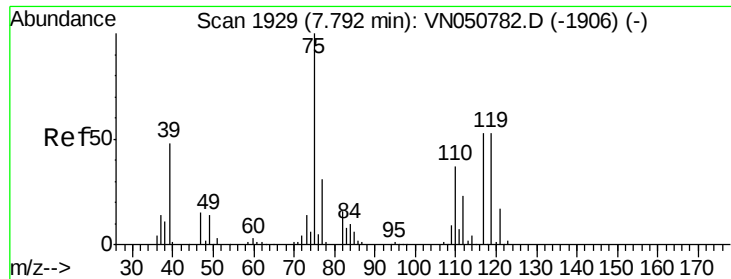
MMDadoda
 8/22/2018 11:19:06 AM



#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Exp Ratio
113	100
111	103.2
192	22.5





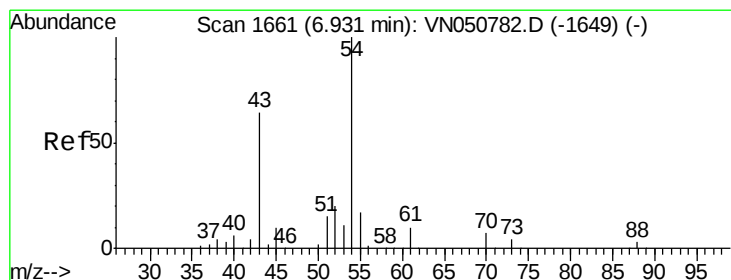
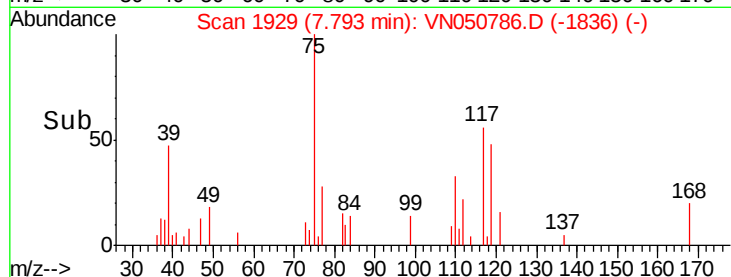
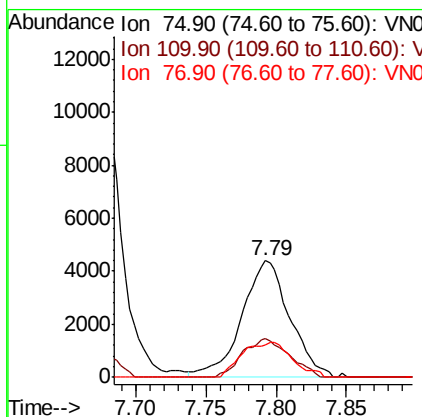
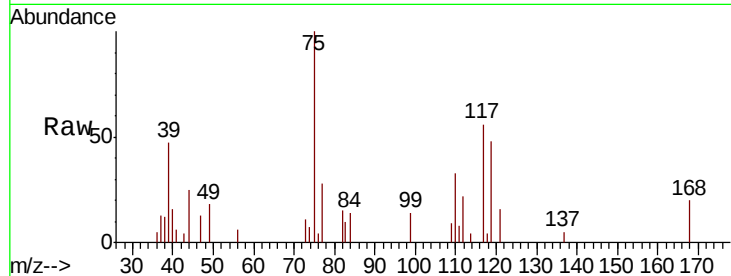
#36
 1,1-Dichloropropene
 Concen: 0.98 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	18.1	54.4
77	31.3	24.8	37.2

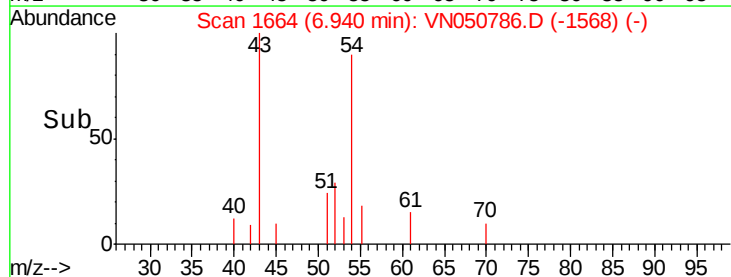
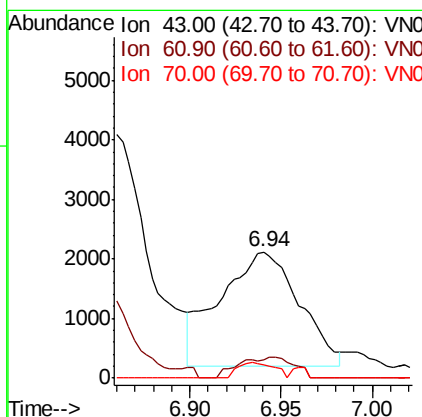
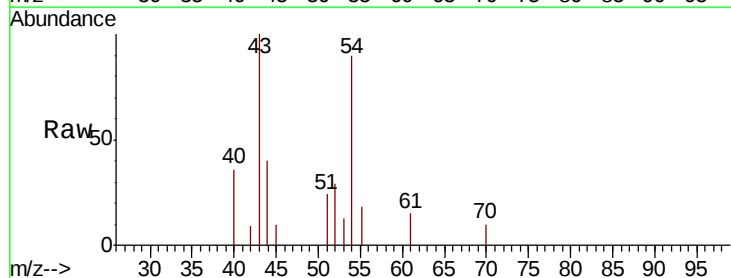
Manual Integrations
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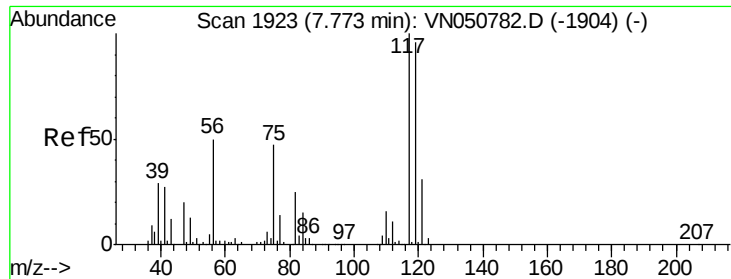
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.99 ug/l m
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	12.0	18.0
70	6.3	8.6	13.0#





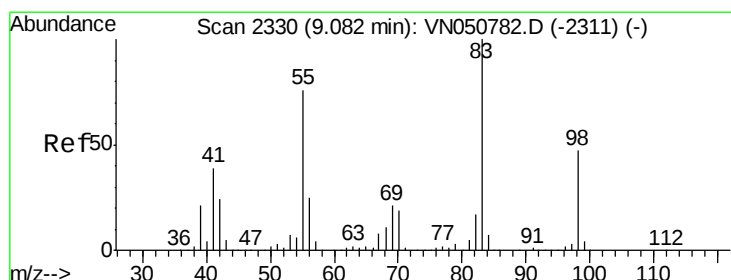
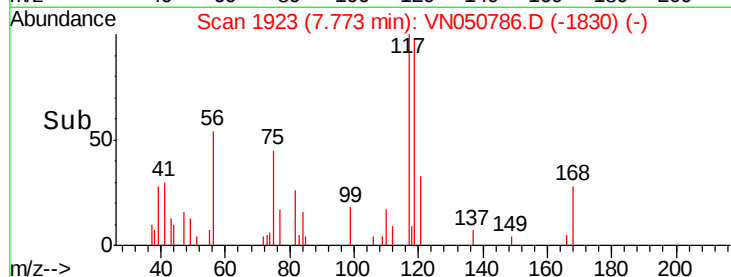
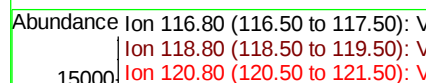
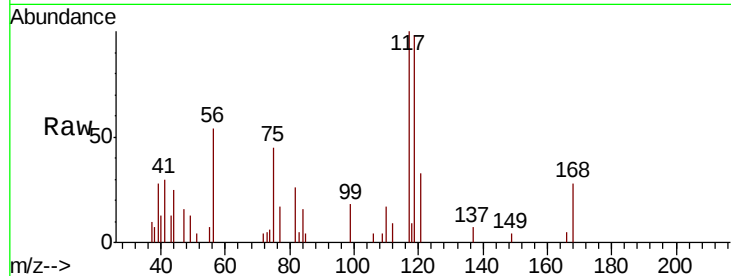
#38
Carbon Tetrachloride
Concen: 0.99 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.3	114.5
121	33.3	24.6	36.8

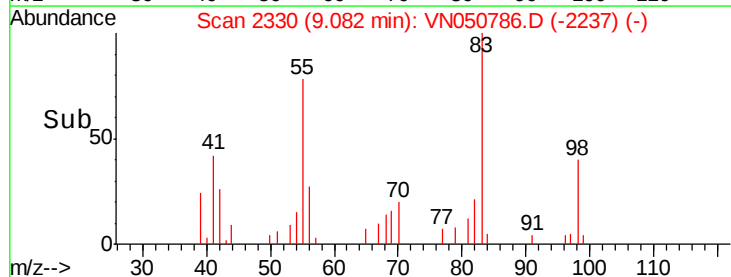
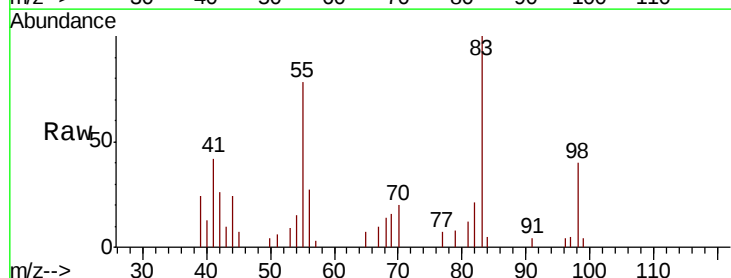
Manual Integrations
APPROVED

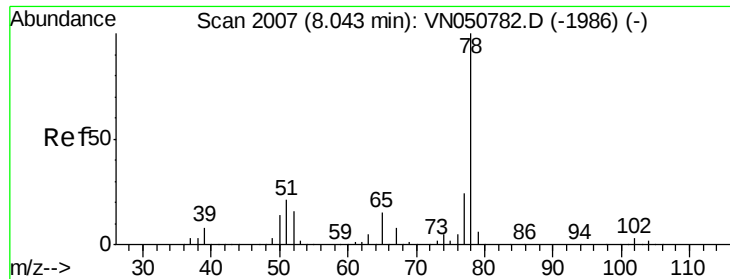
MMDadoda
8/22/2018 11:19:06 AM



#39
Methylcyclohexane
Concen: 0.94 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.0	91.4
98	39.9	37.5	56.3





#40

Benzene

Concen: 0.97 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 31082

Ion Ratio Lower Upper

78 100

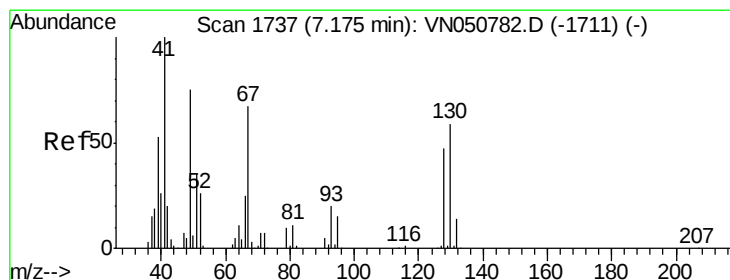
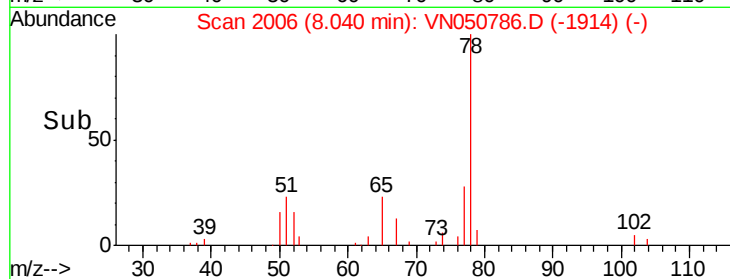
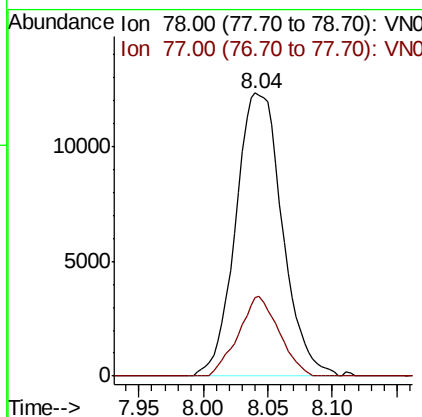
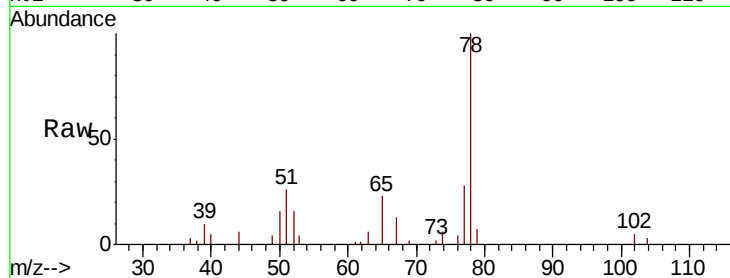
77 27.8 19.0 28.4

Manual Integrations

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#41

Methacrylonitrile

Concen: 1.00 ug/l m

RT: 7.19 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion: 41 Resp: 3093

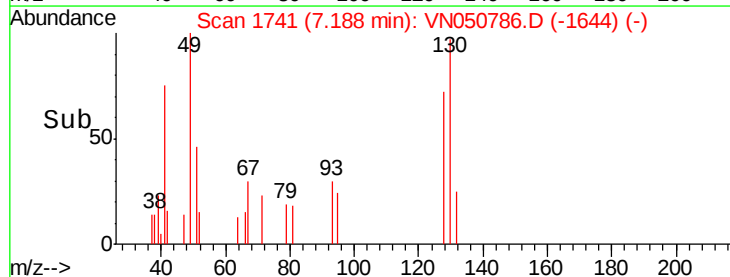
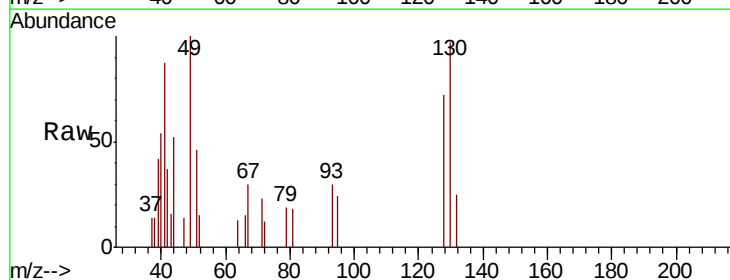
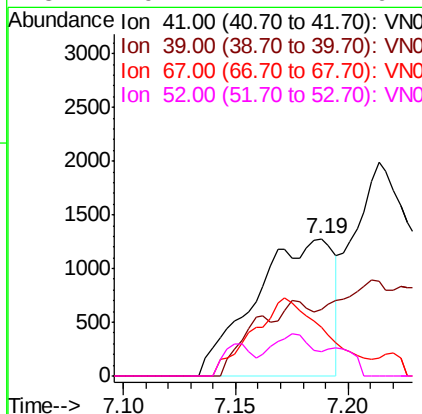
Ion Ratio Lower Upper

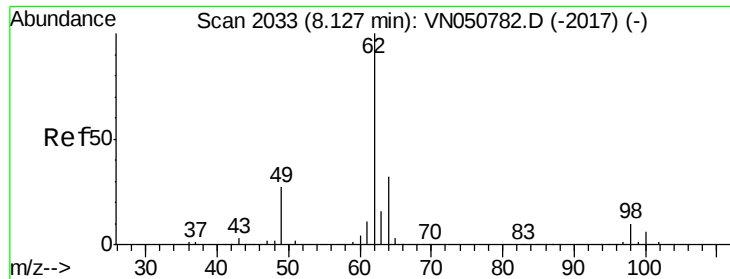
41 100

39 6.2 45.4 68.0#

67 53.5 70.6 106.0#

52 9.4 27.1 40.7#





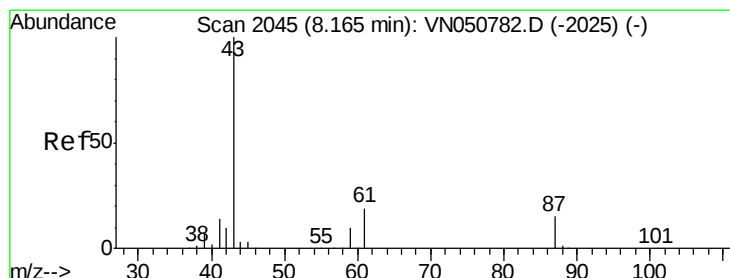
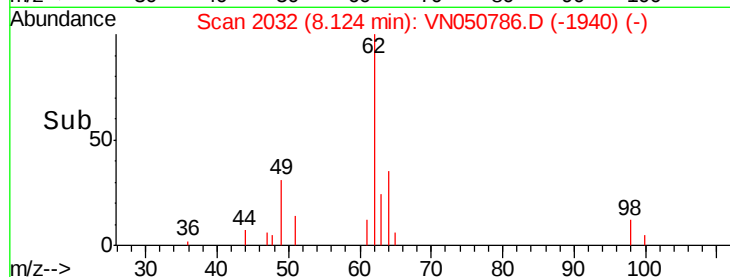
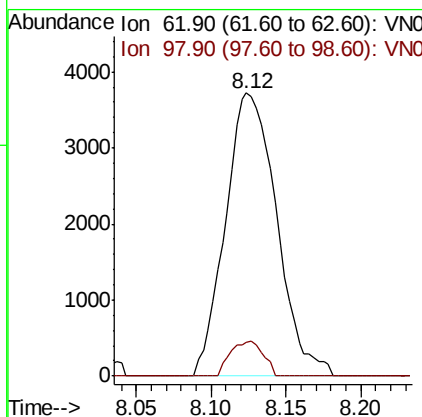
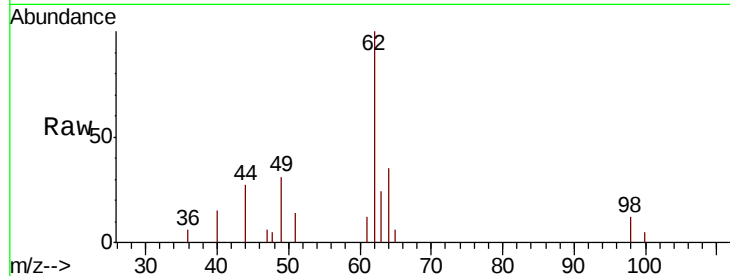
#42
 1,2-Dichloroethane
 Concen: 0.92 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	19.6

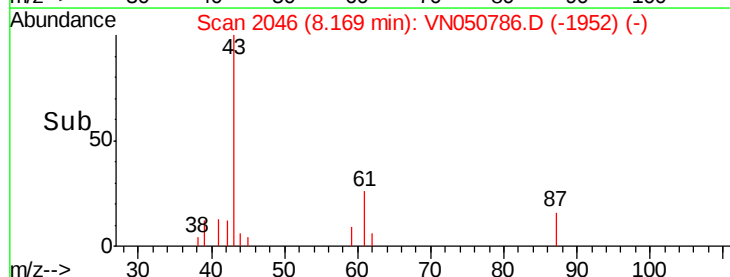
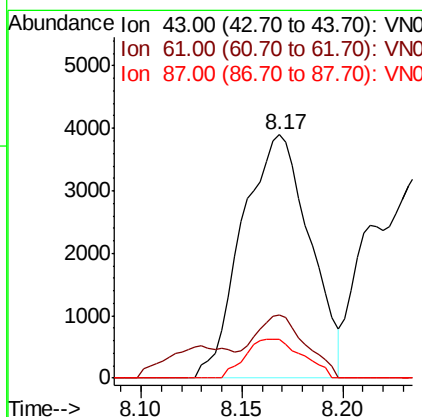
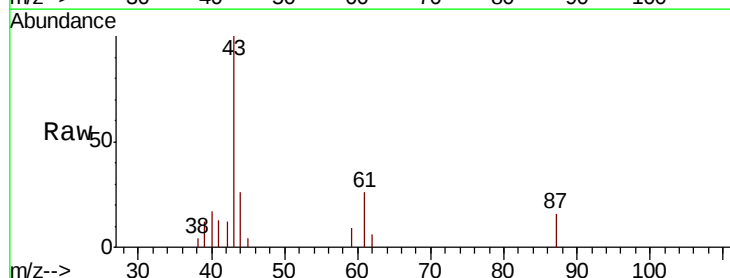
Manual Integrations
 APPROVED

