

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	509190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	700821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264108	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	6657	1.18	ug/l	98
3) Chloromethane	2.06	50	11131	1.47	ug/l	96
4) Vinyl Chloride	2.18	62	9030	1.23	ug/l	94
5) Bromomethane	2.57	94	7988	1.78	ug/l	99
6) Chloroethane	2.70	64	6407	1.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	12381	1.31	ug/l	98
8) Diethyl Ether	3.41	74	3794	1.10	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7096	1.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	6454	1.17	ug/l	90
14) Allyl chloride	4.33	41	9652	1.10	ug/l	92
15) Acrylonitrile	5.00	53	10030	4.50	ug/l #	76
16) Acetone	3.83	43	11805	5.55	ug/l	100
17) Carbon Disulfide	4.05	76	20394	1.14	ug/l	97
18) Methyl Acetate	4.34	43	12207	2.01	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	14400	0.94	ug/l	93
20) Methylene Chloride	4.56	84	9724	1.28	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	6690	1.12	ug/l	91
22) Diisopropyl ether	5.96	45	16469	0.92	ug/l #	81
23) Vinyl Acetate	5.90	43	53512	4.24	ug/l	99
24) 1,1-Dichloroethane	5.85	63	13679	1.24	ug/l	95
25) 2-Butanone	6.85	43	13764	4.25	ug/l	94
26) 2,2-Dichloropropane	6.83	77	9815	1.11	ug/l #	67
27) cis-1,2-Dichloroethene	6.83	96	7451	1.13	ug/l	97
28) Bromochloromethane	7.20	49	5613	1.10	ug/l #	97
29) Tetrahydrofuran	7.22	42	6847	3.94	ug/l	94
30) Chloroform	7.37	83	14201	1.28	ug/l	99
31) Cyclohexane	7.66	56	18007	1.63	ug/l #	33
32) 1,1,1-Trichloroethane	7.57	97	11035	1.16	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	9256	1.01	ug/l #	90
37) Ethyl Acetate	6.95	43	4555	0.72	ug/l #	71
38) Carbon Tetrachloride	7.78	117	10647	1.11	ug/l	94
39) Methylcyclohexane	9.08	83	8361	0.83	ug/l	93
40) Benzene	8.04	78	28133	1.00	ug/l	94
41) Methacrylonitrile	7.19	41	2315m	0.67	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	8910	1.00	ug/l	96
43) Isopropyl Acetate	8.17	43	8645	0.78	ug/l	96
44) Trichloroethene	8.84	130	8290	1.09	ug/l	98
45) 1,2-Dichloropropane	9.12	63	7909	1.06	ug/l	99
46) Dibromomethane	9.21	93	4982	1.10	ug/l	92
47) Bromodichloromethane	9.40	83	10131	1.07	ug/l	91
48) Methyl methacrylate	9.20	41	4900	0.88	ug/l	89
49) 1,4-Dioxane	9.21	88	1275	15.15	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	28648	3.62	ug/l	94
52) Toluene	10.16	92	14533	0.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	8185	0.87	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	8856	0.84	ug/l	97
55) 1,1,2-Trichloroethane	10.57	97	6478	0.99	ug/l	95
56) Ethyl methacrylate	10.43	69	5025	0.62	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	9816	0.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	11413	2.99	ug/l	97
59) 2-Hexanone	10.75	43	17482	3.18	ug/l	86
60) Dibromochloromethane	10.90	129	6424	0.89	ug/l	95
61) 1,2-Dibromoethane	11.01	107	5617	0.87	ug/l	99
64) Tetrachloroethene	10.63	164	7028	1.07	ug/l	98
65) Chlorobenzene	11.44	112	17775	1.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	6904	1.08	ug/l #	64
67) Ethyl Benzene	11.51	91	24023	0.85	ug/l	98
68) m/p-Xylenes	11.62	106	17865	1.65	ug/l	97
69) o-Xylene	11.95	106	8274	0.79	ug/l	95
70) Styrene	11.97	104	12039	0.71	ug/l	95
71) Bromoform	12.13	173	4144	0.90	ug/l #	98
73) Isopropylbenzene	12.25	105	20276	1.02	ug/l	95
74) N-amyl acetate	12.07	43	5507	0.88	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	8102	1.44	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	5896m	1.24	ug/l	
77) Bromobenzene	12.53	156	6279	1.18	ug/l	93
78) n-propylbenzene	12.59	91	21167	0.94	ug/l	97
79) 2-Chlorotoluene	12.68	91	14521	1.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	14373	0.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	1245	0.94	ug/l #	85
82) 4-Chlorotoluene	12.77	91	12676	0.91	ug/l	98
83) tert-Butylbenzene	12.99	119	13842	0.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13490	0.82	ug/l	98
85) sec-Butylbenzene	13.17	105	16260	0.87	ug/l	98
86) p-Isopropyltoluene	13.29	119	12399	0.77	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	9749	1.03	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	10266m	1.09	ug/l	
89) n-Butylbenzene	13.62	91	10778	0.79	ug/l	90
90) Hexachloroethane	13.88	117	3920	1.36	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	10160	1.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	822	0.87	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	2789	0.59	ug/l	95
94) Hexachlorobutadiene	15.01	225	3487	1.01	ug/l	94
95) Naphthalene	15.13	128	4852	0.45	ug/l	98

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VSTDICC001

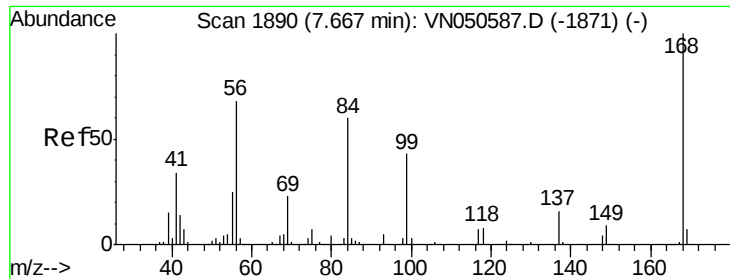
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3053	0.64	ug/l	97

(#) = 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: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 509190

Ion Ratio Lower Upper

168 100

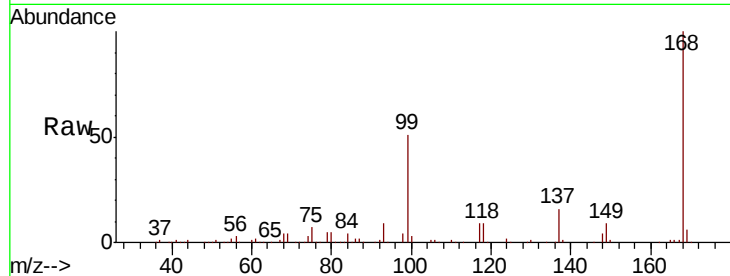
99 50.5 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

150000

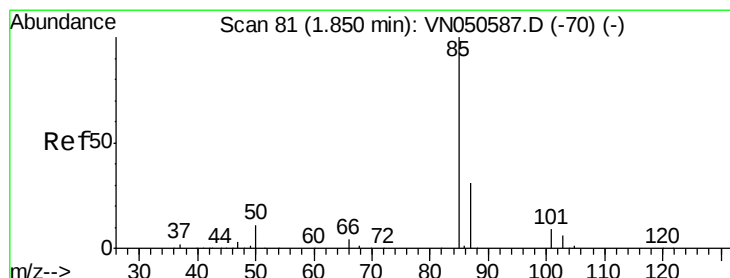
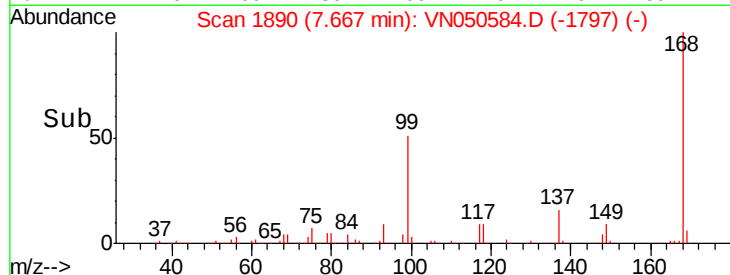
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.18 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050584.D

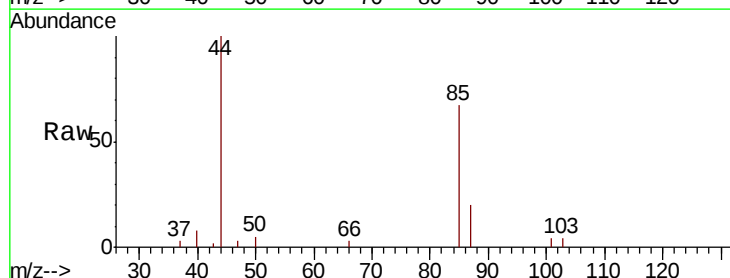
Acq: 13 Aug 2018 23:46

Tgt Ion: 85 Resp: 6657

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN050587.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050587.D (-70) (-)

1.85

5000

4000

3000

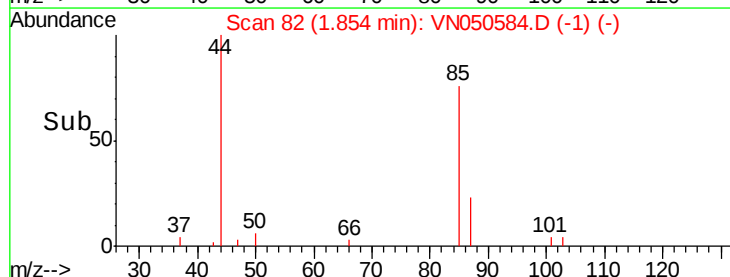
2000

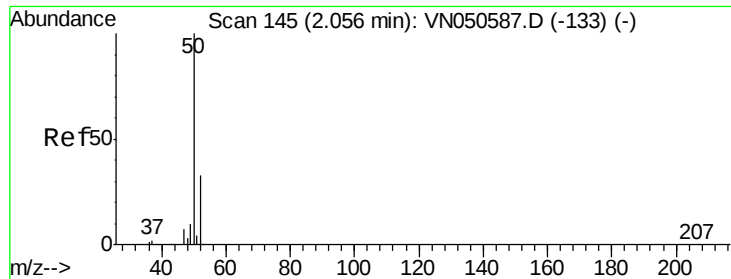
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.47 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 11131

Ion Ratio Lower Upper

50 100

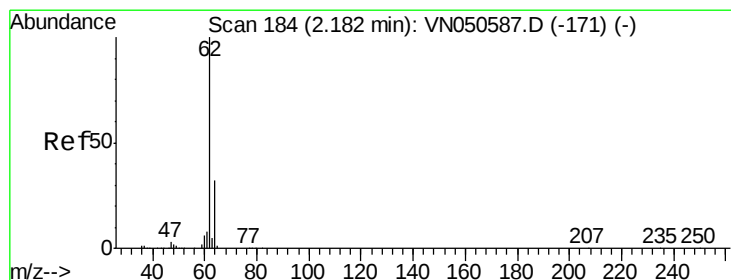
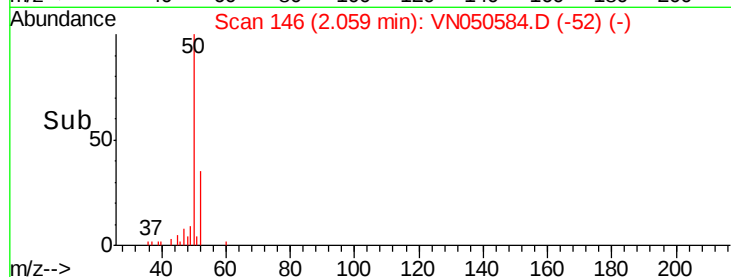
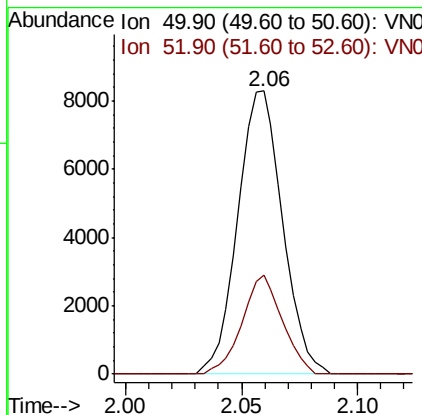
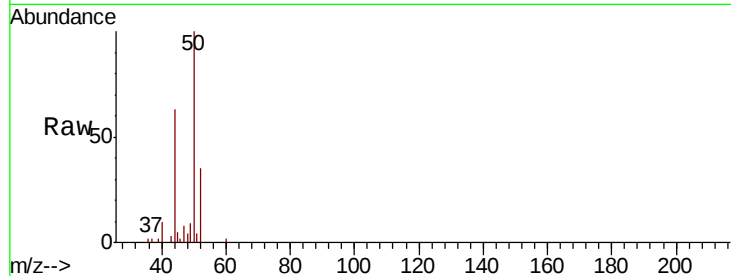
52 34.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.23 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050584.D

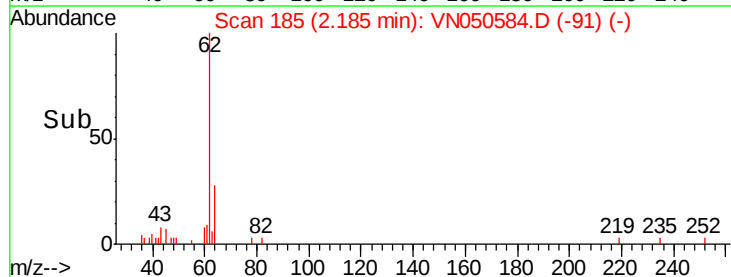
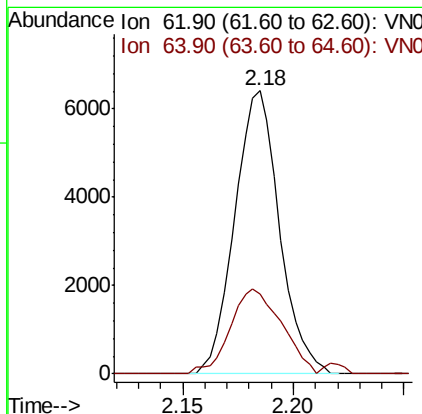
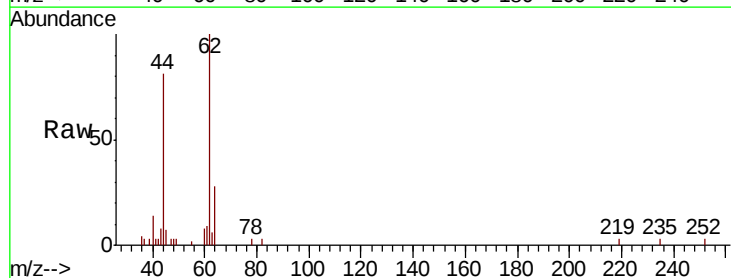
Acq: 13 Aug 2018 23:46

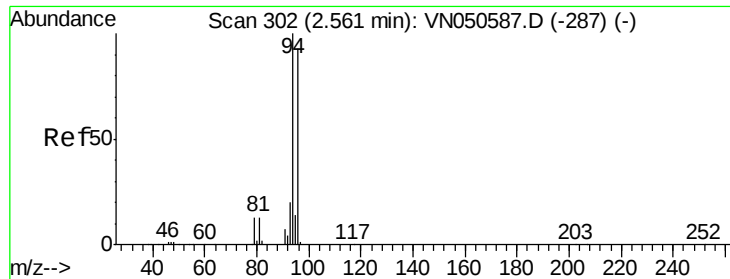
Tgt Ion: 62 Resp: 9030

Ion Ratio Lower Upper

62 100

64 28.0 25.2 37.8





#5

Bromomethane

Concen: 1.78 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 7988

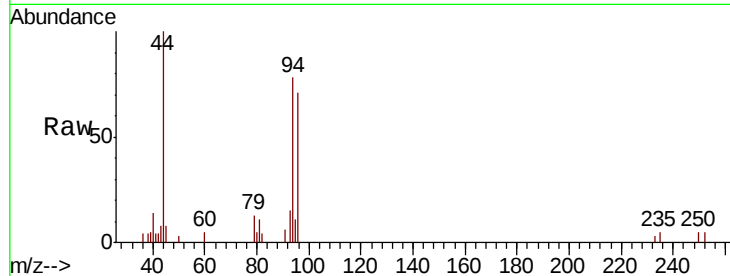
Ion Ratio Lower Upper

94 100

96 91.1 74.0 111.0

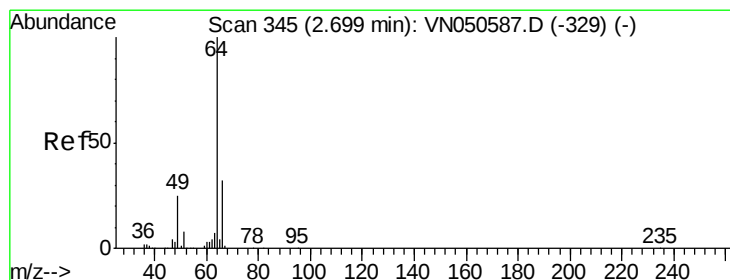
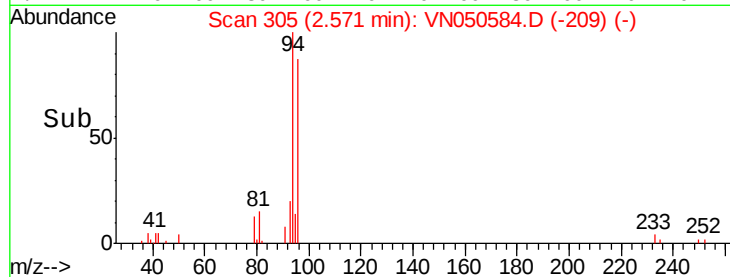
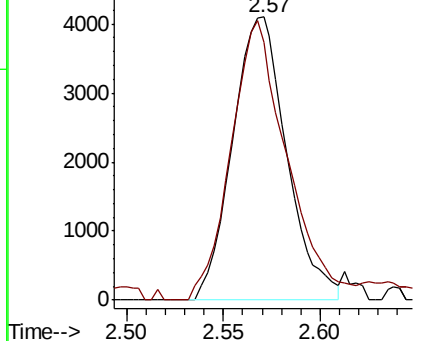
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Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)



#6

Chloroethane

Concen: 1.42 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050584.D

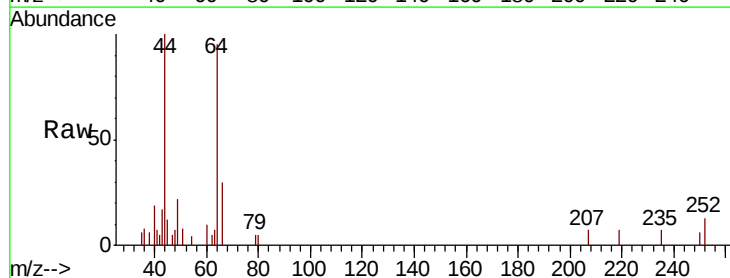
Acq: 13 Aug 2018 23:46

Tgt Ion: 64 Resp: 6407

Ion Ratio Lower Upper

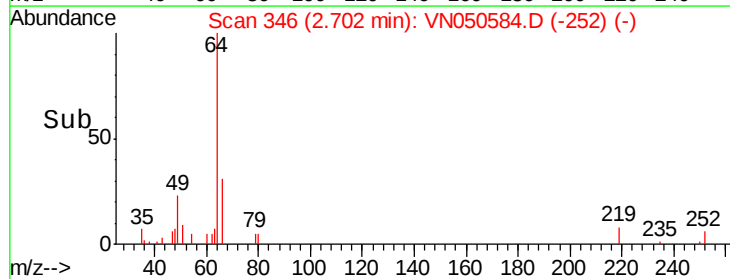
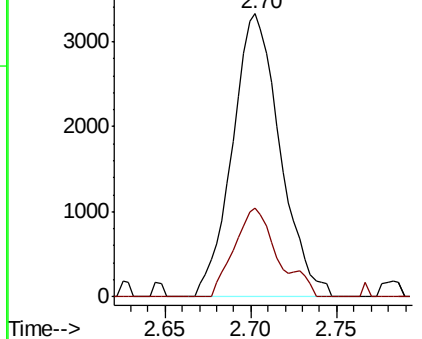
64 100

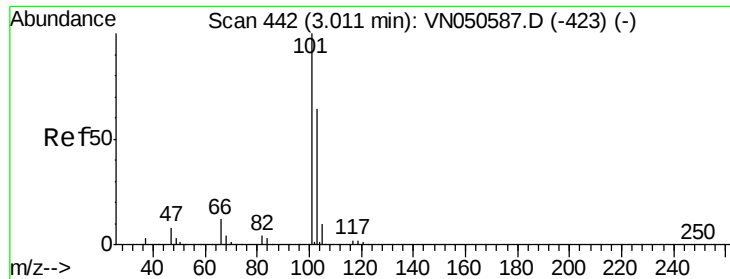
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050587.D (-329) (-)





#7

Trichlorofluoromethane

Concen: 1.31 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 12381

Ion Ratio Lower Upper

101 100

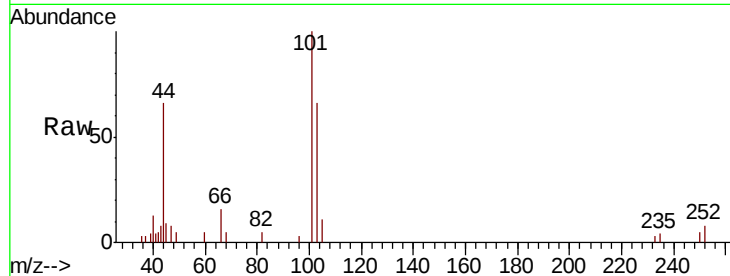
103 65.8 51.4 77.0

Manual Integrations

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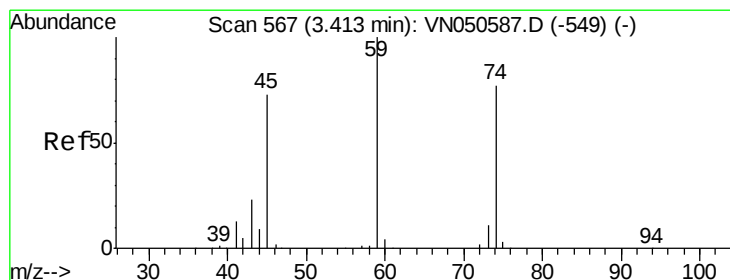
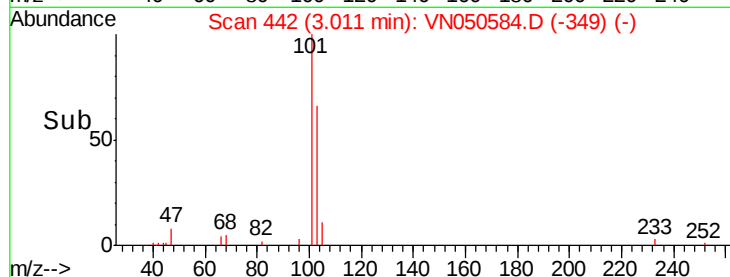
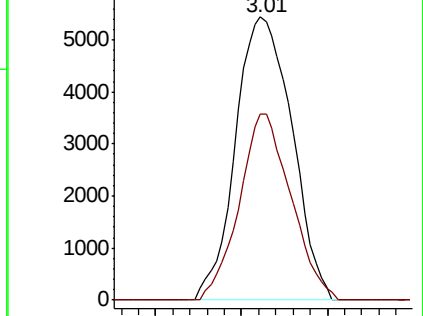
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.10 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050584.D

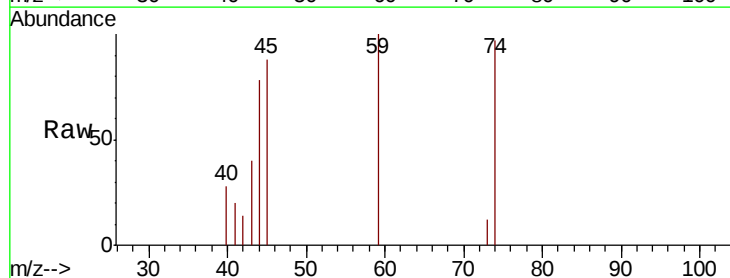
Acq: 13 Aug 2018 23:46

Tgt Ion: 74 Resp: 3794

Ion Ratio Lower Upper

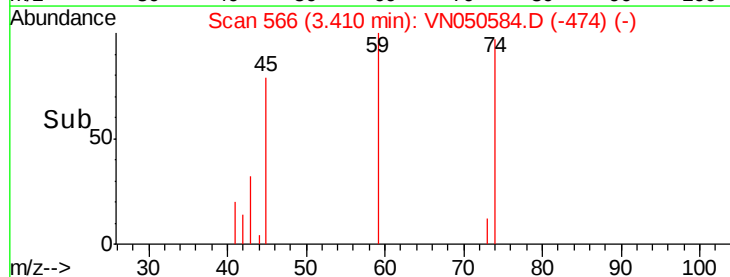
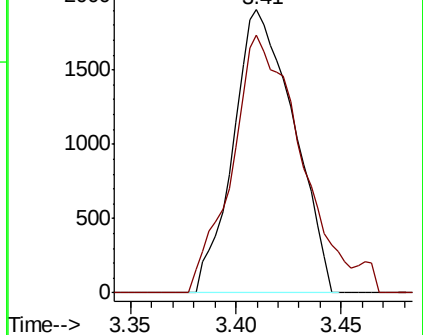
74 100

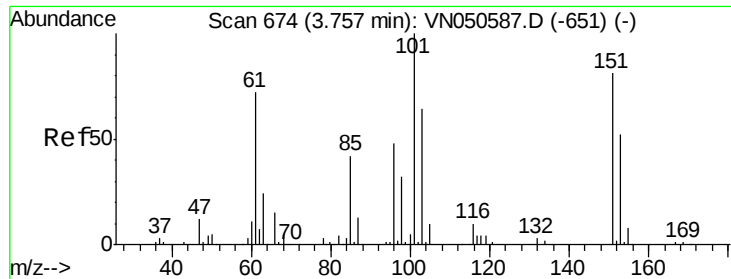
45 102.6 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





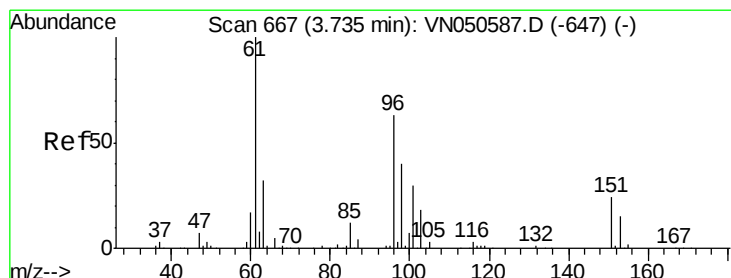
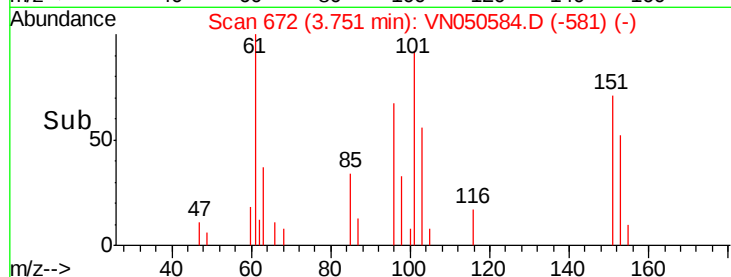
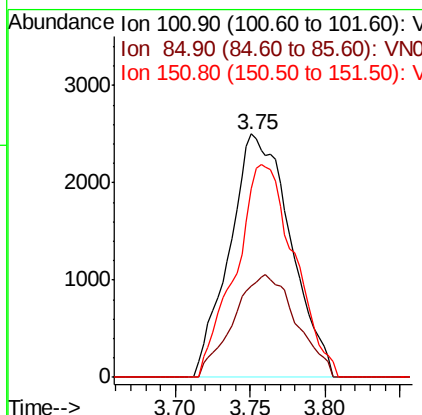
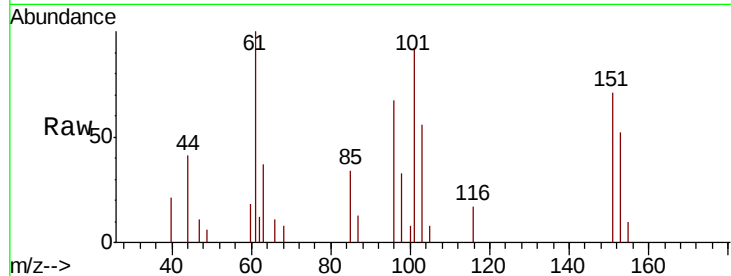
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.21 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	33.4	50.0
151	84.3	66.6	100.0

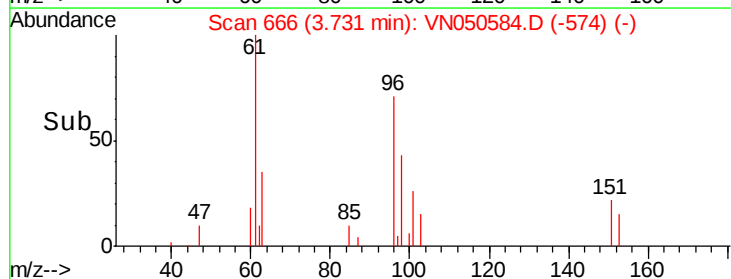
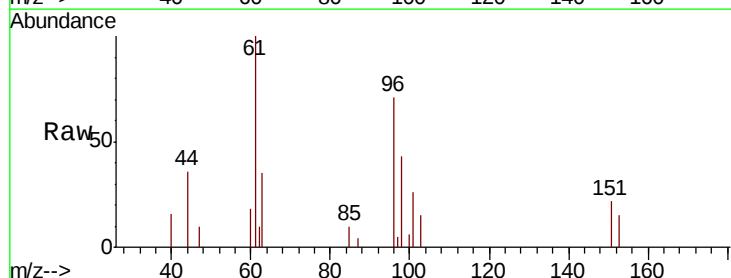
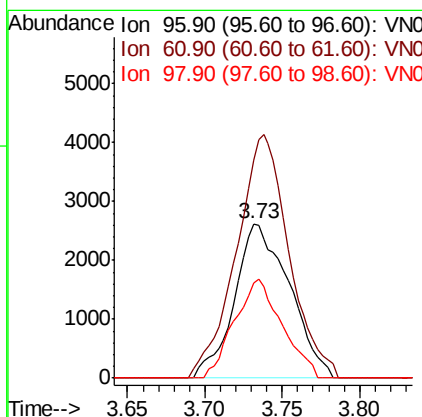
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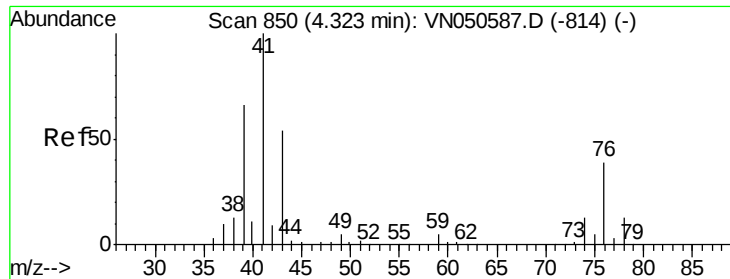
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#12
 1,1-Dichloroethene
 Concen: 1.17 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	126.9	190.3
98	61.3	51.1	76.7





