

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053925.D
 Acq On : 25 Feb 2019 13:03
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:06 AM

Quant Time: Feb 28 04:18:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	640957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	913597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	432589	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	366324	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	7.59	113	324863	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	1220466	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	406287	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	289735	49.117	ug/l	98
3) Chloromethane	2.06	50	394925	48.266	ug/l	99
4) Vinyl Chloride	2.19	62	396398	48.352	ug/l	99
5) Bromomethane	2.57	94	245993	45.307	ug/l	99
6) Chloroethane	2.71	64	238401	46.758	ug/l	99
7) Trichlorofluoromethane	3.02	101	497568	47.508	ug/l	100
8) Diethyl Ether	3.41	74	193757	49.379	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	312382	47.225	ug/l	95
10) Methyl Iodide	3.95	142	444876	51.184	ug/l	98
11) Tert butyl alcohol	4.78	59	126251	265.062	ug/l	99
12) 1,1-Dichloroethene	3.74	96	306983	48.518	ug/l	93
13) Acrolein	3.61	56	100045	202.873	ug/l	96
14) Allyl chloride	4.33	41	552880	49.821	ug/l	95
15) Acrylonitrile	4.99	53	648773	258.437	ug/l	99
16) Acetone	3.81	43	539595	244.905	ug/l	96
17) Carbon Disulfide	4.06	76	965935	47.322	ug/l	99
18) Methyl Acetate	4.32	43	259266	49.349	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	873136	51.442	ug/l	98
20) Methylene Chloride	4.55	84	353324	47.514	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	334981	48.915	ug/l	94
22) Diisopropyl ether	5.95	45	1096696	51.225	ug/l	98
23) Vinyl Acetate	5.90	43	4045638	262.680	ug/l	96
24) 1,1-Dichloroethane	5.85	63	639151	48.682	ug/l	98
25) 2-Butanone	6.83	43	772565	261.873	ug/l	96
26) 2,2-Dichloropropane	6.82	77	458780	49.185	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	377213	49.529	ug/l	95
28) Bromochloromethane	7.19	49	307043	51.093	ug/l	84
29) Tetrahydrofuran	7.21	42	512763	261.001	ug/l	93
30) Chloroform	7.37	83	623043	48.941	ug/l	99
31) Cyclohexane	7.65	56	592525	42.383	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	519174	49.460	ug/l	97
36) 1,1-Dichloropropene	7.79	75	472558	49.590	ug/l	98
37) Ethyl Acetate	6.93	43	334452	49.154	ug/l	97
38) Carbon Tetrachloride	7.77	117	455946	46.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	565291	49.217	ug/l	95
40) Benzene	8.04	78	1450294	49.541	ug/l	100
41) Methacrylonitrile	7.19	41	241690m	55.163	ug/l	
42) 1,2-Dichloroethane	8.12	62	448760	49.514	ug/l	98
43) Isopropyl Acetate	8.16	43	571183	49.718	ug/l #	90
44) Trichloroethene	8.84	130	383683	49.437	ug/l	99
45) 1,2-Dichloropropane	9.12	63	387754	49.095	ug/l	99
46) Dibromomethane	9.21	93	229225	49.992	ug/l	93
47) Bromodichloromethane	9.40	83	478040	49.470	ug/l	99
48) Methyl methacrylate	9.20	41	273996	51.850	ug/l	96
49) 1,4-Dioxane	9.20	88	79660	1112.988	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	1601994	271.360	ug/l	96
52) Toluene	10.16	92	875640	50.798	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	485696	51.658	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	565124	50.985	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	321736	49.977	ug/l	99
56) Ethyl methacrylate	10.43	69	412260	54.735	ug/l	93
57) 1,3-Dichloropropane	10.71	76	549565	50.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	941775	283.168	ug/l	97
59) 2-Hexanone	10.75	43	1049062	273.224	ug/l	94
60) Dibromochloromethane	10.90	129	360667	50.411	ug/l	99
61) 1,2-Dibromoethane	11.01	107	313963	50.557	ug/l	99
64) Tetrachloroethene	10.63	164	370884	47.942	ug/l	98
65) Chlorobenzene	11.43	112	942396	48.876	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	344705	49.605	ug/l	100
67) Ethyl Benzene	11.51	91	1618046	50.058	ug/l	99
68) m/p-Xylenes	11.62	106	1236946	101.392	ug/l	97
69) o-Xylene	11.95	106	594092	49.561	ug/l	98
70) Styrene	11.96	104	977392	53.011	ug/l	99
71) Bromoform	12.13	173	249117	51.531	ug/l #	99
73) Isopropylbenzene	12.25	105	1558601	46.285	ug/l	99
74) N-amyl acetate	12.07	43	452760	51.299	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	390725	46.400	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	328680m	47.364	ug/l	
77) Bromobenzene	12.53	156	403369	47.180	ug/l	92
78) n-propylbenzene	12.59	91	1840993	48.072	ug/l	98
79) 2-Chlorotoluene	12.68	91	1078744	46.891	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1337347	48.511	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	109262	49.764	ug/l	94
82) 4-Chlorotoluene	12.77	91	1100071	48.382	ug/l	97
83) tert-Butylbenzene	12.99	119	1161772	47.648	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1364337	49.572	ug/l	98
85) sec-Butylbenzene	13.17	105	1582681	47.526	ug/l	99
86) p-Isopropyltoluene	13.29	119	1372088	48.738	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	711420	48.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	698979	48.713	ug/l	99
89) n-Butylbenzene	13.62	91	1194524	50.347	ug/l	99
90) Hexachloroethane	13.88	117	247445	45.358	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	694808	48.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57912	48.666	ug/l	94