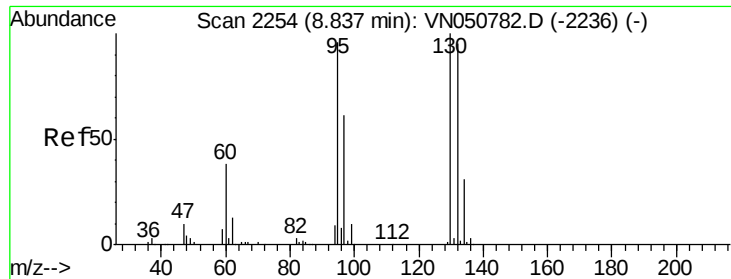
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#43
 Isopropyl Acetate
 Concen: 0.86 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.5	26.3
87	13.5	11.3	16.9





#44

Trichloroethene

Concen: 0.97 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 8215

Ion Ratio Lower Upper

130 100

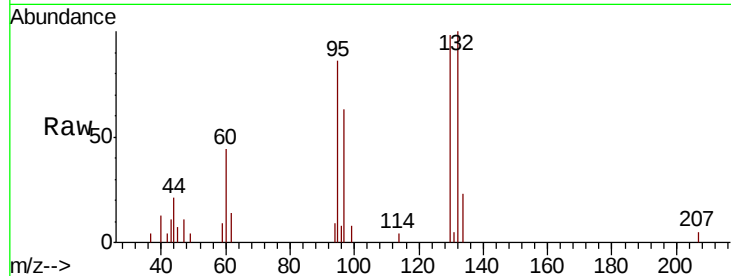
95 88.2 0.0 193.0

Manual Integrations

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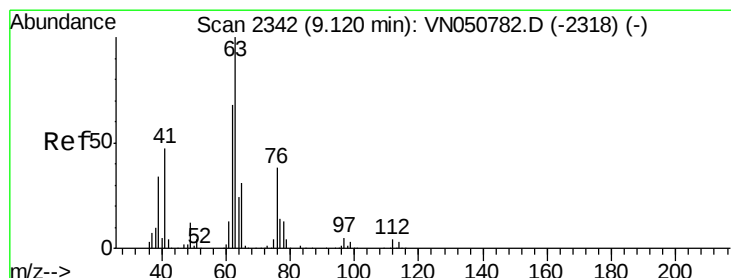
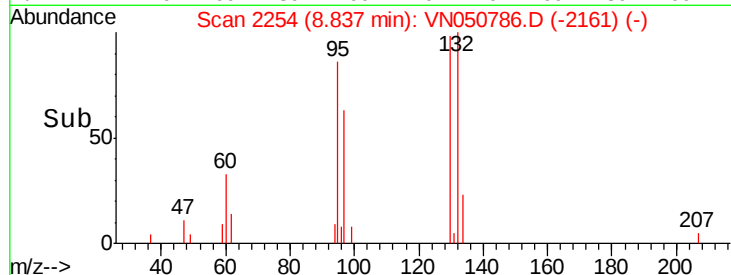
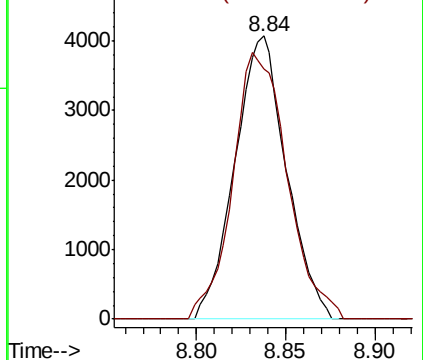
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 1.00 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050786.D

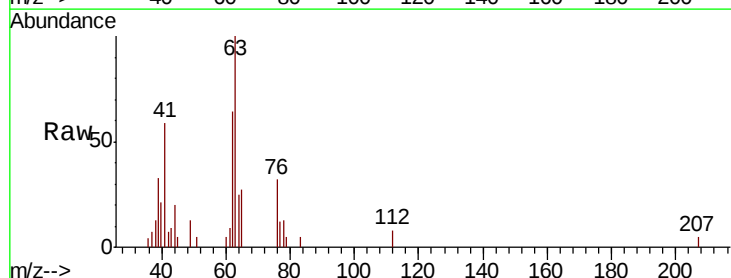
Acq: 21 Aug 2018 13:43

Tgt Ion: 63 Resp: 8416

Ion Ratio Lower Upper

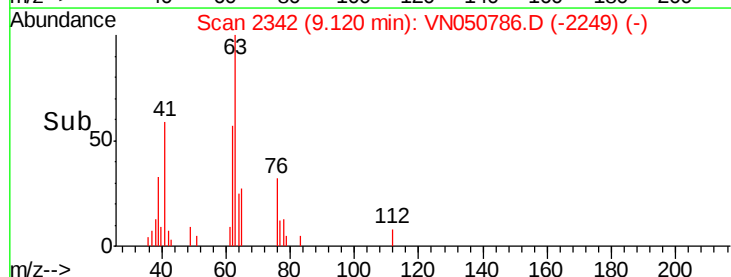
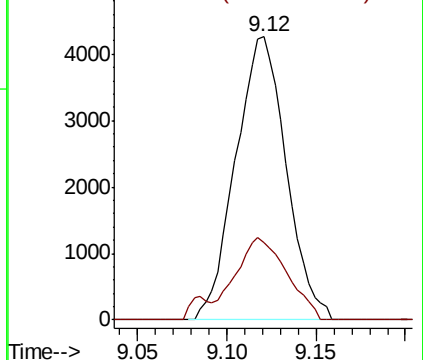
63 100

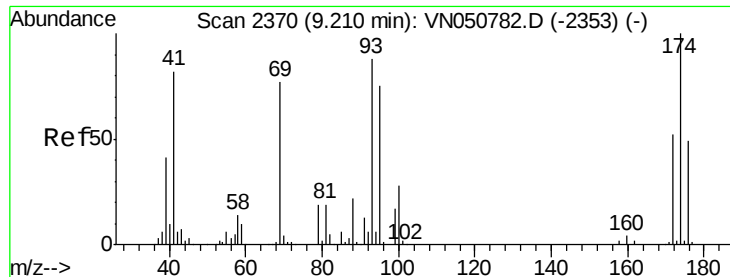
65 27.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





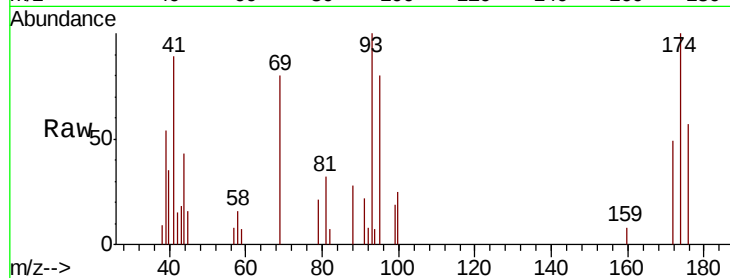
#46
Dibromomethane
Concen: 0.99 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

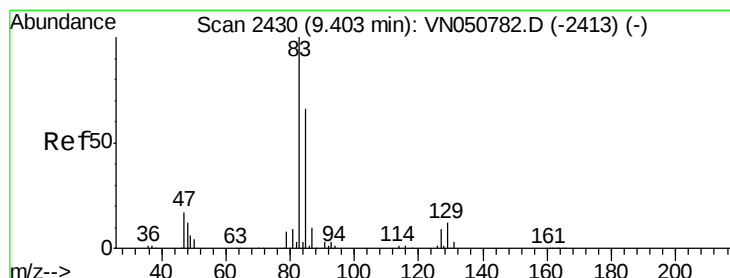
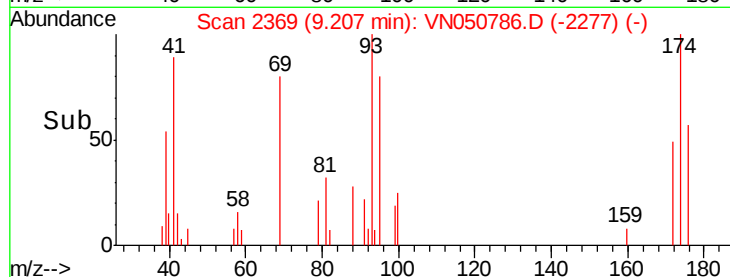
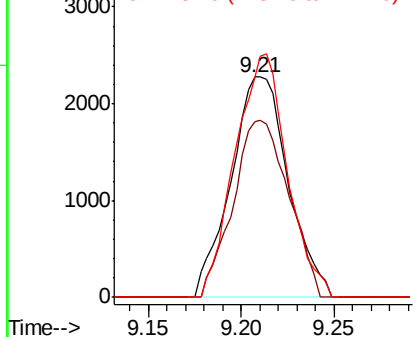
Tot Ion	Ratio	Lower	Upper
93	100		
95	77.9	66.7	100.1
174	100.4	89.8	134.6

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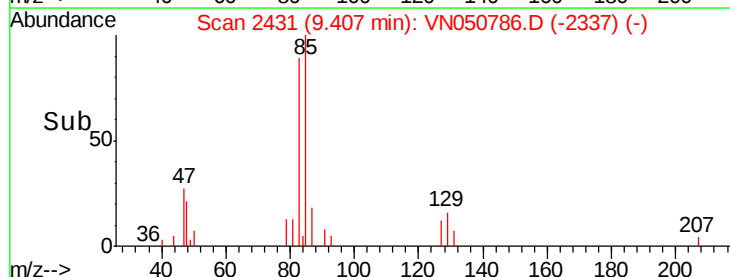
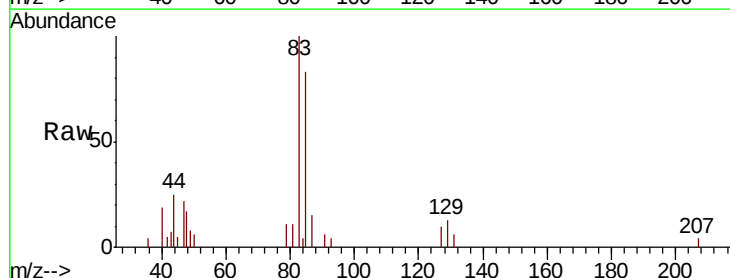
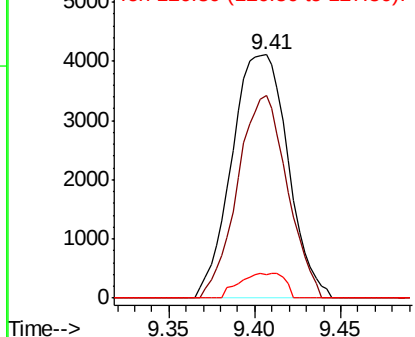
Abundance Ion 92.80 (92.50 to 93.50): VN050782.D (-2353) (-)
Ion 94.80 (94.50 to 95.50): VN050786.D (-2277) (-)
Ion 173.70 (173.40 to 174.40): VN050786.D (-2277) (-)

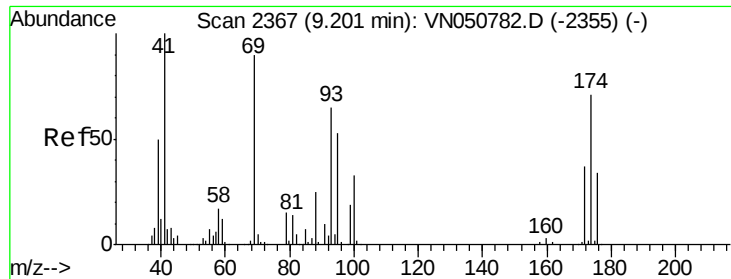


#47
Bromodichloromethane
Concen: 0.90 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	83.2	52.6	78.8#
127	9.8	7.2	10.8

Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-2413) (-)
Ion 84.90 (84.60 to 85.60): VN050786.D (-2337) (-)
Ion 126.80 (126.50 to 127.50): VN050786.D (-2337) (-)





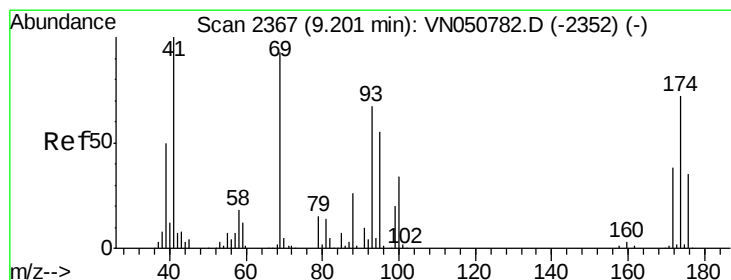
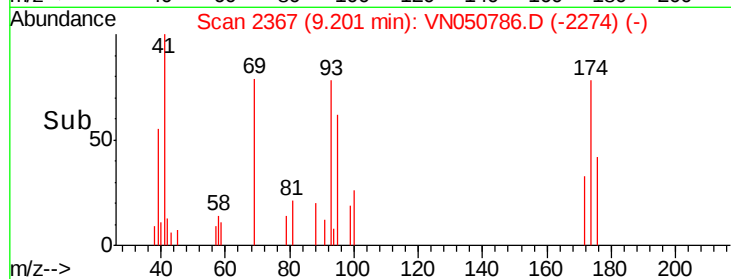
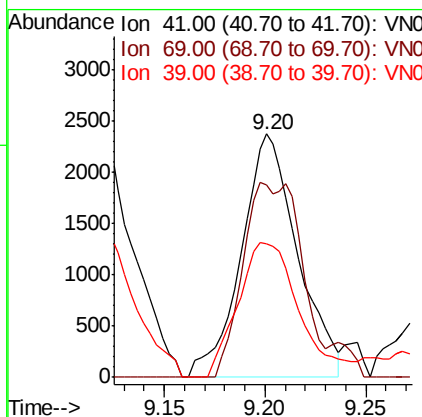
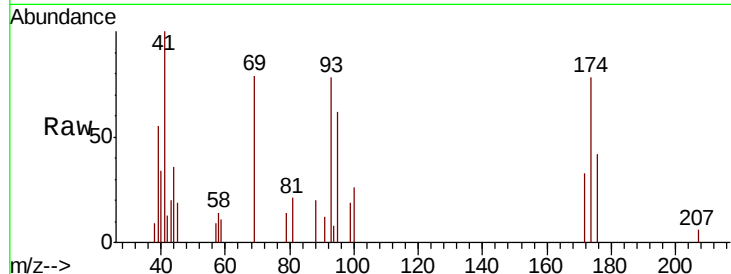
#48
Methvl methacrylate
Concen: 0.86 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	45.5	74.7	112.1#
39	60.9	42.2	63.2

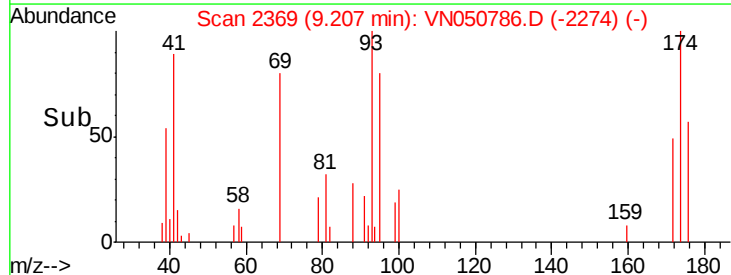
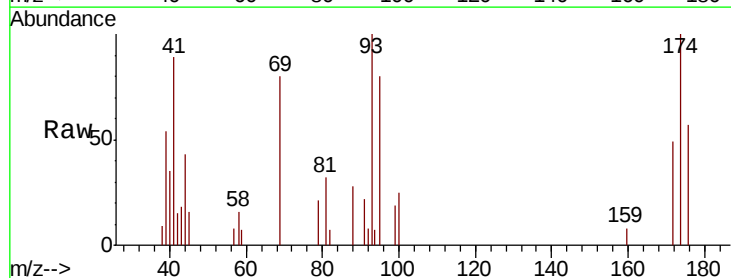
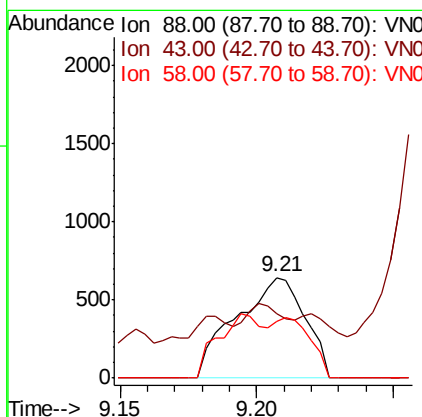
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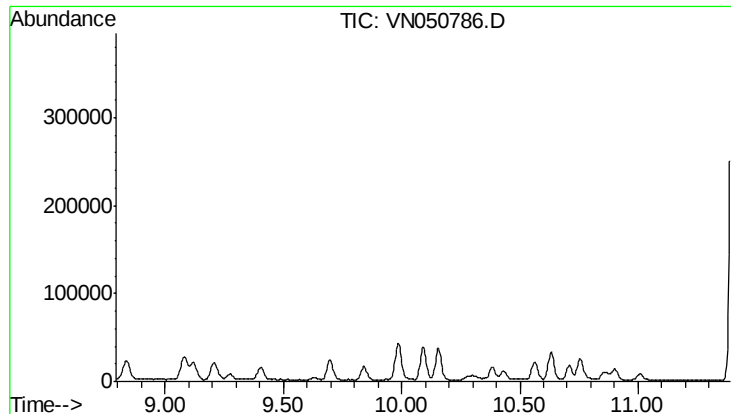
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#49
1,4-Dioxane
Concen: 15.50 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.9	38.9#
58	43.1	55.0	82.4#





#50

Toluene-d8

Concen: 0.00 ug/l

Expected RT: 10.09 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tot Ion: 98

Sig Exp Ratio

98 100

100 64.4

Instrument :

MSVOA_N

ClientSampleId :

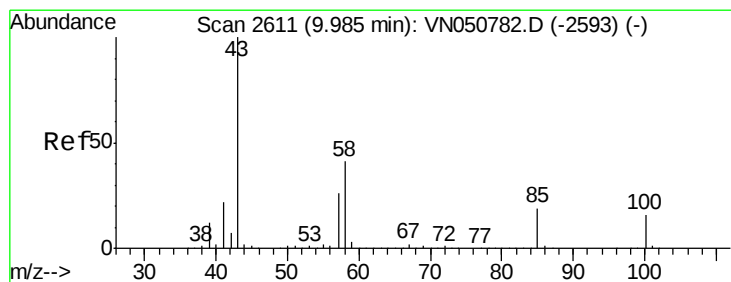
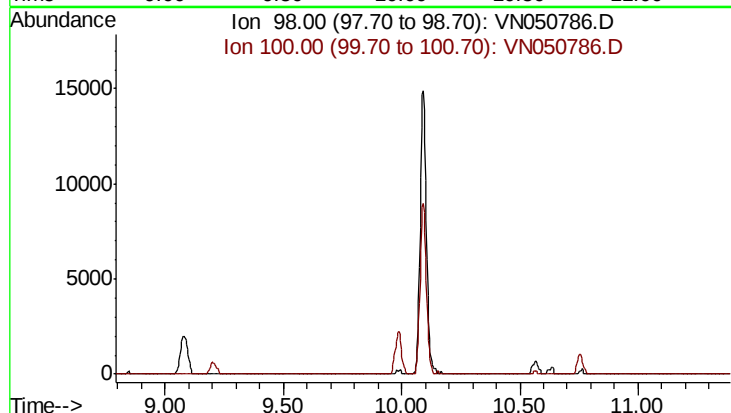
VSTDIC001