#14

Allvl chloride

Concen: 1.10 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

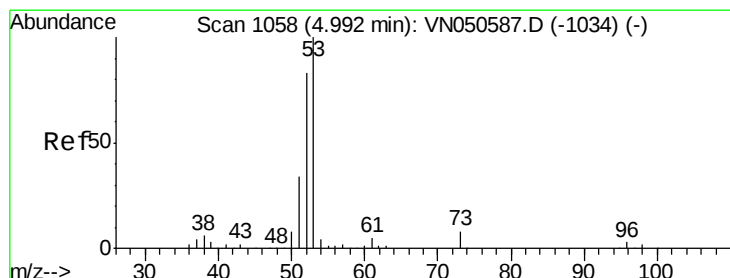
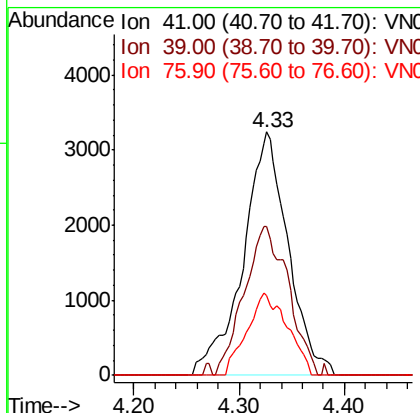
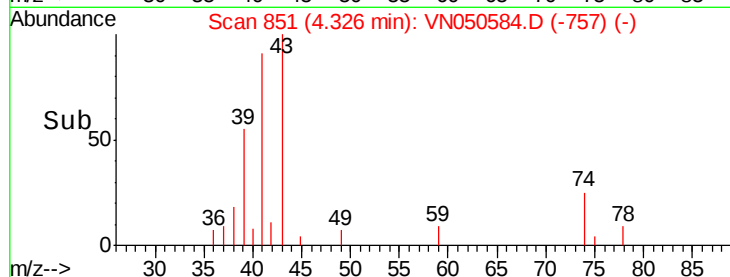
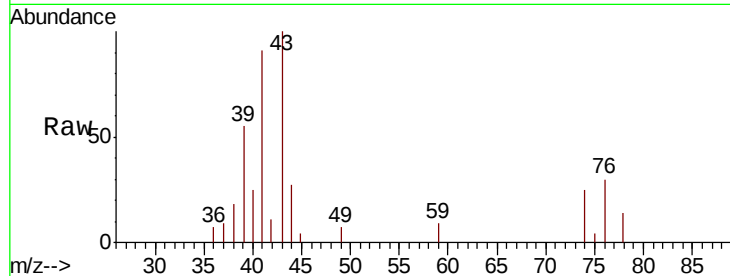
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	9652
Ion	Ratio	Lower	Upper
41	100		
39	59.7	51.4	77.0
76	30.1	29.4	44.0

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#15

Acrylonitrile

Concen: 4.50 ug/l

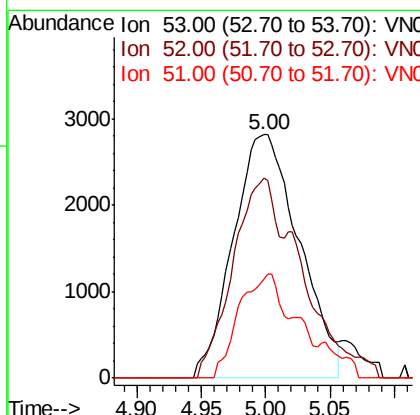
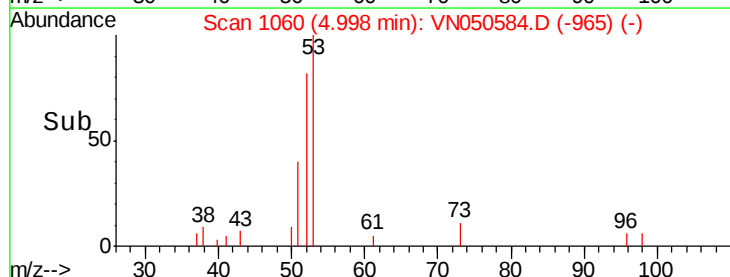
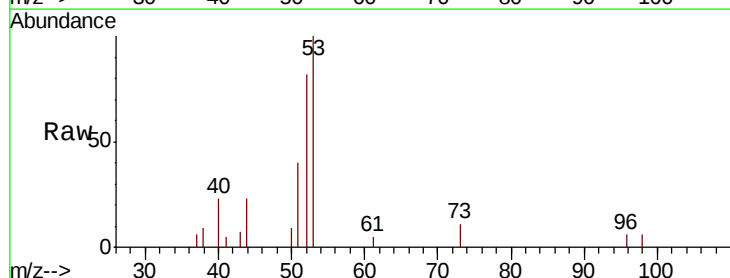
RT: 5.00 min Scan# 1060

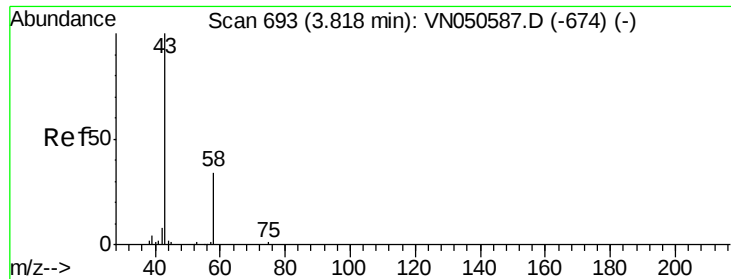
Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	53	Resp:	10030
Ion	Ratio	Lower	Upper
53	100		
52	57.4	66.2	99.2#
51	27.8	28.6	43.0#





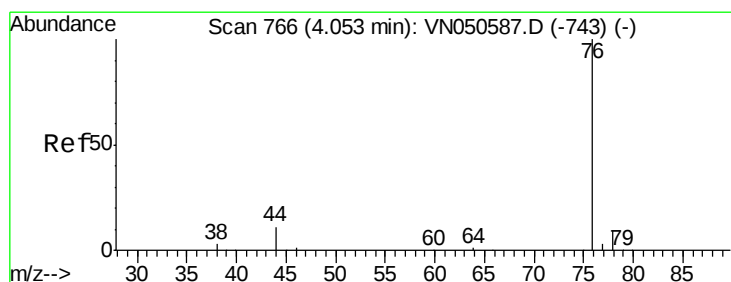
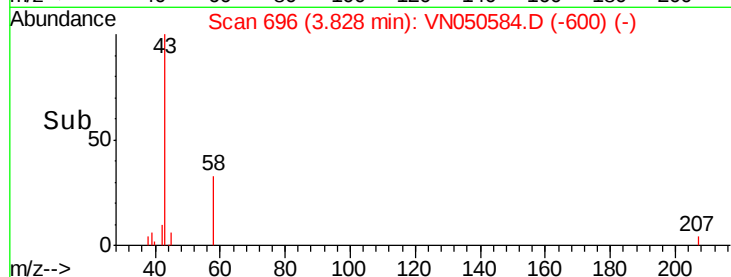
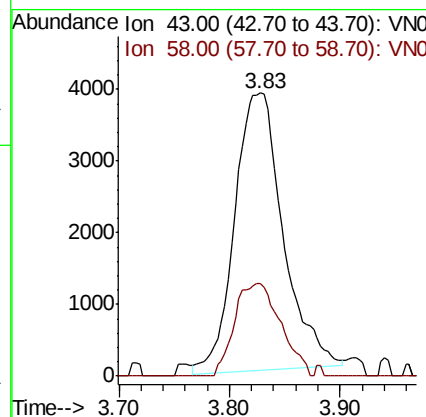
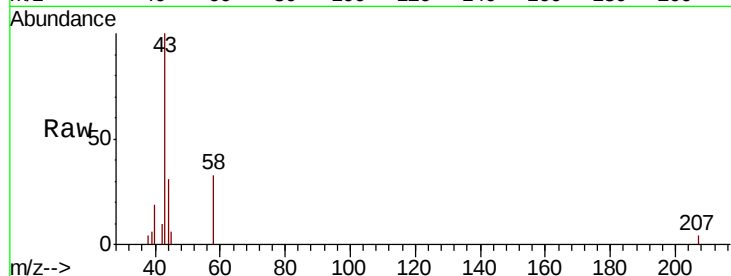
#16
Acetone
Concen: 5.55 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 11805
Ion Ratio Lower Upper
43 100
58 34.1 27.1 40.7

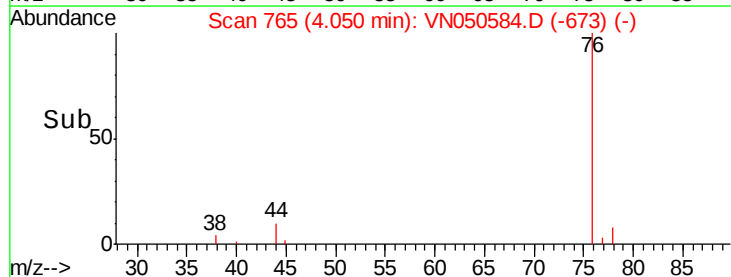
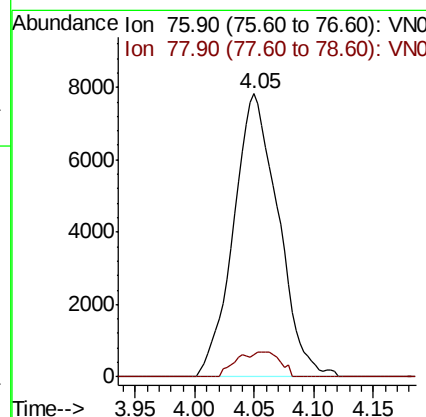
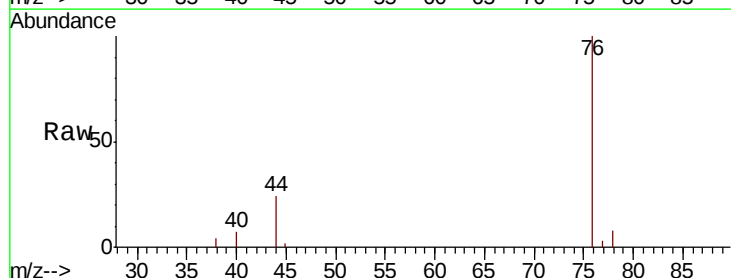
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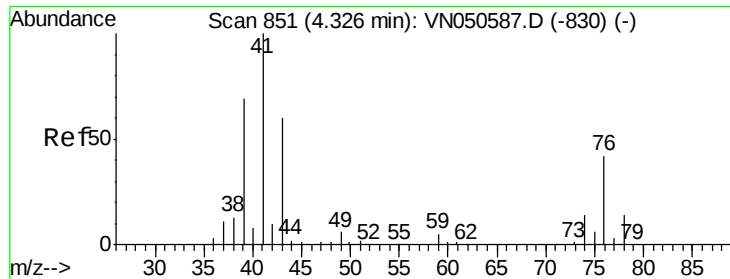
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#17
Carbon Disulfide
Concen: 1.14 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 76 Resp: 20394
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9





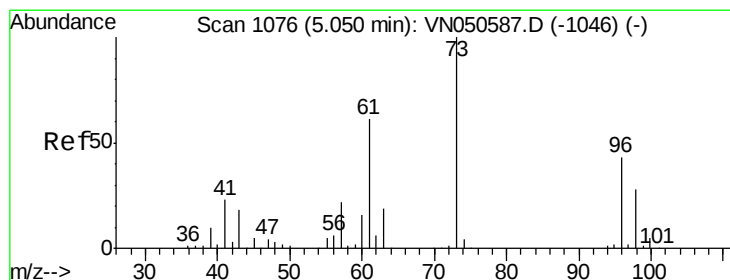
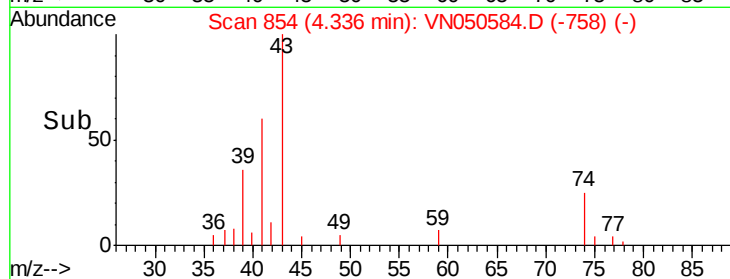
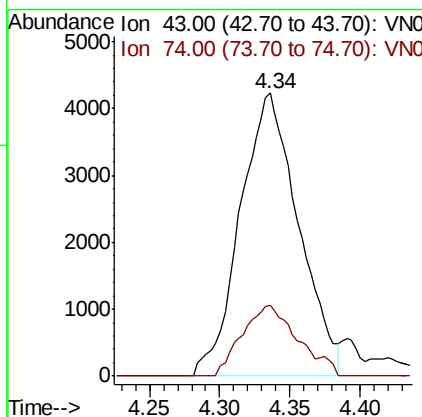
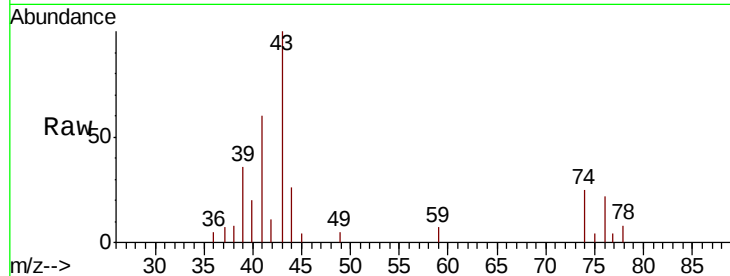
#18
Methyl Acetate
Concen: 2.01 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 12207
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5

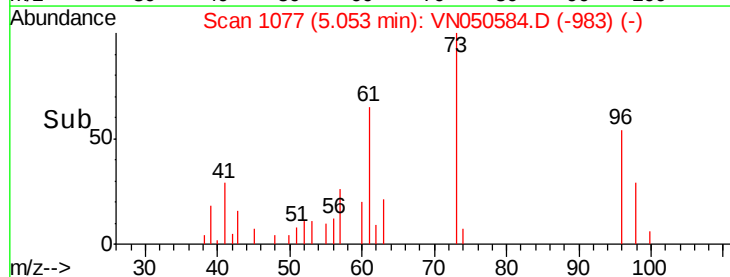
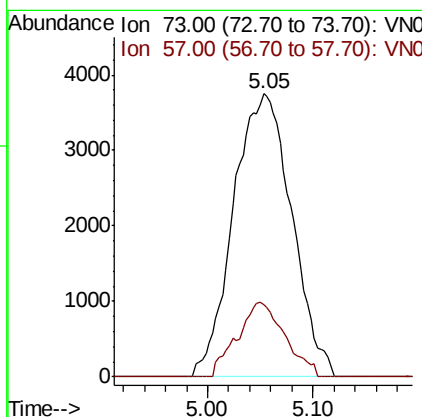
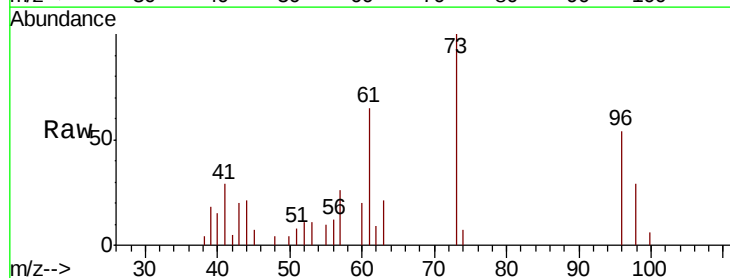
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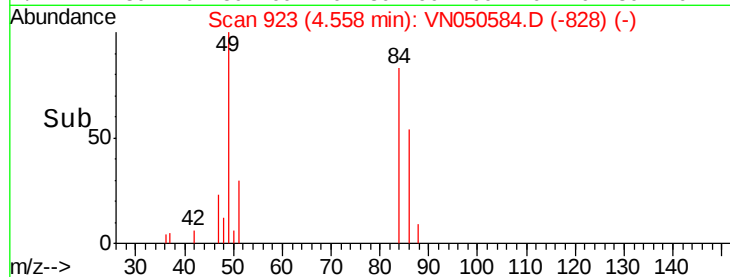
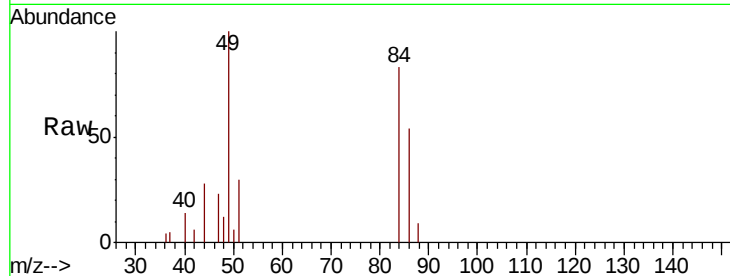
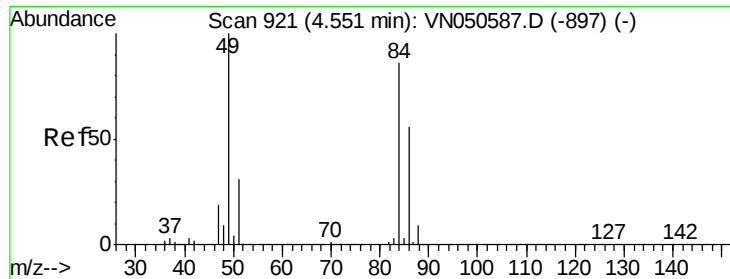
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#19
Methyl tert-butyl Ether
Concen: 0.94 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

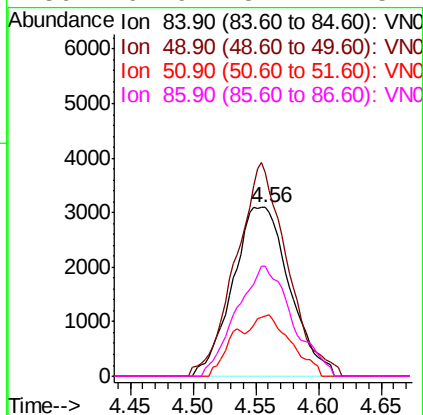
Tgt Ion: 73 Resp: 14400
Ion Ratio Lower Upper
73 100
57 25.7 17.9 26.9





#20
Methvlene Chloride
Concen: 1.28 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

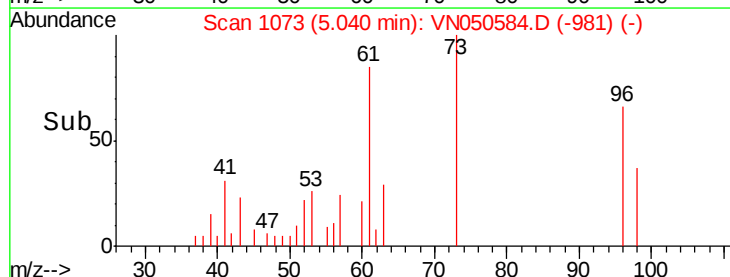
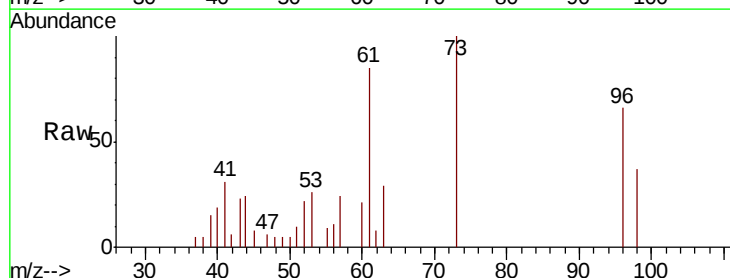
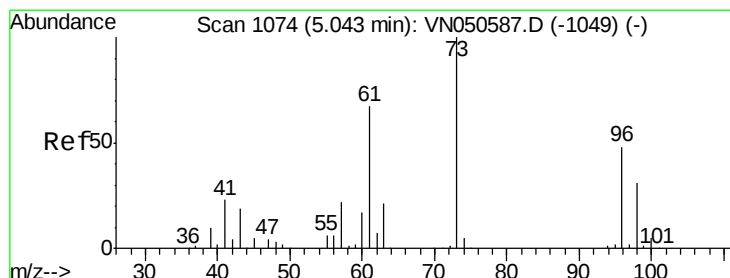
Tot Ion:	84	Resp:	9724
Ion	Ratio	Lower	Upper
84	100		
49	120.6	92.6	138.8
51	35.7	28.6	43.0
86	64.9	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

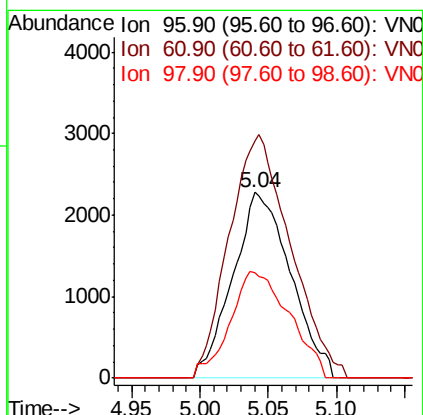
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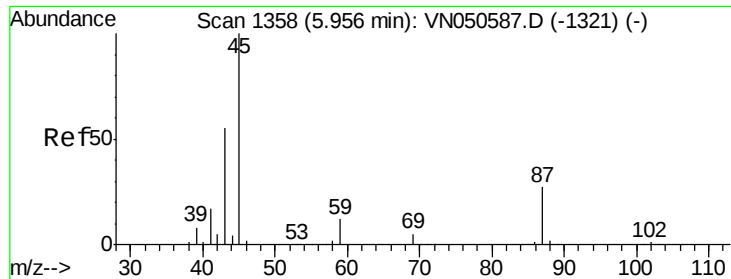
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#21
trans-1,2-Dichloroethene
Concen: 1.12 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion:	96	Resp:	6690
Ion	Ratio	Lower	Upper
96	100		
61	127.8	111.2	166.8
98	56.6	51.6	77.4





#22

Diisopropyl ether

Concen: 0.92 ug/l

RT: 5.96 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

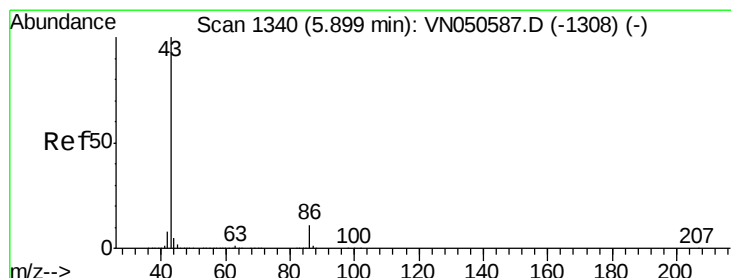
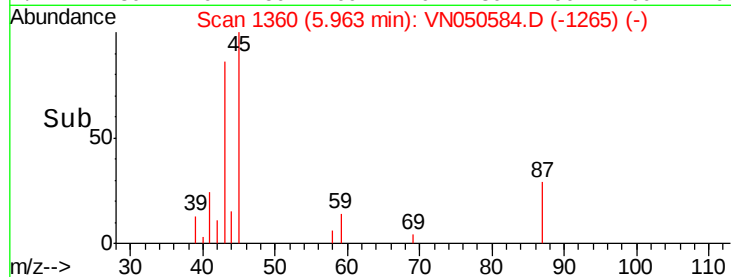
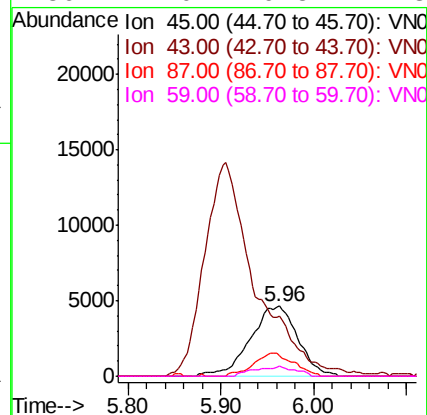
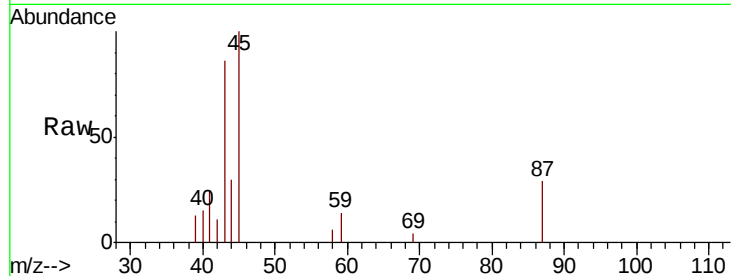
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	16469
Ion	Ratio	Lower	Upper
45	100		
43	76.7	44.5	66.7#
87	29.4	22.2	33.2
59	14.0	9.5	14.3

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#23

Vinyl Acetate

Concen: 4.24 ug/l

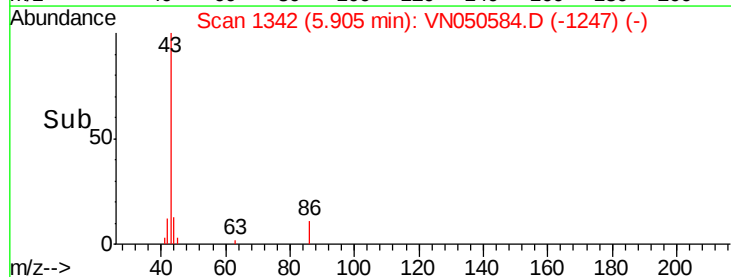
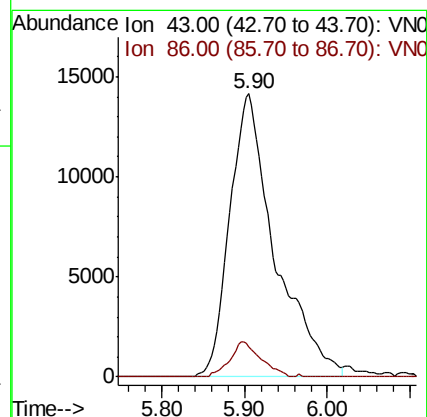
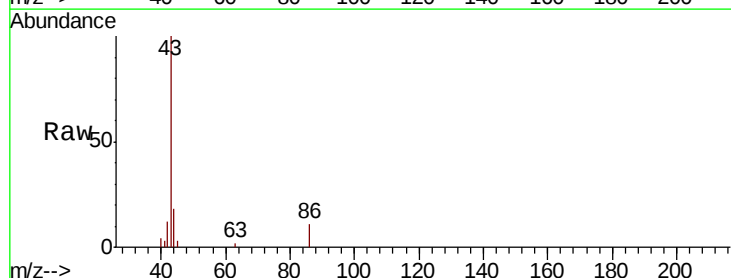
RT: 5.90 min Scan# 1342

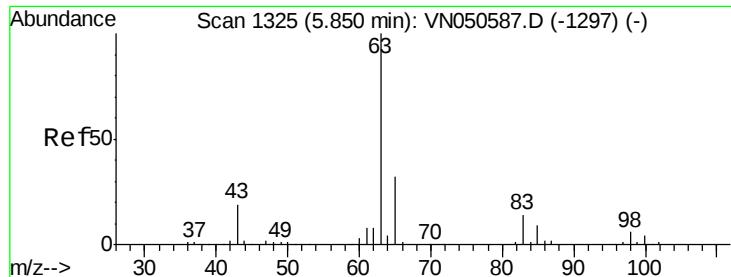
Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	43	Resp:	53512
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6





#24

1,1-Dichloroethane

Concen: 1.24 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

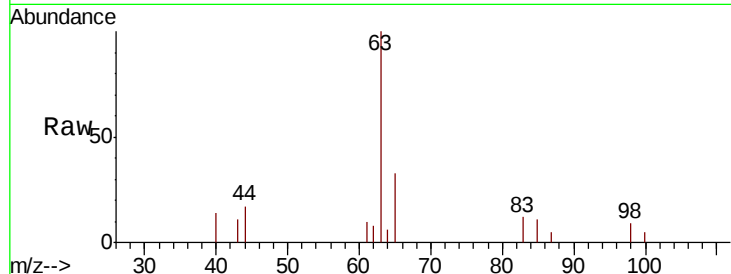
ClientSampleId :

VSTDIC001

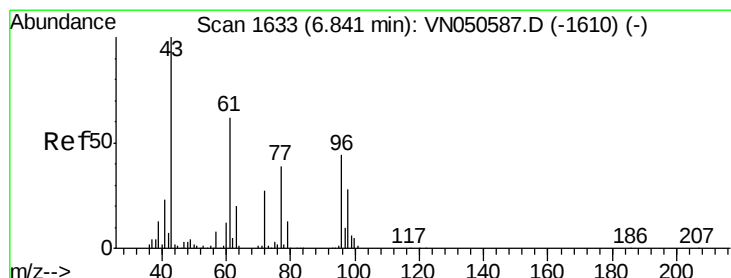
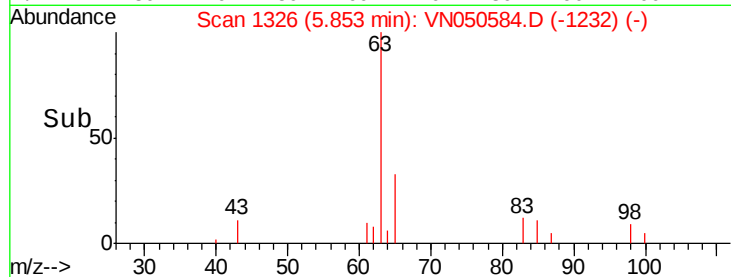
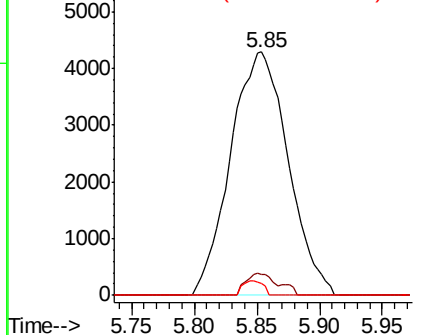
Tot Ion:	63	Resp:	13679
Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.2	9.6
100	4.7	2.1	6.5

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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: 4.25 ug/l

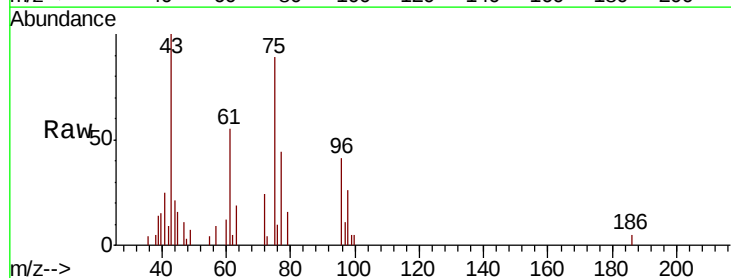
RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