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ClientSampleId :
VSTDICCC050

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Feb 28 02:58:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	381834	56.184	ug/l	99
94) Hexachlorobutadiene	15.01	225	239745	46.358	ug/l	99
95) Naphthalene	15.13	128	815698	57.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	374579	54.891	ug/l	99

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

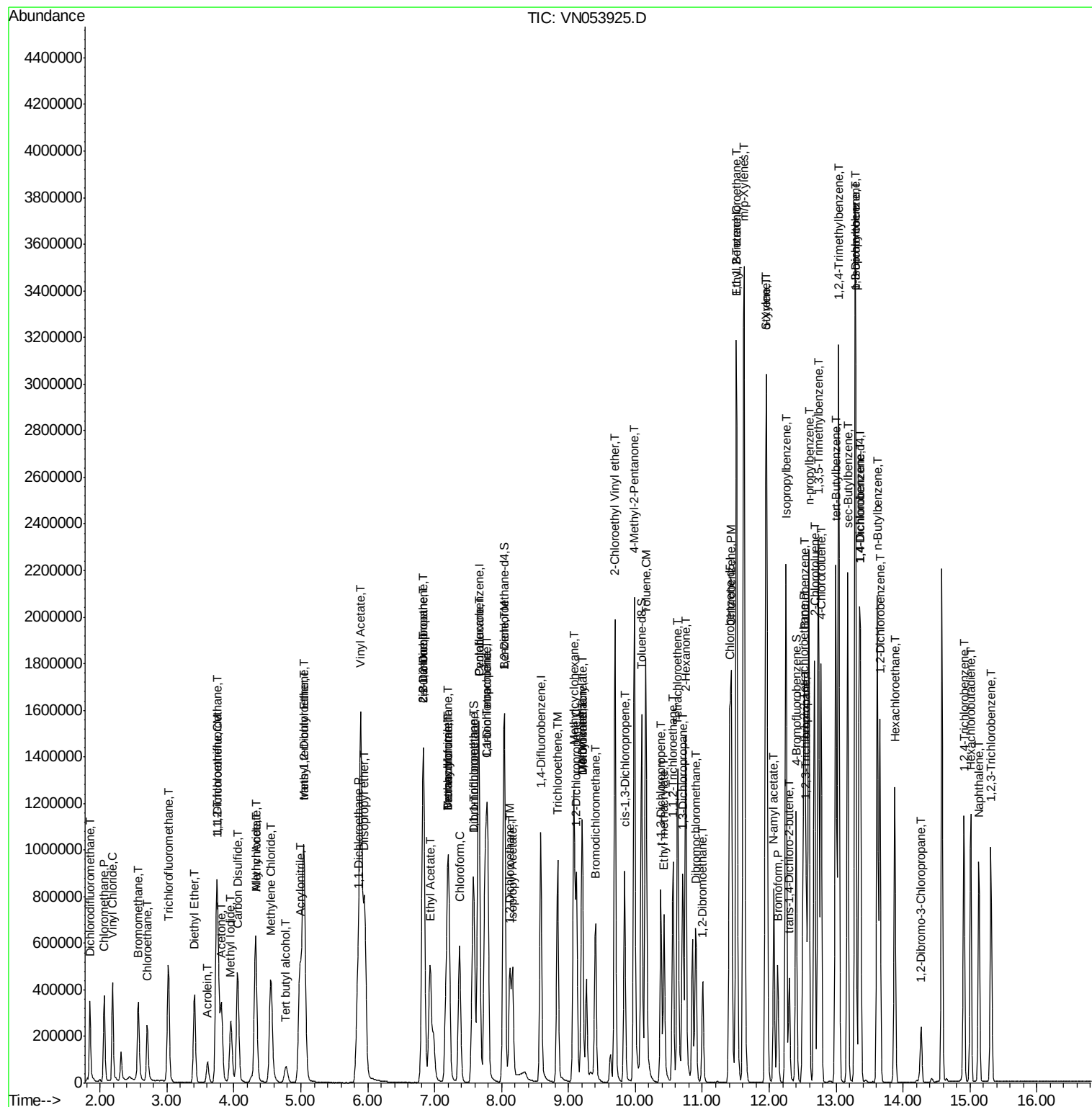
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Data File : VN053925.D
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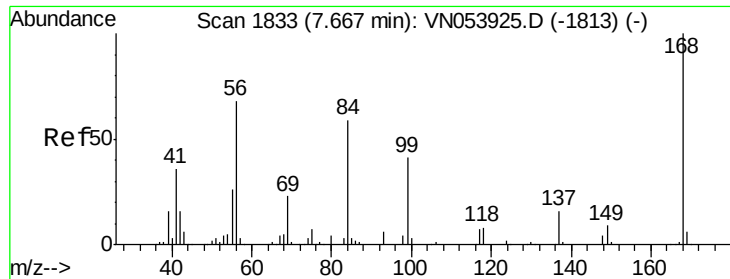
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 640957