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#51

4-Methyl-2-Pentanone

Concen: 4.67 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050786.D

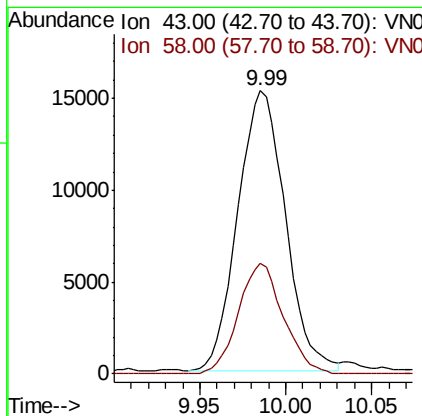
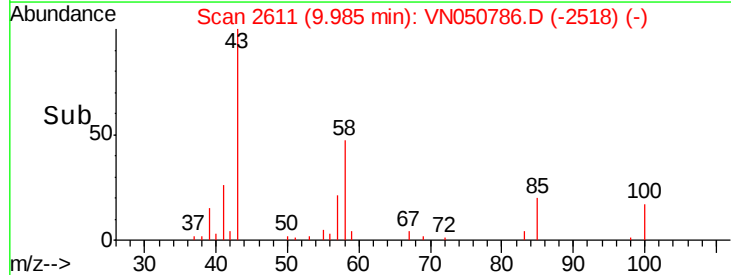
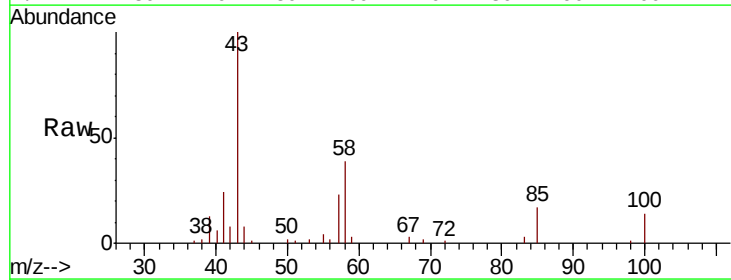
Acq: 21 Aug 2018 13:43

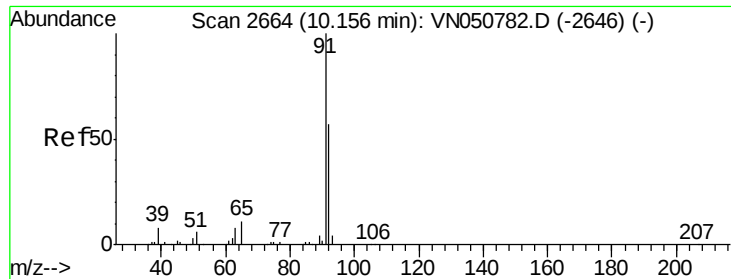
Tgt Ion: 43 Resp: 29304

Ion Ratio Lower Upper

43 100

58 37.2 32.4 48.6





#52

Toluene

Concen: 0.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 15941

Ion Ratio Lower Upper

92 100

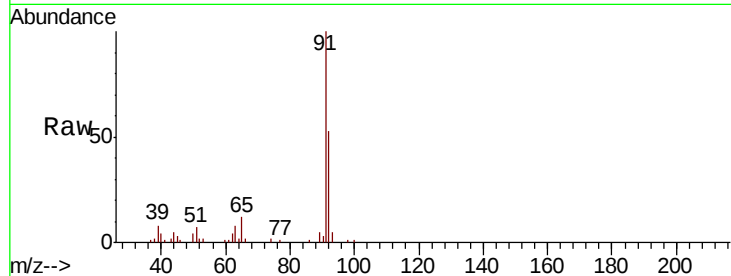
91 180.9 140.6 211.0

Manual Integrations

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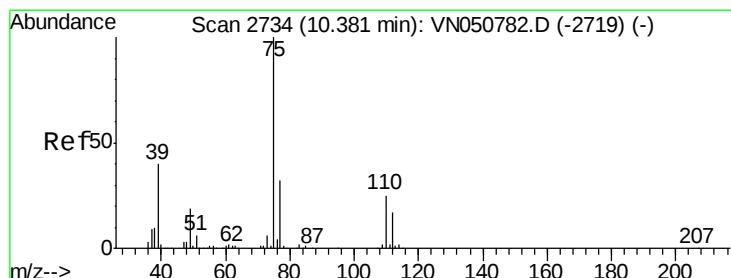
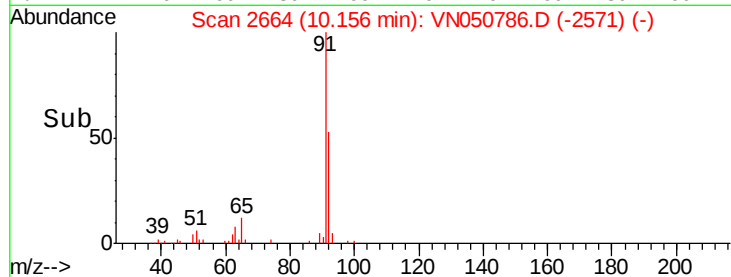
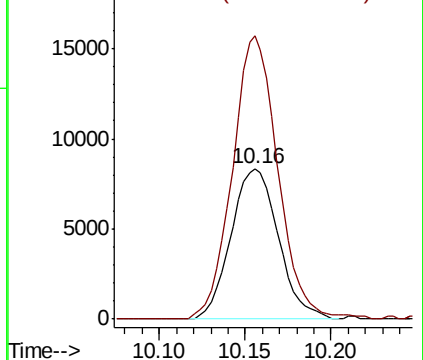
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.87 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050786.D

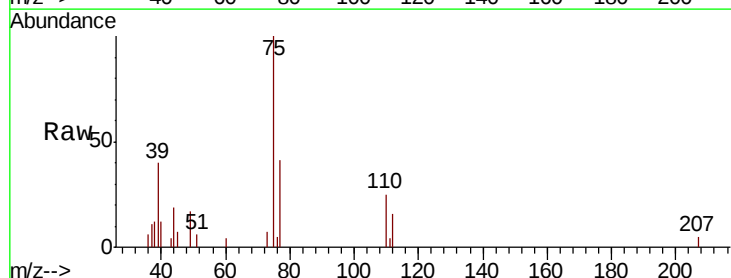
Acq: 21 Aug 2018 13:43

Tgt Ion: 75 Resp: 9008

Ion Ratio Lower Upper

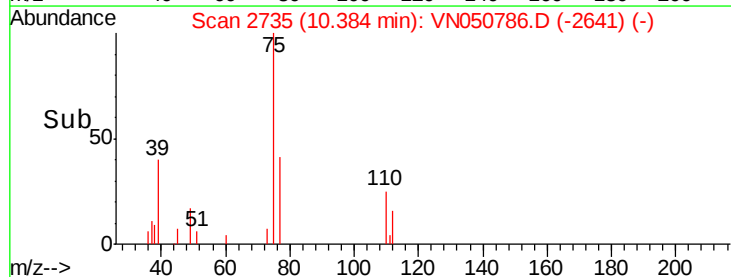
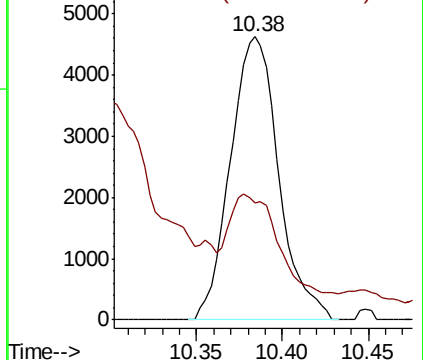
75 100

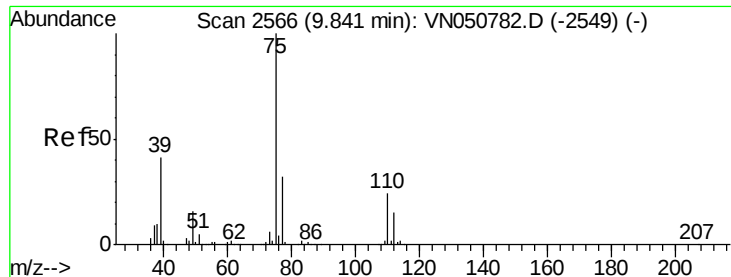
77 32.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.84 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

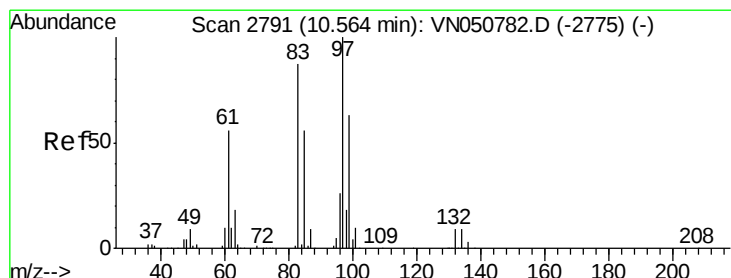
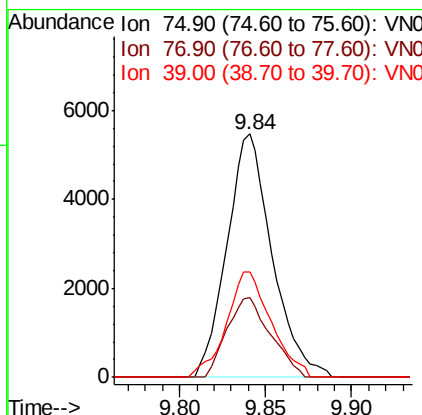
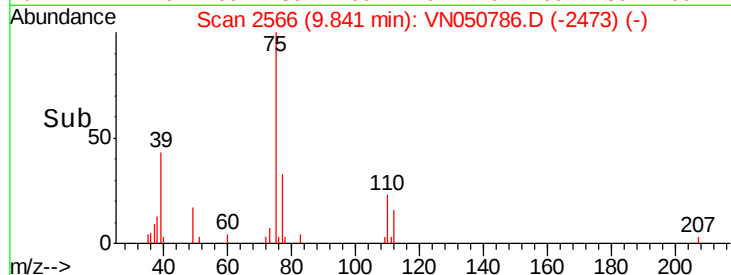
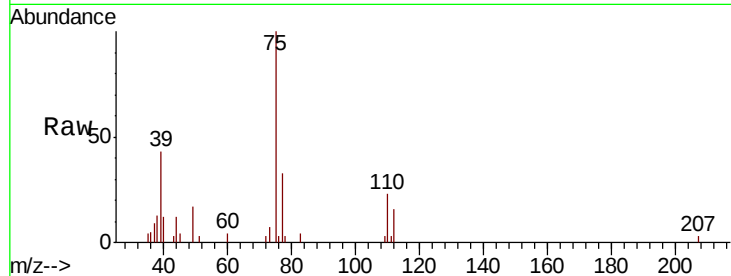
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	9988
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
39	43.3	33.0	49.4

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#55

1,1,2-Trichloroethane

Concen: 0.99 ug/l

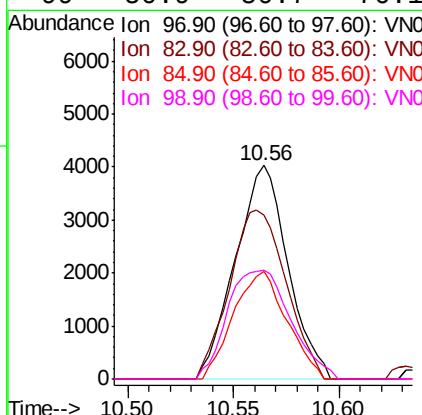
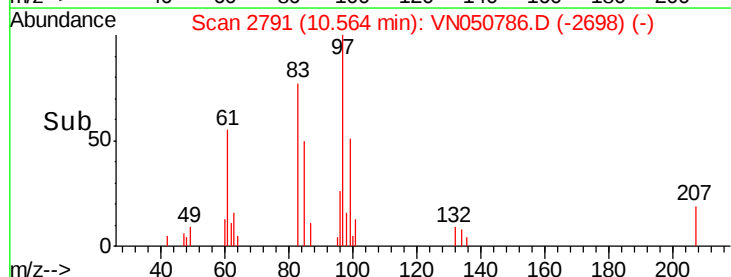
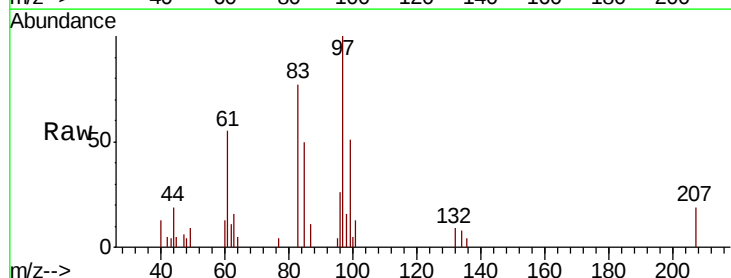
RT: 10.56 min Scan# 2791

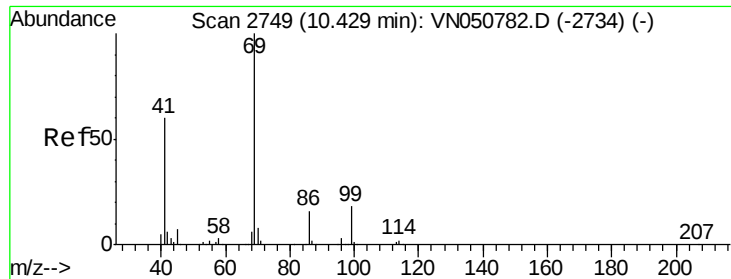
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion:	97	Resp:	6991
Ion	Ratio	Lower	Upper
97	100		
83	76.5	69.7	104.5
85	50.2	44.5	66.7
99	50.9	50.7	76.1





#56

Ethyl methacrylate

Concen: 0.69 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

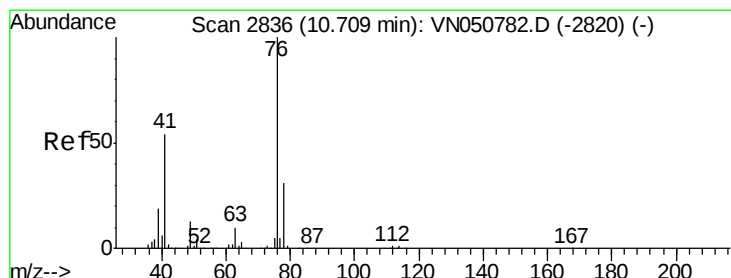
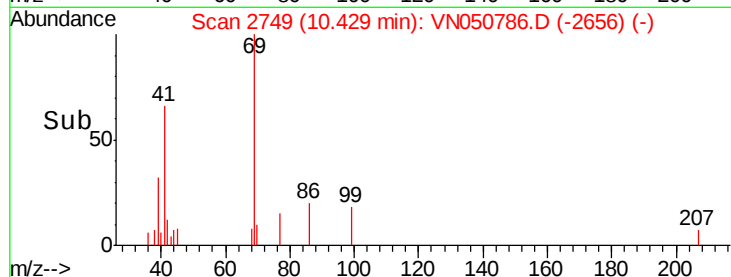
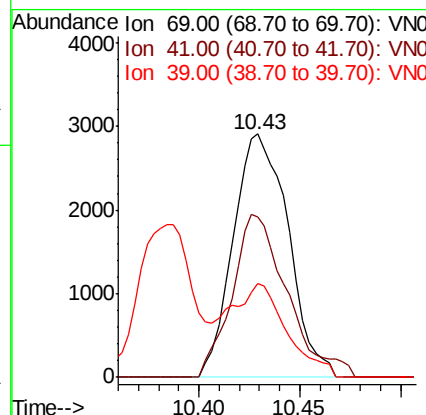
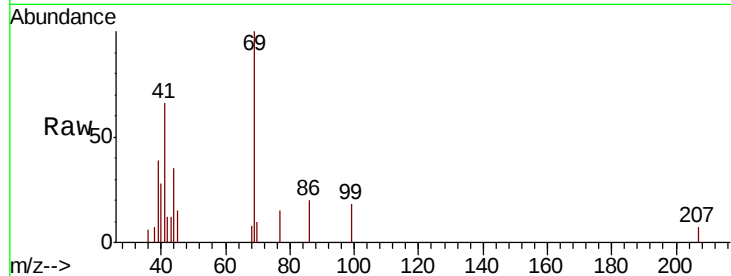
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	5539
Ion	Ratio	Lower	Upper
69	100		
41	67.1	48.3	72.5
39	40.6	24.0	36.0#

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#57

1,3-Dichloropropane

Concen: 0.91 ug/l

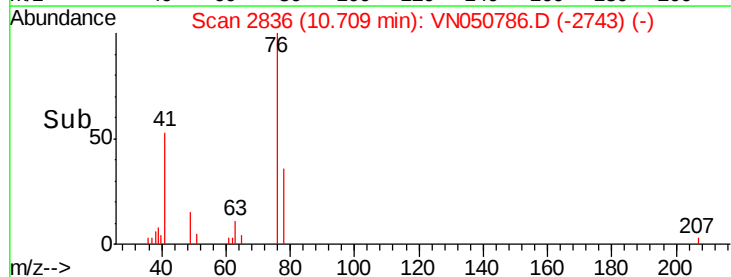
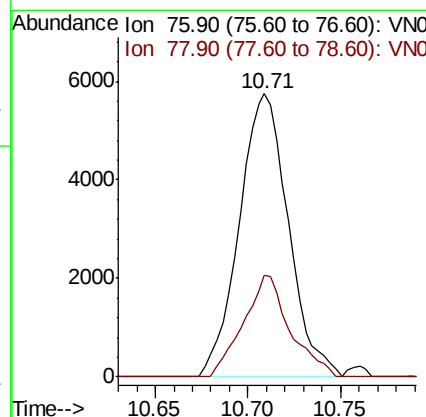
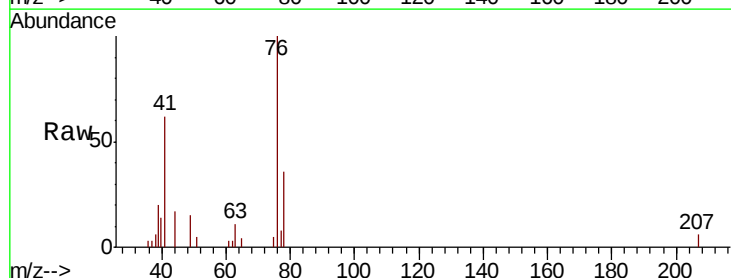
RT: 10.71 min Scan# 2836

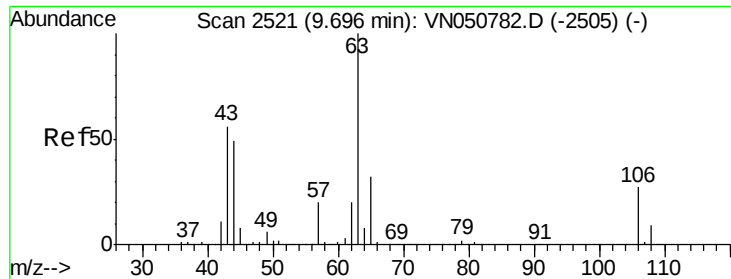
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion:	76	Resp:	10596
Ion	Ratio	Lower	Upper
76	100		
78	33.9	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 3.05 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 10418

Ion Ratio Lower Upper

63 100

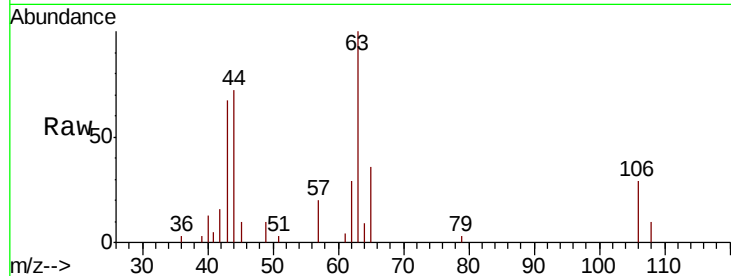
106 29.1 21.9 32.9

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

6000

5000

4000

3000

2000

1000

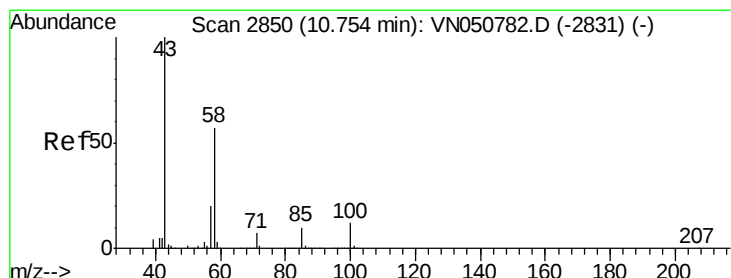
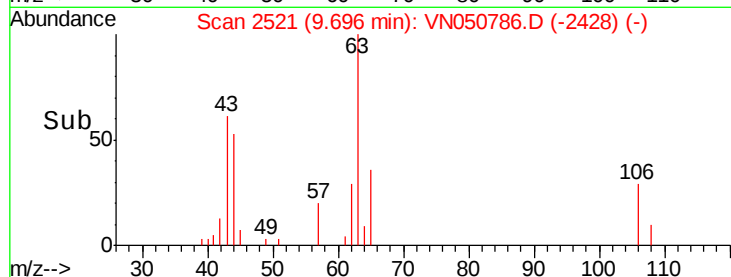
0