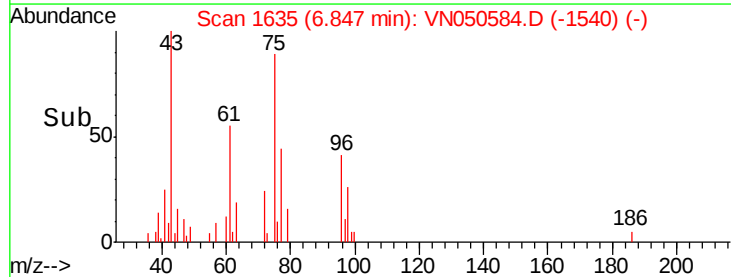
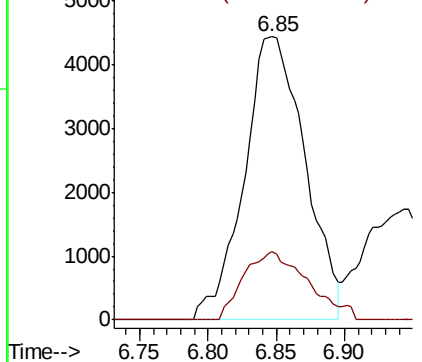
Lab File: VN050584.D

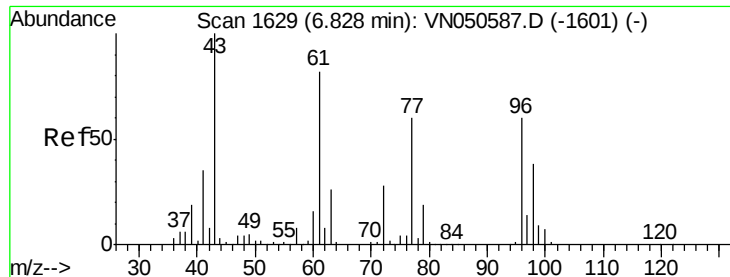
Acq: 13 Aug 2018 23:46

Tgt Ion:	43	Resp:	13764
Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.8	32.6



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





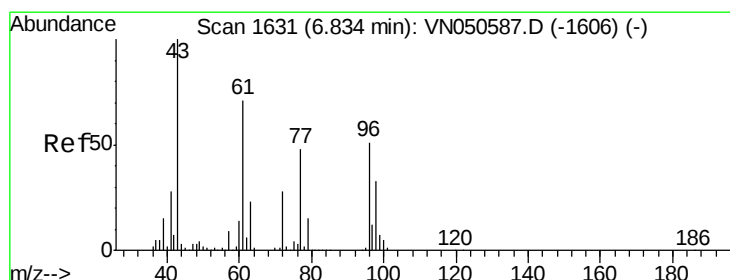
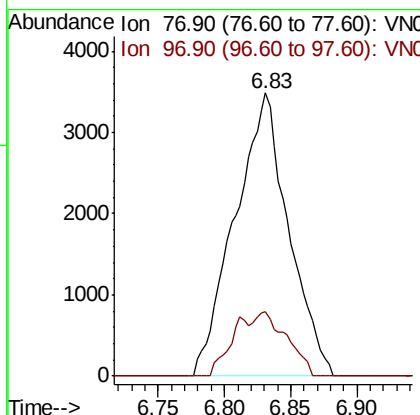
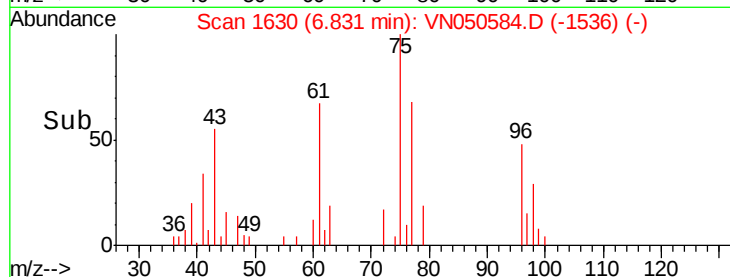
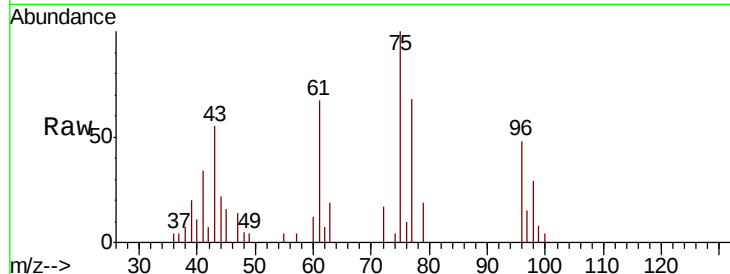
#26
 2,2-Dichloropropane
 Concen: 1.11 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 9815
 Ion Ratio Lower Upper
 77 100
 97 7.8 12.2 36.4#

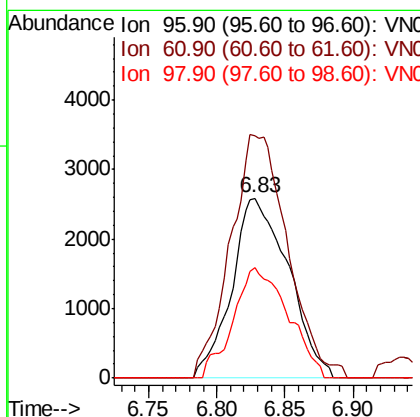
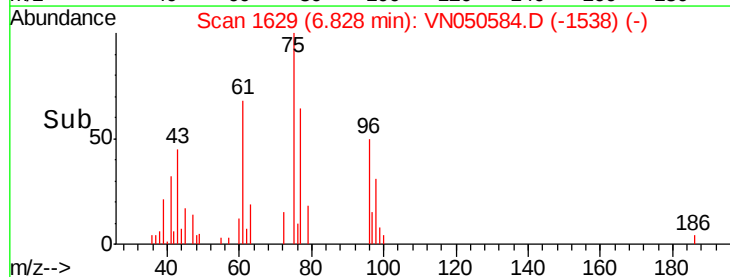
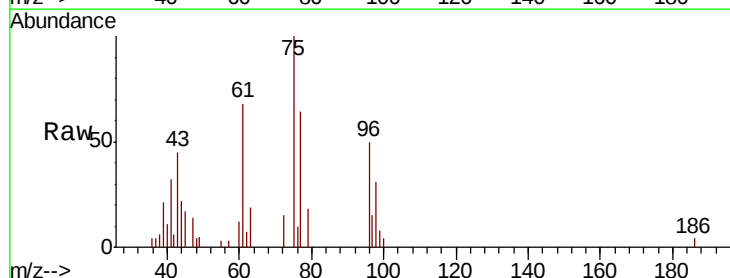
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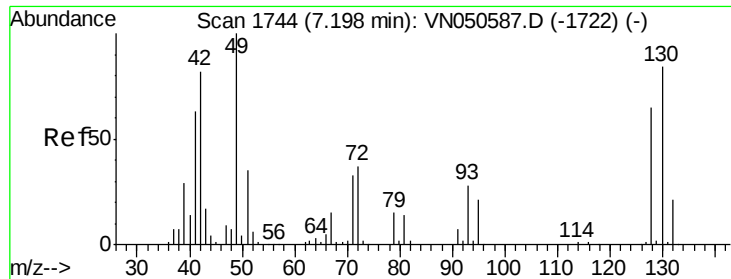
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 1.13 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 96 Resp: 7451
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 278.2
 98 59.6 0.0 128.8





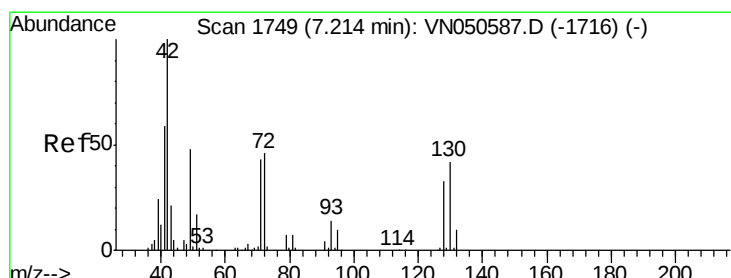
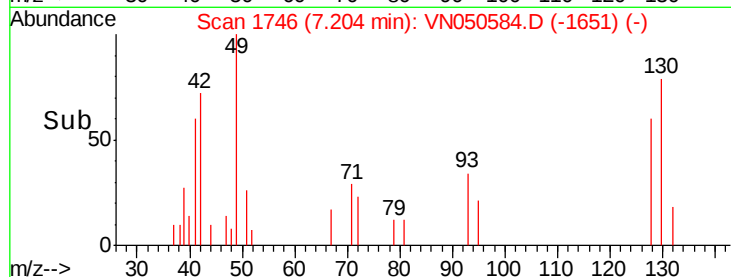
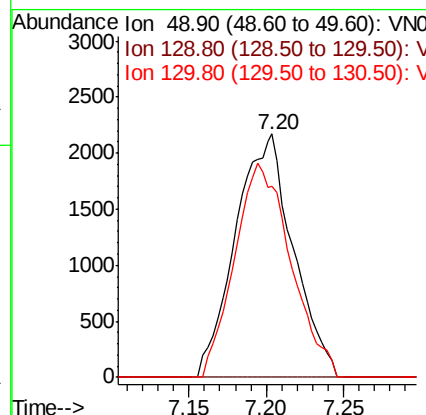
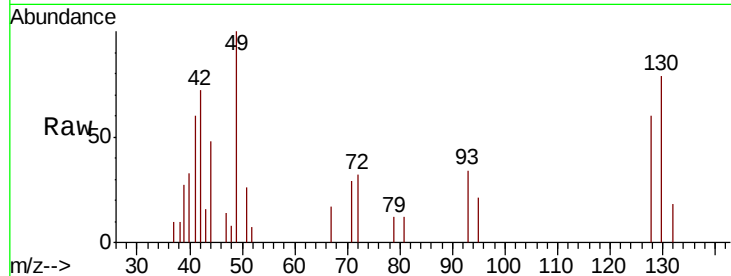
#28
Bromochloromethane
Concen: 1.10 ug/l
RT: 7.20 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 49 Resp: 5613
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 86.0 66.8 100.2

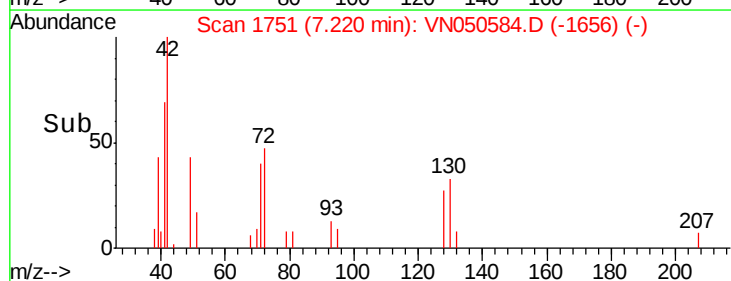
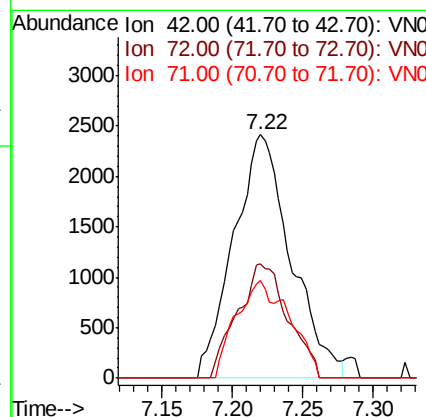
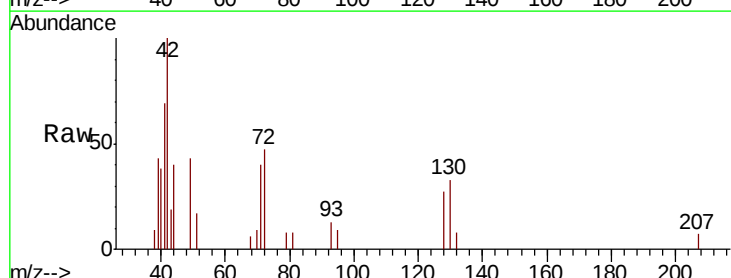
Manual Integrations
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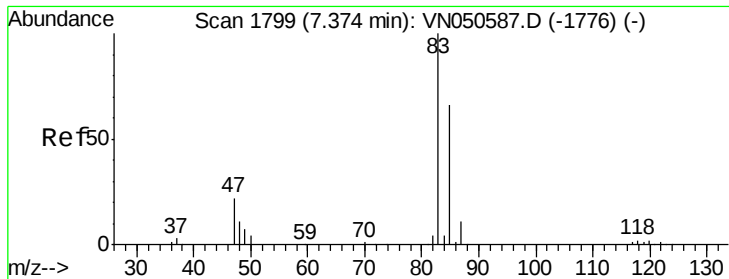
MMDadoda
8/15/2018 3:20:52 PM



#29
Tetrahydrofuran
Concen: 3.94 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 42 Resp: 6847
Ion Ratio Lower Upper
42 100
72 41.4 35.8 53.6
71 37.3 33.4 50.0





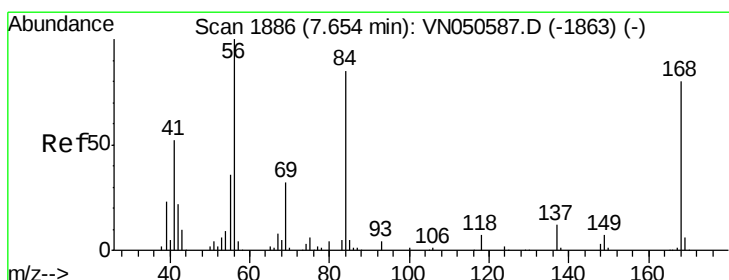
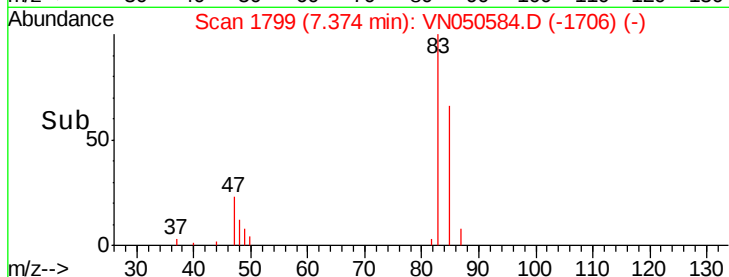
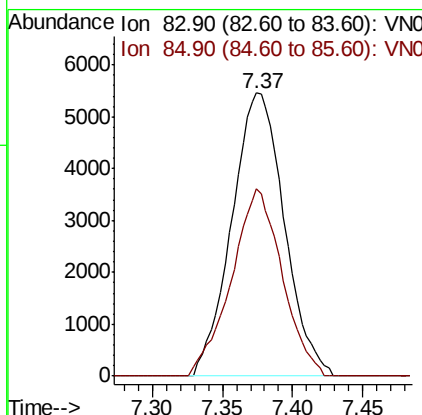
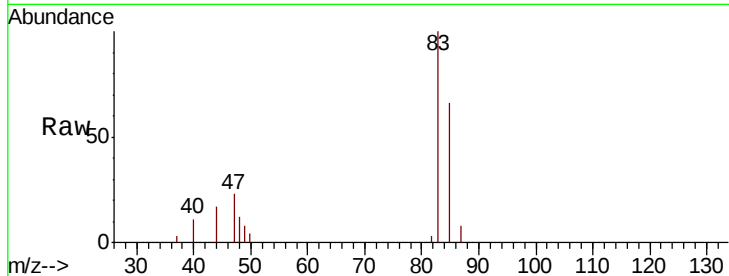
#30
Chloroform
Concen: 1.28 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	14201
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	52.5	78.7

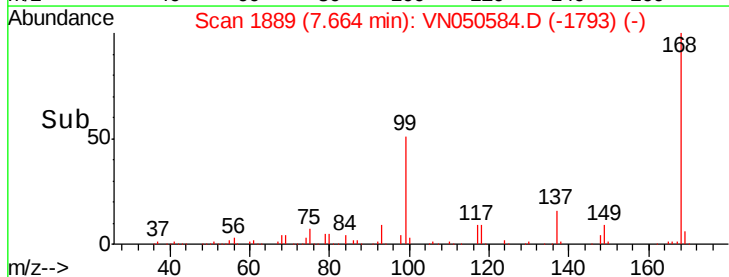
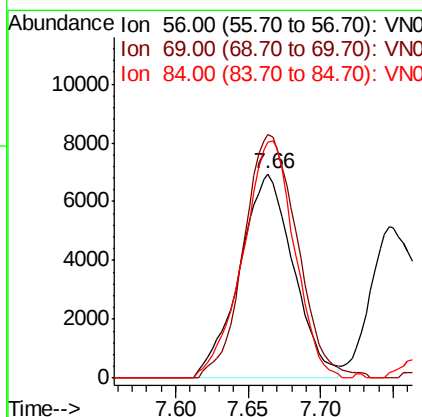
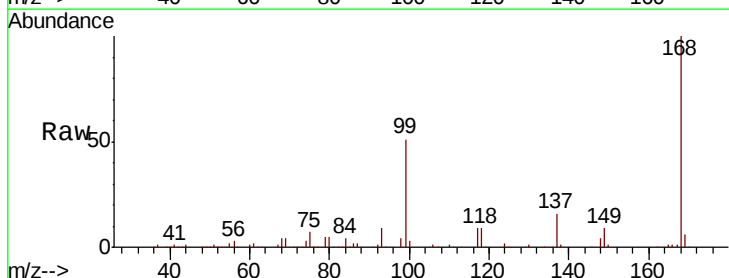
Manual Integrations
APPROVED

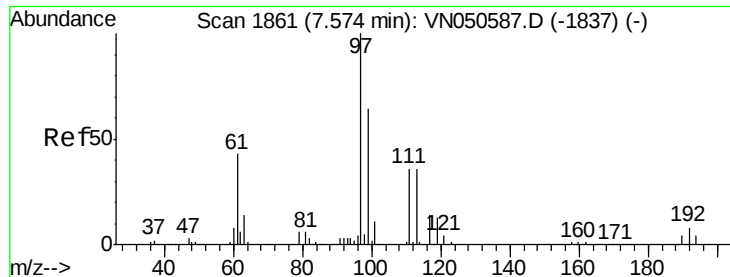
MMDadoda
8/15/2018 3:20:52 PM



#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	56	Resp	18007
Ion Ratio	100	Lower	Upper
56	100		
69	119.0	25.8	38.6#
84	115.3	67.8	101.6#





#32

1,1,1-Trichloroethane

Concen: 1.16 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

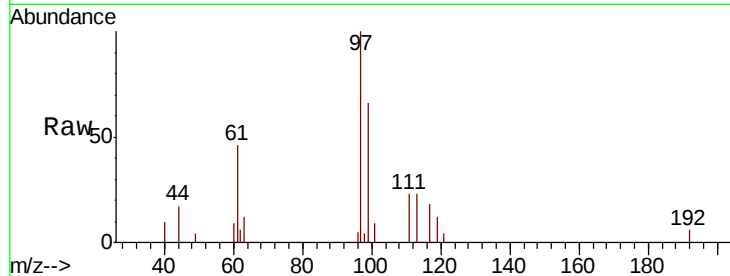
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	11035
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.1	76.7#
61	47.6	34.8	52.2

Manual Integrations
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8/15/2018 3:20:52 PM

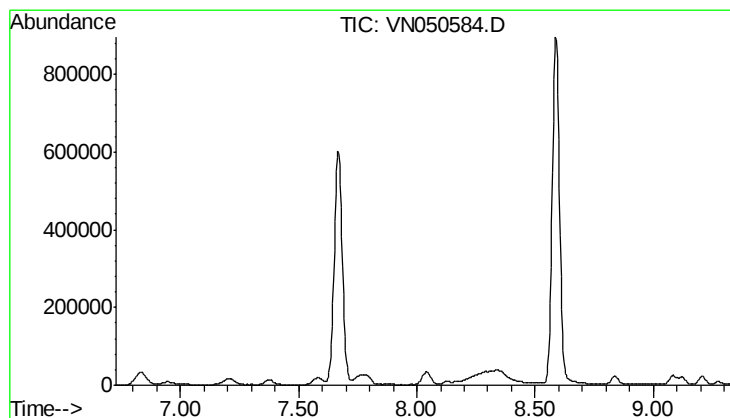
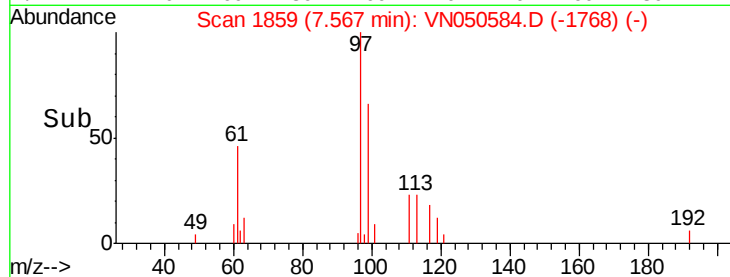
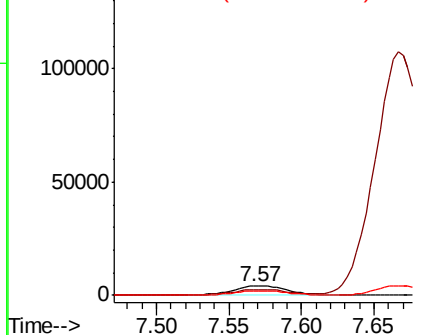


Abundance

Ion 96.90 (96.60 to 97.60): VN050584.D

Ion 98.90 (98.60 to 99.60): VN050584.D

Ion 60.90 (60.60 to 61.60): VN050584.D



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN050584.D

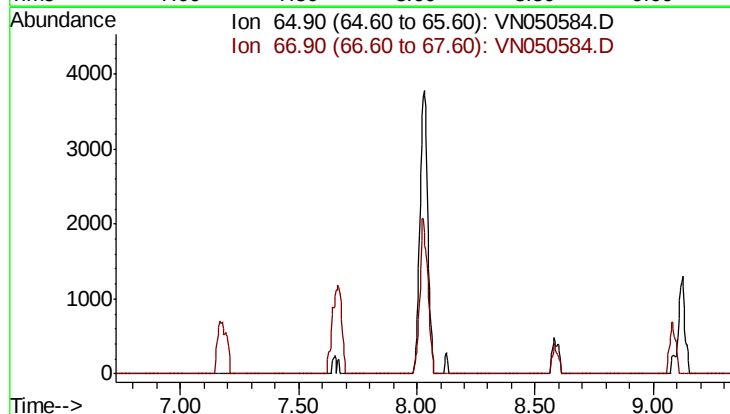
Acq: 13 Aug 2018 23:46

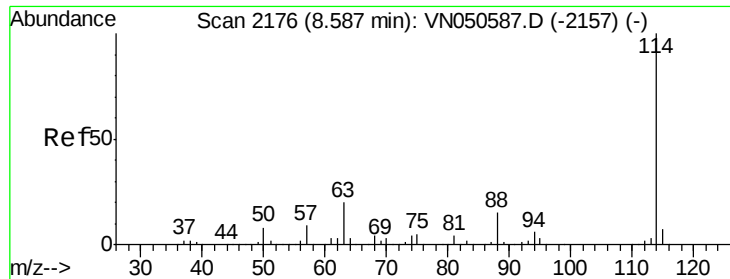
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.9





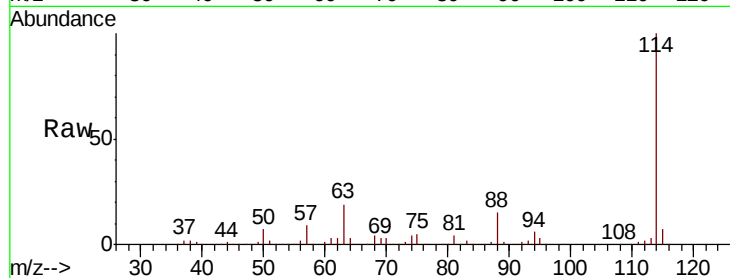
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.2	0.0	40.0
88	15.0	0.0	30.8

Manual Integrations
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MMDadoda
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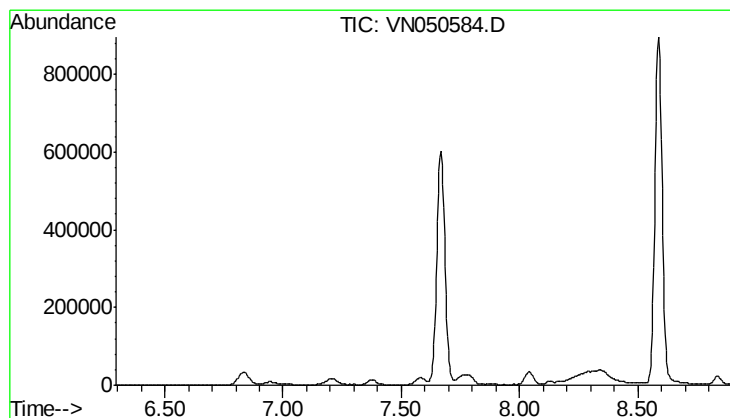
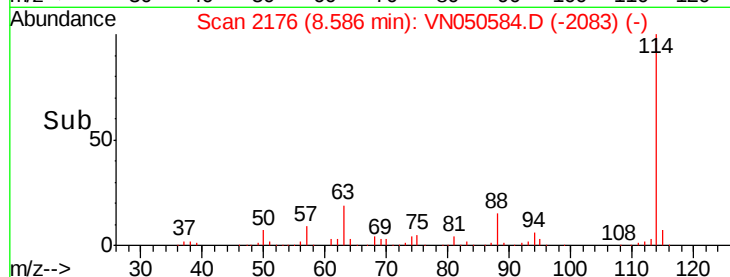
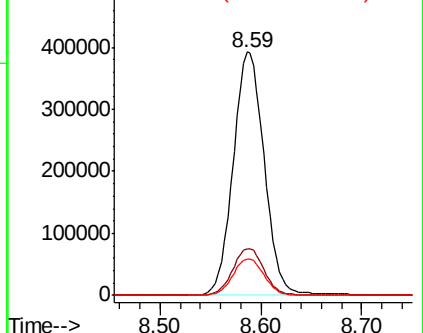


Abundance

Ion 113.90 (113.60 to 114.60): VN050584.D

Ion 63.00 (62.70 to 63.70): VN050584.D

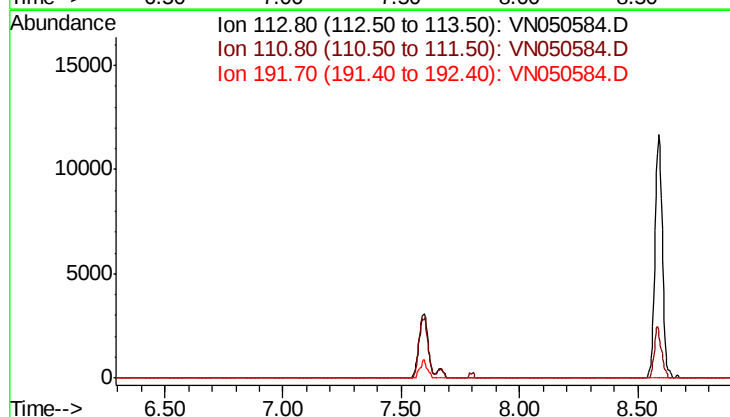
Ion 87.90 (87.60 to 88.60): VN050584.D

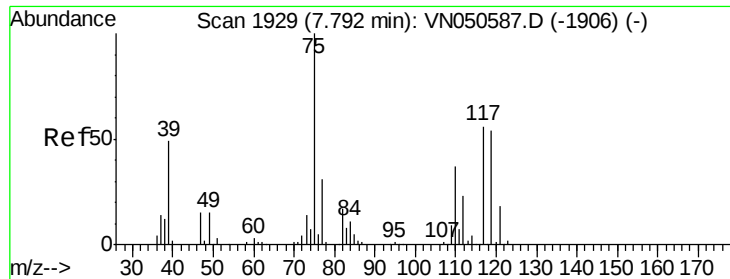


#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min

Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Exp Ratio
113	100
111	101.3
192	22.0





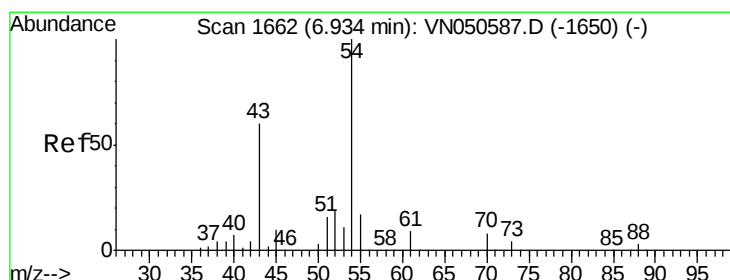
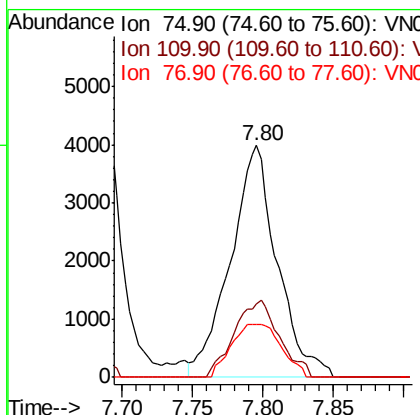
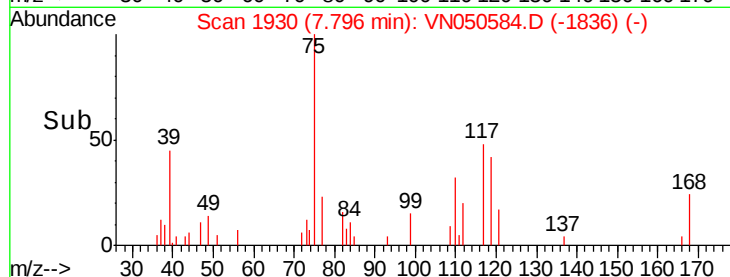
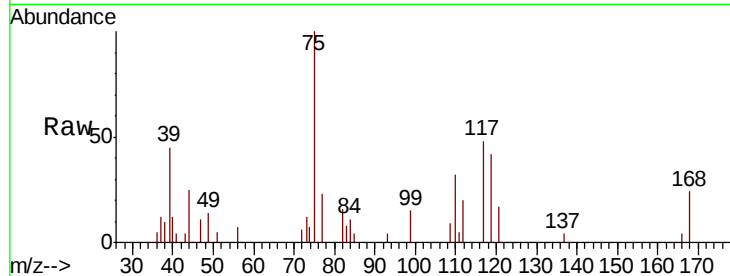
#36
 1,1-Dichloropropene
 Concen: 1.01 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	18.3	54.9
77	24.3	25.0	37.4#