Ion Ratio Lower Upper

168 100

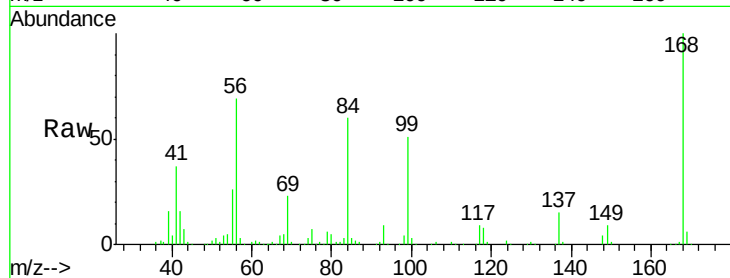
99 49.7 36.9 55.3

Manual Integrations

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2/28/2019 10:48:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

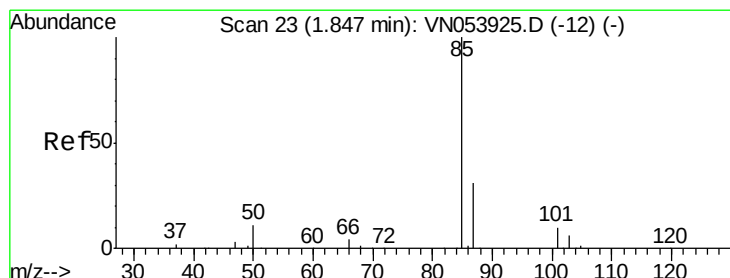
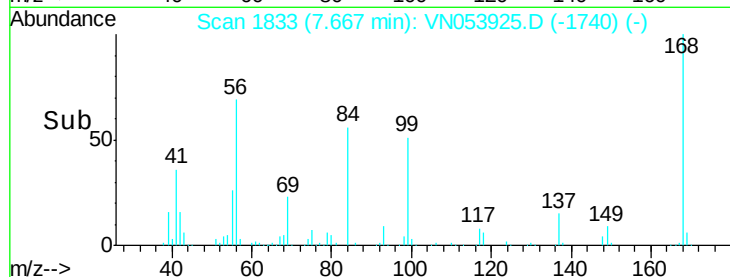
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.117 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053925.D