9.65

9.70

9.75

Time-->



#59

2-Hexanone

Concen: 4.64 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050786.D

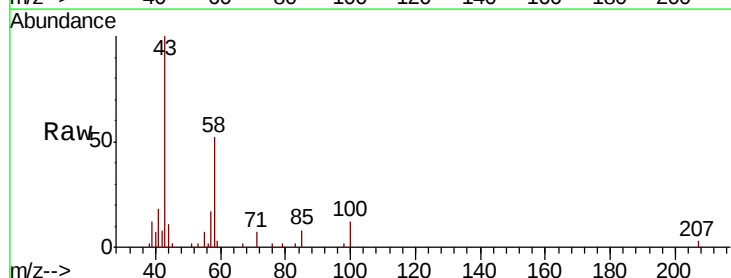
Acq: 21 Aug 2018 13:43

Tgt Ion: 43 Resp: 19401

Ion Ratio Lower Upper

43 100

58 47.5 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

6000

4000

2000

0

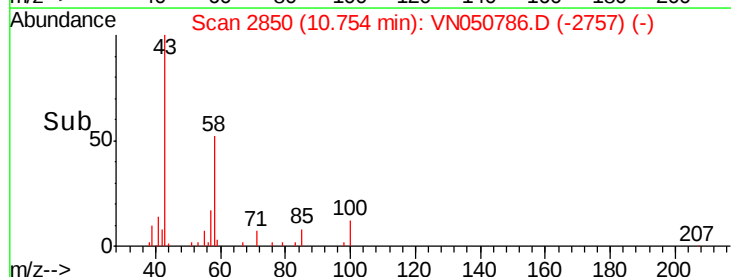
10.70

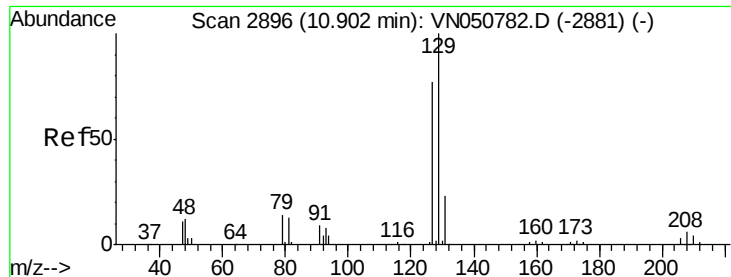
10.75

10.80

10.85

Time-->





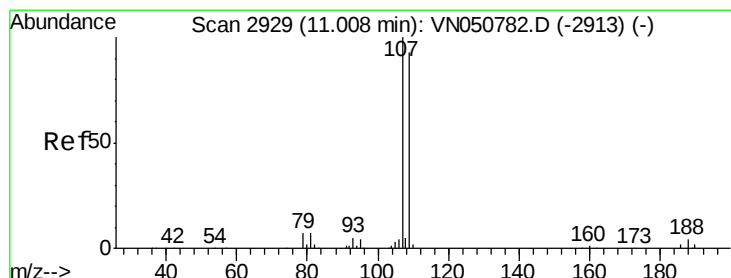
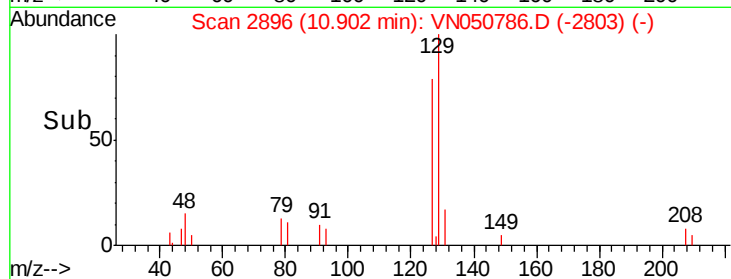
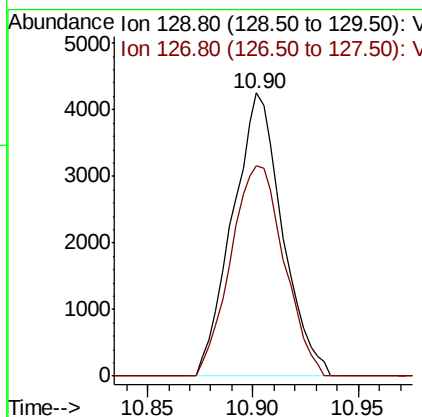
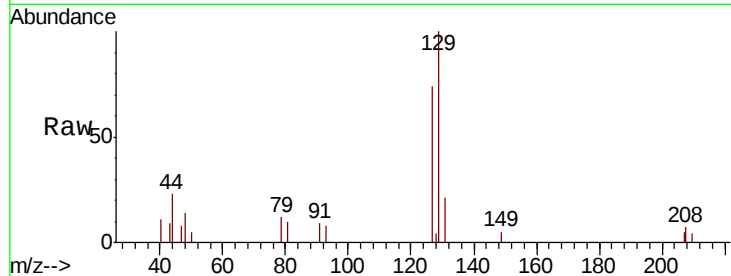
#60
 Dibromochloromethane
 Concen: 0.88 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.3	114.9

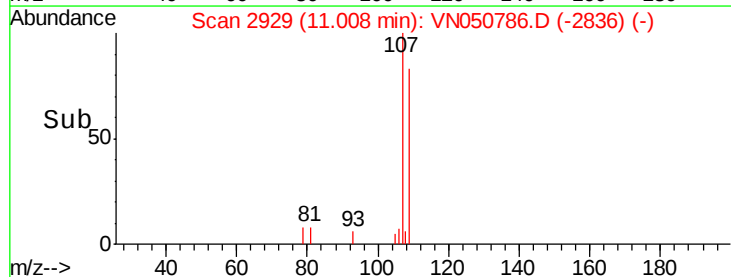
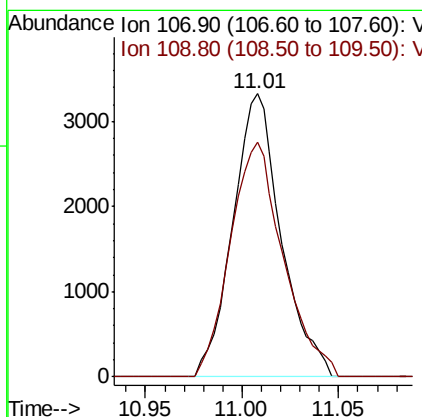
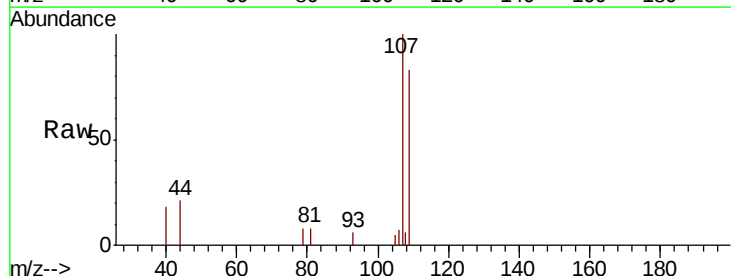
Manual Integrations
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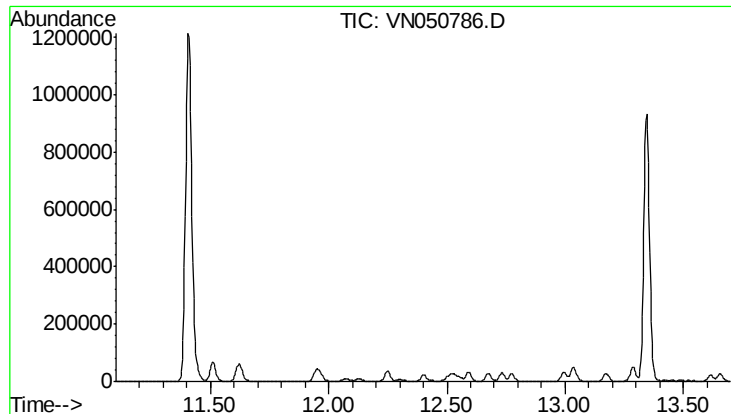
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#61
 1,2-Dibromoethane
 Concen: 0.85 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.5	75.4	113.2





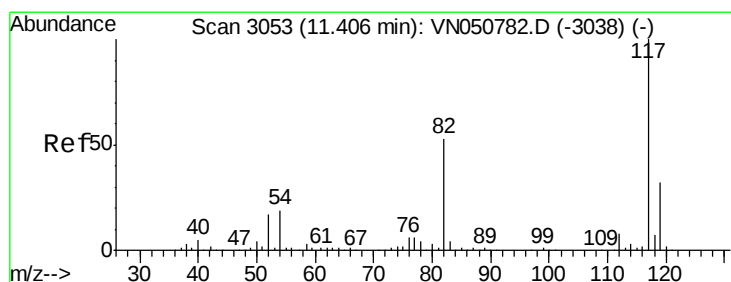
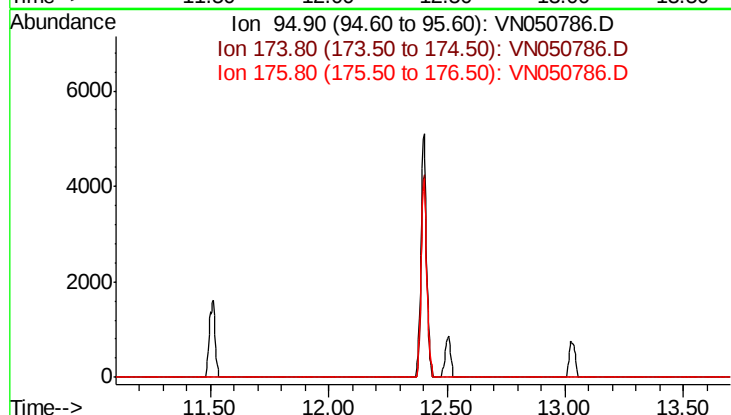
#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.40 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 91.5
 176 89.4

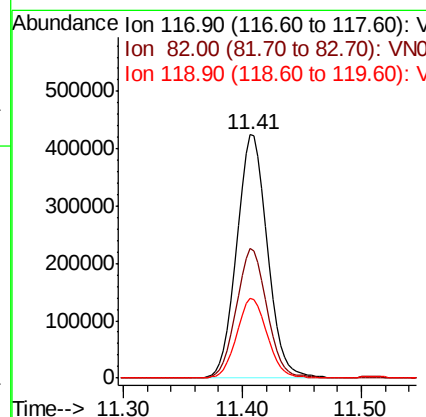
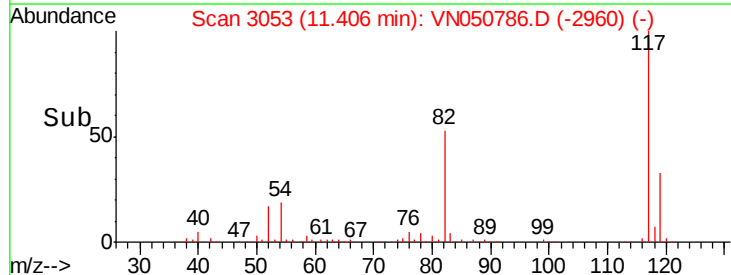
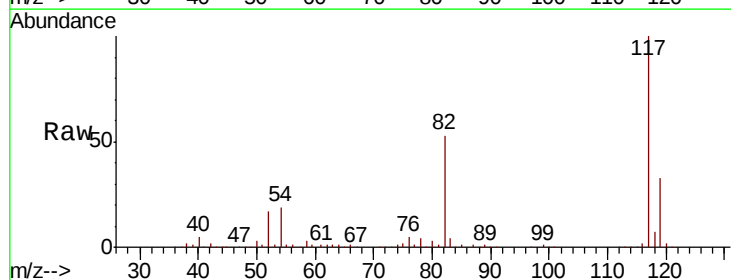
Manual Integrations
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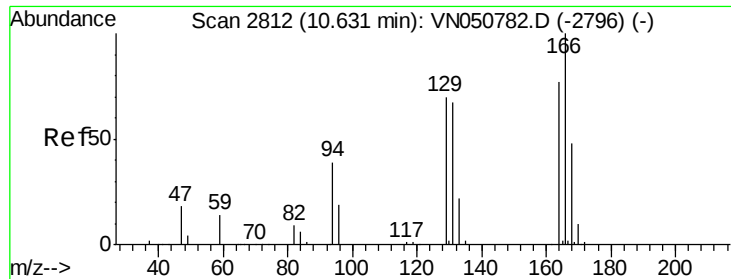
MMDadoda
 8/22/2018 11:19:06 AM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion: 117 Resp: 759933
 Ion Ratio Lower Upper
 117 100
 82 53.1 42.6 64.0
 119 32.7 25.8 38.6





#64

Tetrachloroethene

Concen: 1.10 ug/l

RT: 10.63 min Scan# 2811

Delta R.T. -0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 7957

Ion Ratio Lower Upper

164 100

166 107.7 103.5 155.3

129 86.4 72.7 109.1

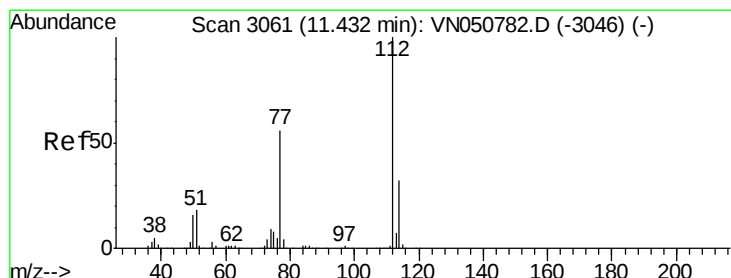
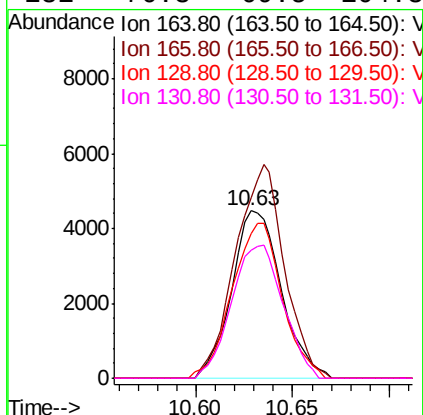
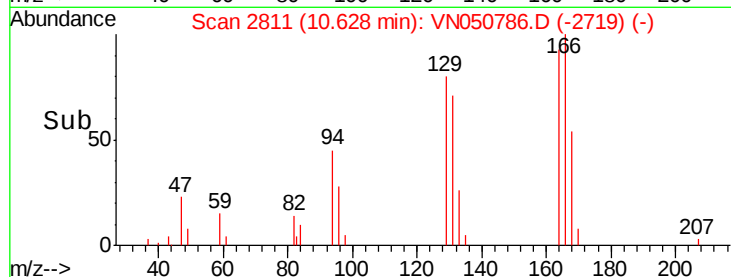
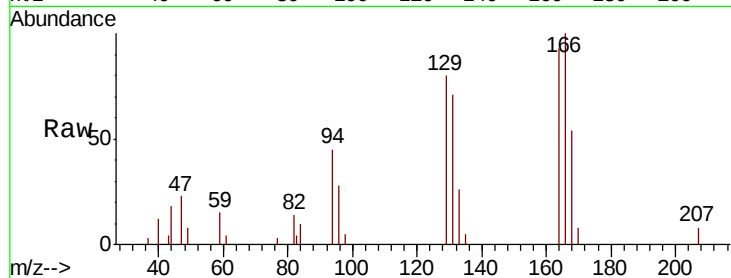
131 76.3 69.5 104.3

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#65

Chlorobenzene

Concen: 1.02 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN050786.D

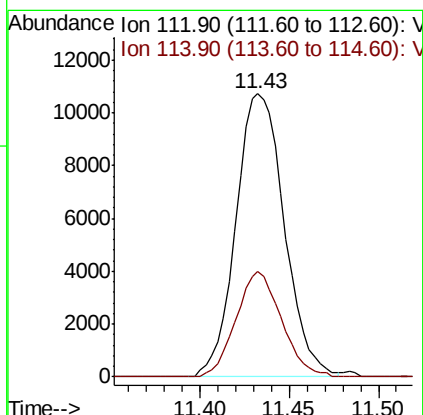
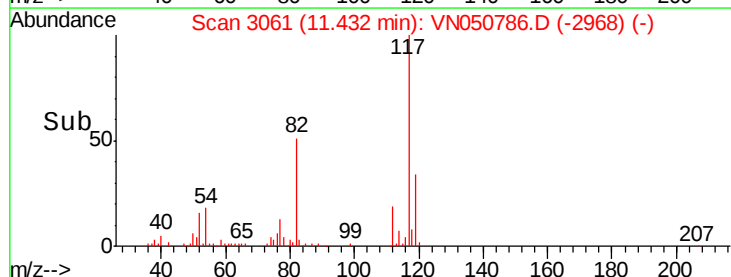
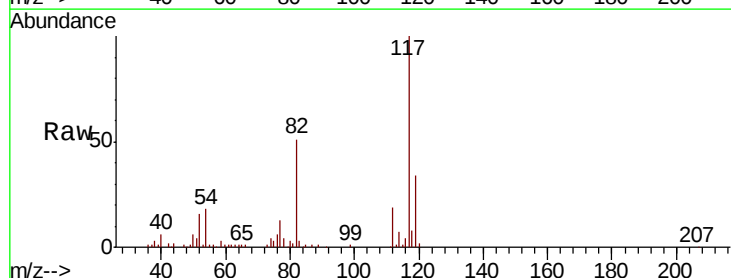
Acq: 21 Aug 2018 13:43

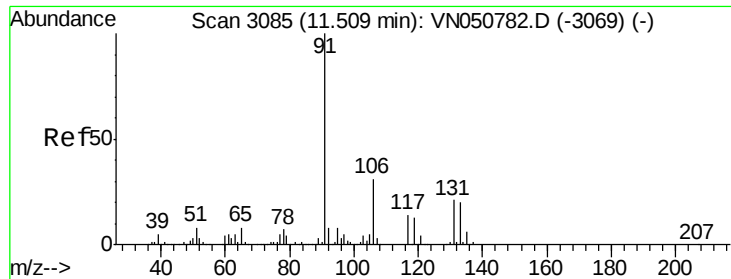
Tgt Ion:112 Resp: 20284

Ion Ratio Lower Upper

112 100

114 37.1 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 1.01 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