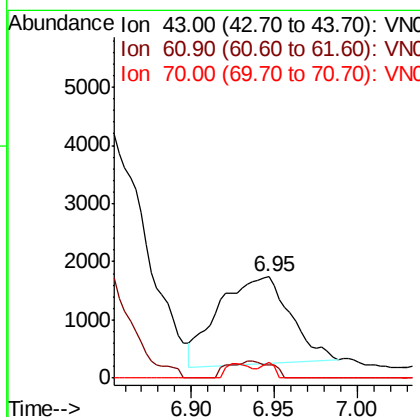
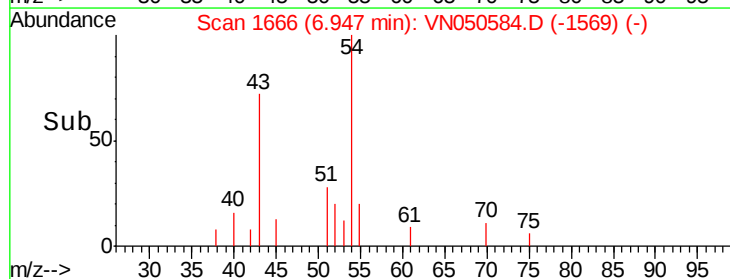
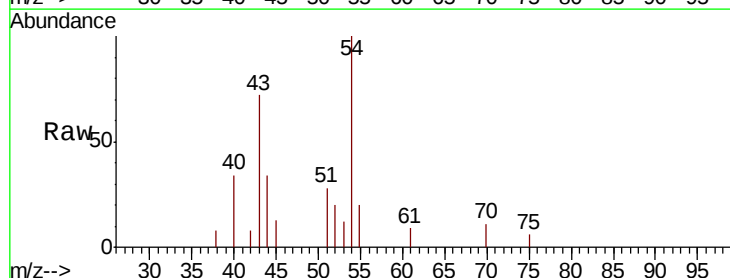
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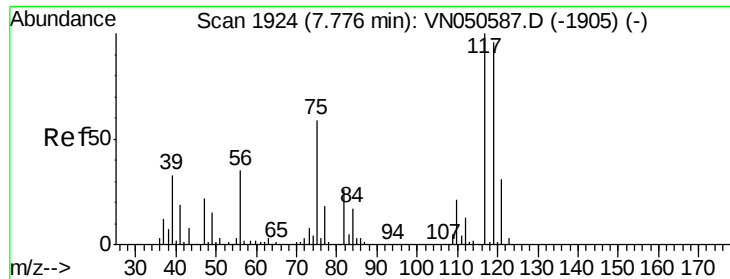
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.72 ug/l
 RT: 6.95 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	3.7	8.5	12.7#





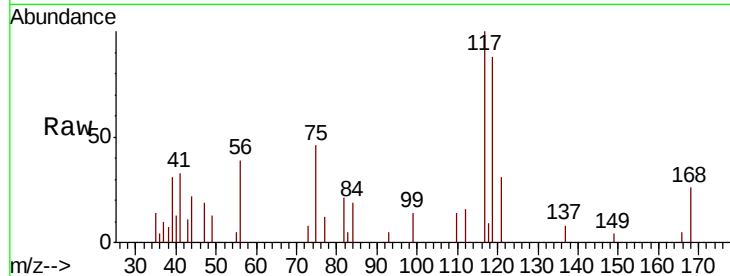
#38
Carbon Tetrachloride
Concen: 1.11 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.4	76.6	115.0
121	30.7	25.0	37.6

Manual Integrations
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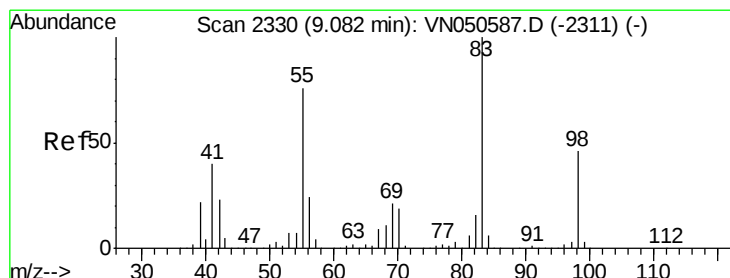
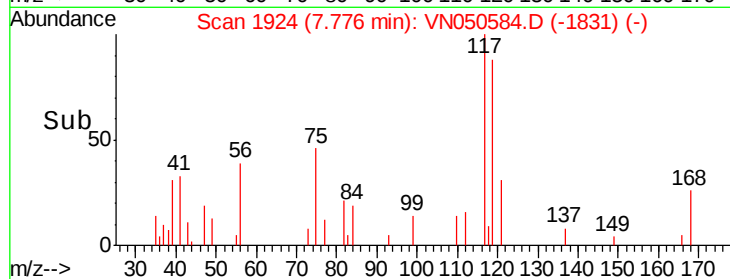
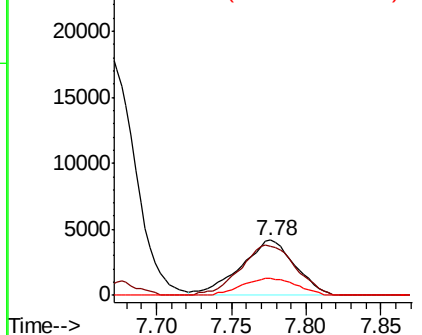


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.83 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

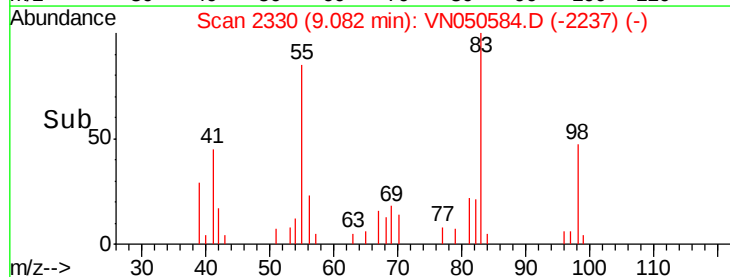
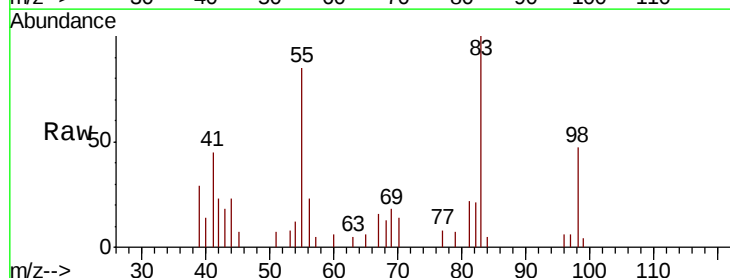
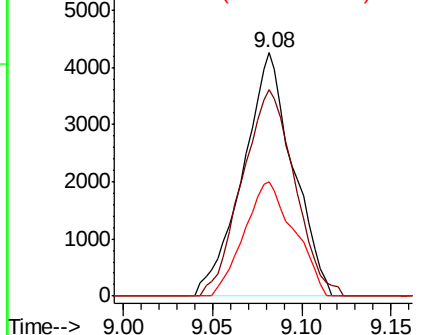
Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	60.6	91.0
98	47.2	37.0	55.4

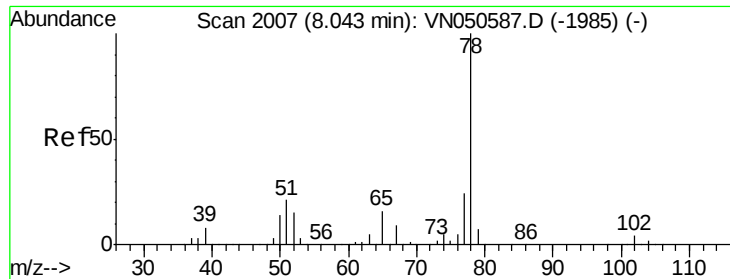
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.00 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 28133

Ion Ratio Lower Upper

78 100

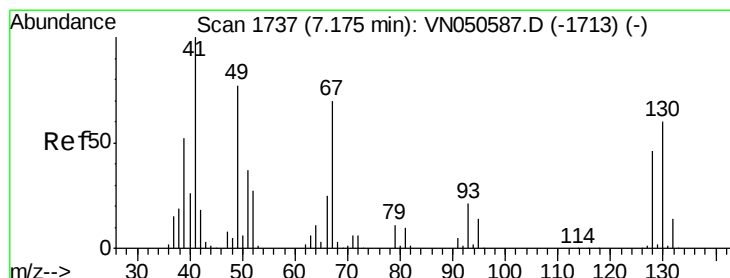
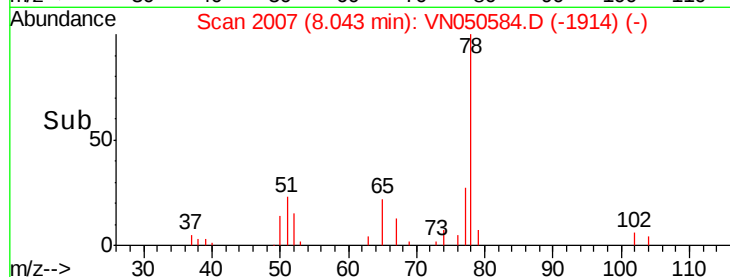
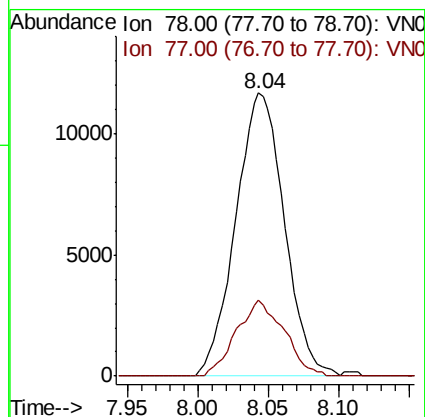
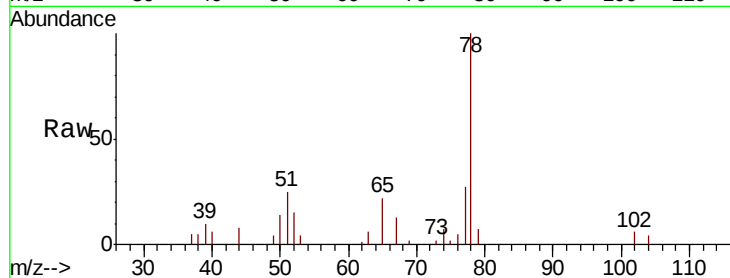
77 26.7 19.0 28.6

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.67 ug/l m

RT: 7.19 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion: 41 Resp: 2315

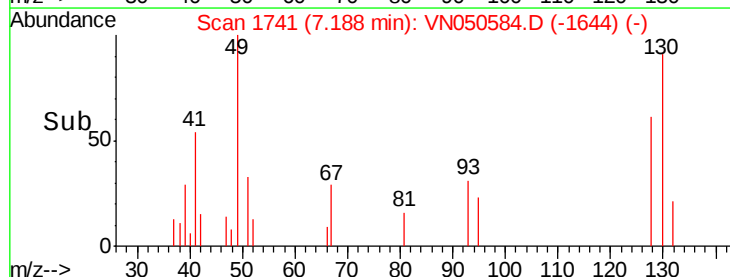
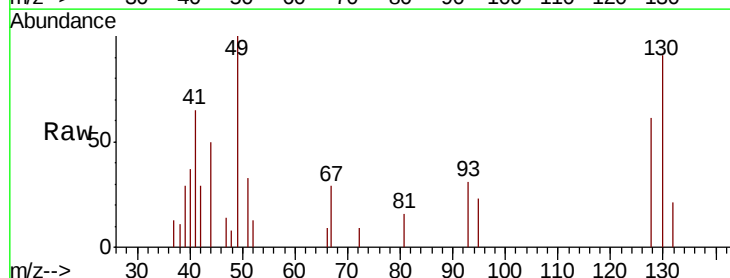
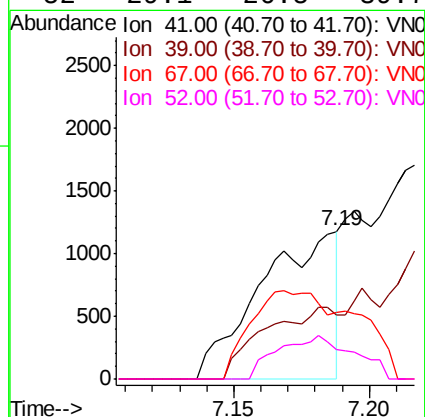
Ion Ratio Lower Upper

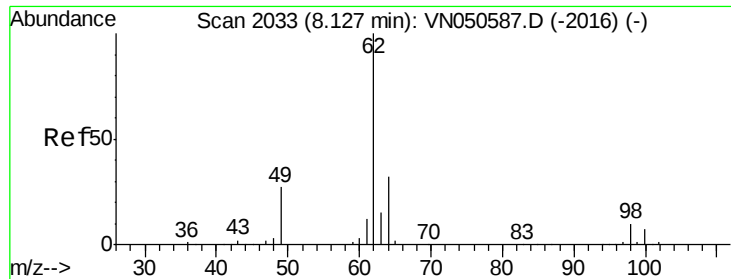
41 100

39 49.7 44.6 66.8

67 59.9 66.7 100.1#

52 29.1 26.5 39.7





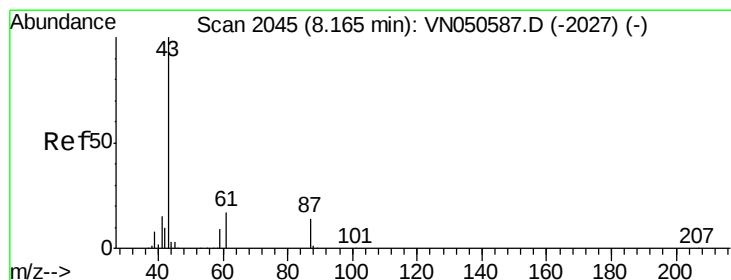
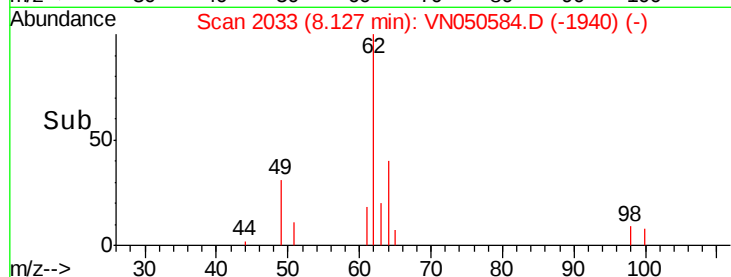
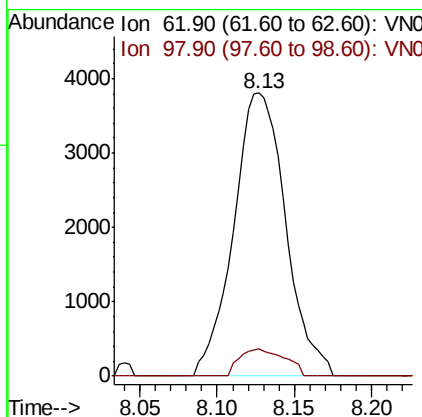
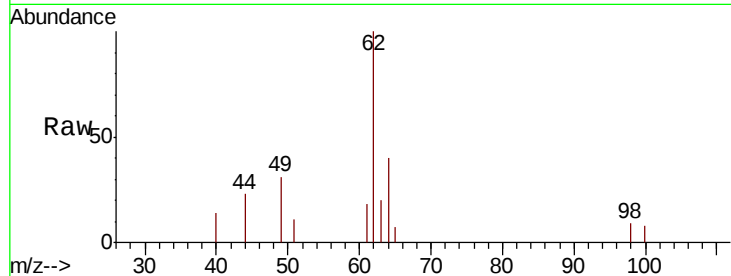
#42
 1,2-Dichloroethane
 Concen: 1.00 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.4

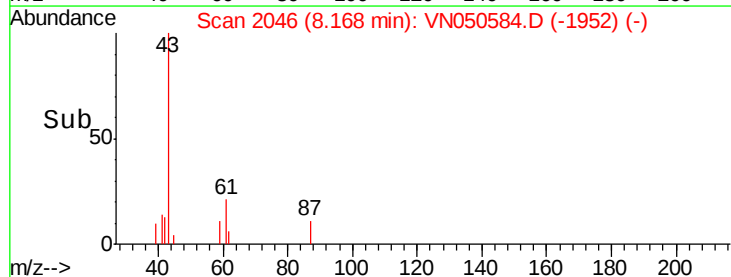
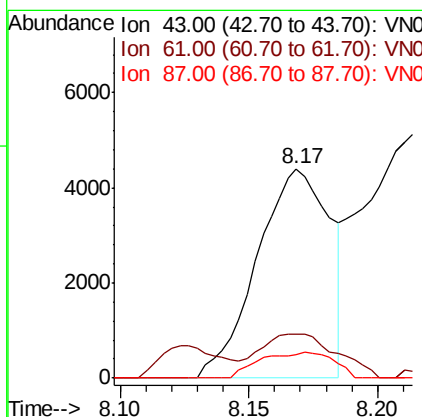
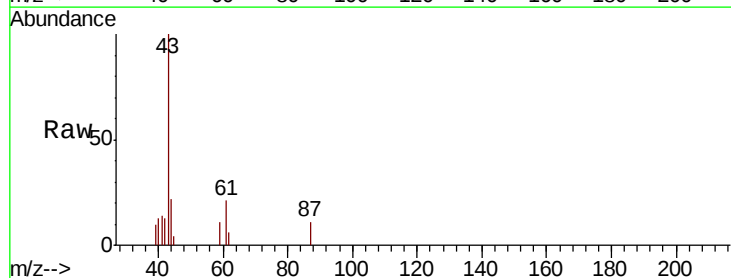
Manual Integrations
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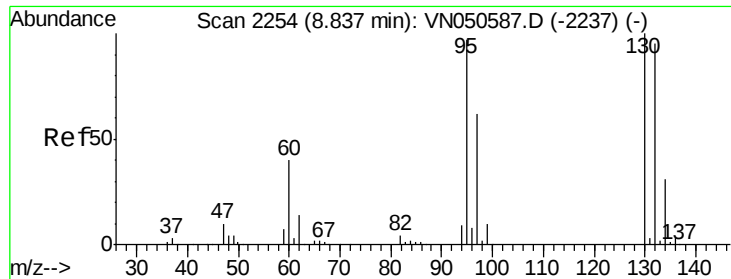
MMDadoda
 8/15/2018 3:20:52 PM



#43
 Isopropyl Acetate
 Concen: 0.78 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.2	24.2
87	12.5	10.9	16.3





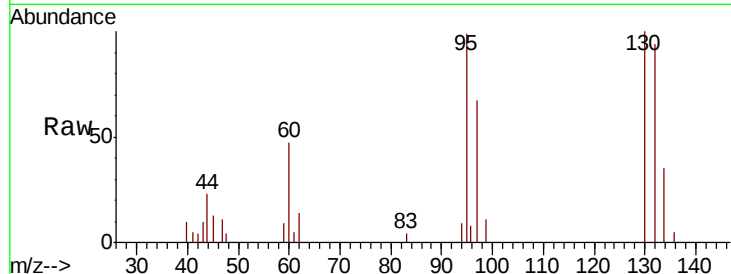
#44
 Trichloroethene
 Concen: 1.09 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

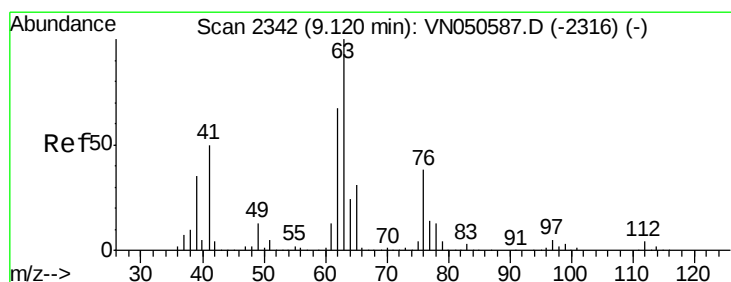
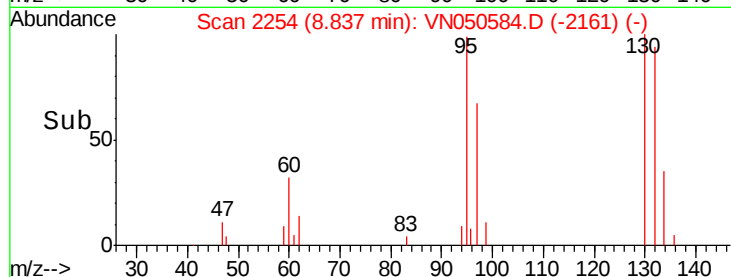
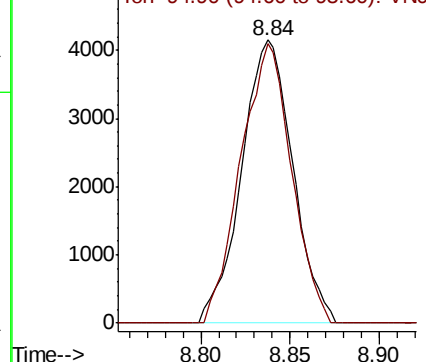
Tot Ion:130 Resp: 8290
 Ion Ratio Lower Upper
 130 100
 95 98.7 0.0 193.8

Manual Integrations
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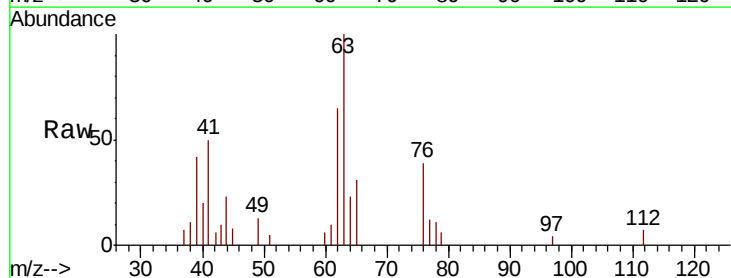


Abundance Ion 129.80 (129.50 to 130.50): V

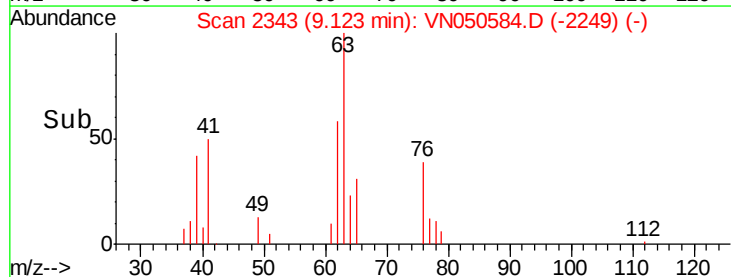
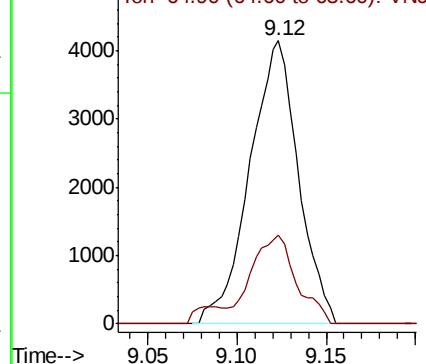


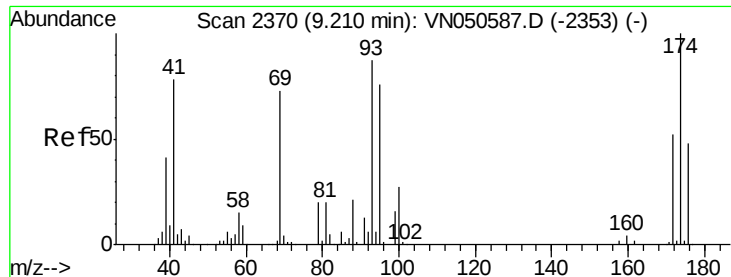
#45
 1,2-Dichloropropane
 Concen: 1.06 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 63 Resp: 7909
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN





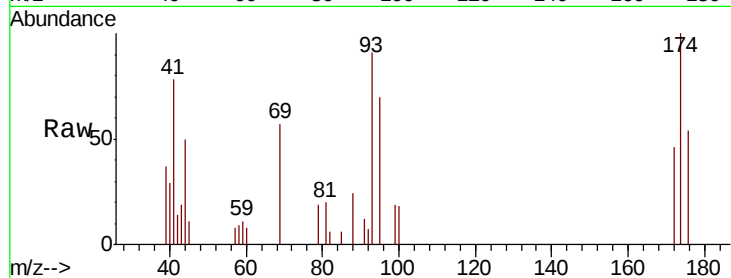
#46
Dibromomethane
Concen: 1.10 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

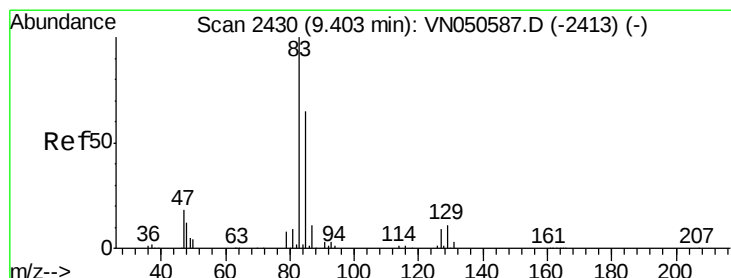
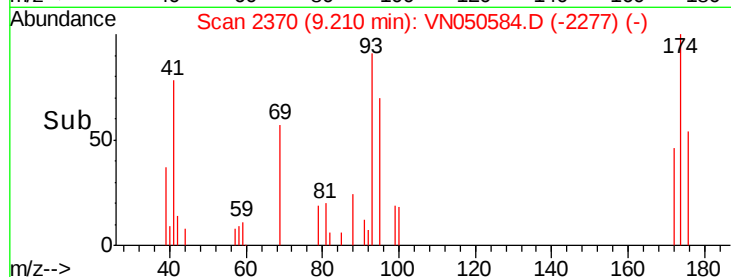
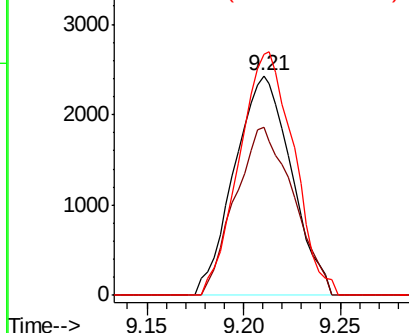
Tot Ion	Ratio	Lower	Upper
93	100		
95	78.4	69.1	103.7
174	106.4	91.0	136.6

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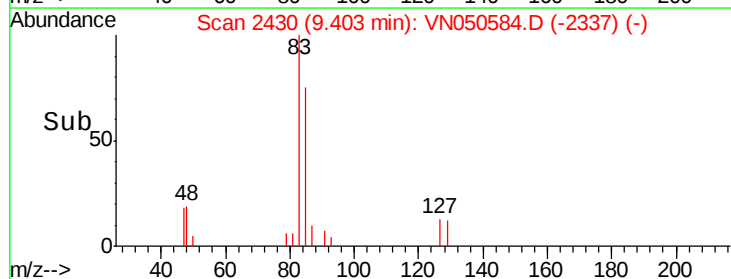
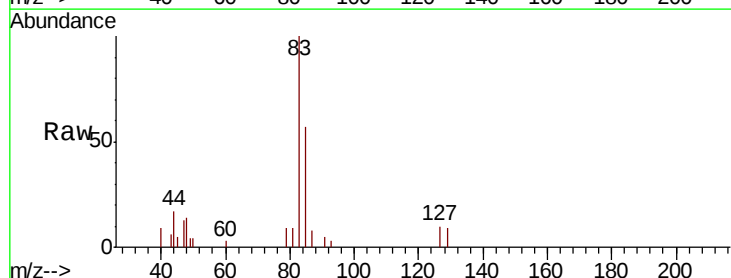
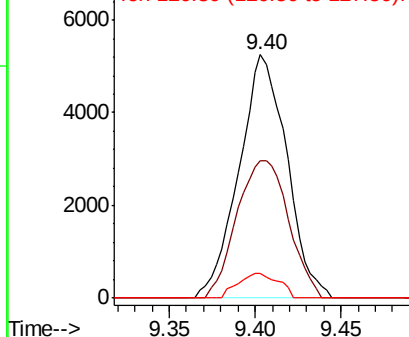
Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

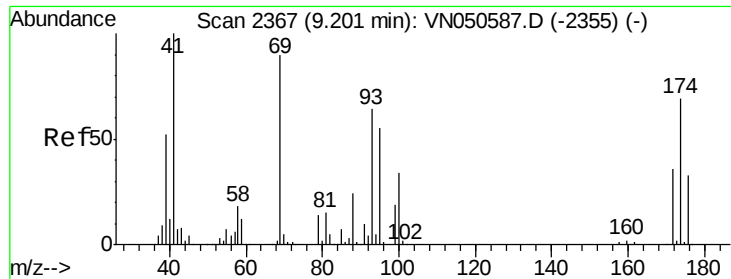


#47
Bromodichloromethane
Concen: 1.07 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.6	51.8	77.6
127	9.9	7.2	10.8

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





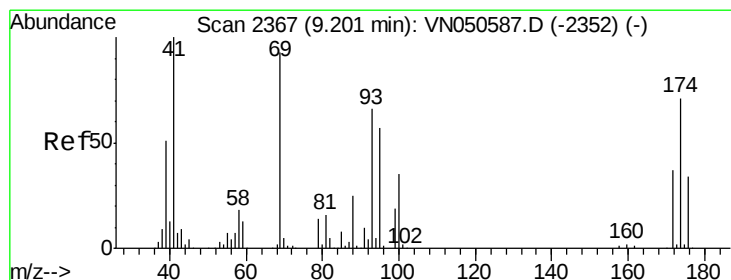
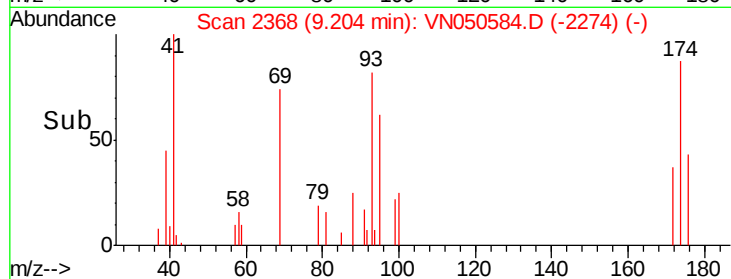
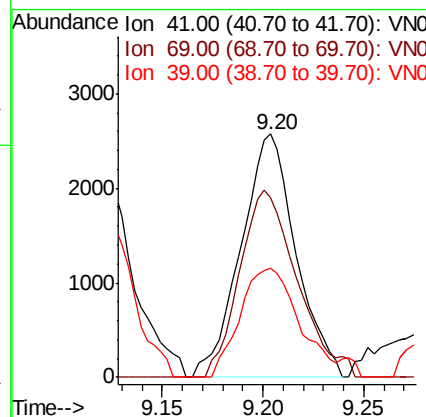
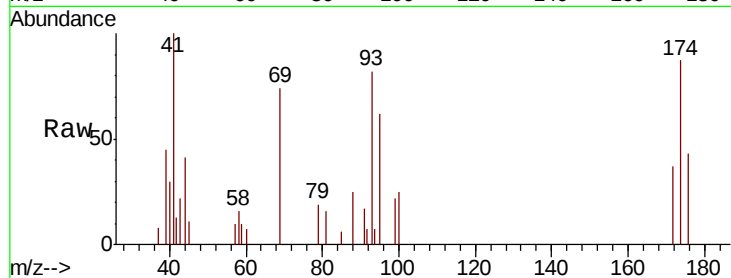
#48
Methvl methacrylate
Concen: 0.88 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	80.3	73.4	110.0
39	48.1	43.0	64.6