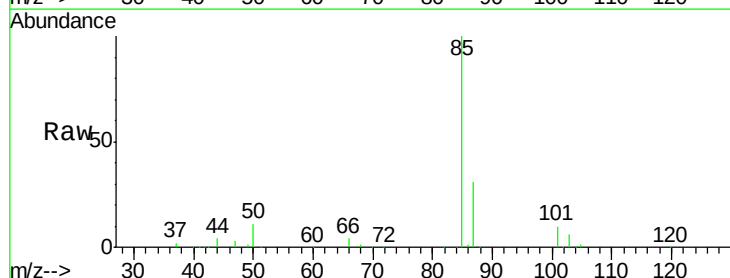
Acq: 25 Feb 2019 13:03

Tgt Ion: 85 Resp: 289735

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

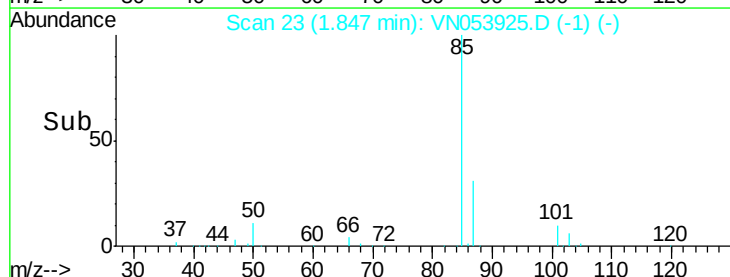
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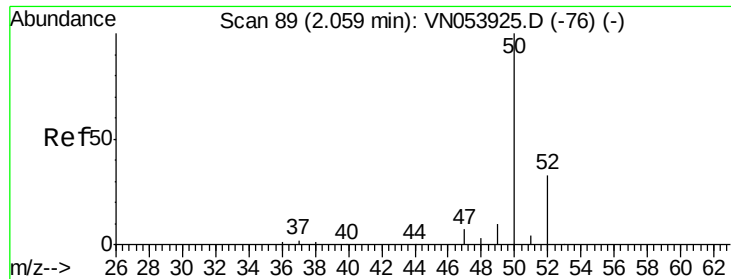
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0

1.80 1.90 2.00

Time-->





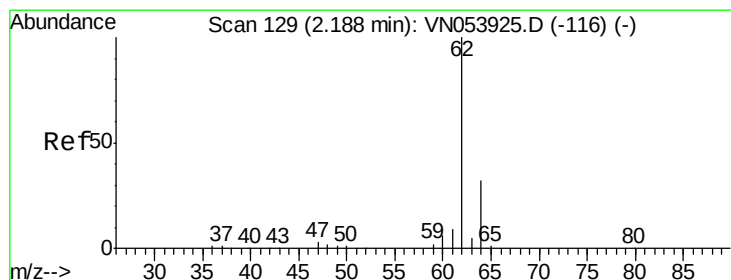
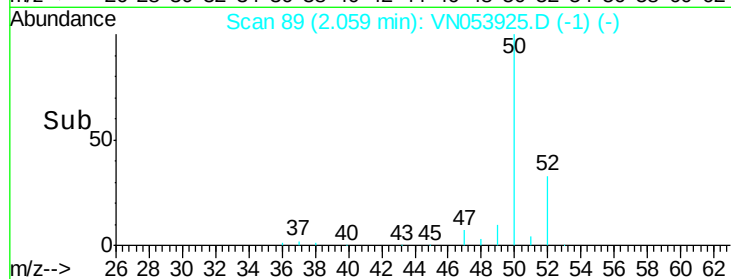
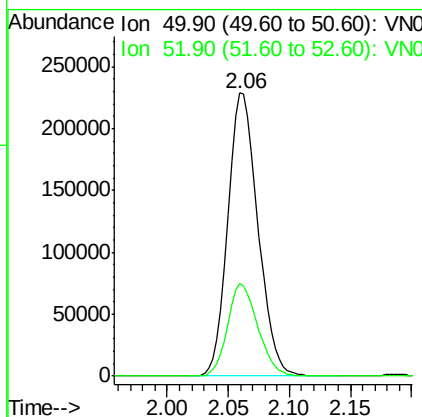
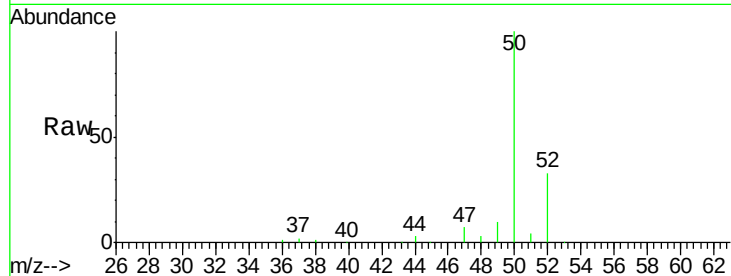
#3
Chloromethane
Concen: 48.266 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.0	39.0