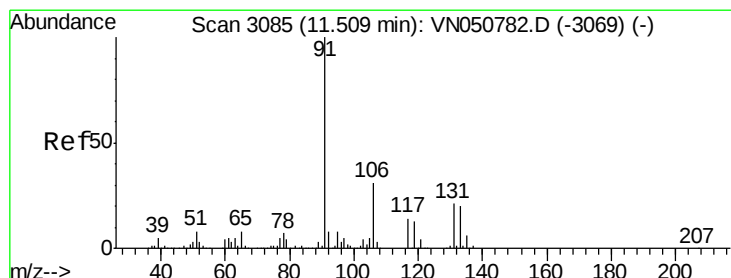
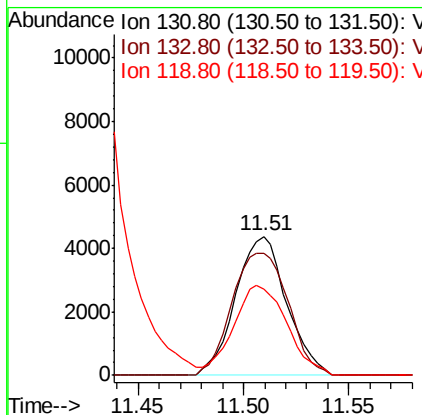
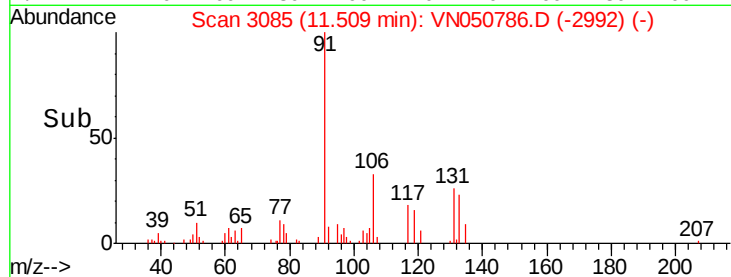
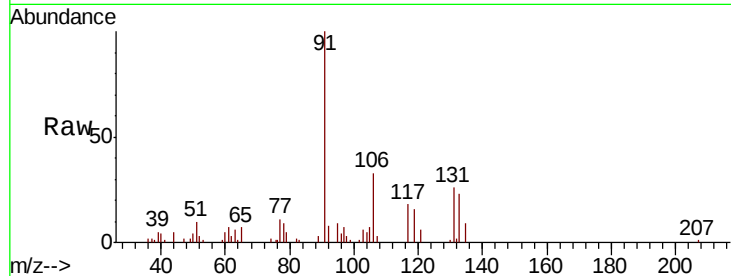
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.4	142.3
119	0.0	32.8	98.4#

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#67

Ethyl Benzene

Concen: 0.89 ug/l

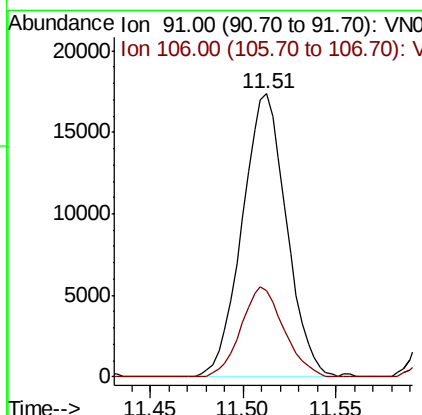
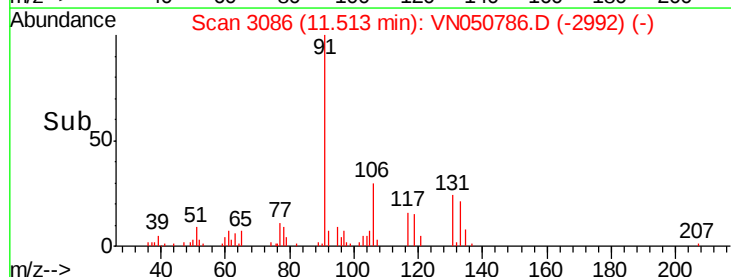
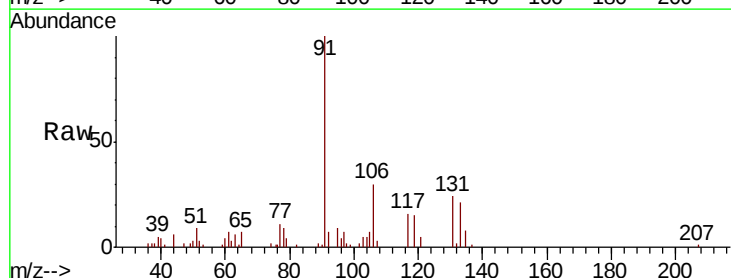
RT: 11.51 min Scan# 3086

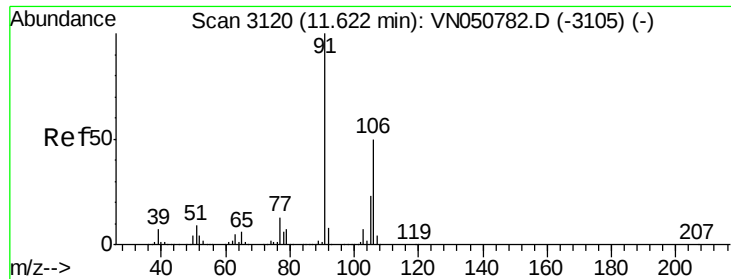
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.4





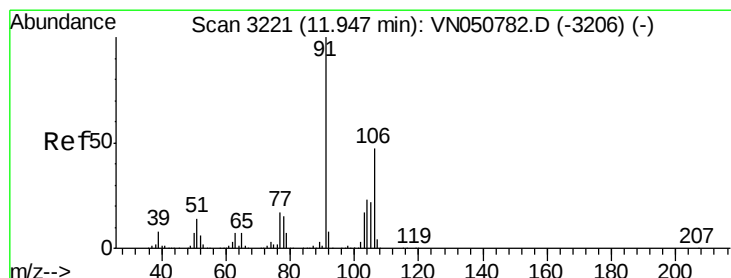
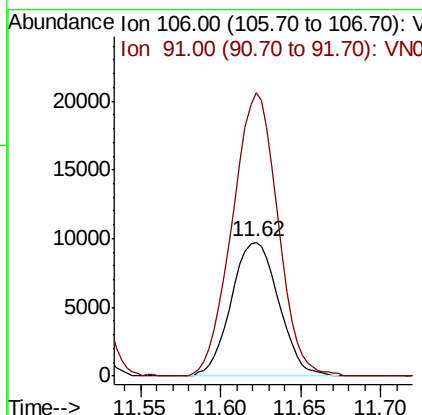
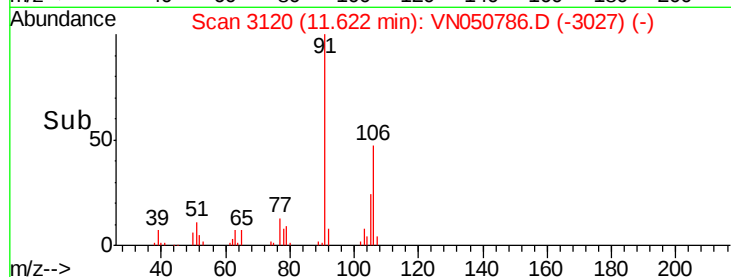
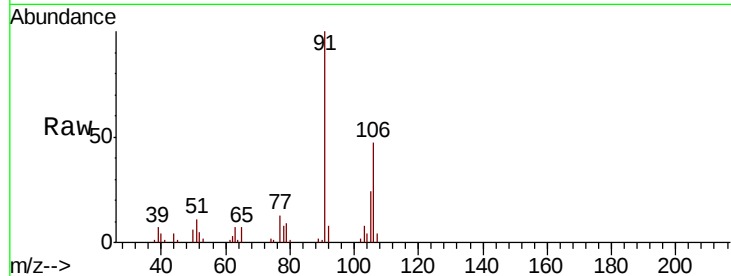
#68
m/p-Xylenes
Concen: 1.61 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		19713		
91	203.3	161.0	241.6		

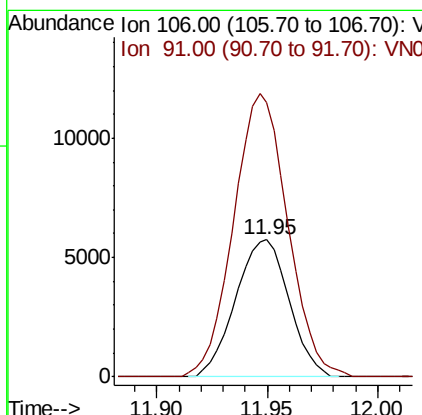
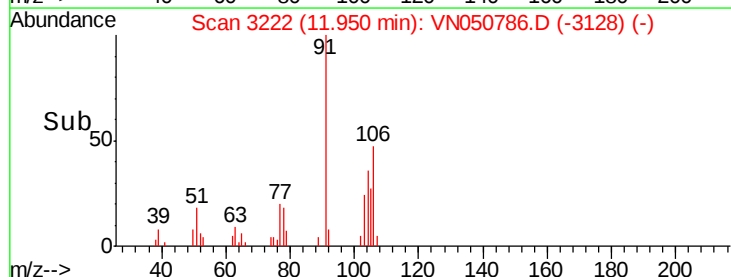
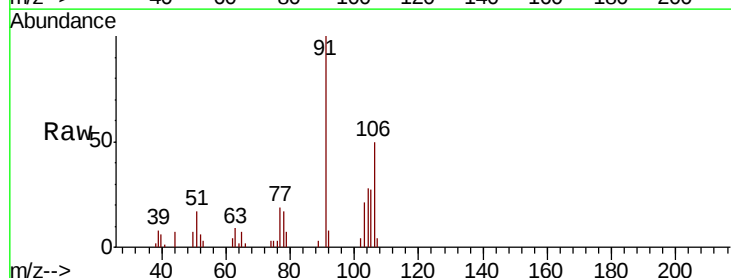
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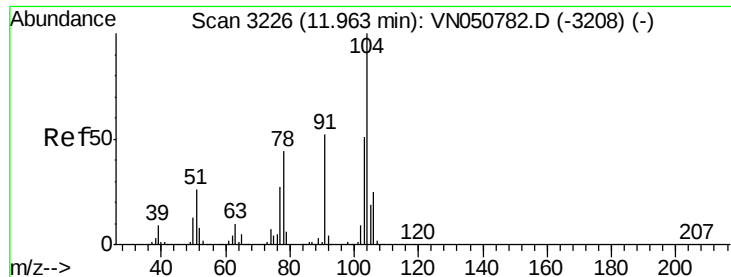
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#69
o-Xylene
Concen: 0.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		9645		
91	209.0	106.5	319.5		





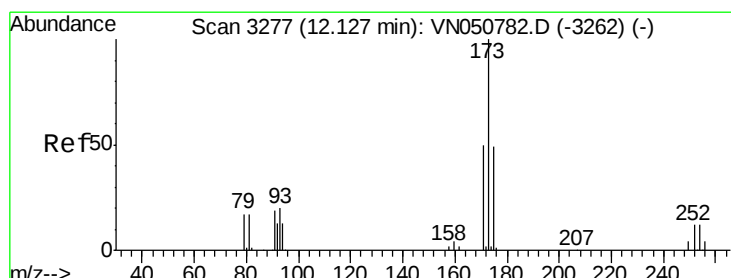
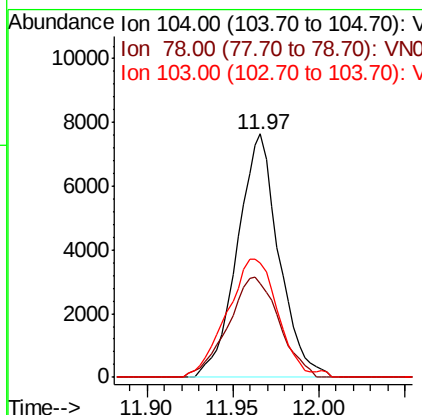
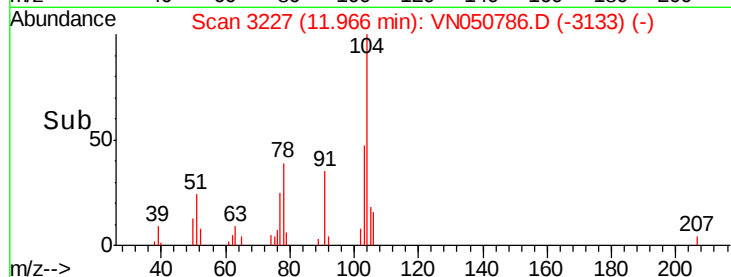
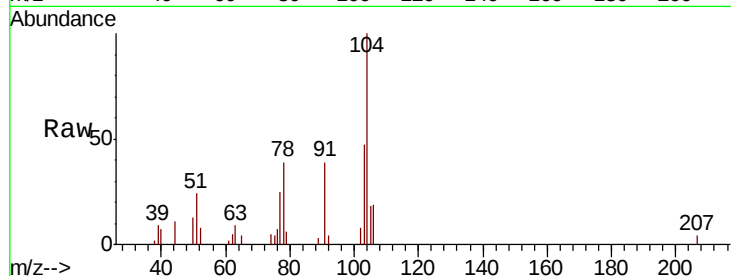
#70
Stvrene
Concen: 0.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	38.2	57.4
103	60.2	44.4	66.6

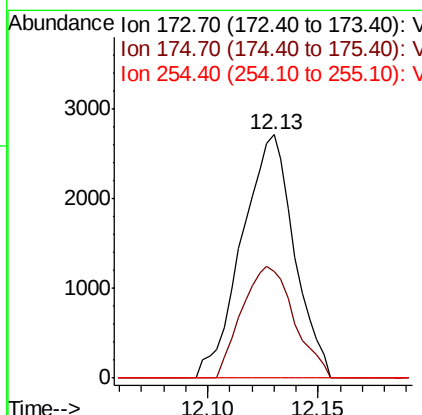
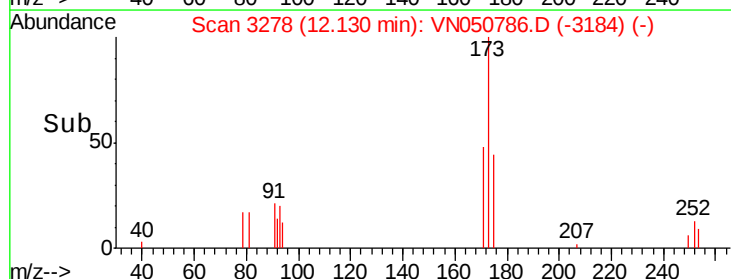
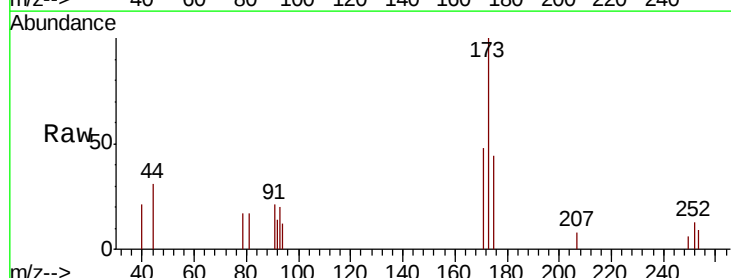
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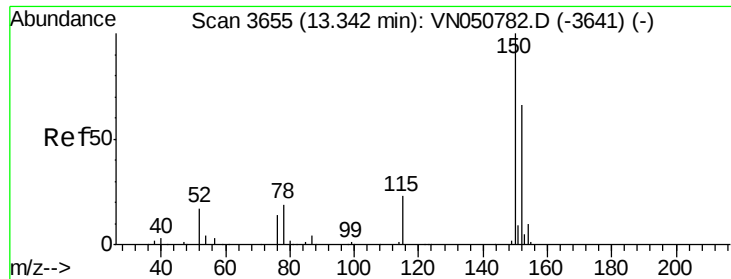
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#71
Bromoform
Concen: 0.89 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.4	73.4
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 267946

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

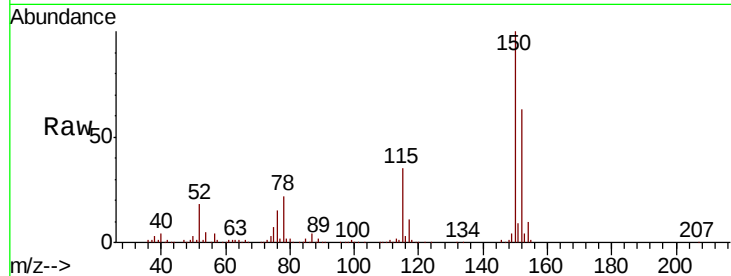
150 158.2 0.0 351.4

Manual Integrations

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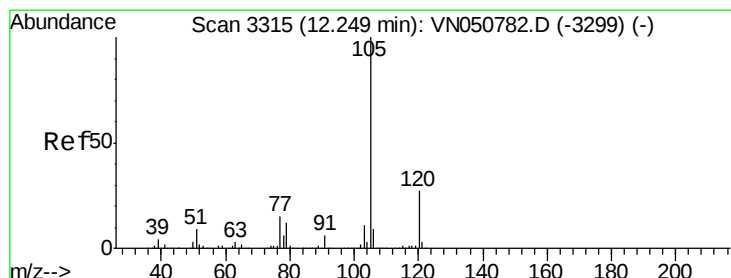
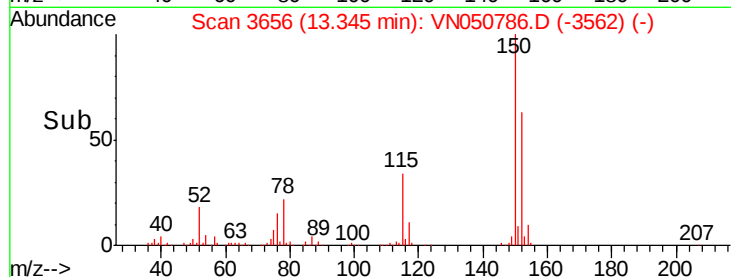
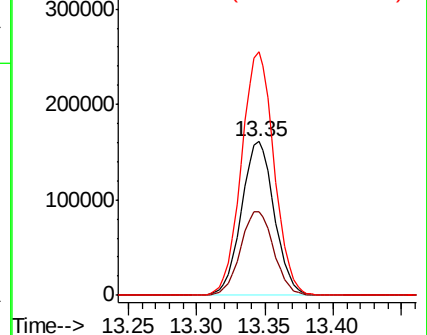
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.05 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050786.D

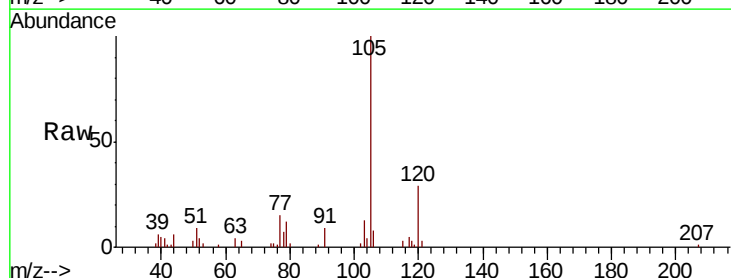
Acq: 21 Aug 2018 13:43

Tgt Ion:105 Resp: 23247

Ion Ratio Lower Upper

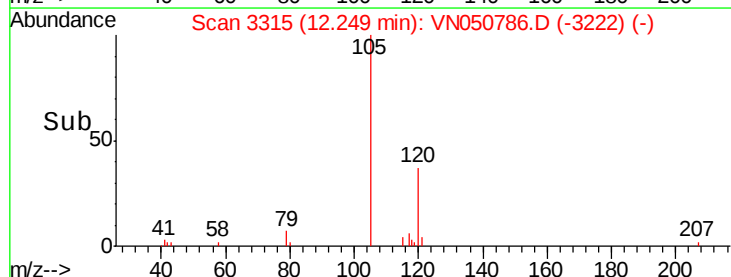
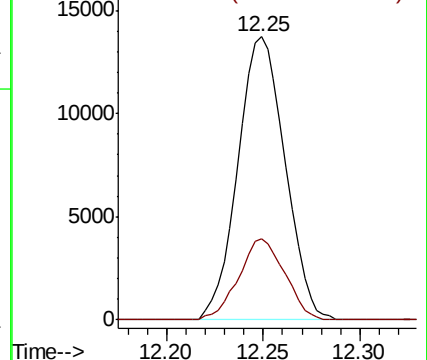
105 100

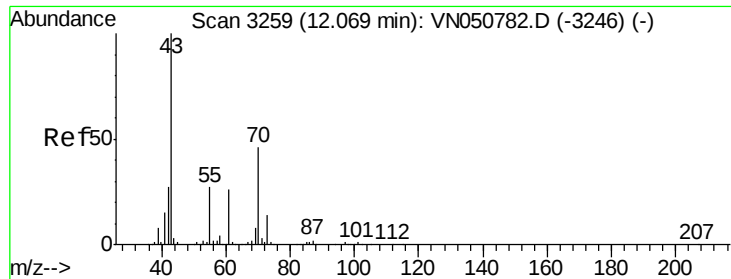
120 27.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.99 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