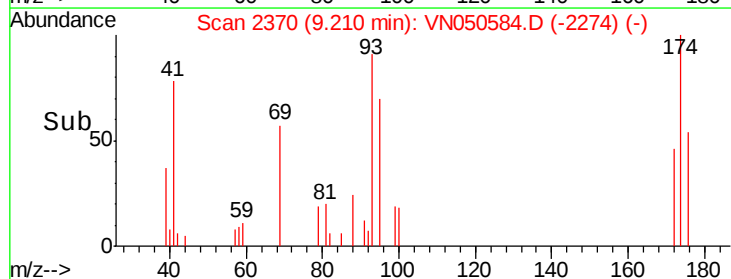
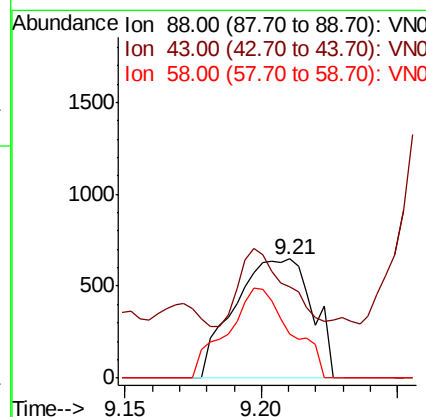
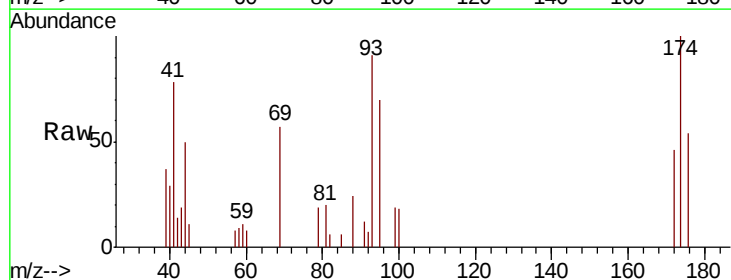
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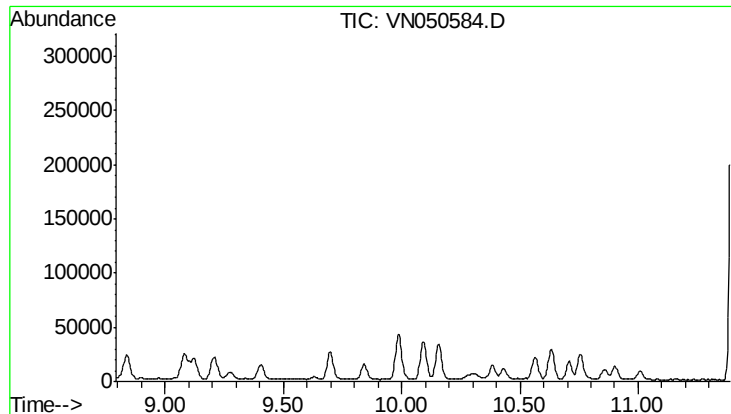
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#49
1,4-Dioxane
Concen: 15.15 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.9	38.9#
58	61.8	56.5	84.7





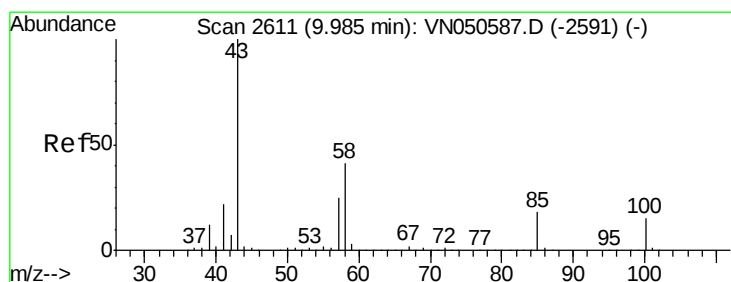
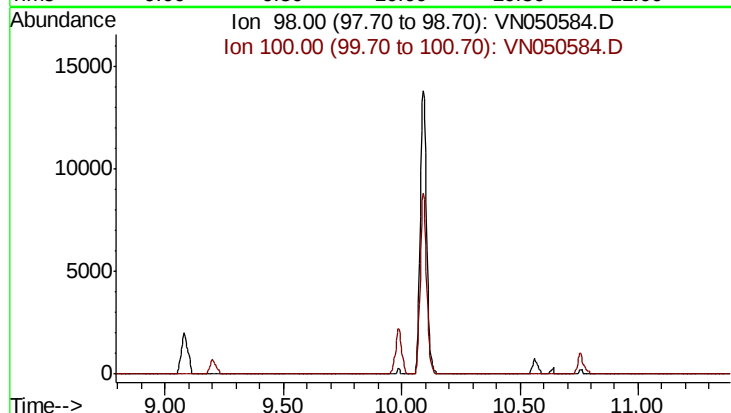
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.8

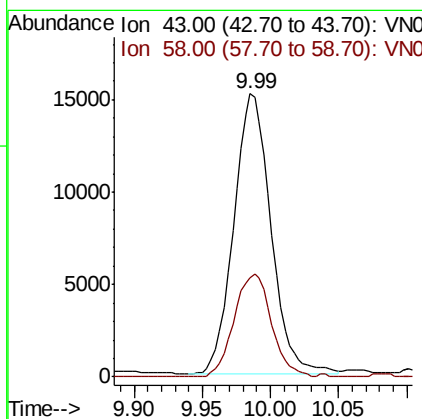
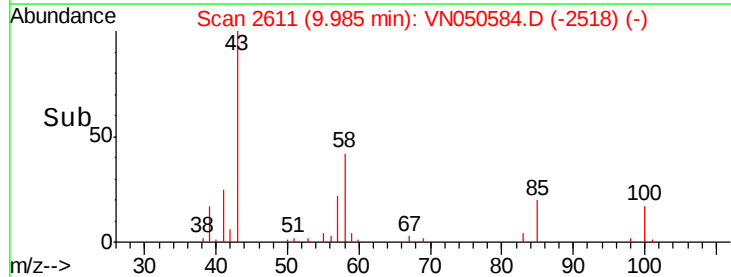
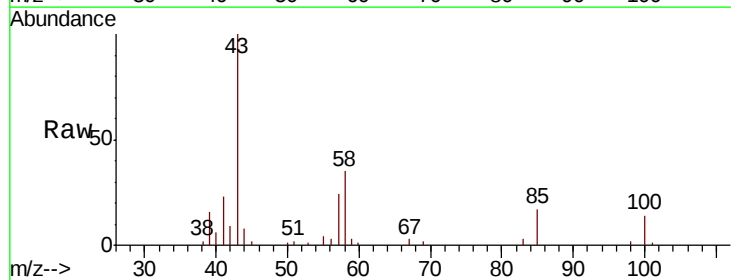
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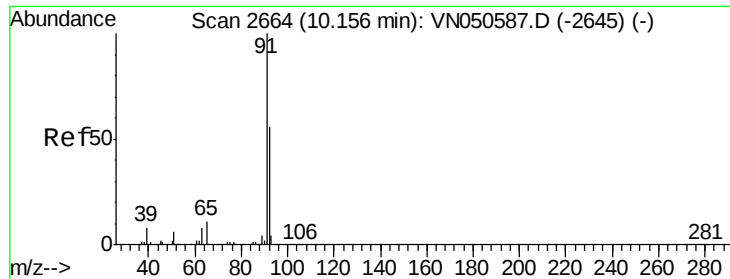
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#51
4-Methyl-2-Pentanone
Concen: 3.62 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 43 Resp: 28648
Ion Ratio Lower Upper
43 100
58 36.9 32.5 48.7





#52

Toluene

Concen: 0.86 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 14533

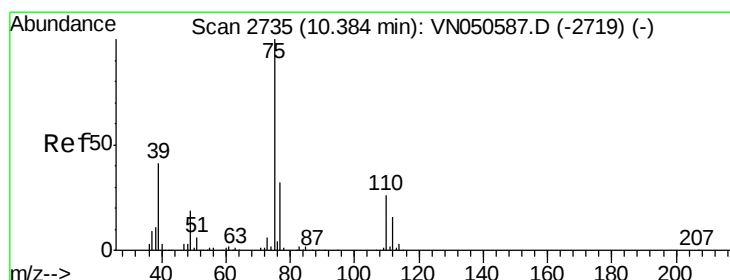
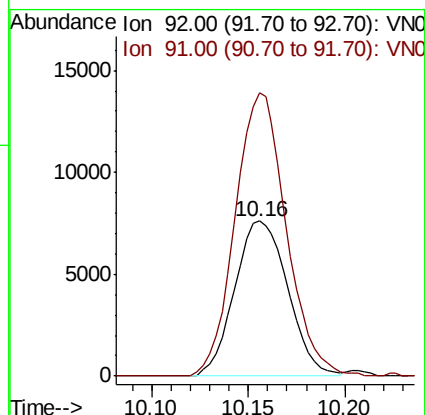
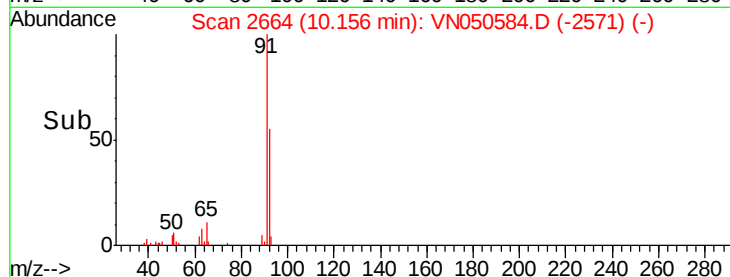
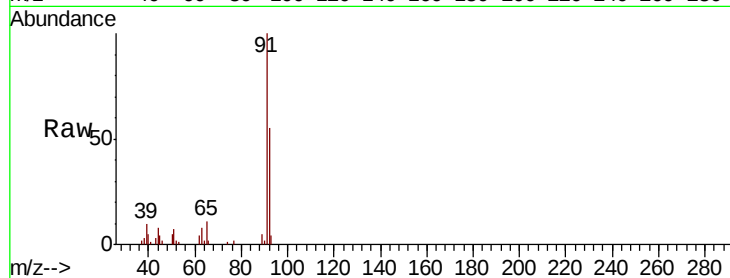
Ion Ratio Lower Upper

92 100

91 175.7 141.9 212.9

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#53

t-1,3-Dichloropropene

Concen: 0.87 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050584.D

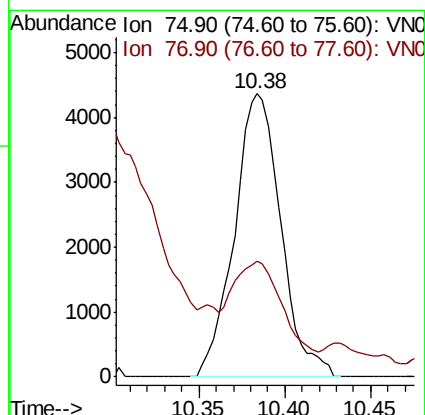
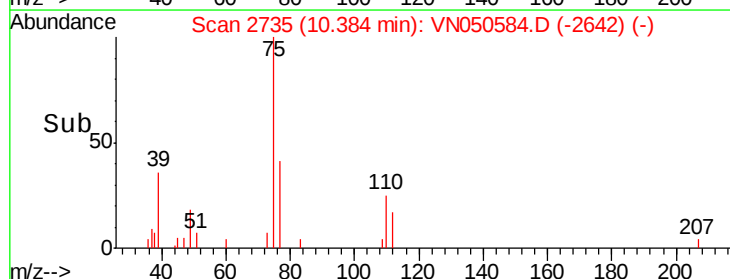
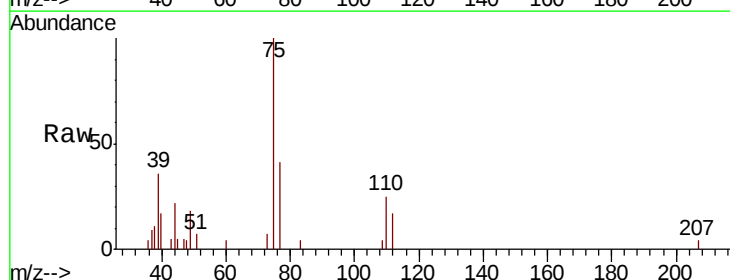
Acq: 13 Aug 2018 23:46

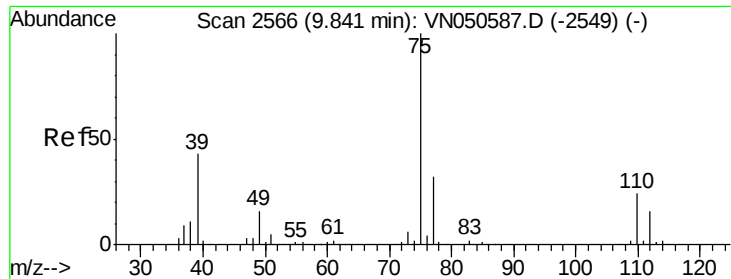
Tgt Ion: 75 Resp: 8185

Ion Ratio Lower Upper

75 100

77 28.7 25.8 38.6





#54

cis-1,3-Dichloropropene

Concen: 0.84 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

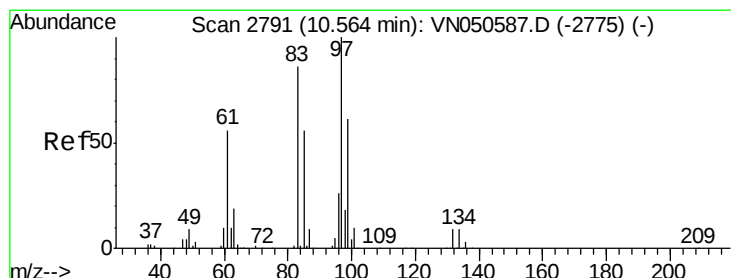
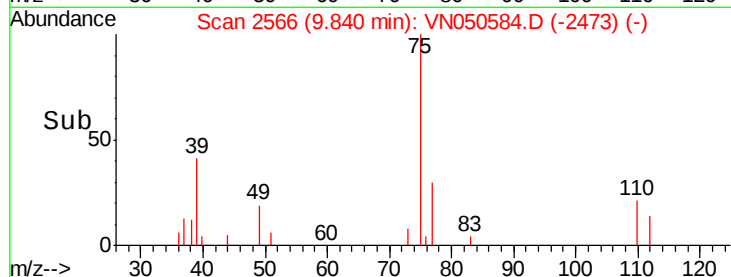
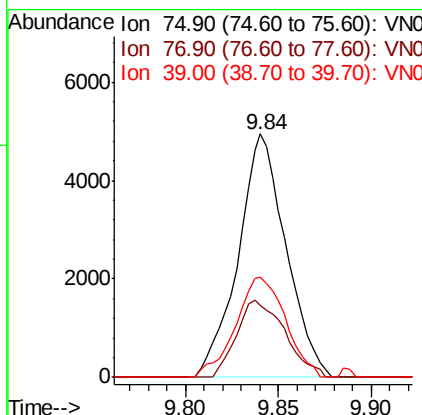
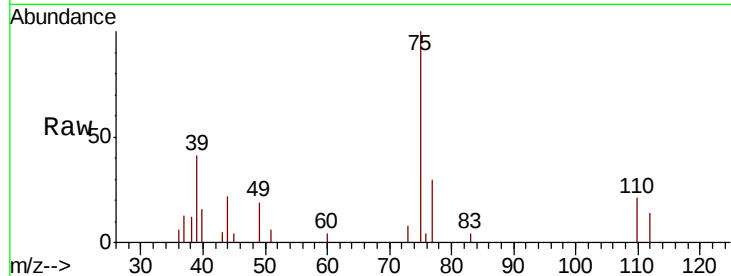
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	8856
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.6	38.4
39	41.0	34.4	51.6

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#55

1,1,2-Trichloroethane

Concen: 0.99 ug/l

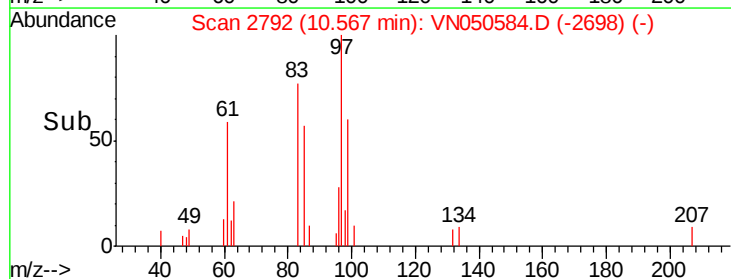
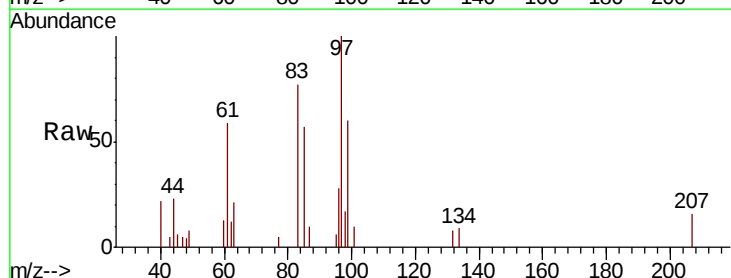
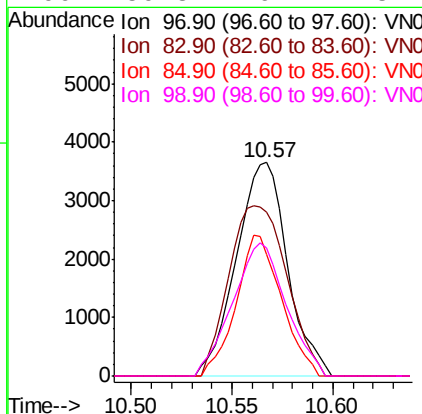
RT: 10.57 min Scan# 2792

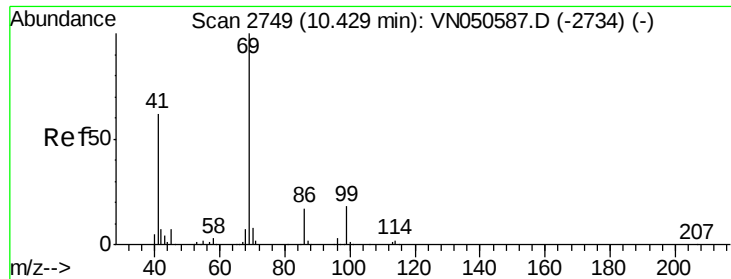
Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	97	Resp:	6478
Ion	Ratio	Lower	Upper
97	100		
83	76.8	68.5	102.7
85	57.2	44.6	66.8
99	59.8	49.1	73.7





#56

Ethyl methacrylate

Concen: 0.62 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

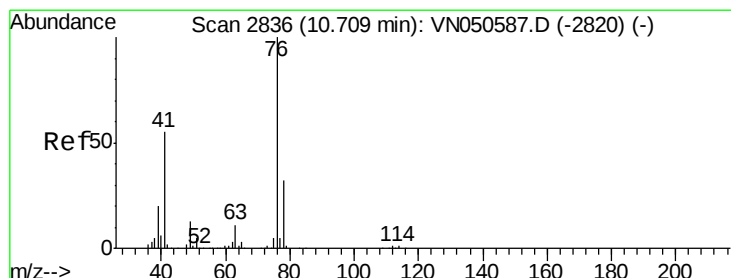
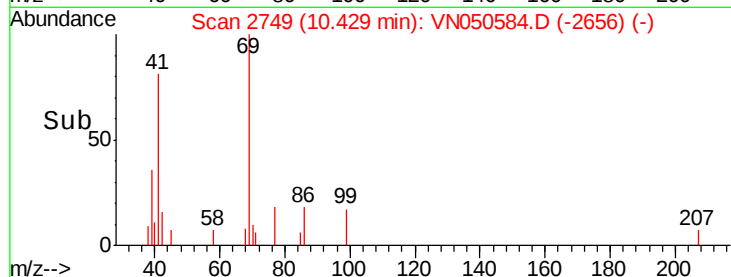
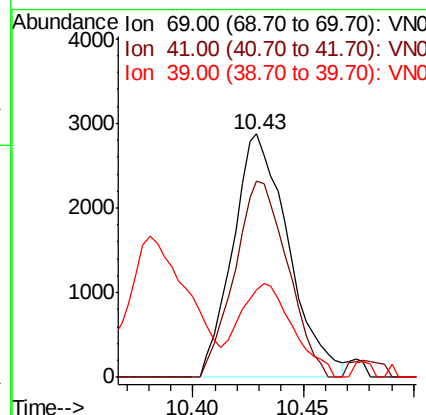
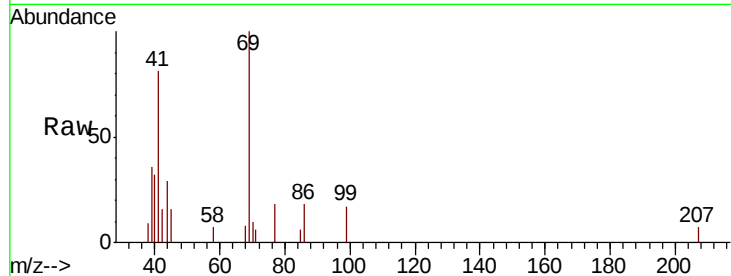
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	5025
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.7	74.5#
39	37.5	24.2	36.2#

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#57

1,3-Dichloropropane

Concen: 0.91 ug/l

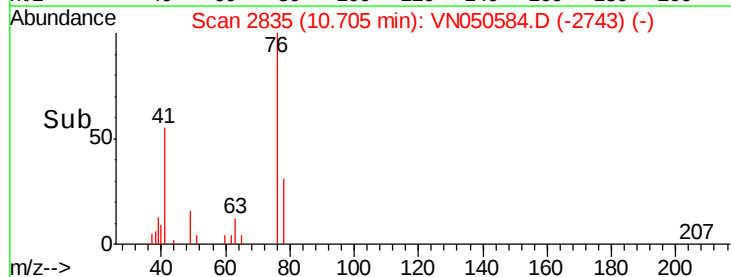
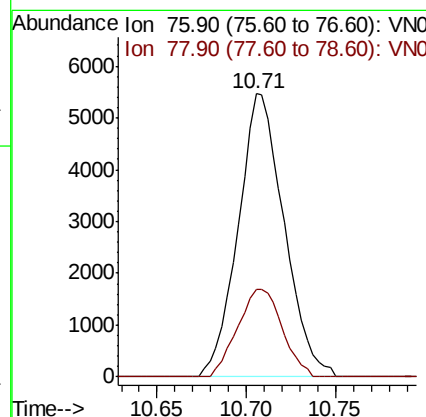
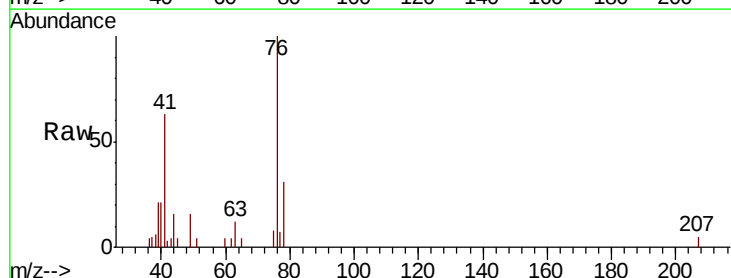
RT: 10.71 min Scan# 2835

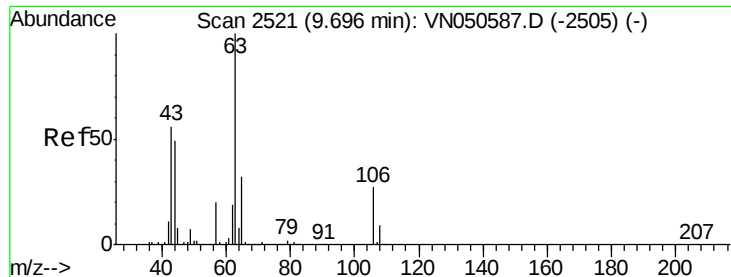
Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	76	Resp:	9816
Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 2.99 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 11413

Ion Ratio Lower Upper

63 100

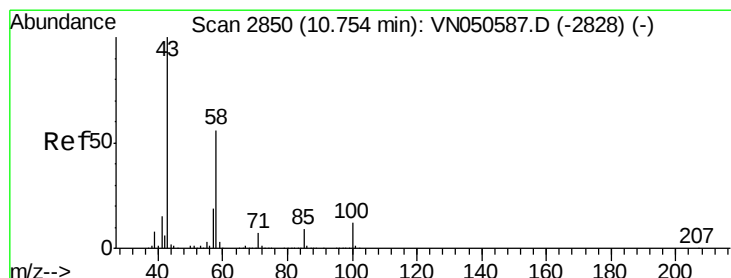
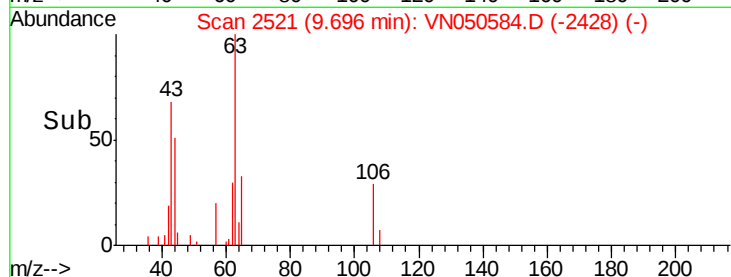
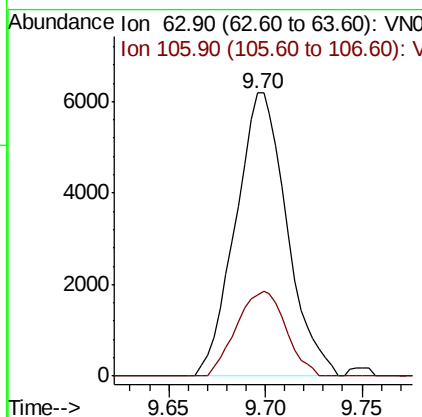
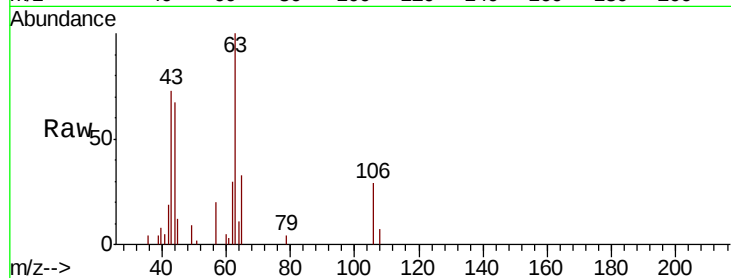
106 28.7 21.7 32.5

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#59

2-Hexanone

Concen: 3.18 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050584.D

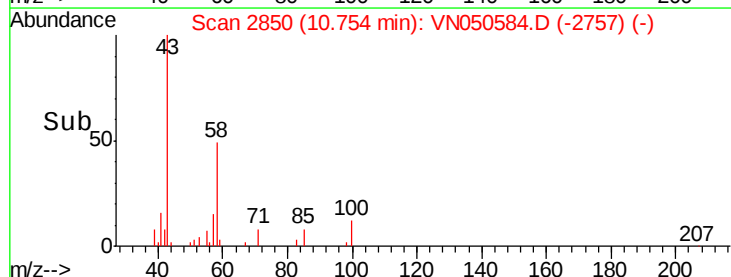
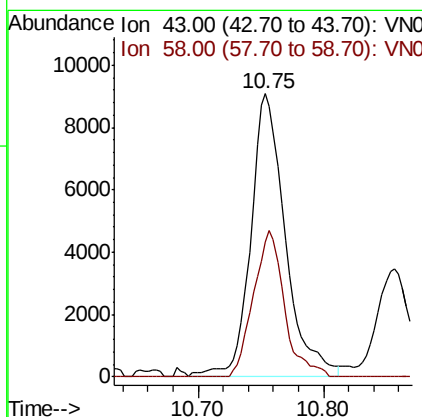
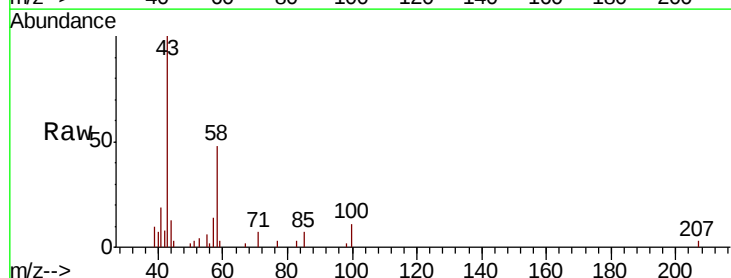
Acq: 13 Aug 2018 23:46

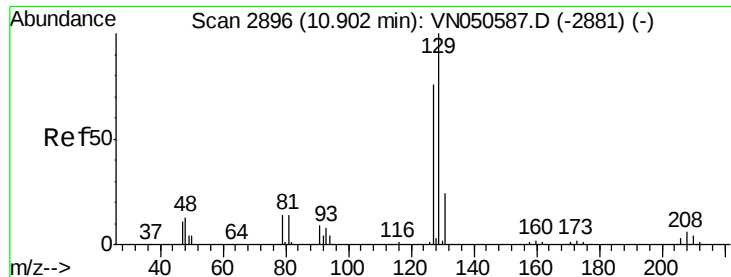
Tgt Ion: 43 Resp: 17482

Ion Ratio Lower Upper

43 100

58 45.9 28.0 84.0





#60

Dibromochloromethane

Concen: 0.89 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 6424

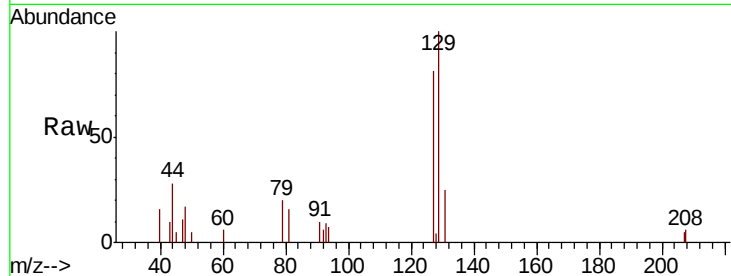
Ion Ratio Lower Upper

129 100

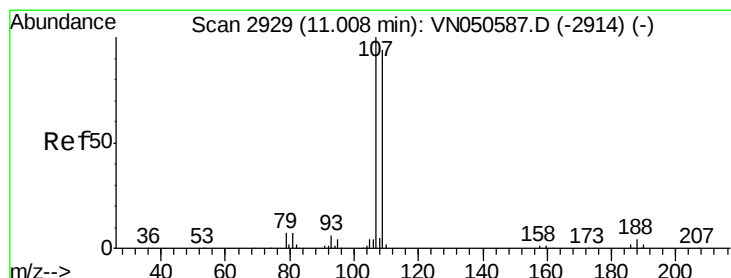
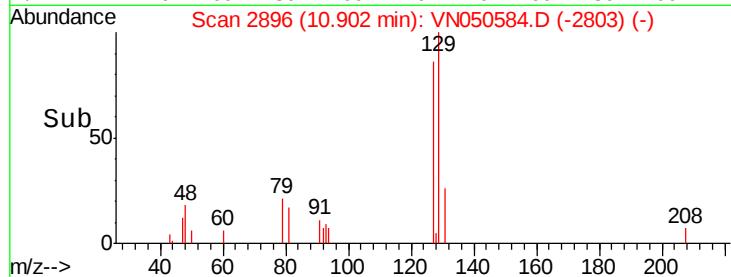
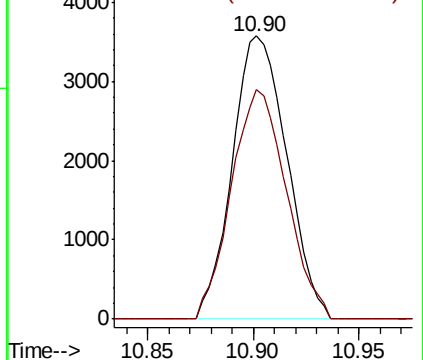
127 81.9 38.9 116.7