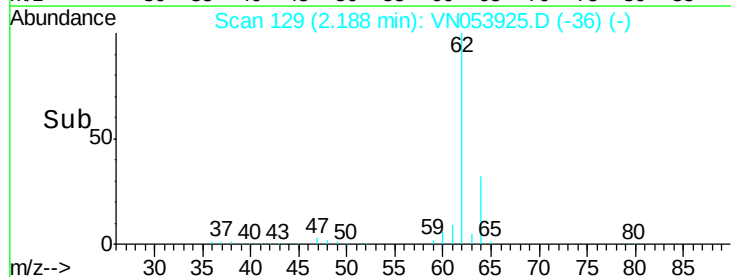
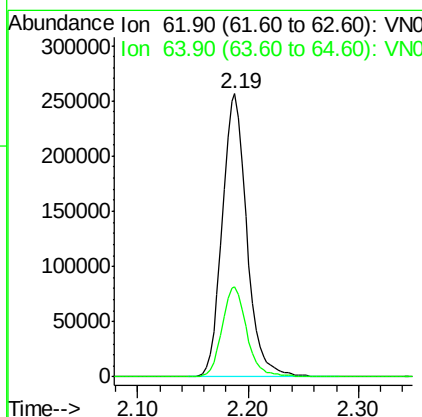
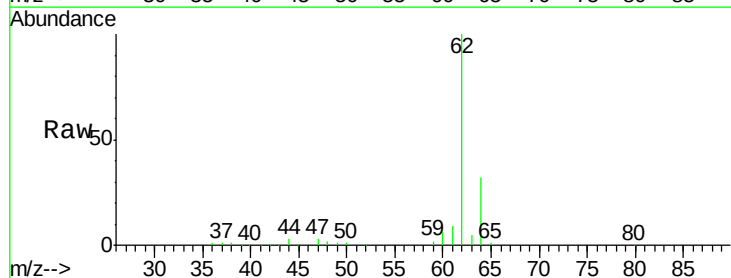
Manual Integrations
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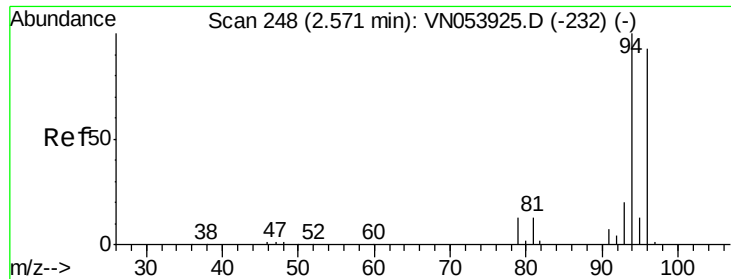
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2/28/2019 10:48:06 AM



#4
Vinyl Chloride
Concen: 48.352 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.1	37.7