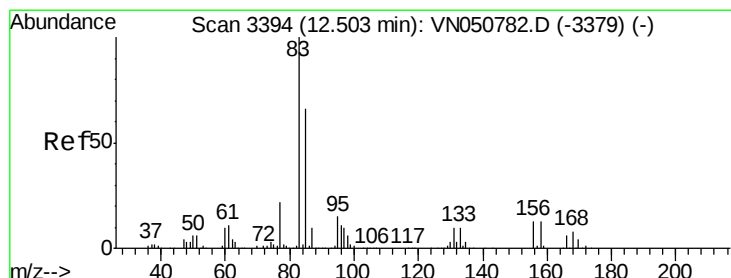
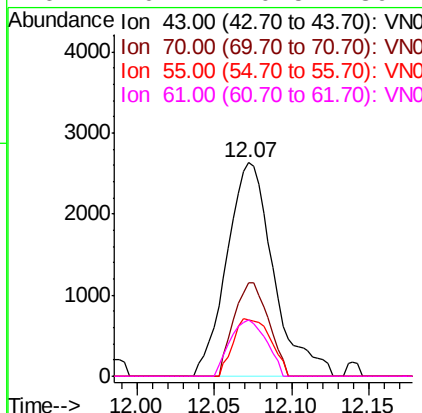
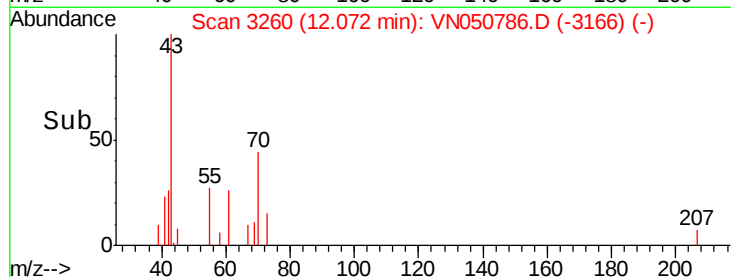
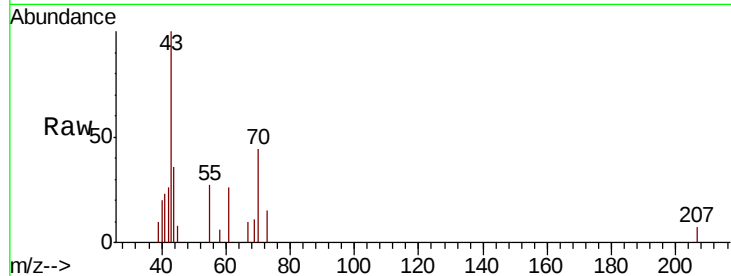
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	32.3	36.2	54.2#
55	21.4	21.8	32.8#
61	20.4	20.5	30.7#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.33 ug/l

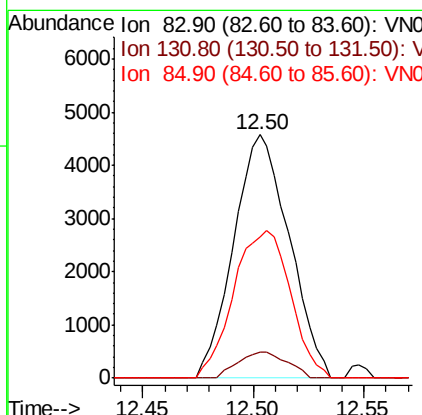
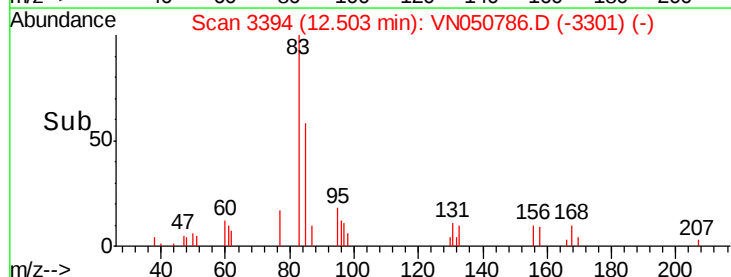
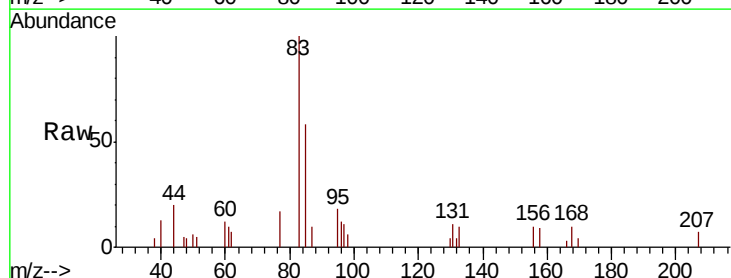
RT: 12.50 min Scan# 3394

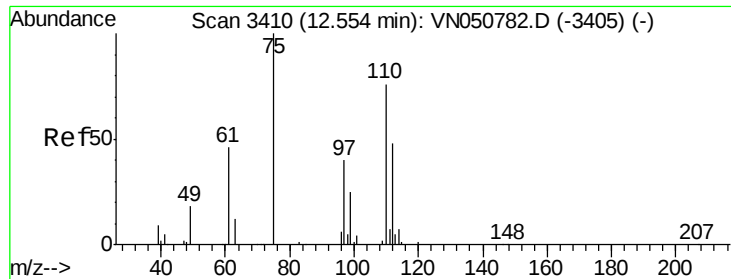
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.3	15.9
85	62.1	31.9	95.7





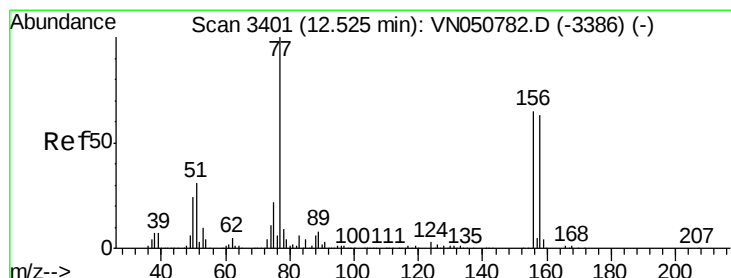
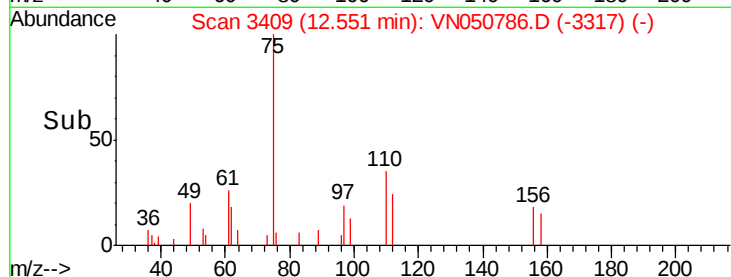
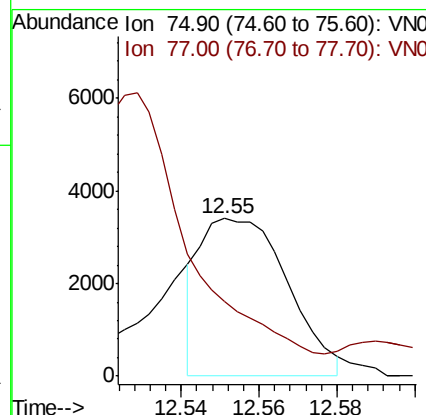
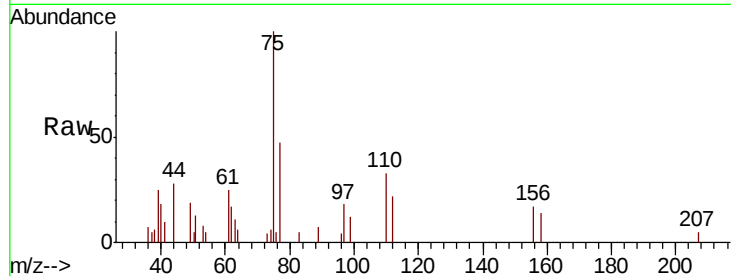
#76
 1,2,3-Trichloropropane
 Concen: 1.17 ug/l m
 RT: 12.55 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 5310
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

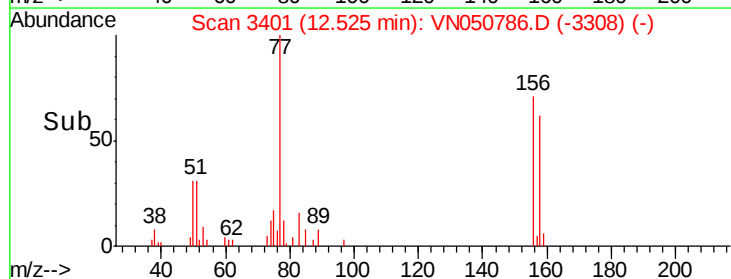
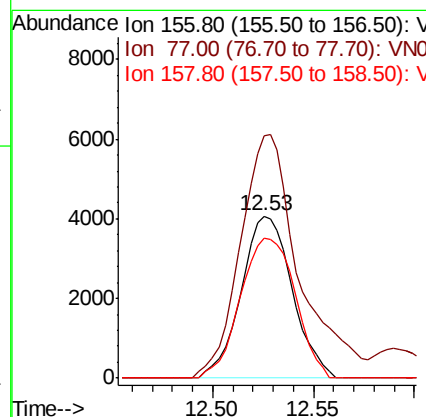
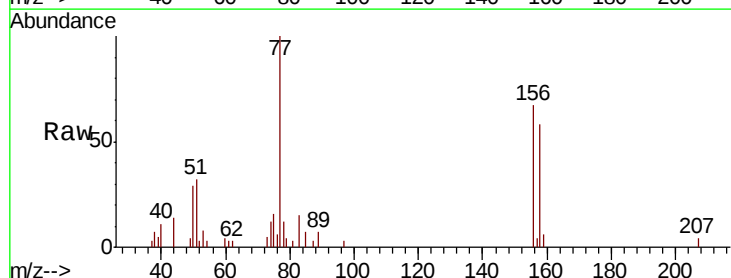
Manual Integrations
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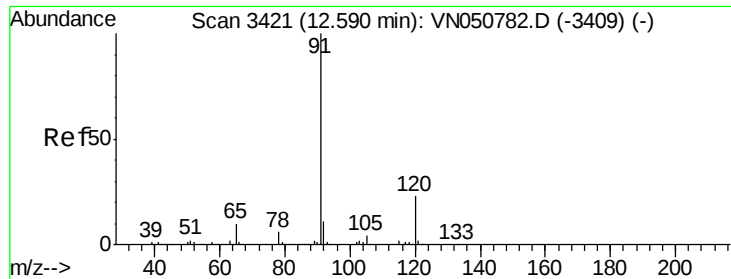
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#77
 Bromobenzene
 Concen: 1.19 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion: 156 Resp: 7180
 Ion Ratio Lower Upper
 156 100
 77 174.1 89.9 269.7
 158 93.0 49.3 147.9





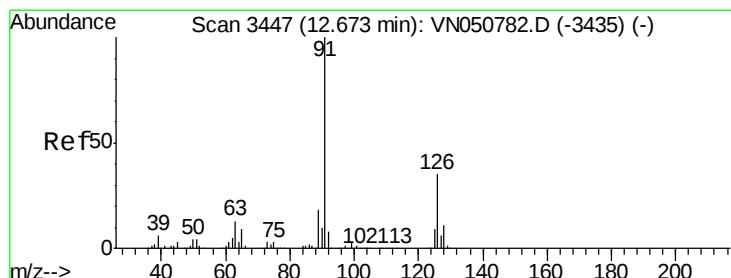
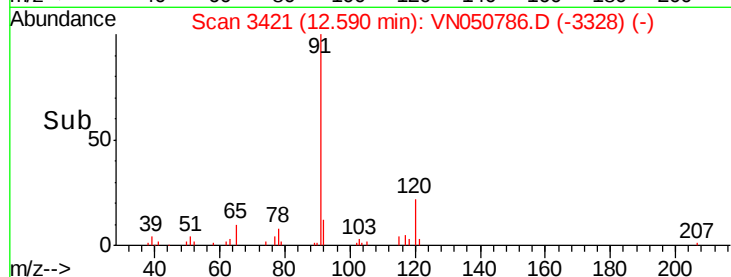
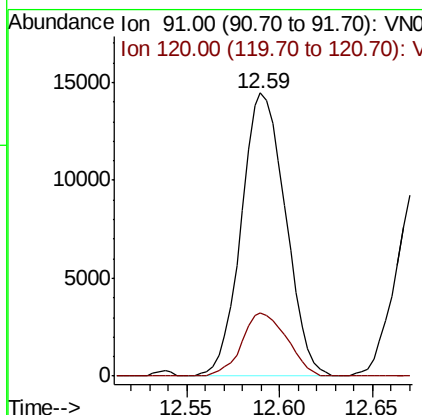
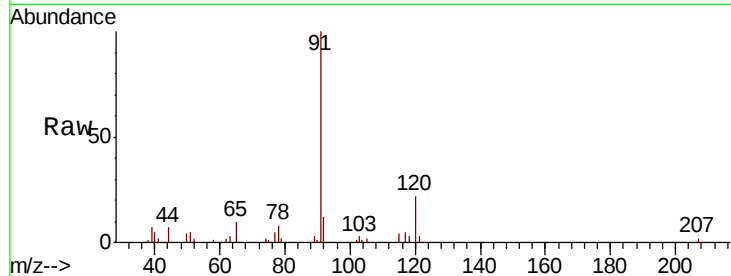
#78
n-propylbenzene
Concen: 0.97 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 23939
Ion Ratio Lower Upper
91 100
120 22.7 11.7 35.0

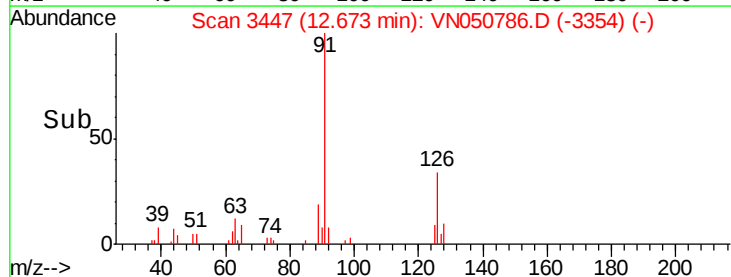
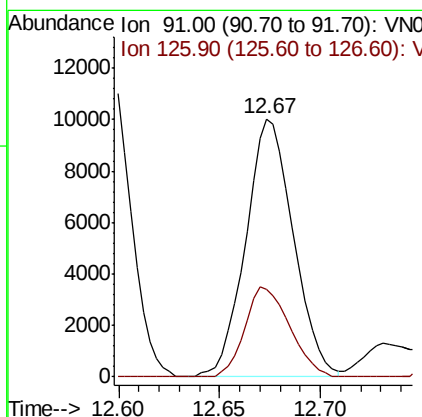
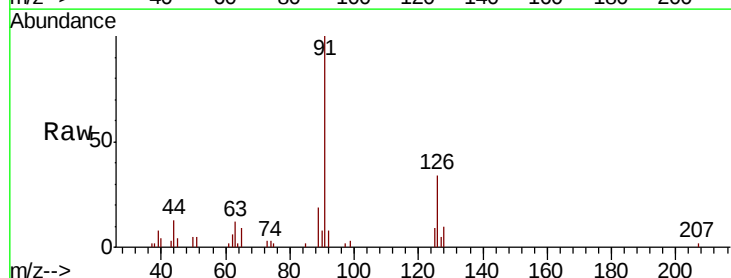
Manual Integrations
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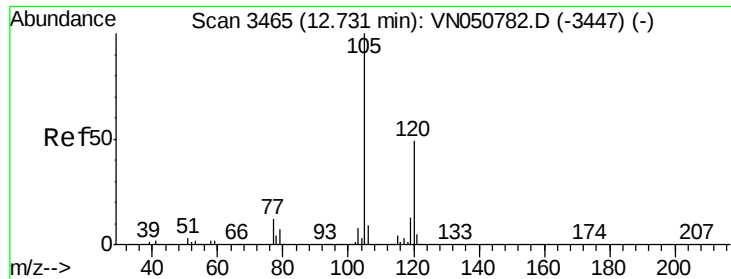
MMDadoda
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#79
2-Chlorotoluene
Concen: 1.08 ug/l
RT: 12.67 min Scan# 3447
Delta R.T. 0.00 min
Lab File: VN050786.D
Acq: 21 Aug 2018 13:43

Tgt Ion: 91 Resp: 16602
Ion Ratio Lower Upper
91 100
126 32.6 17.8 53.3





#80

1,3,5-Trimethylbenzene

Concen: 0.92 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 16468

Ion Ratio Lower Upper

105 100

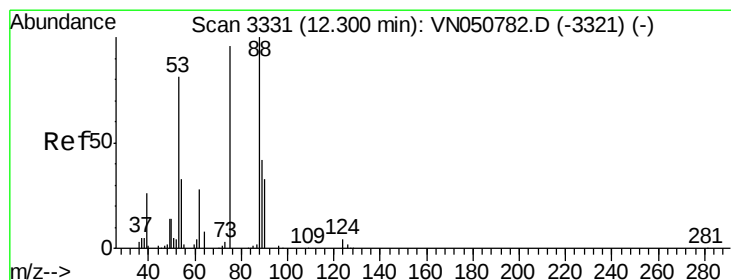
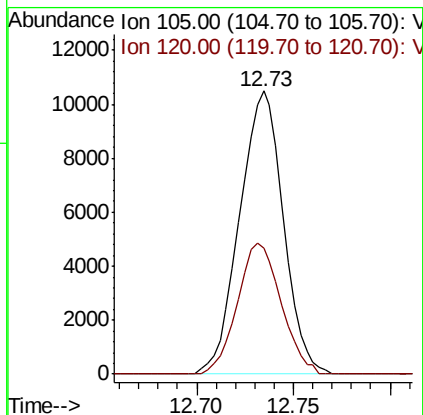
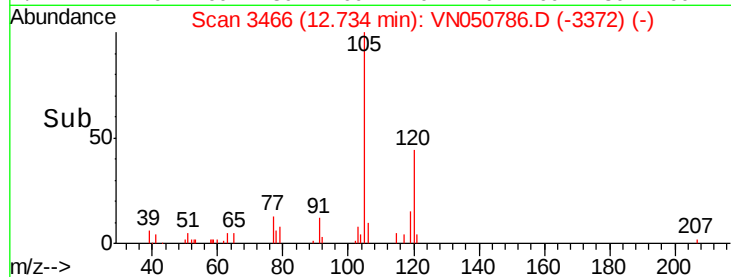
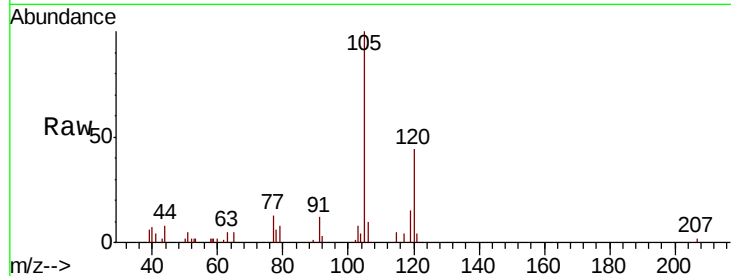
120 46.2 24.6 74.0

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.98 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

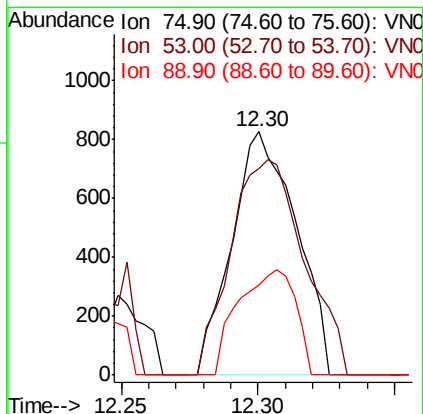
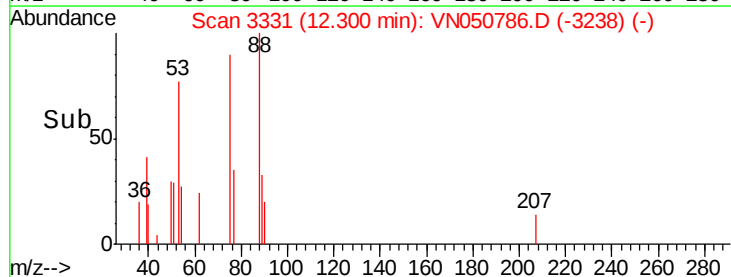
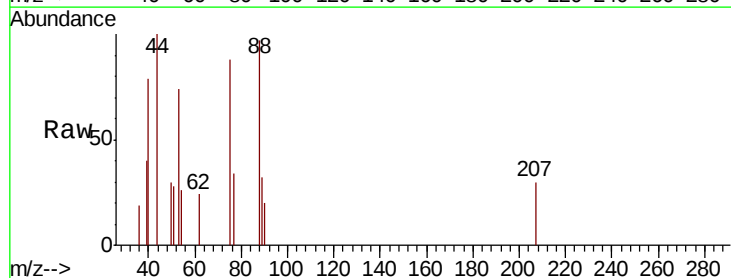
Tgt Ion: 75 Resp: 1356