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Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.87 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050584.D

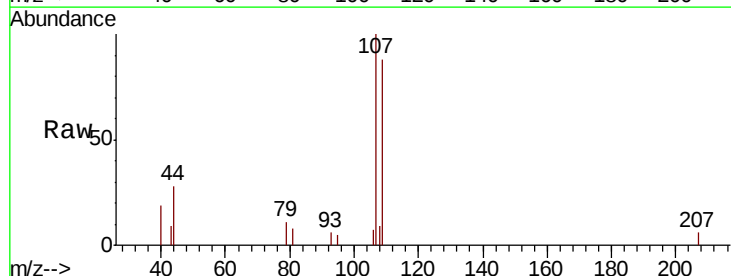
Acq: 13 Aug 2018 23:46

Tgt Ion:107 Resp: 5617

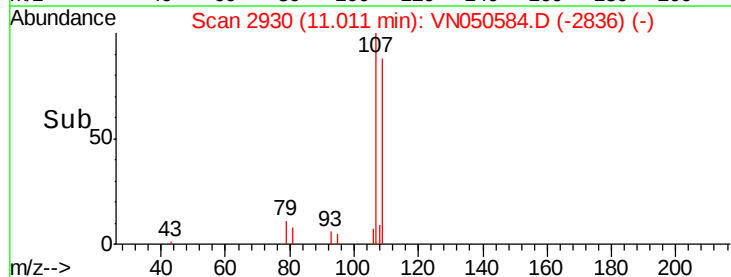
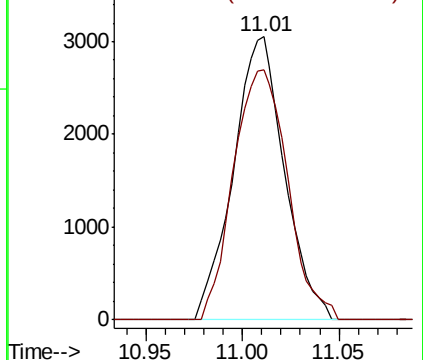
Ion Ratio Lower Upper

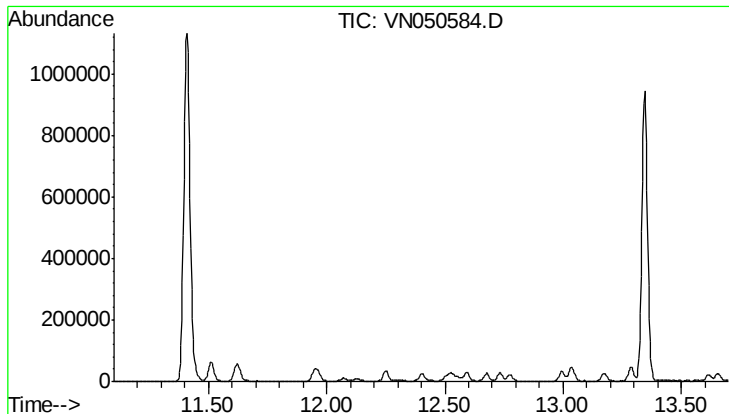
107 100

109 93.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tot Ion: 95

Sig Exp Ratio

95 100

174 88.9

176 87.5

Instrument :

MSVOA_N

ClientSampleId :

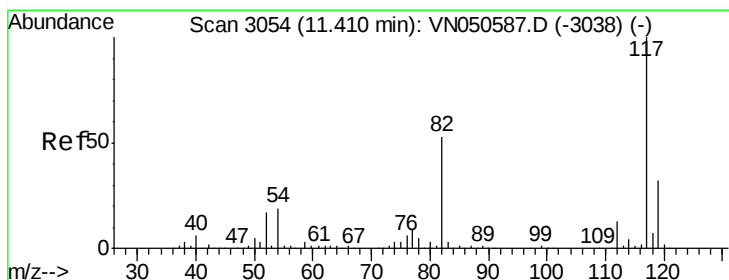
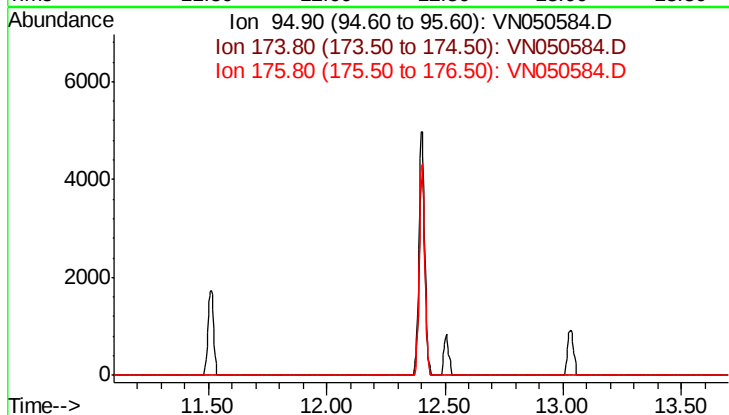
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

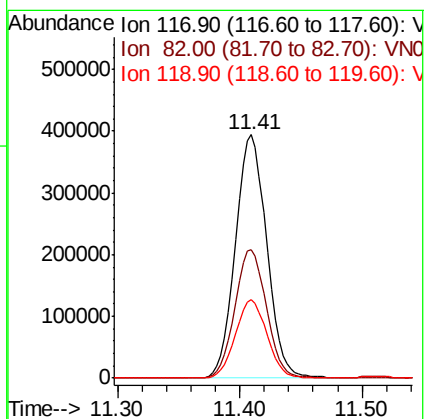
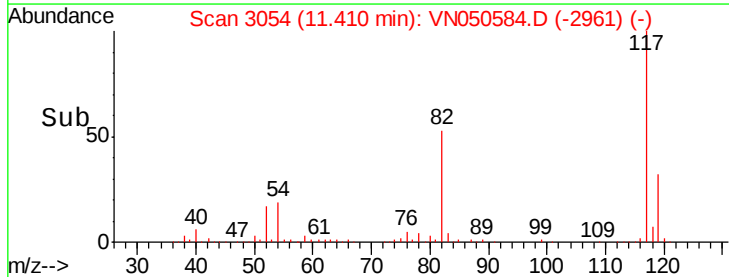
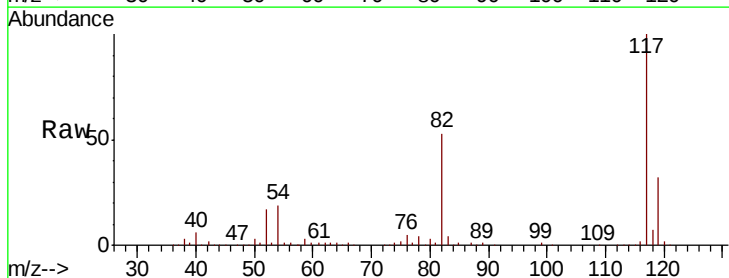
Tgt Ion:117 Resp: 700821

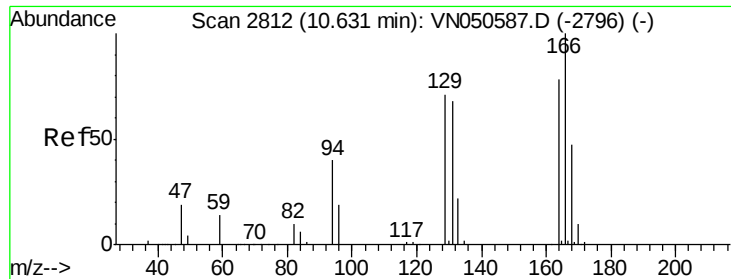
Ion Ratio Lower Upper

117 100

82 52.9 42.4 63.6

119 32.2 25.8 38.8





#64

Tetrachloroethene

Concen: 1.07 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:164 Resp: 7028

Ion Ratio Lower Upper

164 100

166 126.3 102.1 153.1

129 93.1 72.7 109.1

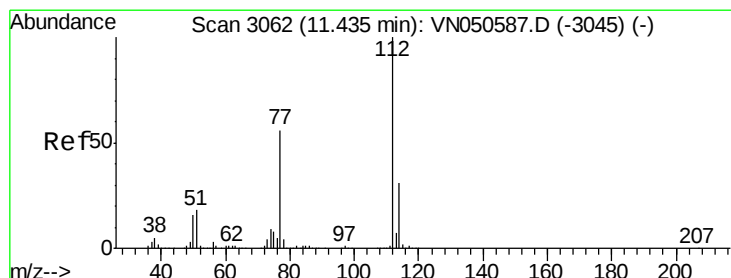
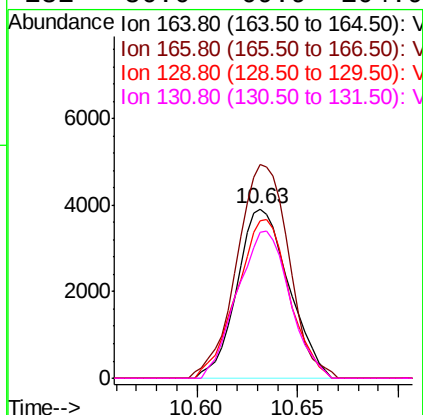
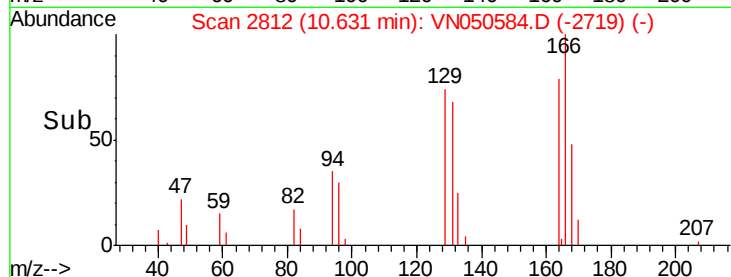
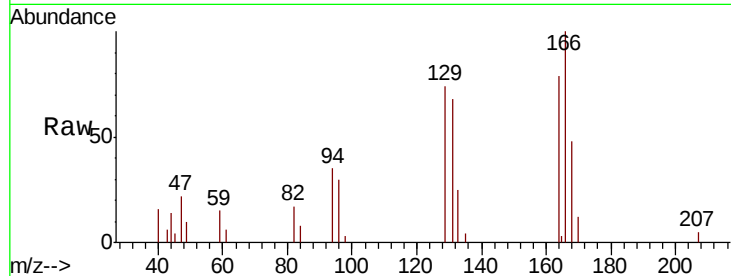
131 86.0 69.9 104.9

Manual Integrations

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#65

Chlorobenzene

Concen: 1.01 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050584.D

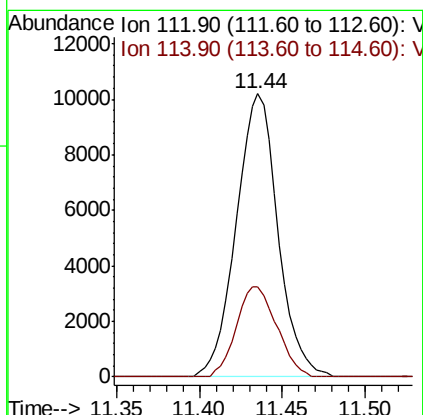
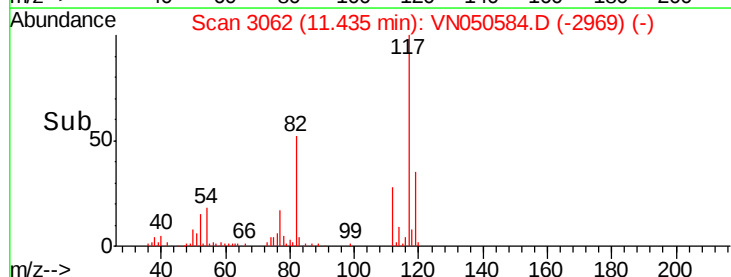
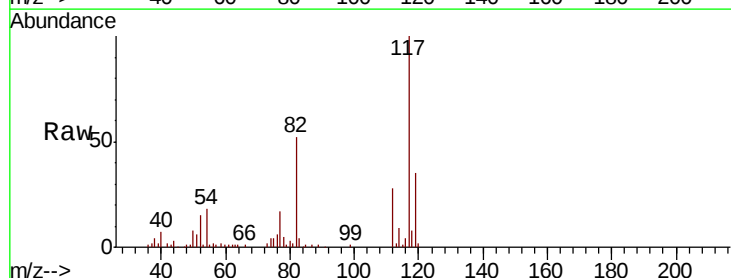
Acq: 13 Aug 2018 23:46

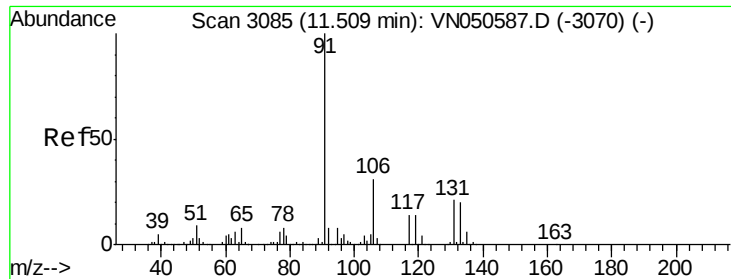
Tgt Ion:112 Resp: 17775

Ion Ratio Lower Upper

112 100

114 31.6 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

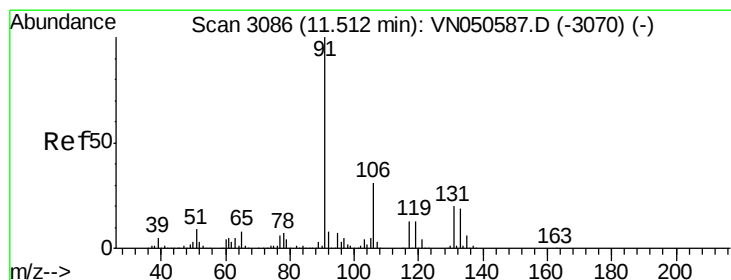
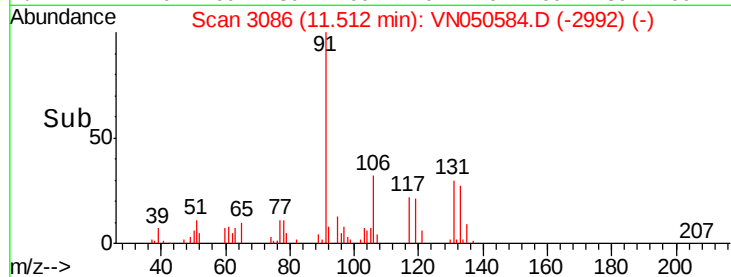
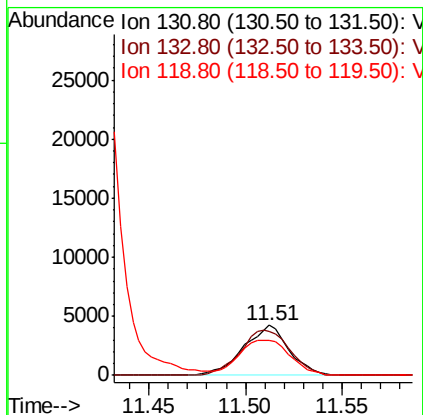
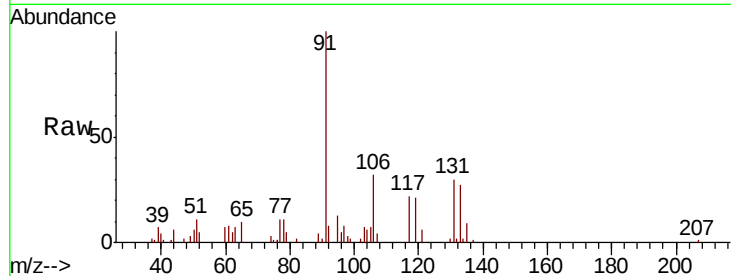
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.6	142.9
119	0.0	33.1	99.3#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.85 ug/l

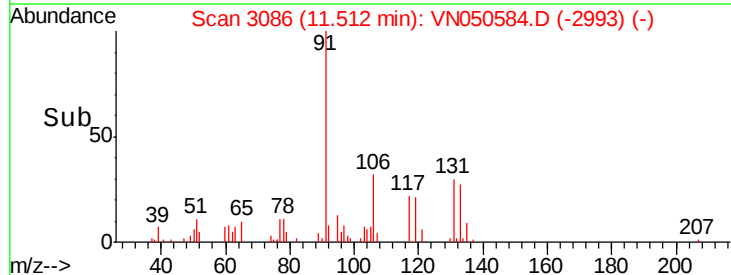
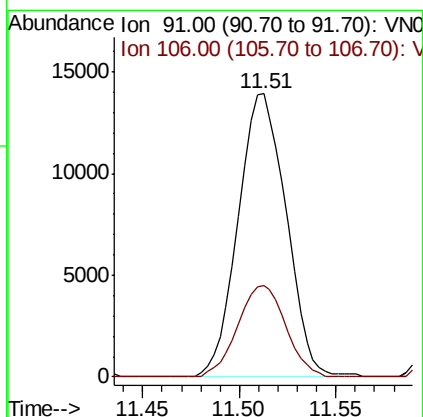
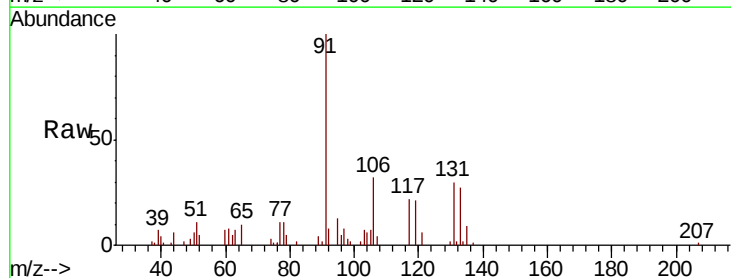
RT: 11.51 min Scan# 3086

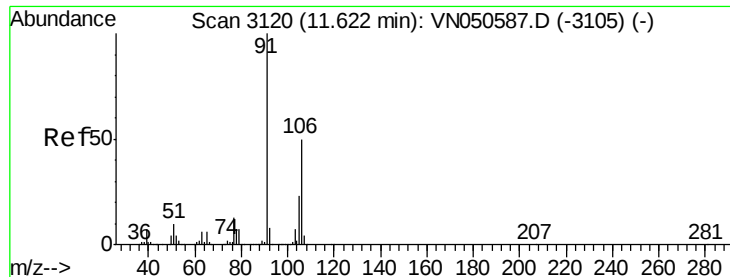
Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.8	37.2





#68

m/p-Xylenes

Concen: 1.65 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 17865

Ion Ratio Lower Upper

106 100

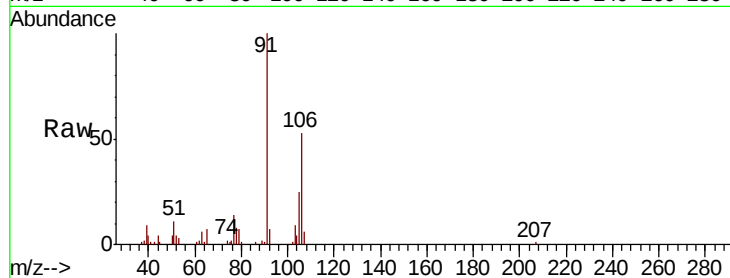
91 197.5 161.5 242.3

Manual Integrations

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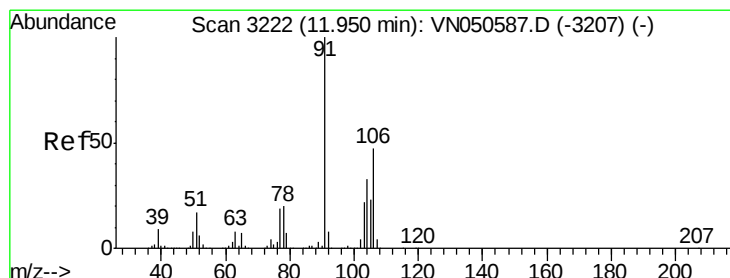
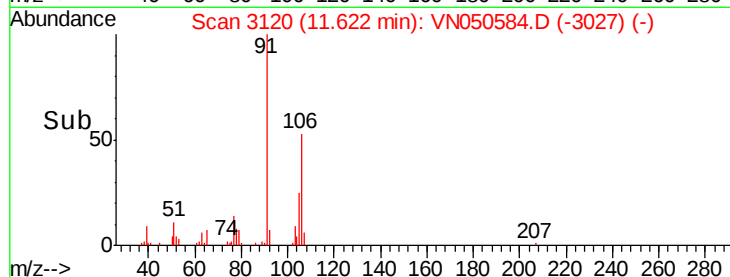
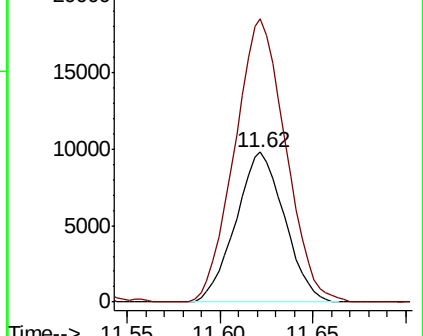
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.79 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050584.D

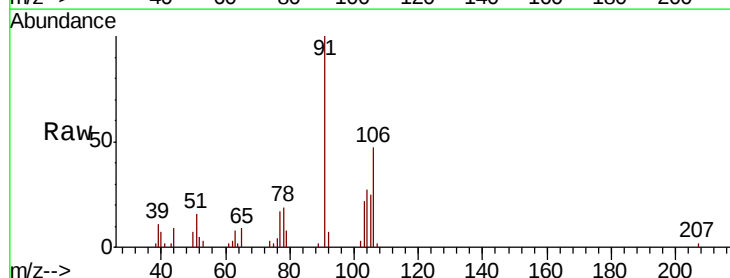
Acq: 13 Aug 2018 23:46

Tgt Ion:106 Resp: 8274

Ion Ratio Lower Upper

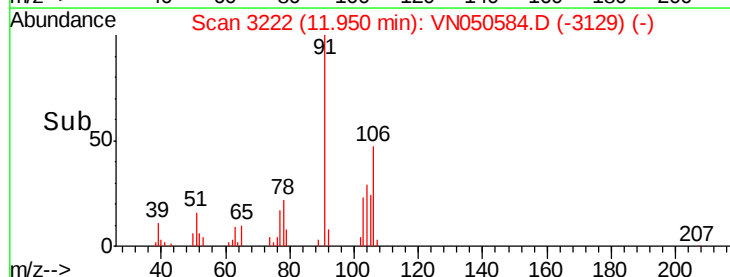
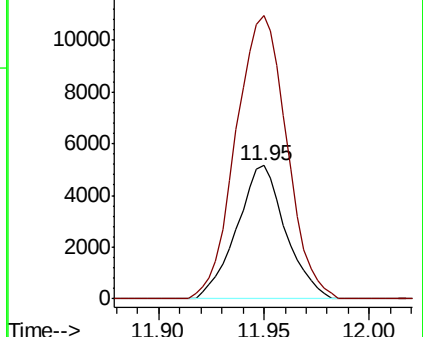
106 100

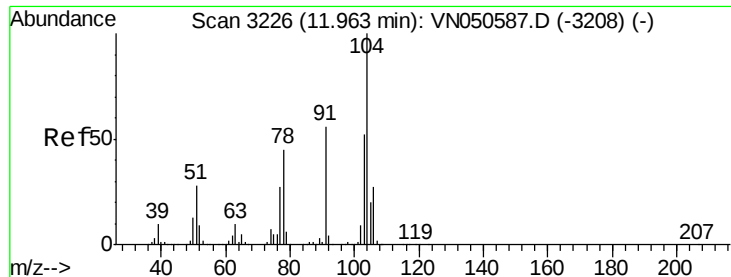
91 222.0 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.71 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

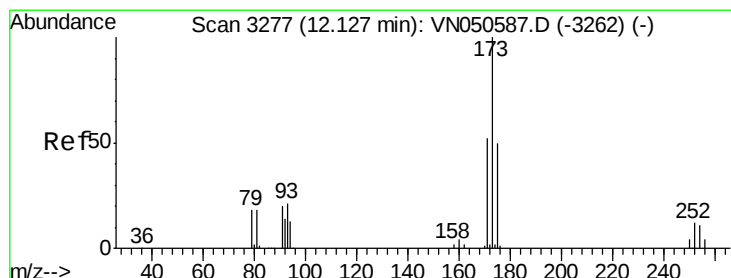
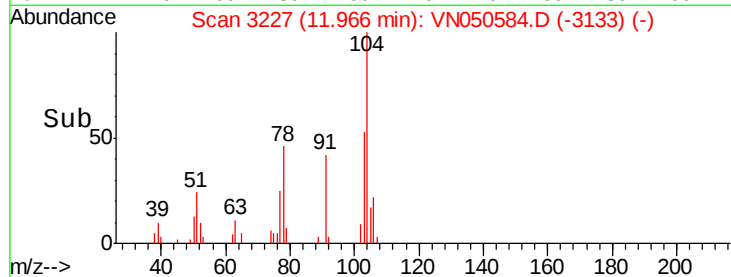
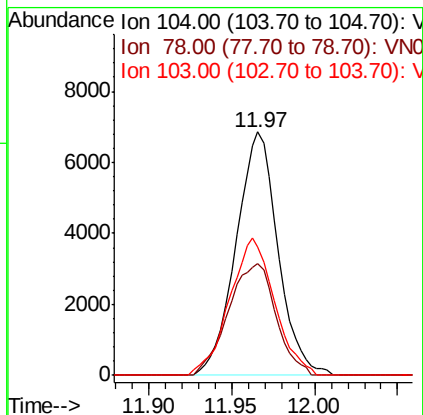
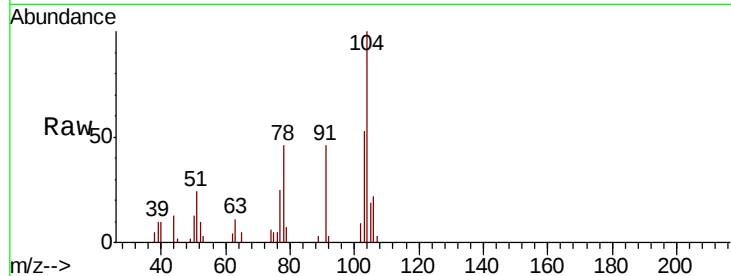
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	12039
Ion Ratio	Lower	Upper	
104	100		
78	51.8	39.1	58.7
103	60.5	44.9	67.3

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#71

Bromoform

Concen: 0.90 ug/l

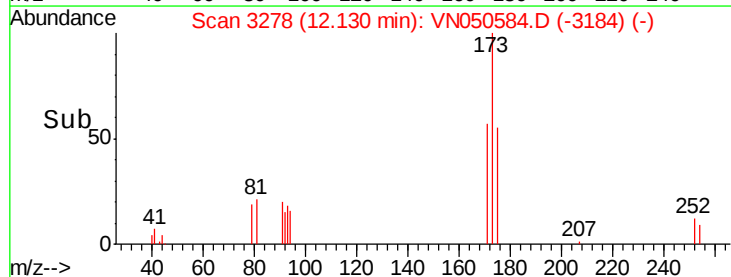
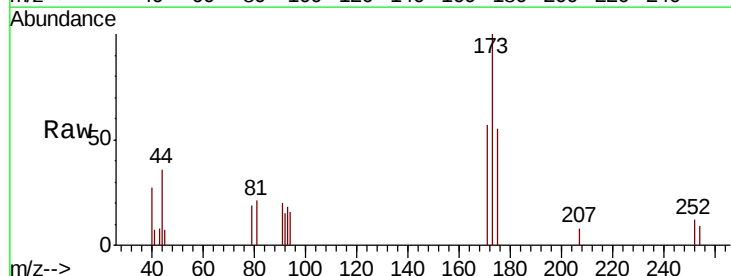
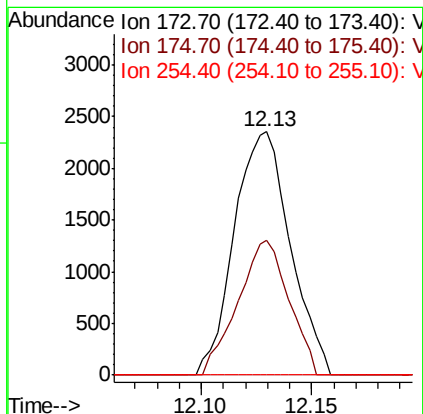
RT: 12.13 min Scan# 3278

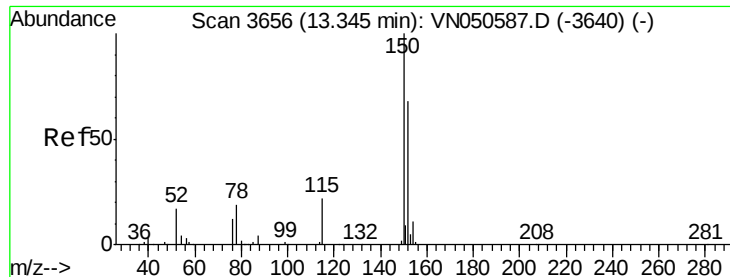
Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	173	Resp:	4144
Ion Ratio	Lower	Upper	
173	100		
175	50.3	24.4	73.2
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

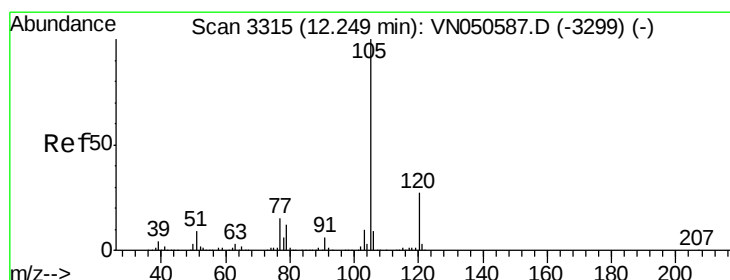
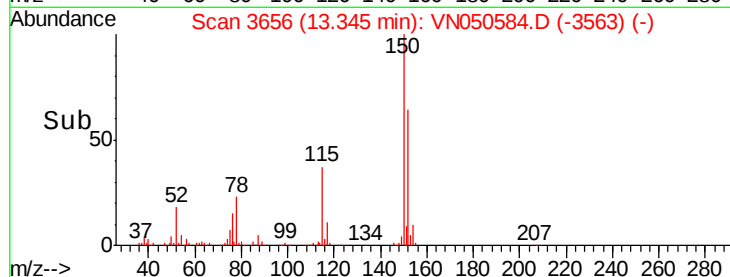
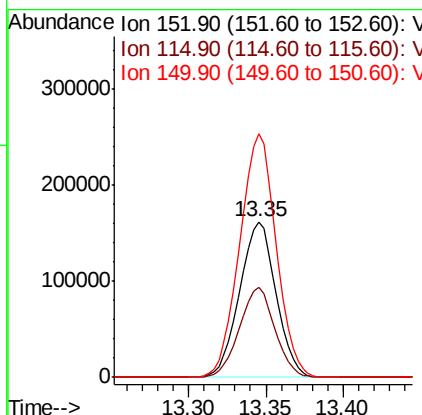
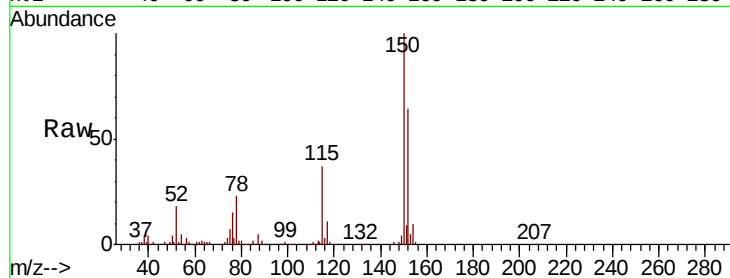
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	264108
Ion Ratio	Lower	Upper	
152	100		
115	56.4	28.1	84.2
150	157.6	0.0	347.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.02 ug/l