#5

Bromomethane

Concen: 45.307 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 245993

Ion Ratio Lower Upper

94 100

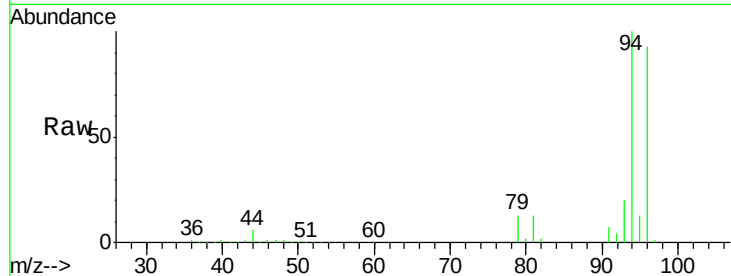
96 92.6 74.9 112.3

Manual Integrations

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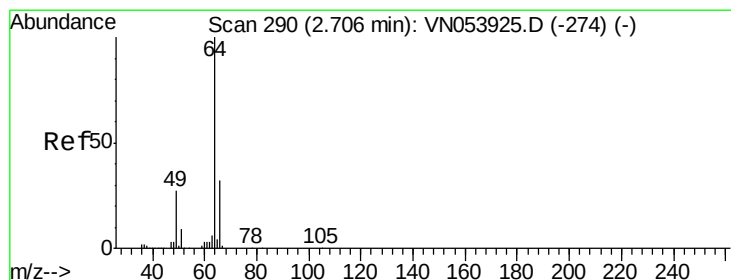
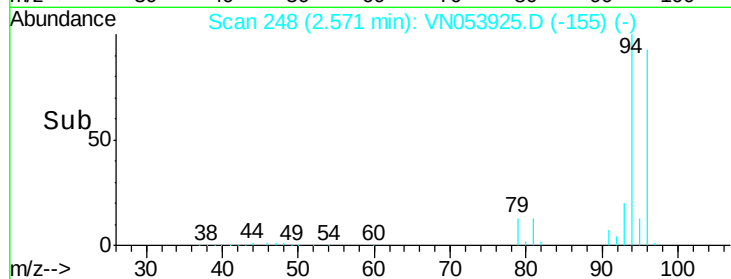
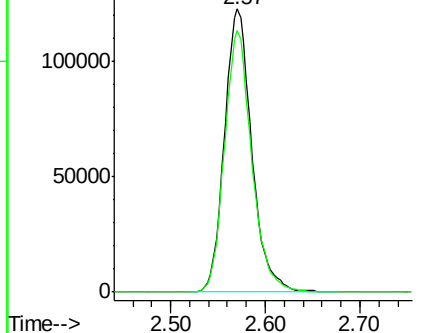
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.758 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053925.D

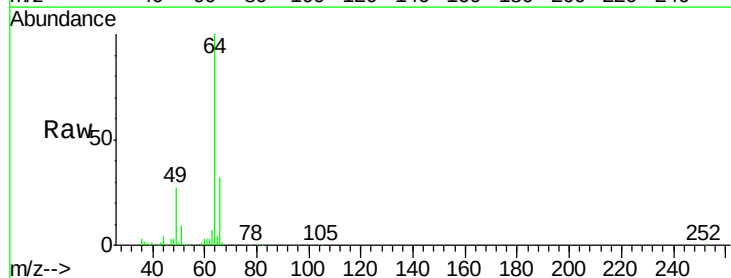
Acq: 25 Feb 2019 13:03

Tgt Ion: 64 Resp: 238401

Ion Ratio Lower Upper

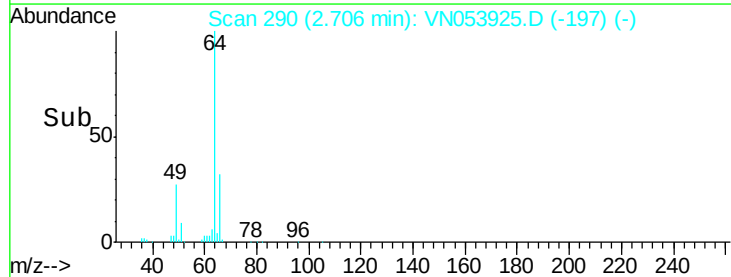
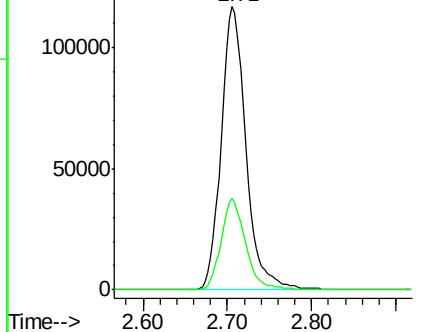
64 100

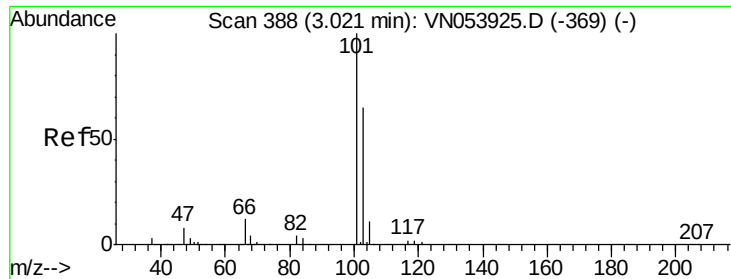
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