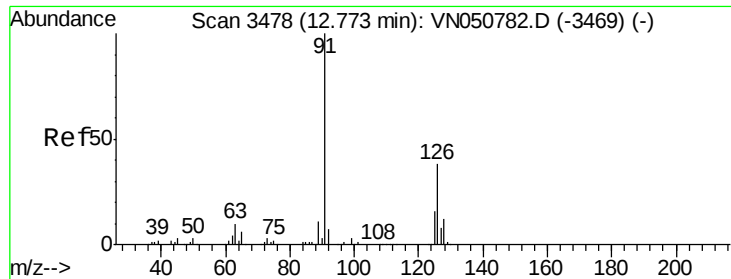
Ion Ratio Lower Upper

75 100

53 100.7 68.9 103.3

89 38.6 36.1 54.1





#82

4-Chlorotoluene

Concen: 0.98 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 14918

Ion Ratio Lower Upper

91 100

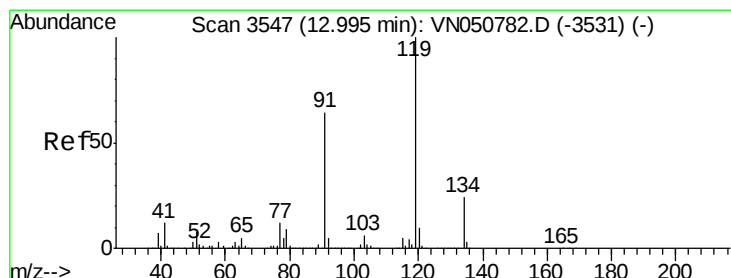
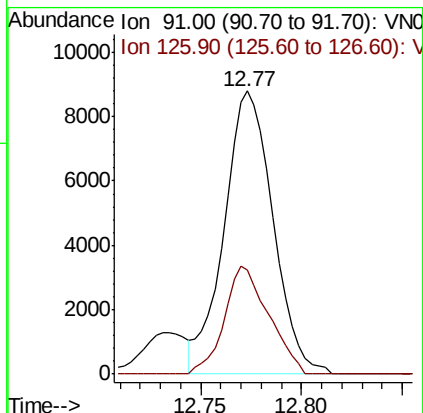
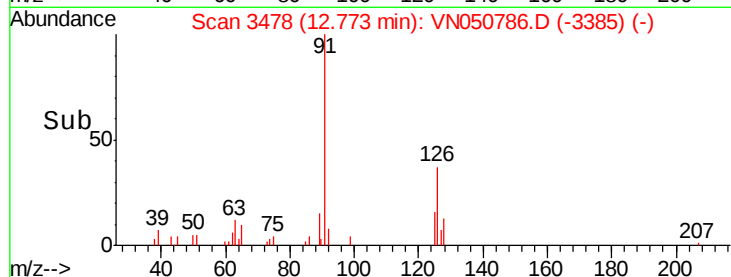
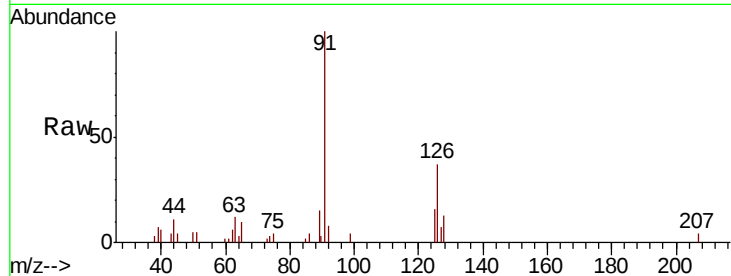
126 34.5 17.5 52.5

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#83

tert-Butylbenzene

Concen: 0.98 ug/l

RT: 12.99 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

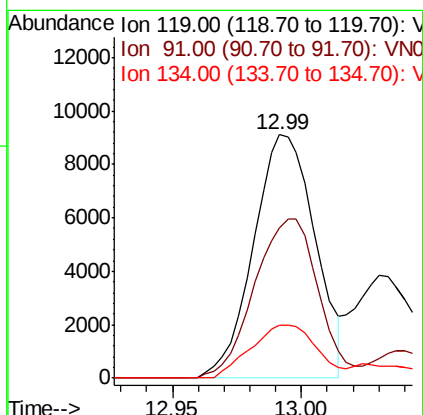
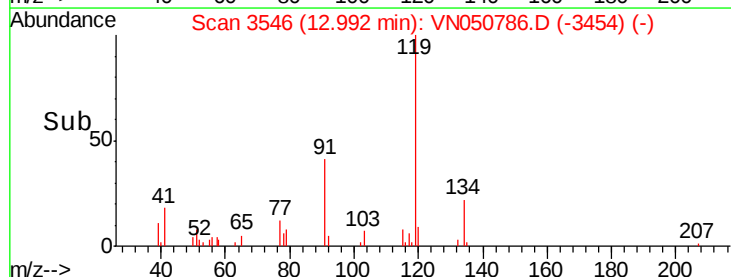
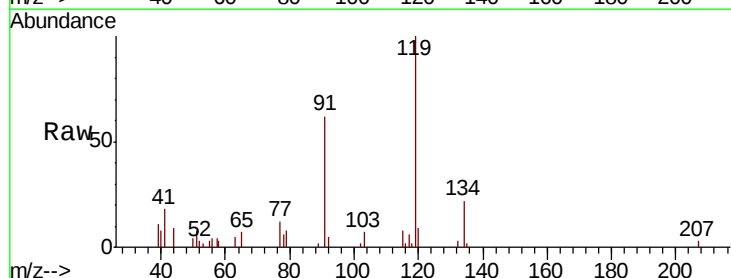
Tgt Ion: 119 Resp: 15173

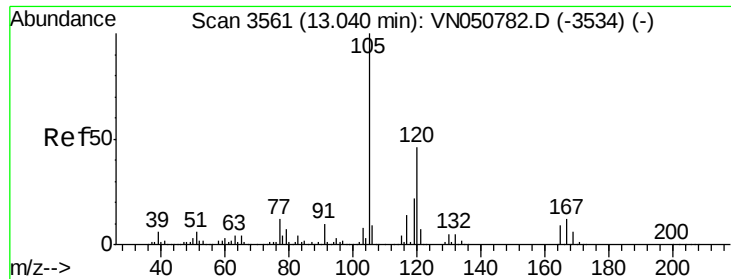
Ion Ratio Lower Upper

119 100

91 67.1 31.6 94.7

134 23.3 13.4 40.1





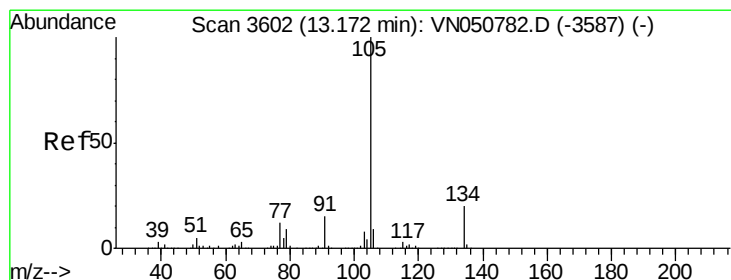
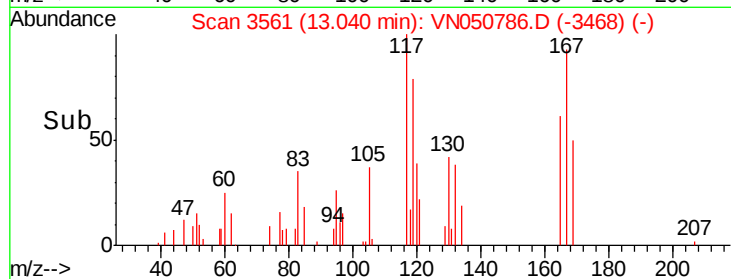
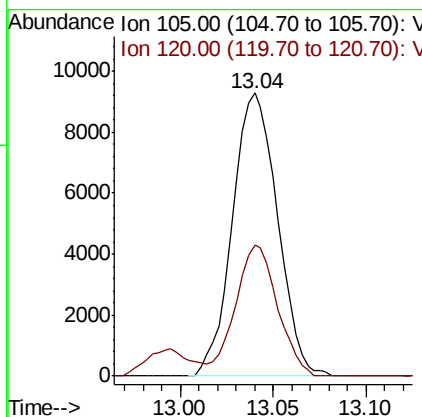
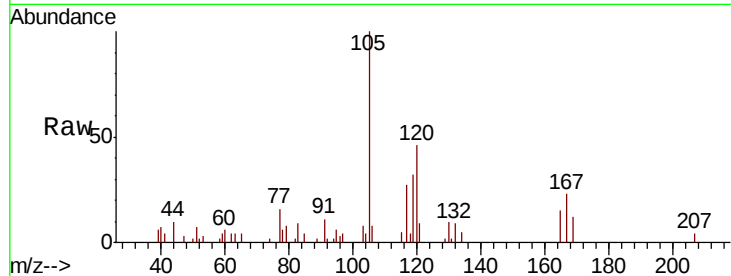
#84
 1,2,4-Trimethylbenzene
 Concen: 0.87 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 15652
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.9 68.8

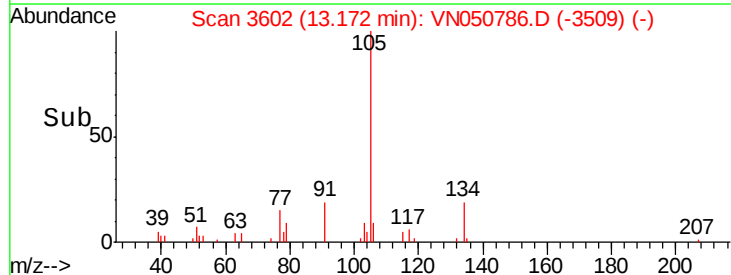
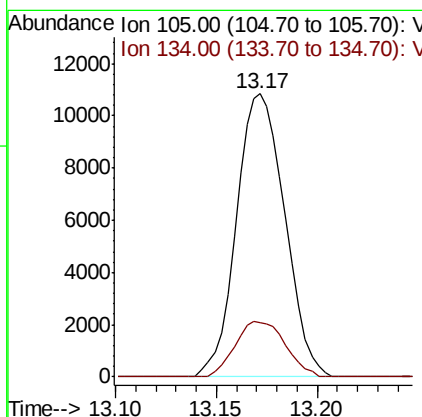
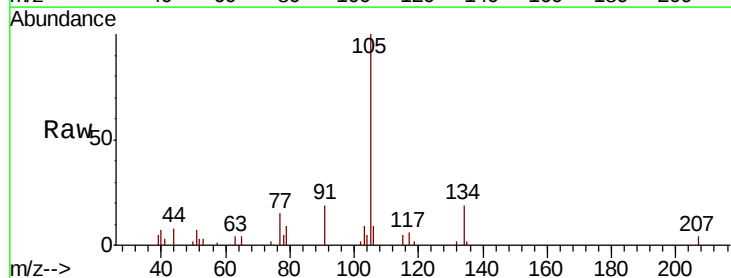
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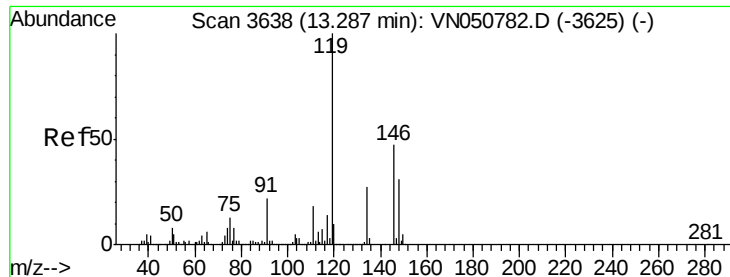
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#85
 sec-Butylbenzene
 Concen: 0.89 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion:105 Resp: 18163
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8





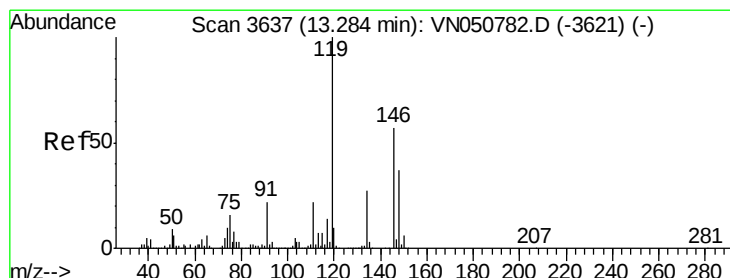
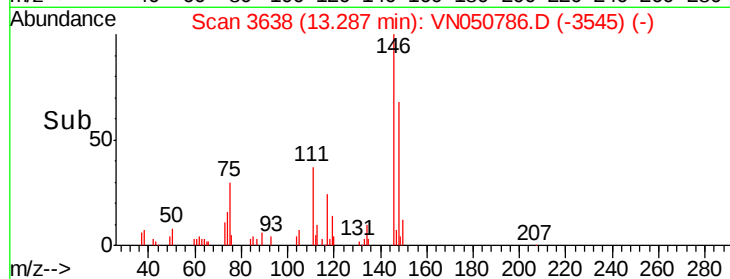
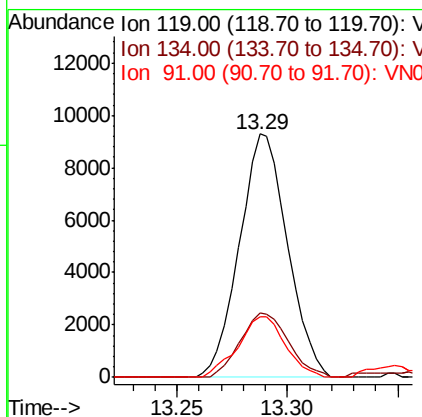
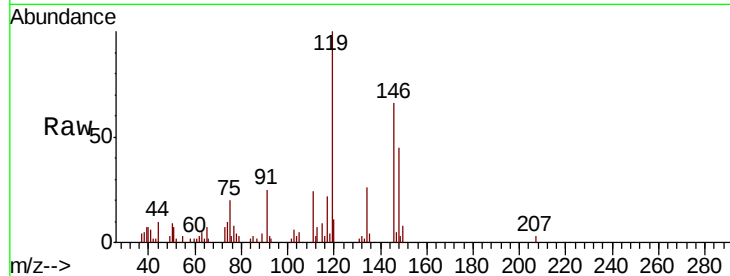
#86
 p-Isopropyltoluene
 Concen: 0.81 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	14013
Ion Ratio	Lower	Upper	
119	100		
134	26.5	13.7	41.0
91	24.6	11.2	33.5

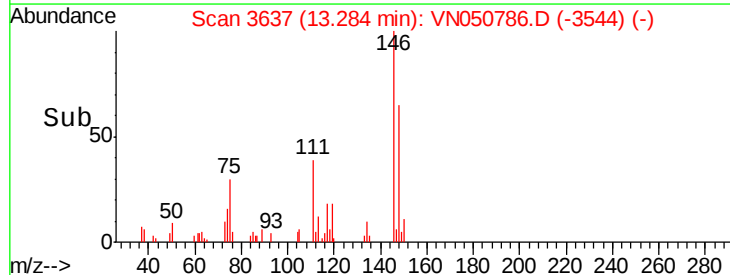
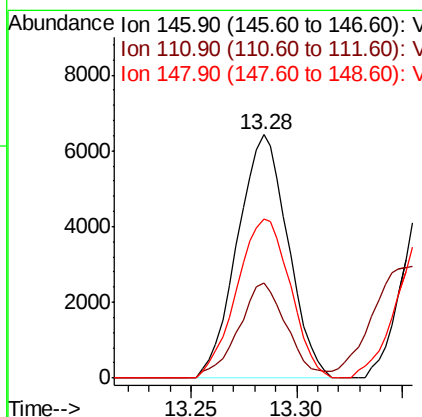
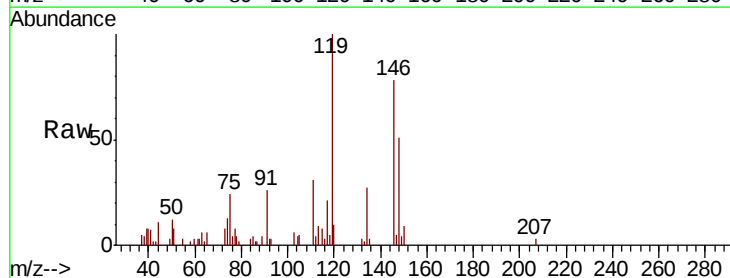
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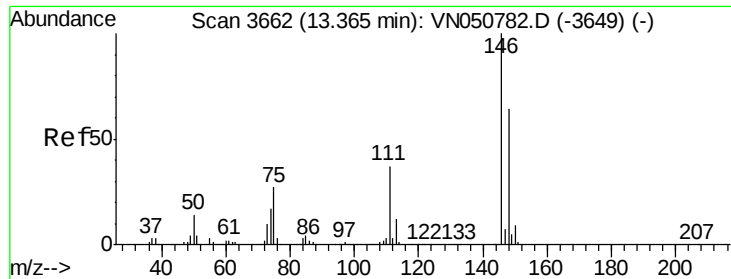
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#87
 1,3-Dichlorobenzene
 Concen: 1.04 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion:	146	Resp:	10673
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.3
148	69.2	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 1.12 ug/l m

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

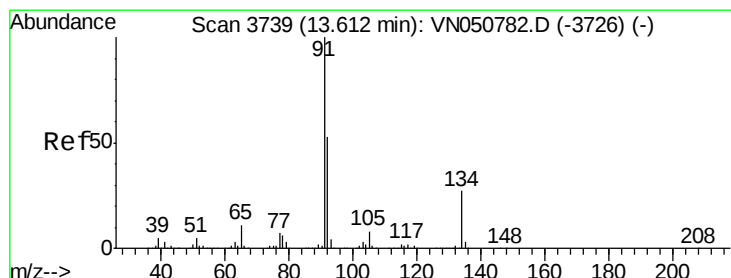
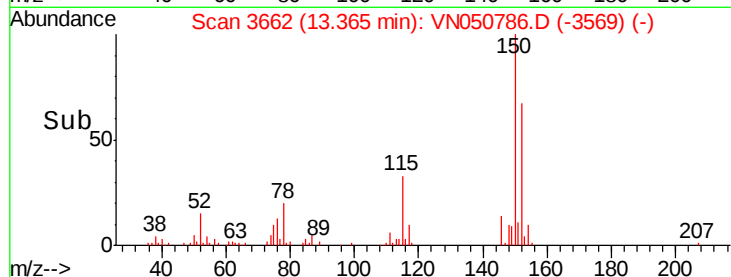
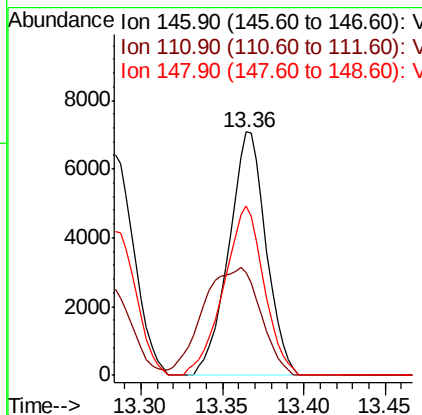
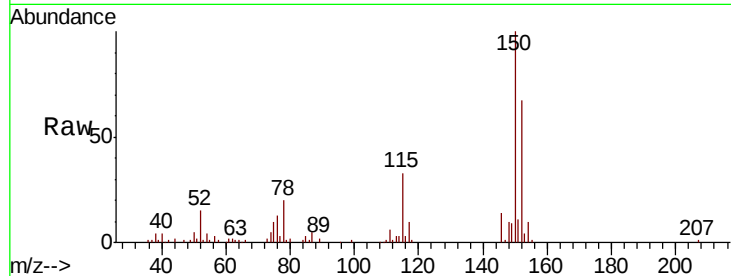
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	11282
Ion Ratio	Lower	Upper	
146	100		
111	35.5	18.8	56.3
148	65.5	32.2	96.6