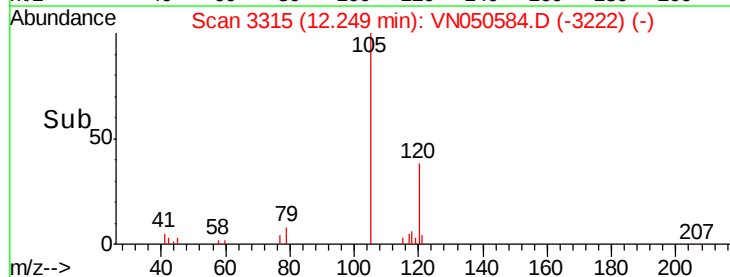
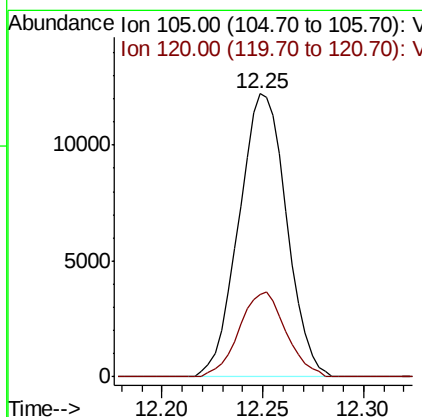
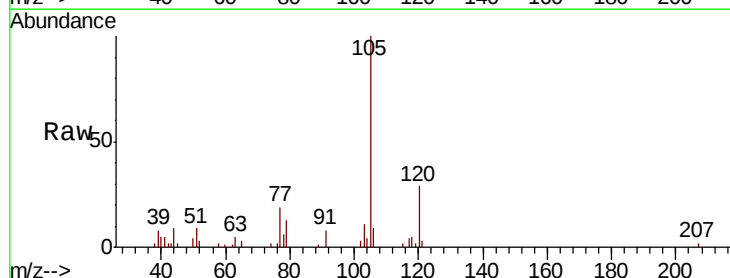
RT: 12.25 min Scan# 3315

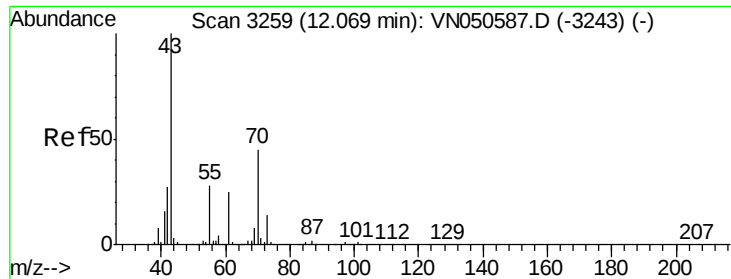
Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	105	Resp:	20276
Ion Ratio	Lower	Upper	
105	100		
120	29.3	13.4	40.1





#74

N-amvl acetate

Concen: 0.88 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

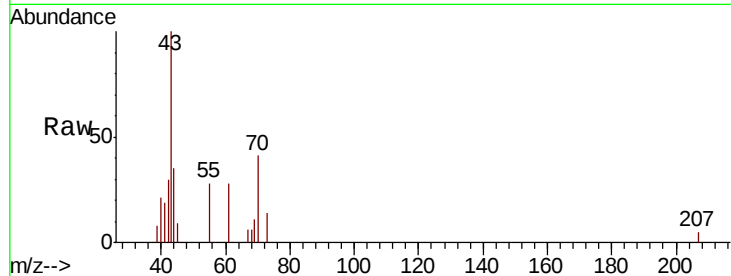
ClientSampleId :

VSTDIC001

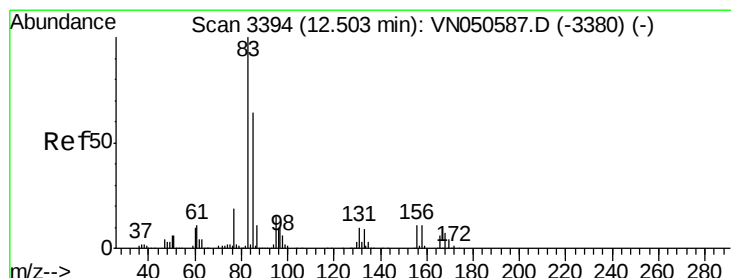
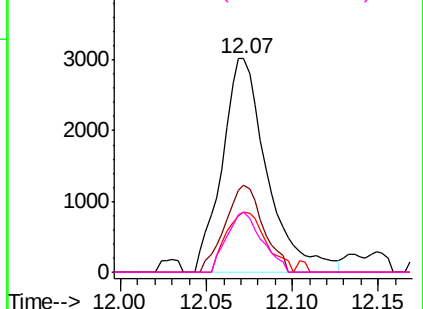
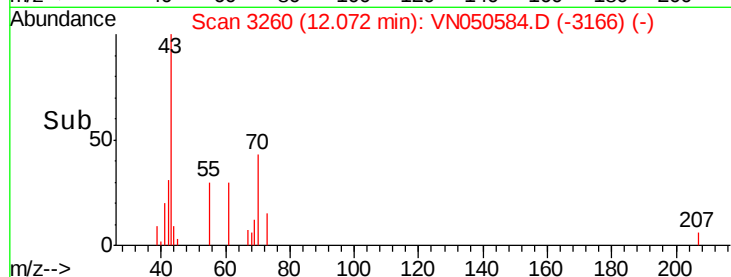
Tot Ion	Ratio	Lower	Upper
43	100		
70	34.4	35.9	53.9#
55	24.7	22.2	33.4
61	21.9	20.0	30.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.44 ug/l

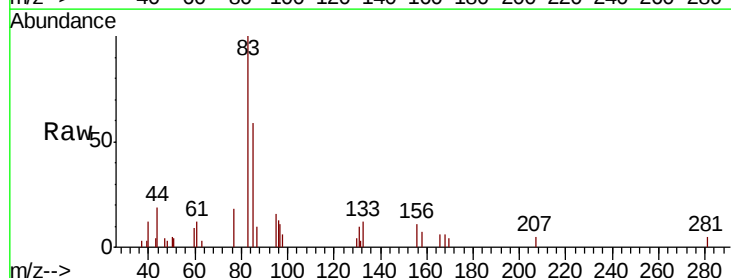
RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

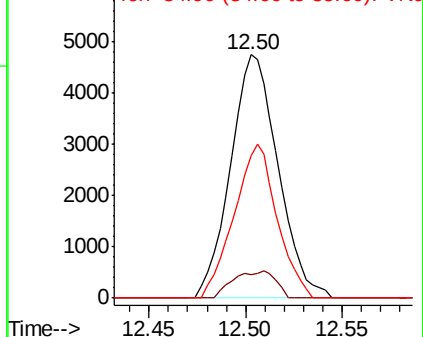
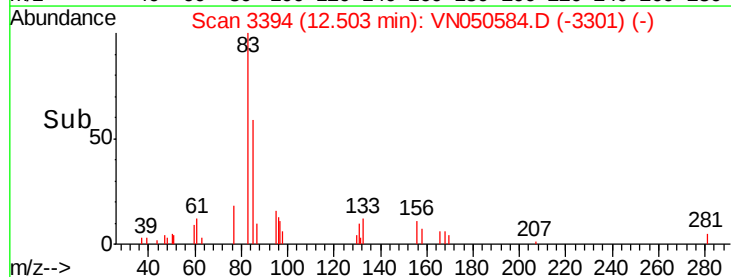
Lab File: VN050584.D

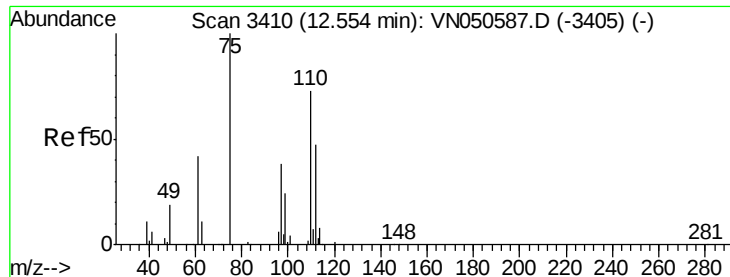
Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	15.9
85	57.0	32.1	96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0





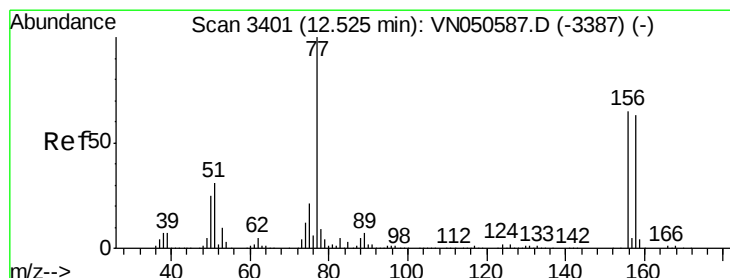
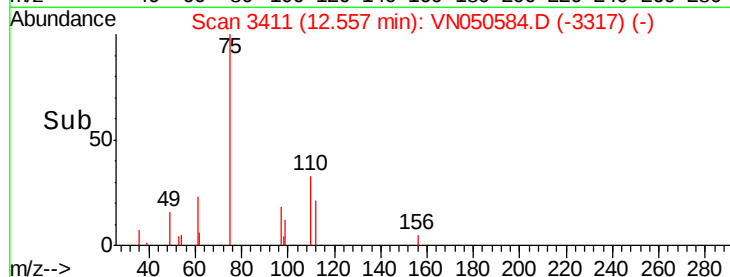
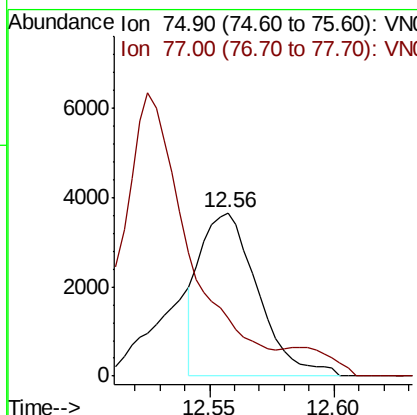
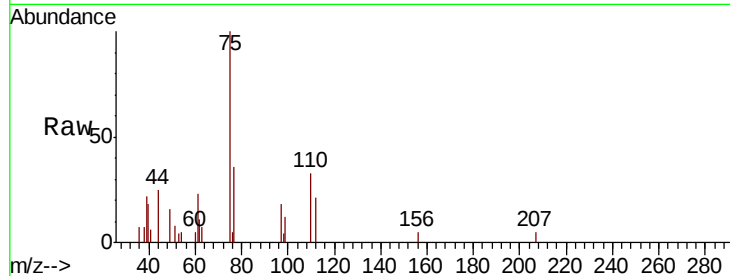
#76
 1,2,3-Trichloropropane
 Concen: 1.24 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 5896
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

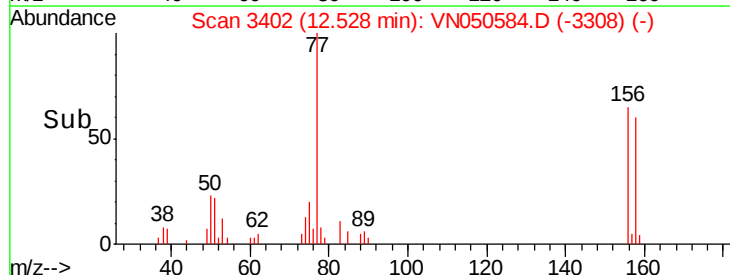
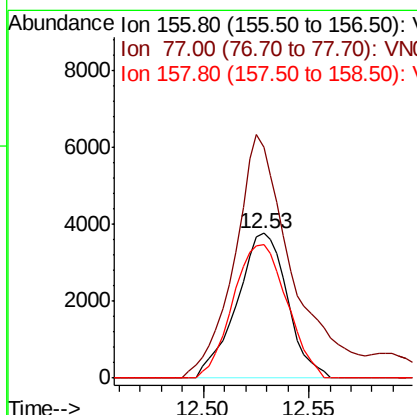
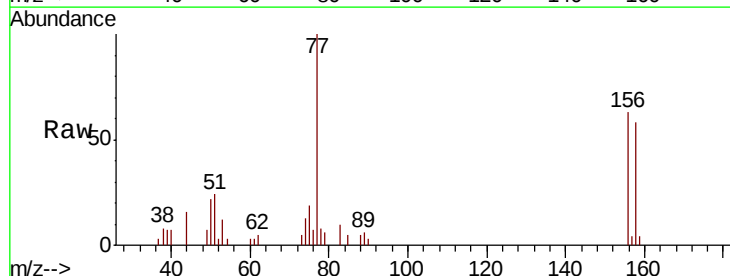
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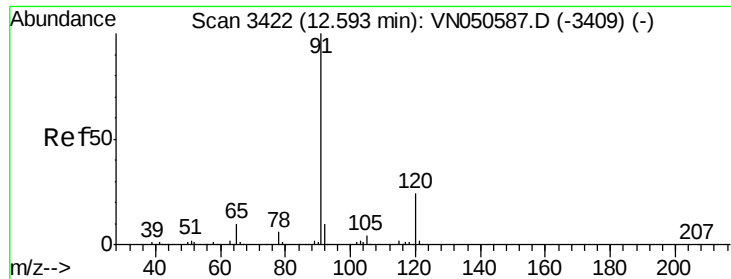
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#77
 Bromobenzene
 Concen: 1.18 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion: 156 Resp: 6279
 Ion Ratio Lower Upper
 156 100
 77 192.5 89.0 267.1
 158 98.5 48.5 145.6





#78

n-propylbenzene

Concen: 0.94 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 21167

Ion Ratio Lower Upper

91 100

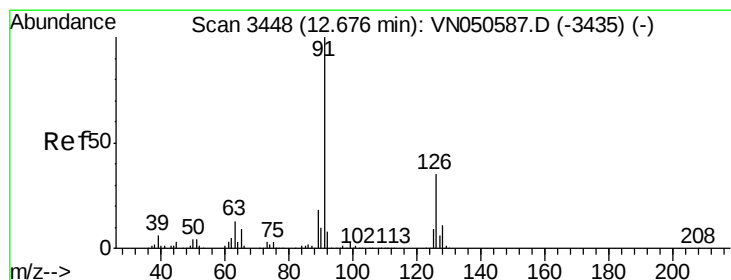
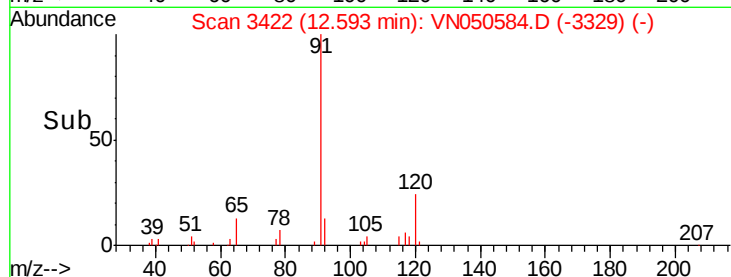
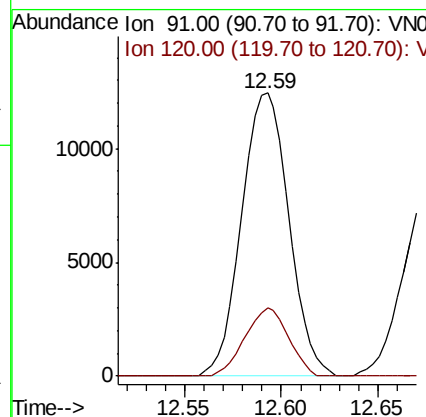
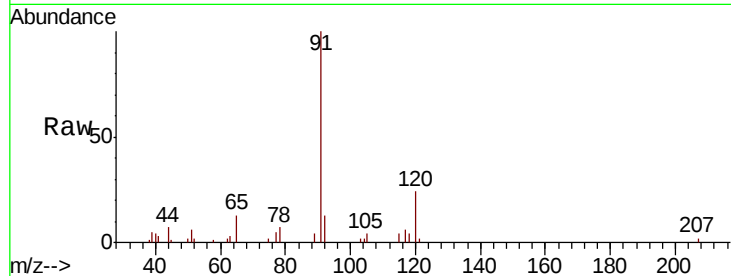
120 22.1 11.8 35.4

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.04 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050584.D

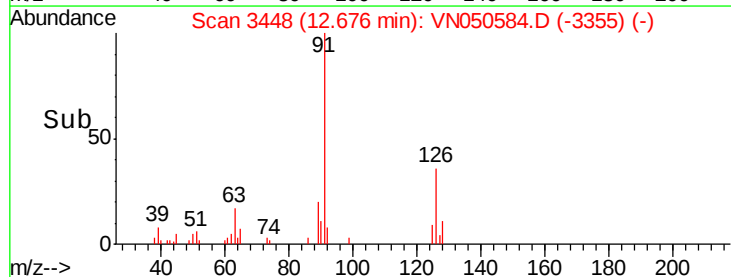
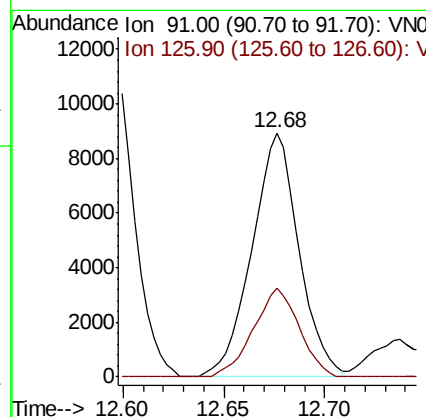
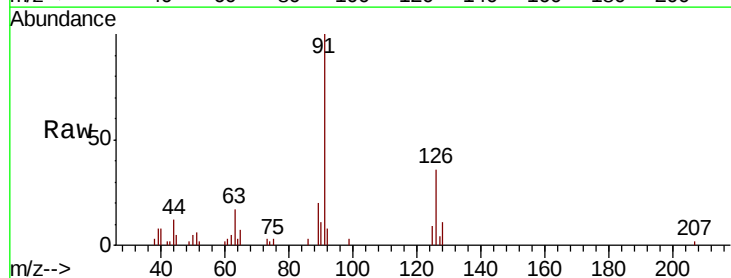
Acq: 13 Aug 2018 23:46

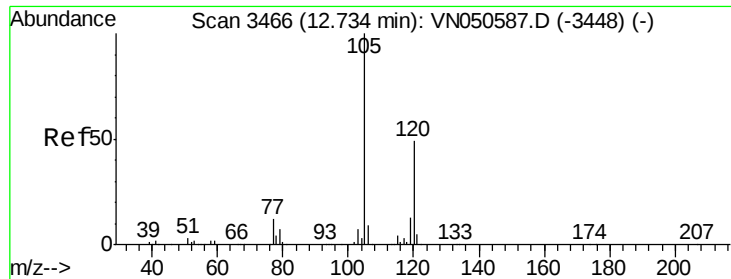
Tgt Ion: 91 Resp: 14521

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8





#80

1,3,5-Trimethylbenzene

Concen: 0.89 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 14373

Ion Ratio Lower Upper

105 100

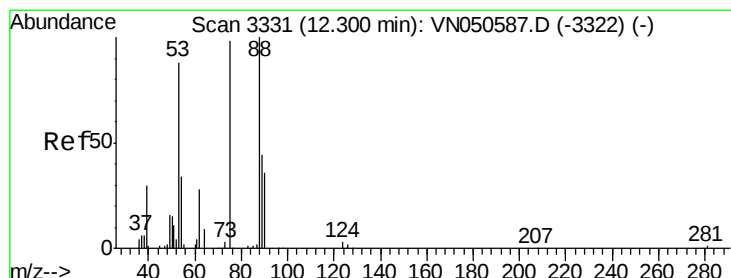
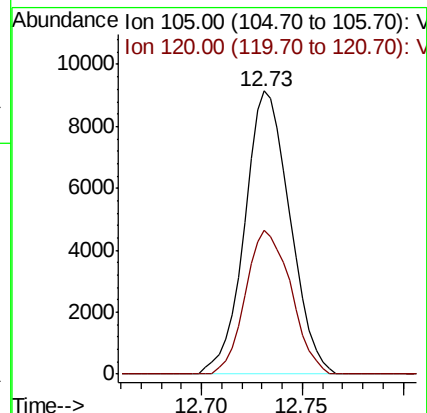
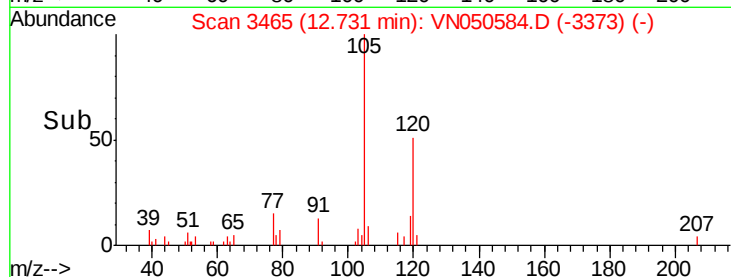
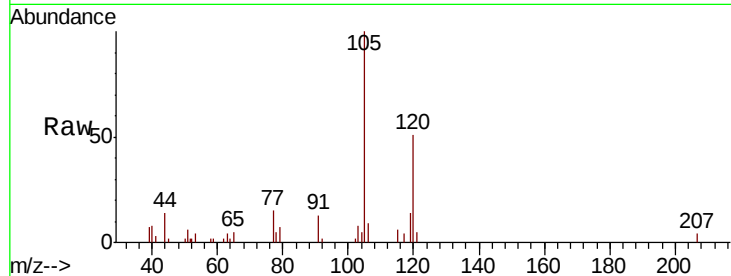
120 50.9 24.7 74.1

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.94 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.01 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

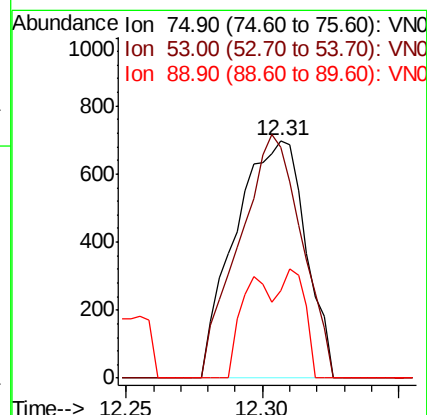
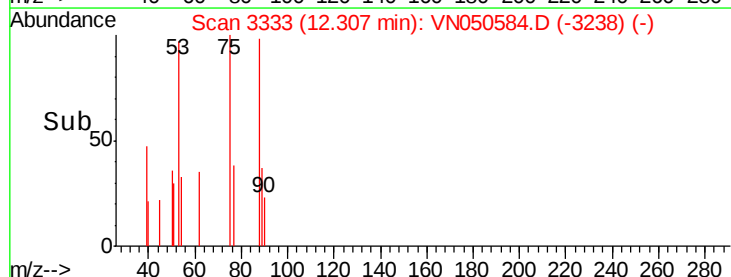
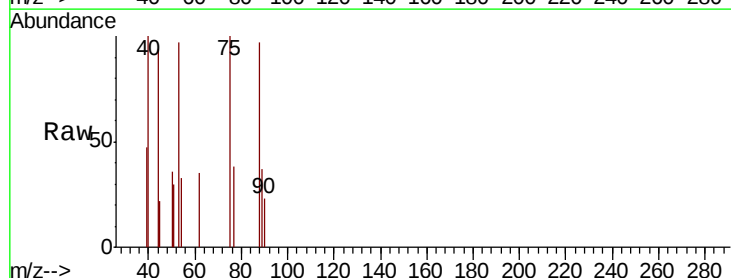
Tgt Ion: 75 Resp: 1245

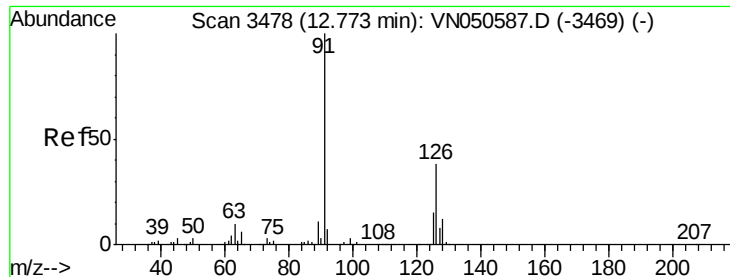
Ion Ratio Lower Upper

75 100

53 91.3 72.2 108.2

89 17.0 36.3 54.5#





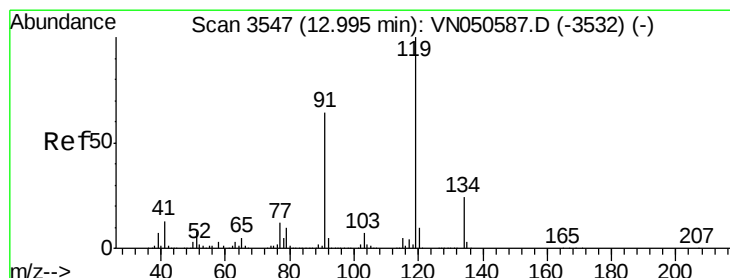
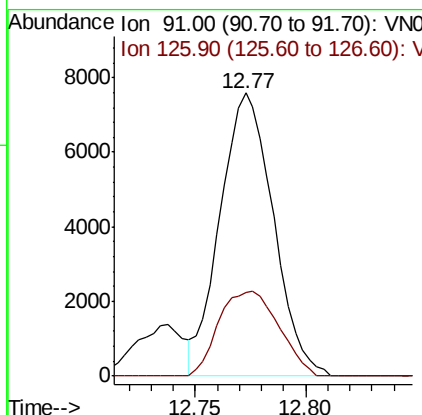
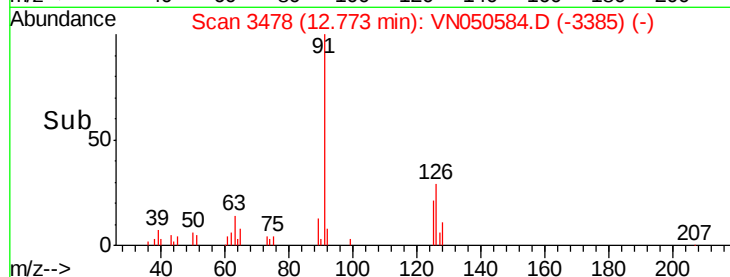
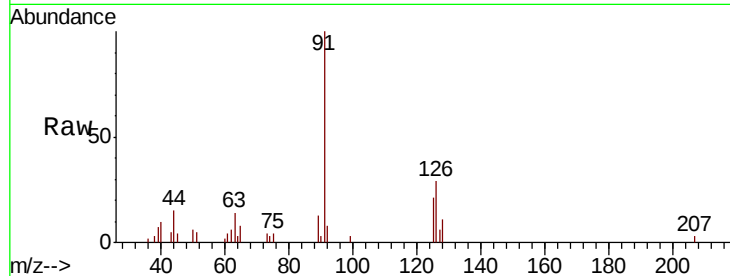
#82
4-Chlorotoluene
Concen: 0.91 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 12676
Ion Ratio Lower Upper
91 100
126 33.8 17.3 52.0

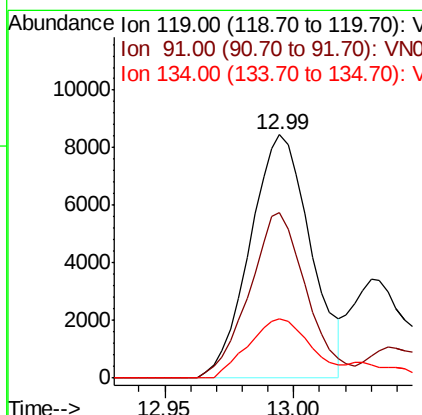
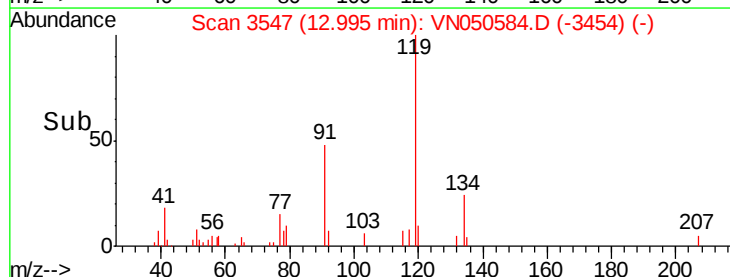
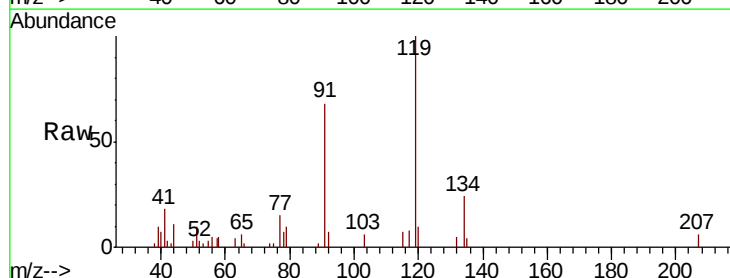
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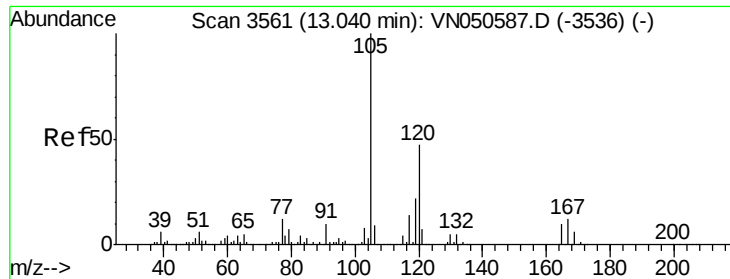
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#83
tert-Butylbenzene
Concen: 0.98 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion: 119 Resp: 13842
Ion Ratio Lower Upper
119 100
91 64.4 32.2 96.6
134 24.7 13.4 40.2