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#89

n-Butylbenzene

Concen: 0.81 ug/l

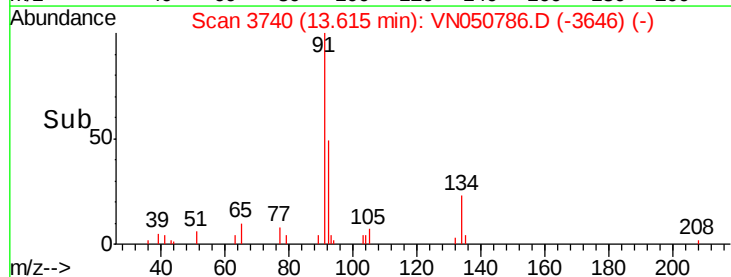
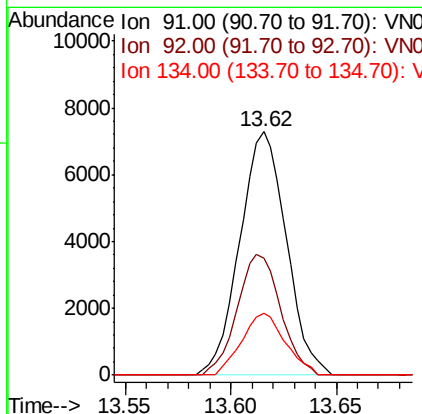
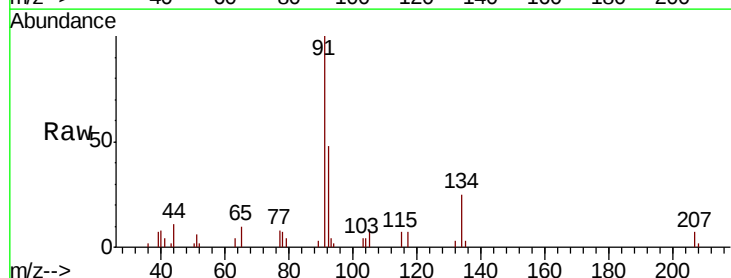
RT: 13.62 min Scan# 3740

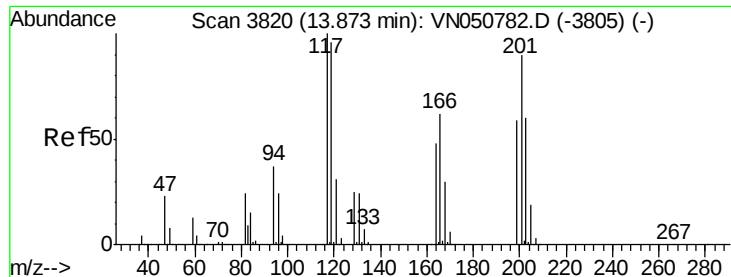
Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Tgt Ion:	91	Resp:	11159
Ion Ratio	Lower	Upper	
91	100		
92	46.4	26.1	78.2
134	23.7	13.2	39.6





#90

Hexachloroethane

Concen: 1.31 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 4696

Ion Ratio Lower Upper

117 100

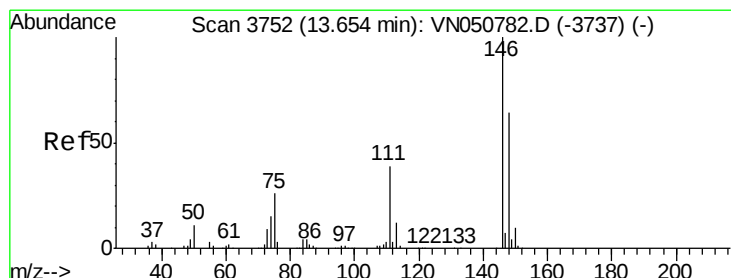
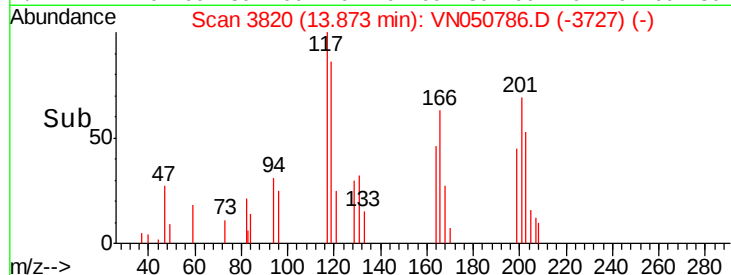
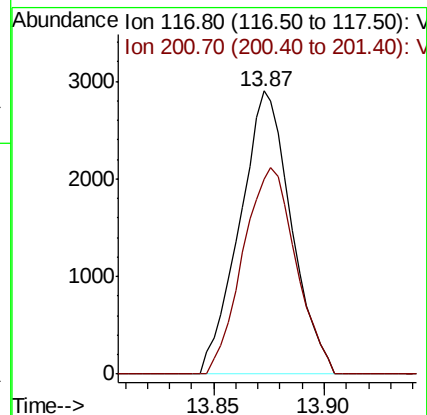
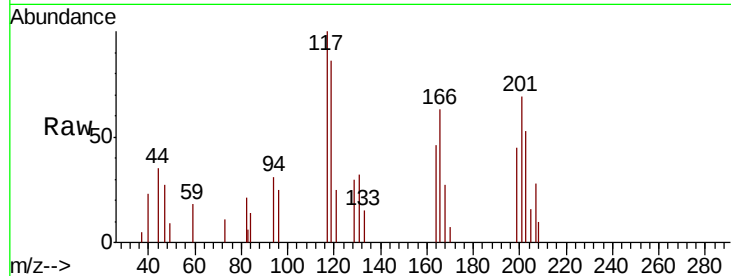
201 75.1 46.0 137.8

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#91

1,2-Dichlorobenzene

Concen: 1.10 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

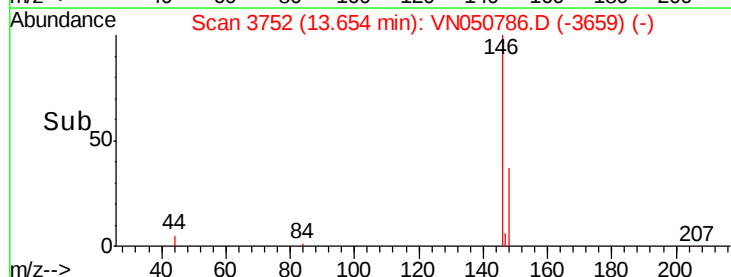
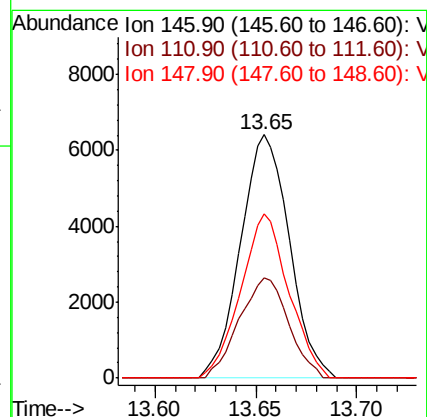
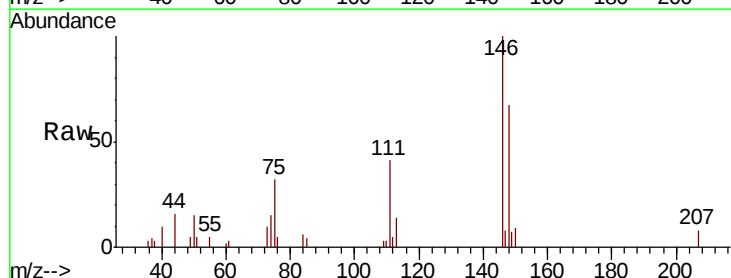
Tgt Ion:146 Resp: 10866

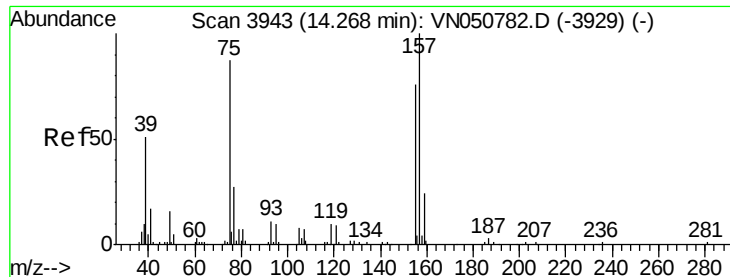
Ion Ratio Lower Upper

146 100

111 41.5 19.8 59.3

148 66.2 32.3 96.8





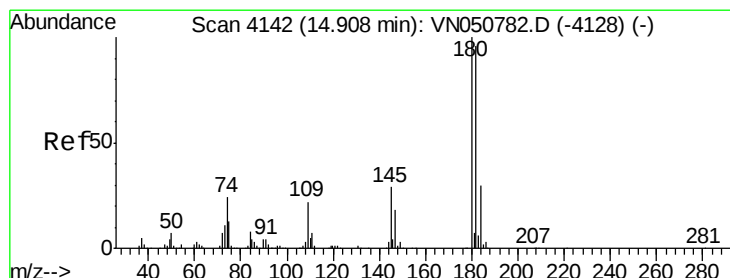
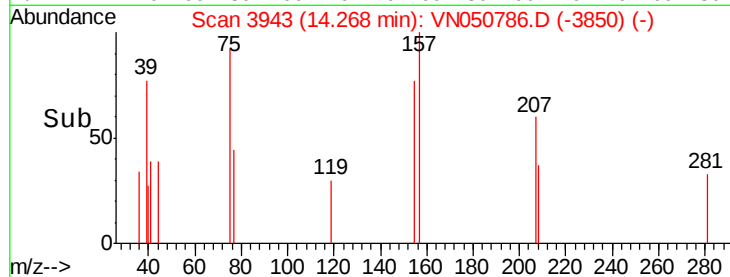
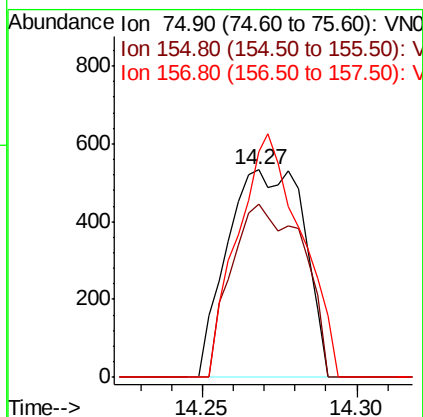
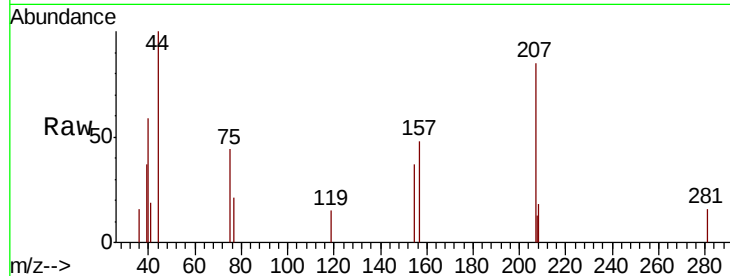
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.15 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	78.2	46.4	139.1
157	97.2	60.7	182.0

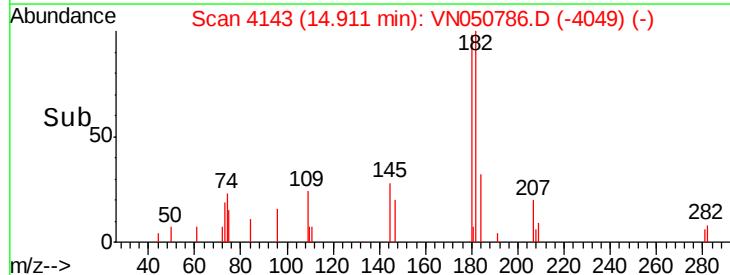
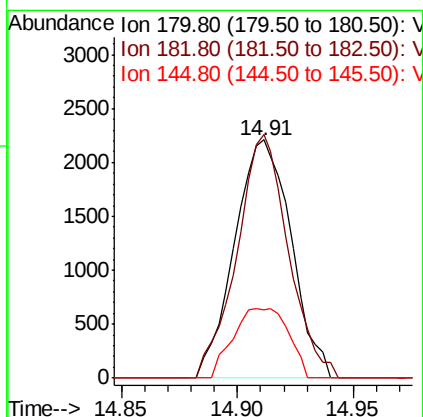
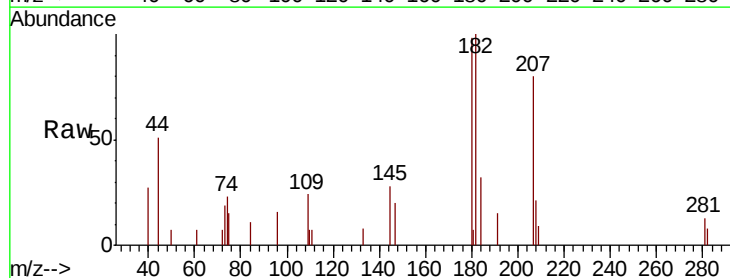
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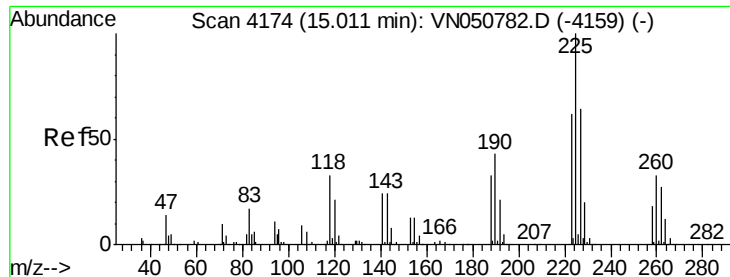
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.2	144.6
145	28.5	14.1	42.2





#94

Hexachlorobutadiene

Concen: 1.29 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050786.D

Acq: 21 Aug 2018 13:43

Instrument :

MSVOA_N

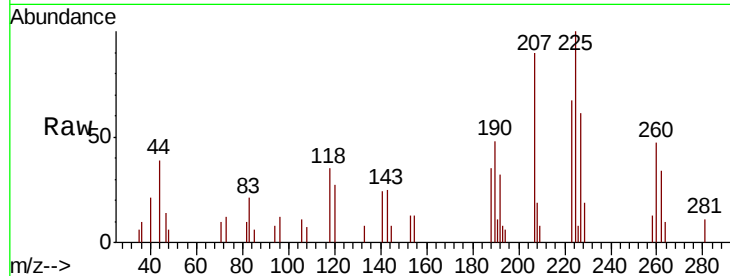
ClientSampleId :

VSTDIC001

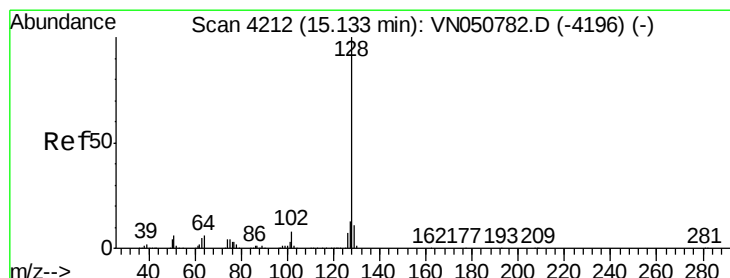
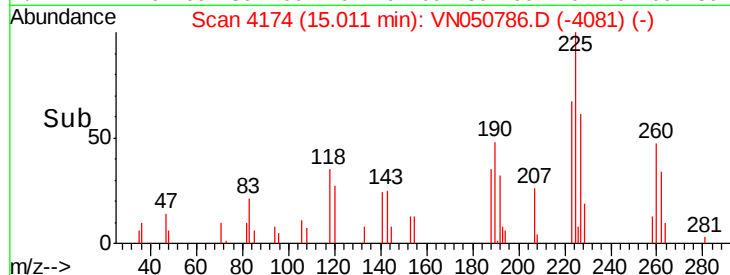
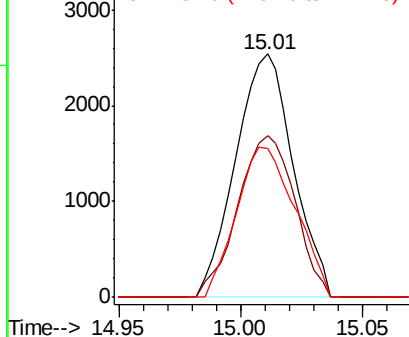
Tot Ion:	225	Resp:	4150
Ion Ratio	Lower	Upper	
225	100		
223	66.0	31.3	93.8
227	63.1	32.0	96.2

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.81 ug/l

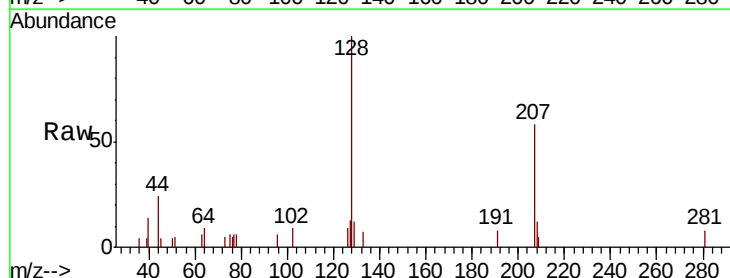
RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

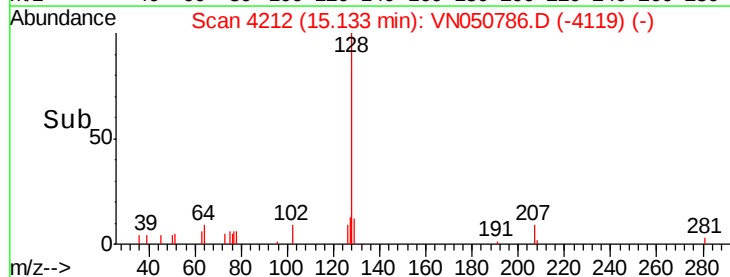
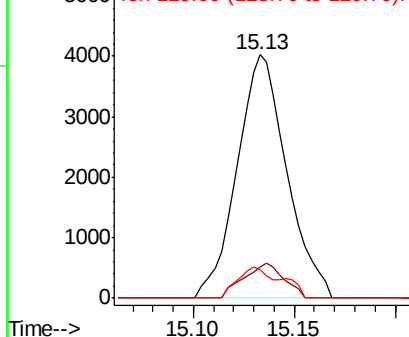
Lab File: VN050786.D

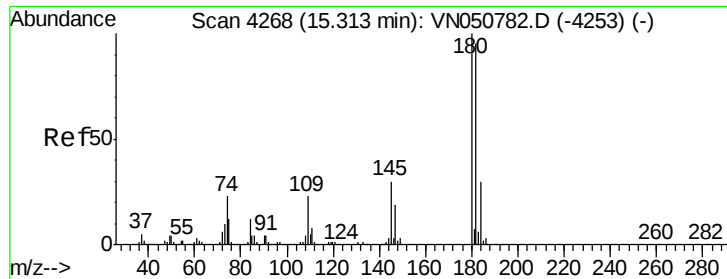
Acq: 21 Aug 2018 13:43

Tgt Ion:	128	Resp:	6902
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.5	15.7
129	11.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





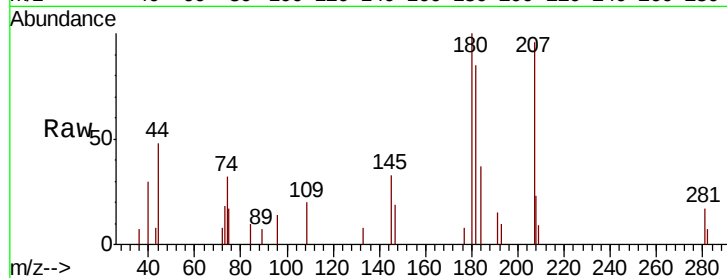
#96
 1,2,3-Trichlorobenzene
 Concen: 0.91 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. 0.00 min
 Lab File: VN050786.D
 Acq: 21 Aug 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.0	144.2
145	34.1	15.2	45.6

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