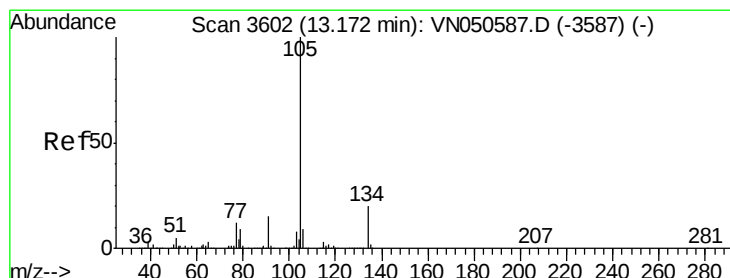
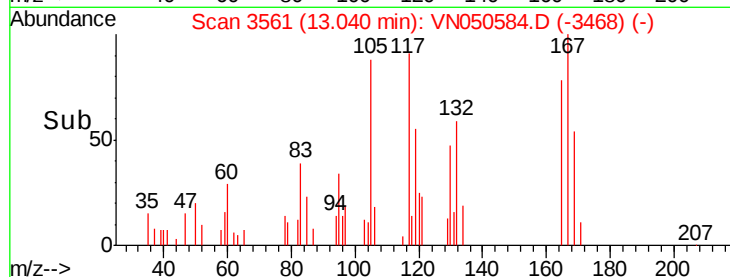
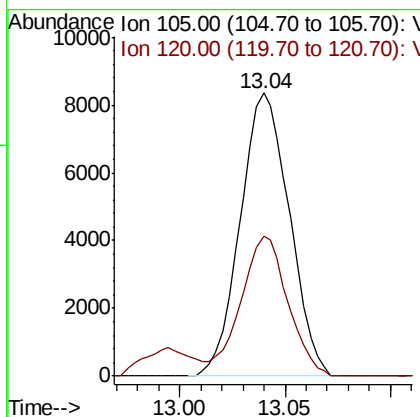
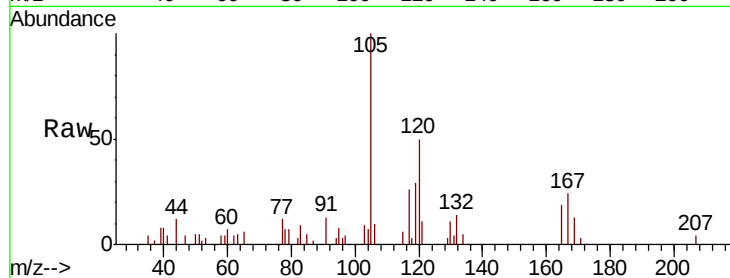
#84
 1,2,4-Trimethylbenzene
 Concen: 0.82 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 13490
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.5

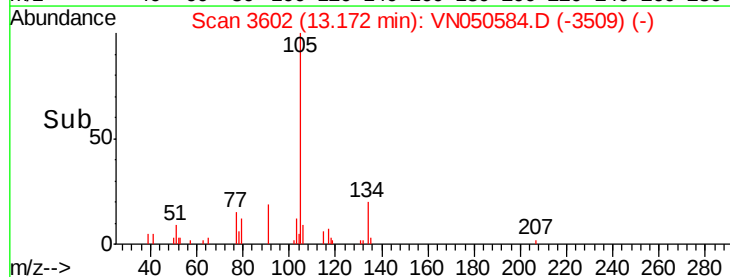
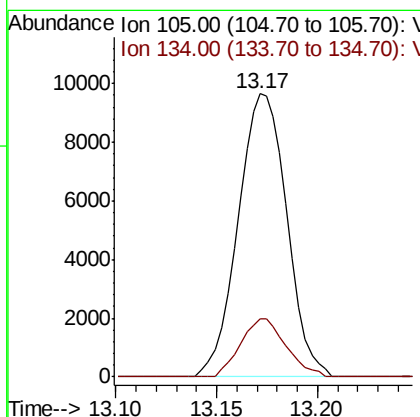
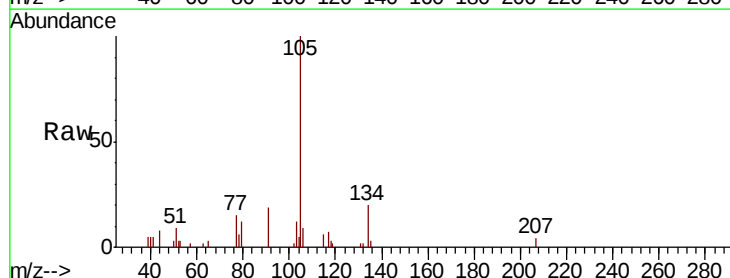
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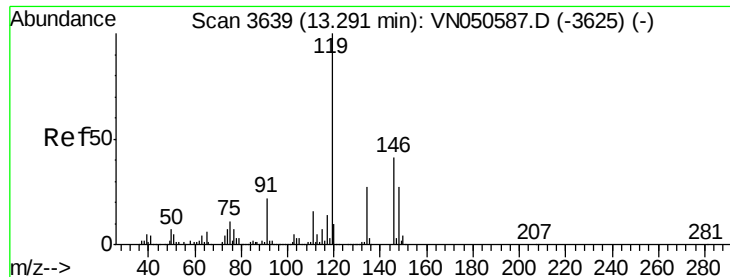
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#85
 sec-Butylbenzene
 Concen: 0.87 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion:105 Resp: 16260
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.1 30.3





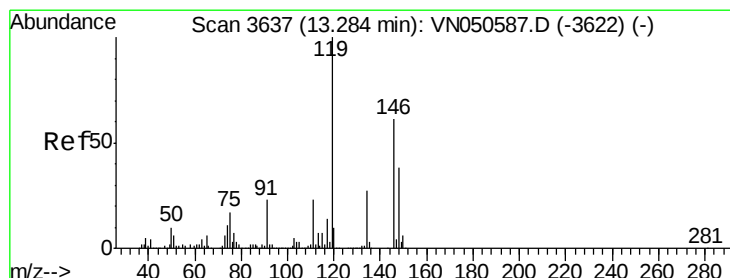
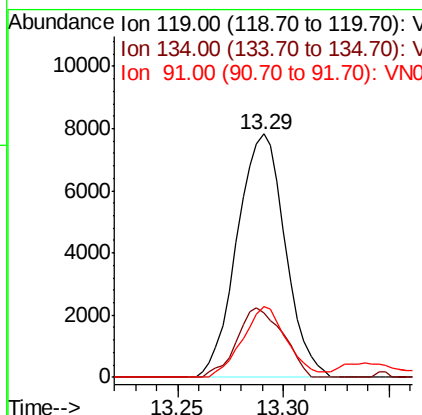
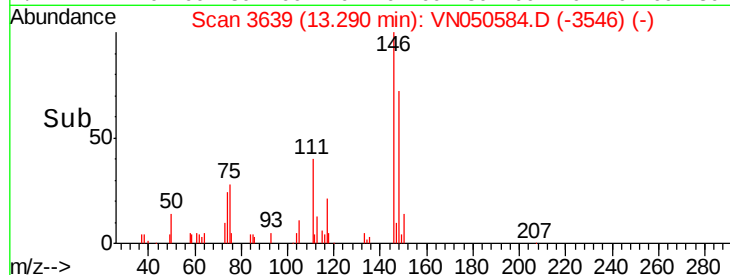
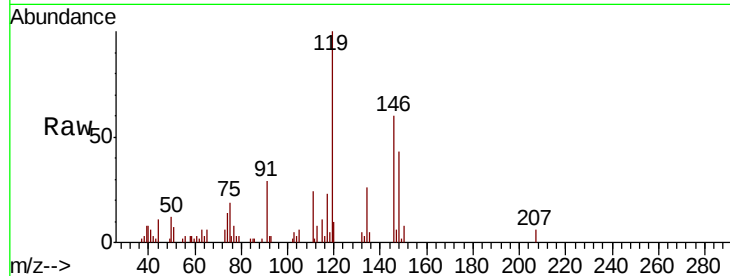
#86
p-Isopropyltoluene
Concen: 0.77 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	27.0	11.2	33.6

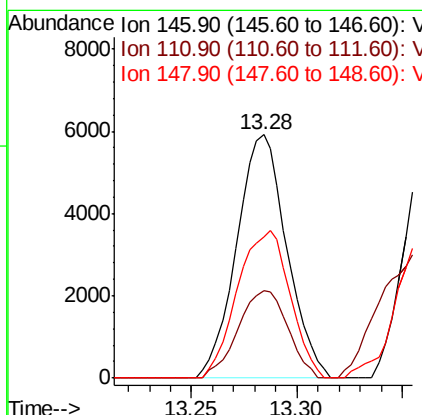
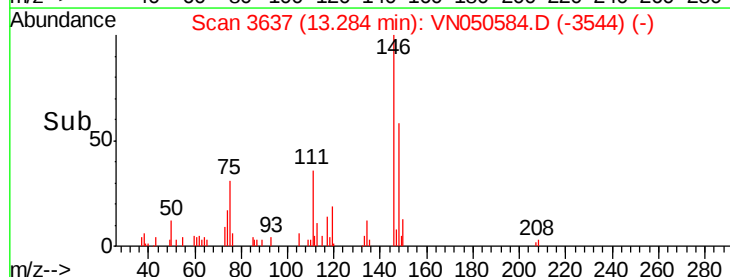
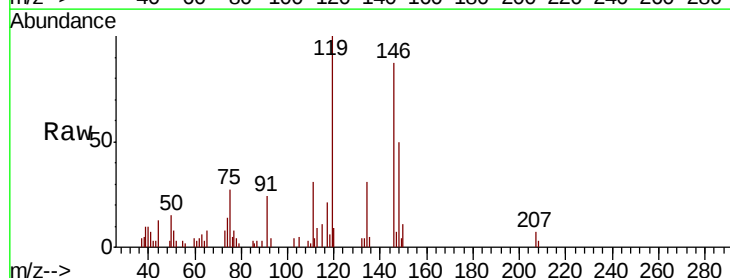
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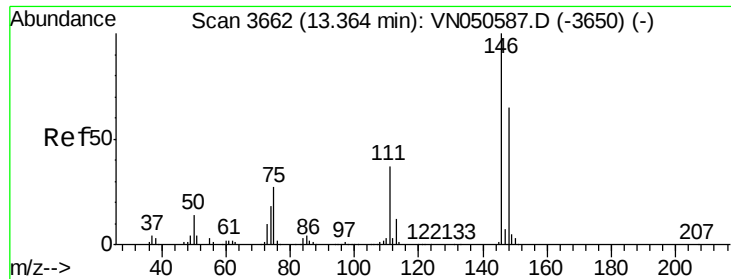
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#87
1,3-Dichlorobenzene
Concen: 1.03 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.2	57.6
148	63.5	31.9	95.7





#88

1,4-Dichlorobenzene

Concen: 1.09 ug/l m

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

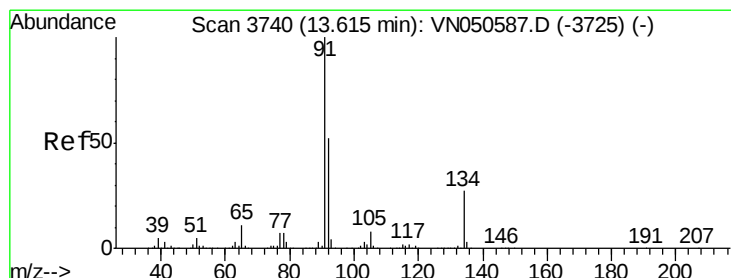
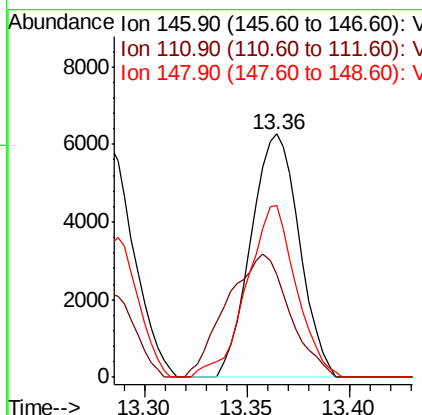
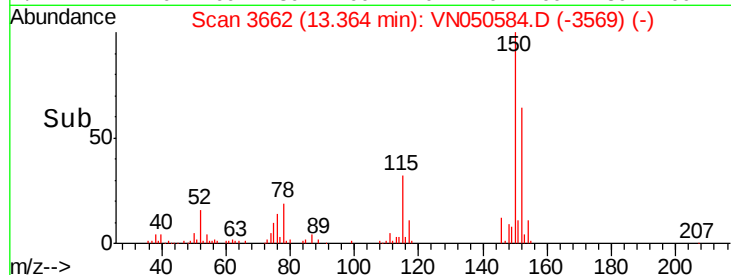
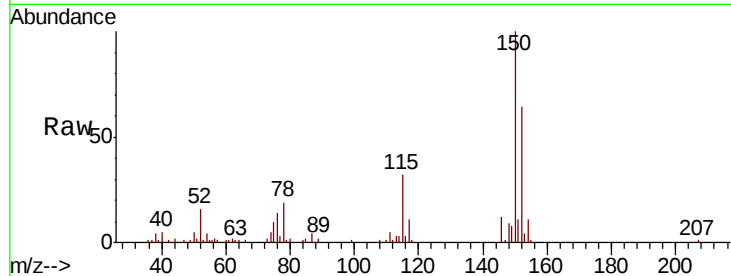
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	10266
Ion	Ratio	Lower	Upper
146	100		
111	33.8	18.8	56.4
148	60.3	32.3	96.8

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#89

n-Butylbenzene

Concen: 0.79 ug/l

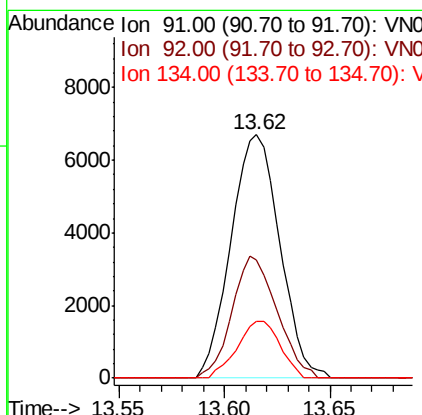
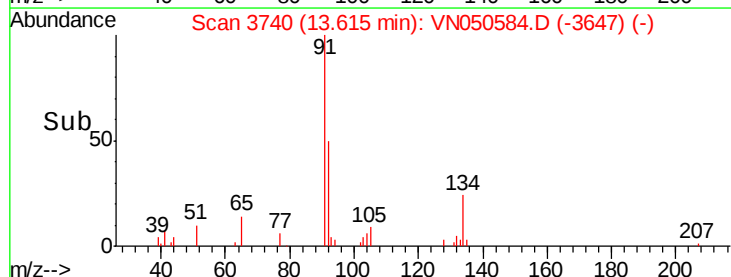
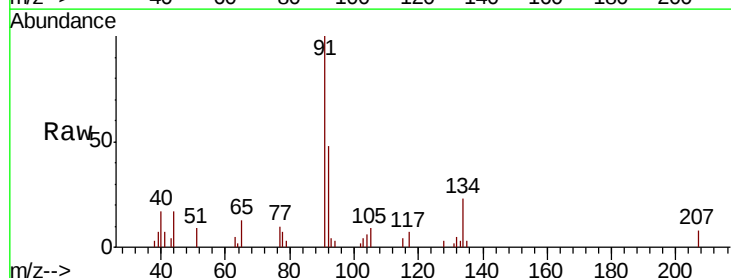
RT: 13.62 min Scan# 3740

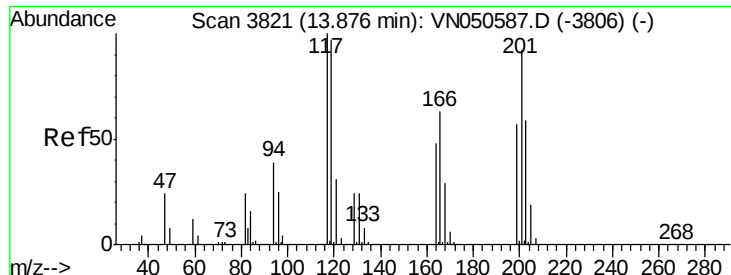
Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	91	Resp:	10778
Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.3	78.8
134	20.4	13.3	39.9





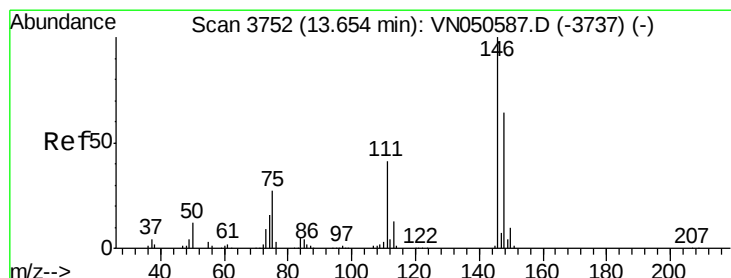
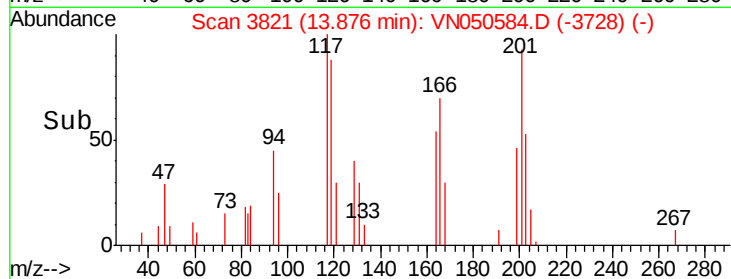
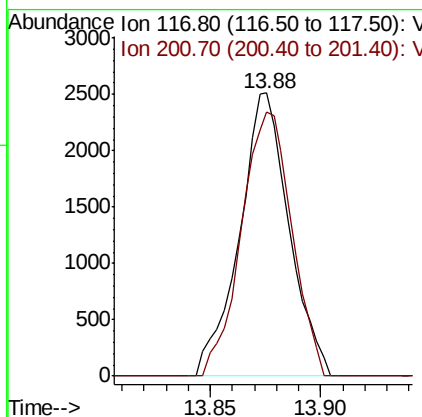
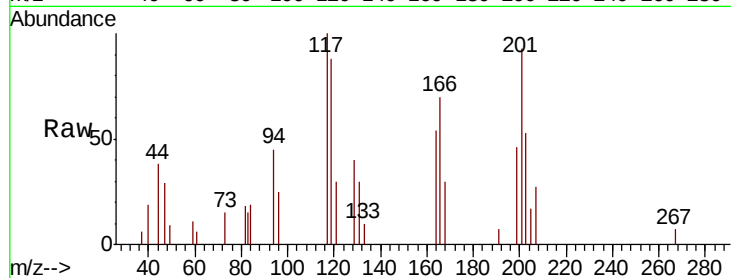
#90
Hexachloroethane
Concen: 1.36 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
201	94.6	45.5	136.5

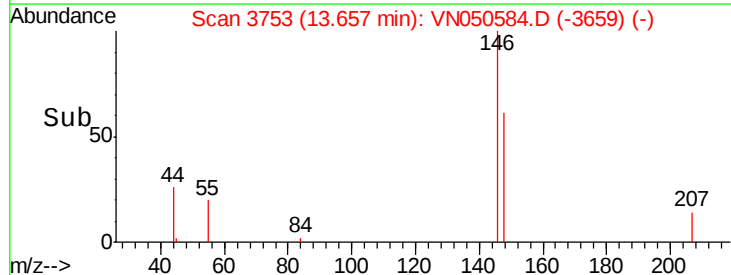
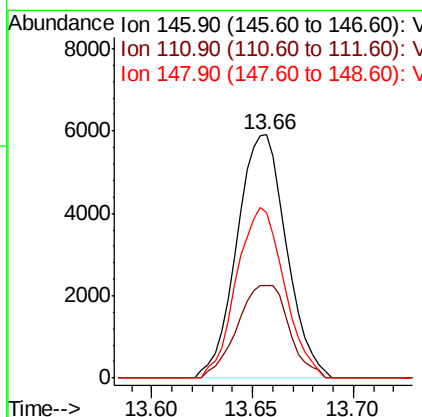
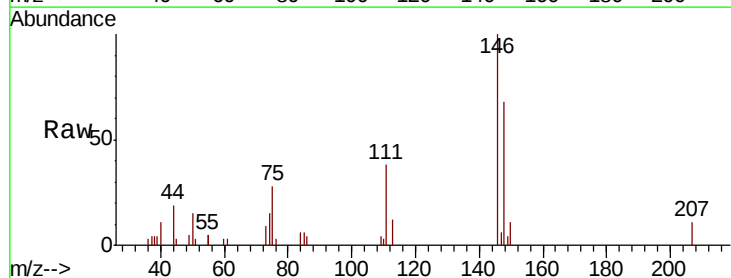
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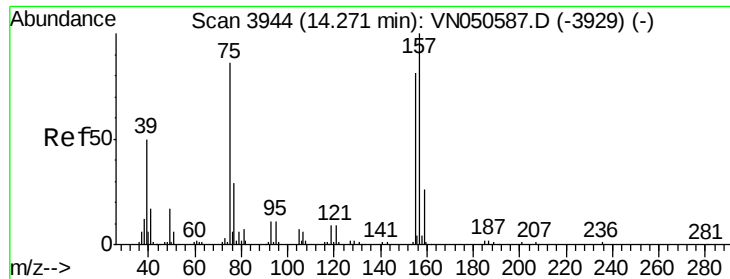
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#91
1,2-Dichlorobenzene
Concen: 1.07 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	67.5	32.3	96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.87 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

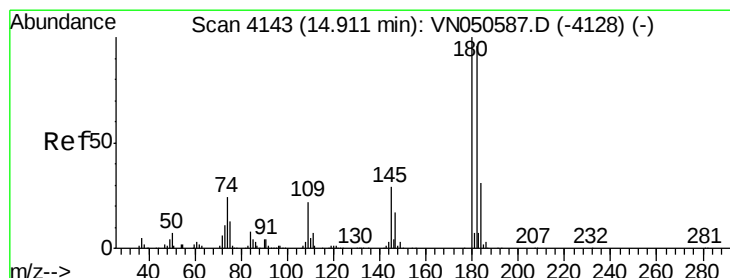
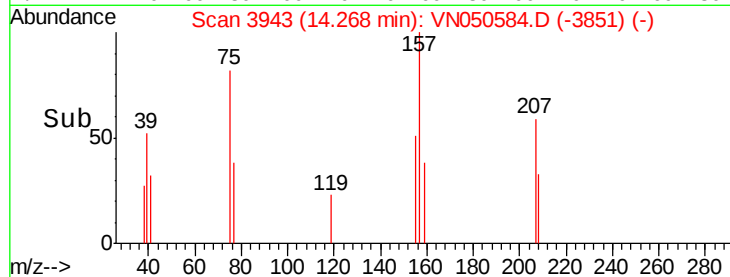
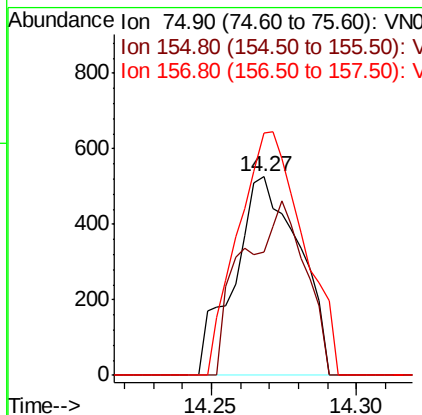
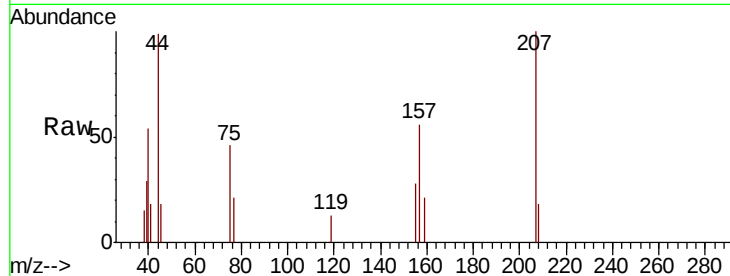
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	822
Ion	Ratio	Lower	Upper
75	100		
155	83.1	46.6	139.8
157	122.0	58.1	174.2

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#93

1,2,4-Trichlorobenzene

Concen: 0.59 ug/l

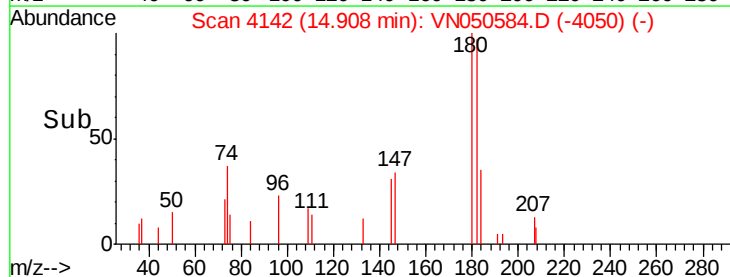
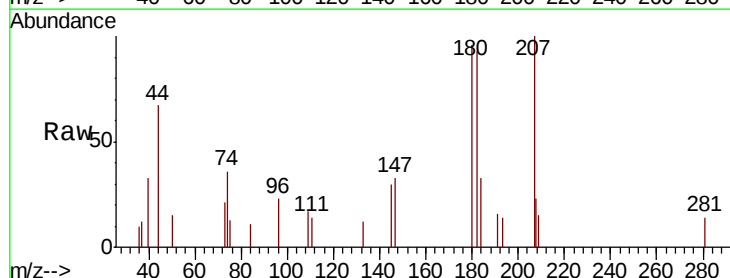
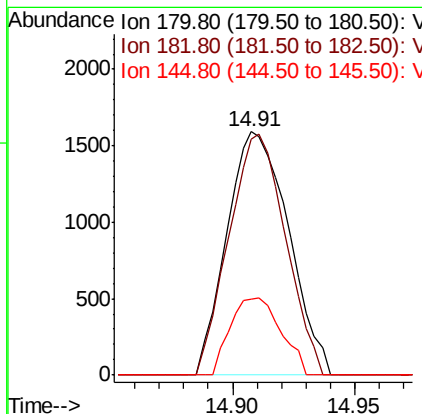
RT: 14.91 min Scan# 4142

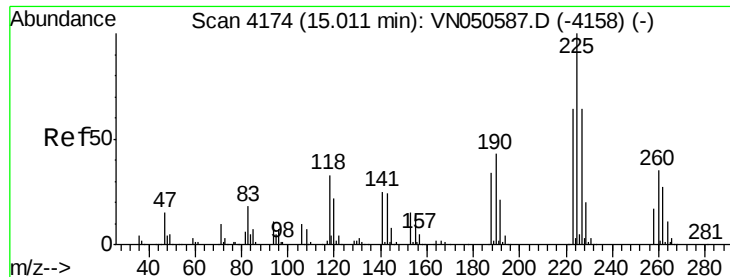
Delta R.T. -0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Tgt Ion:	180	Resp:	2789
Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.9	143.7
145	26.0	14.4	43.4





#94

Hexachlorobutadiene

Concen: 1.01 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050584.D

Acq: 13 Aug 2018 23:46

Instrument :

MSVOA_N

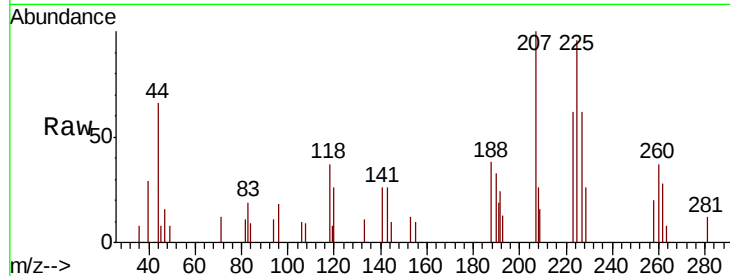
ClientSampleId :

VSTDIC001

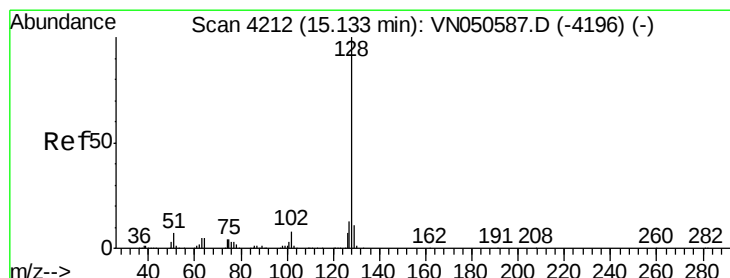
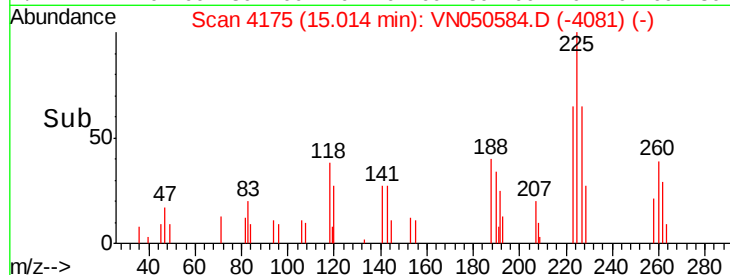
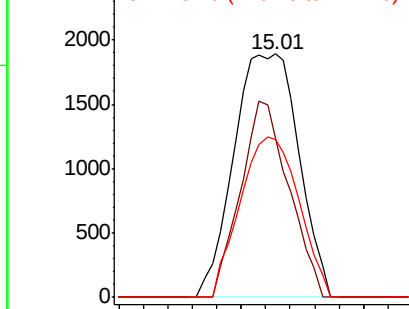
Tot Ion:	225	Resp:	3487
Ion Ratio	Lower	Upper	
225	100		
223	59.9	32.1	96.3
227	59.5	32.0	96.2

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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: 0.45 ug/l

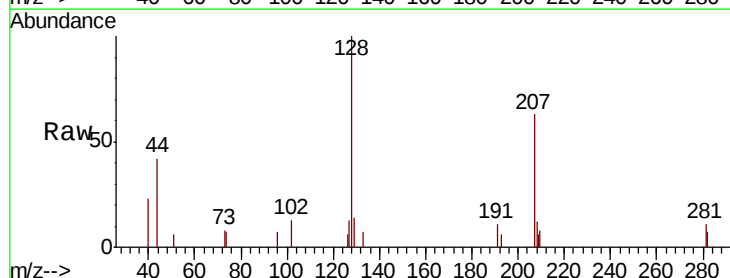
RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

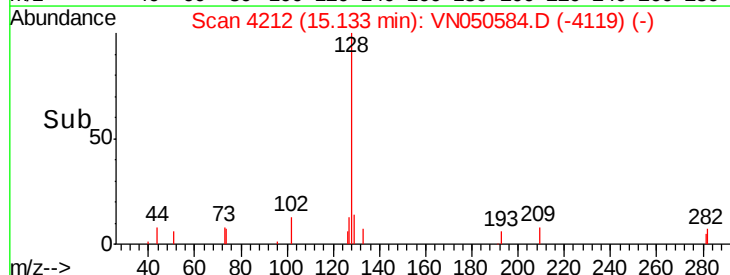
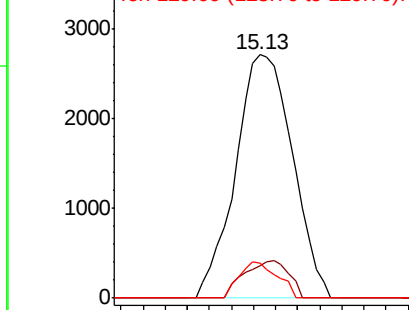
Lab File: VN050584.D

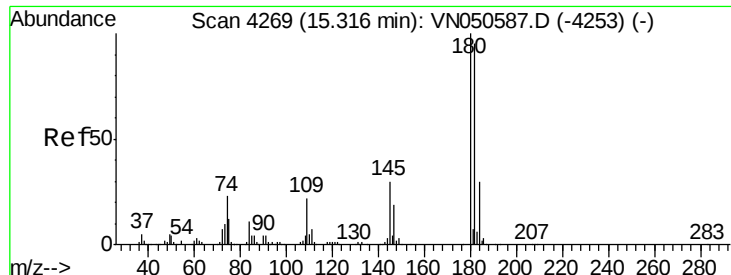
Acq: 13 Aug 2018 23:46

Tgt Ion:	128	Resp:	4852
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.3	15.5
129	10.1	8.5	12.7



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: 0.64 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.3	141.8
145	30.3	14.6	44.0

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