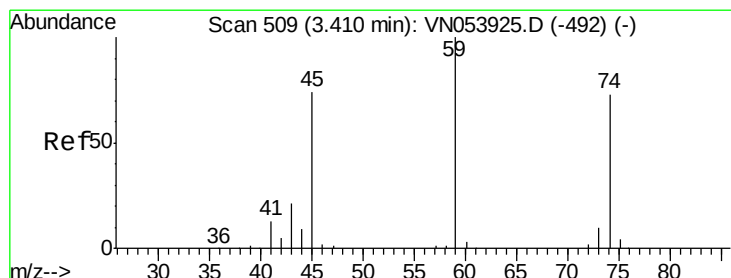
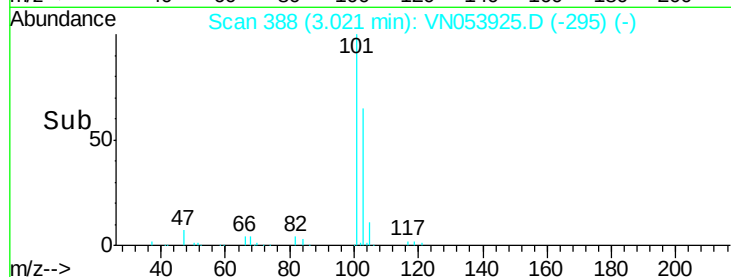
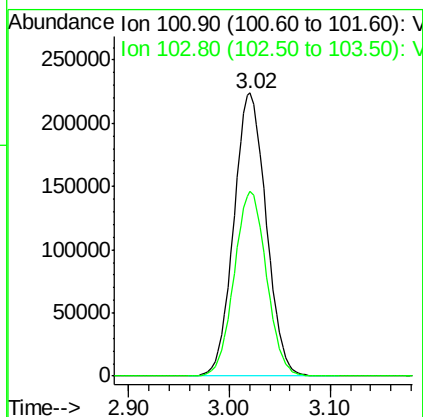
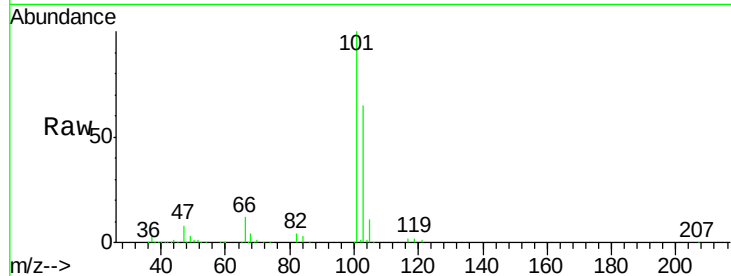
Trichlorofluoromethane
Concen: 47.508 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
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ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9

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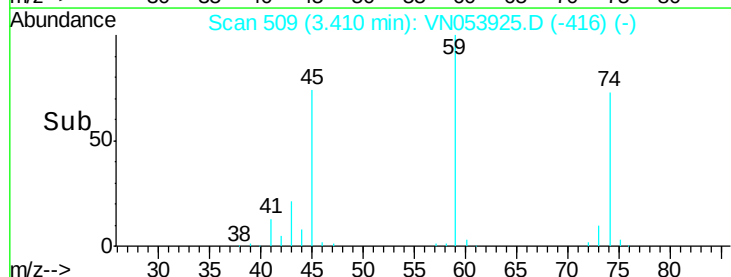
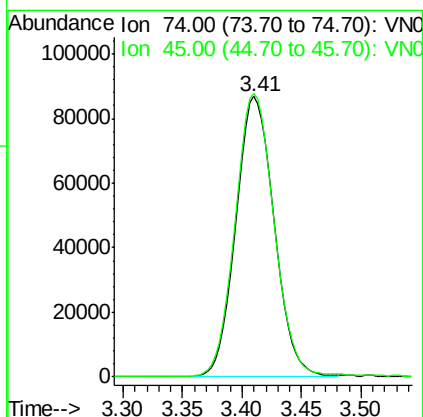
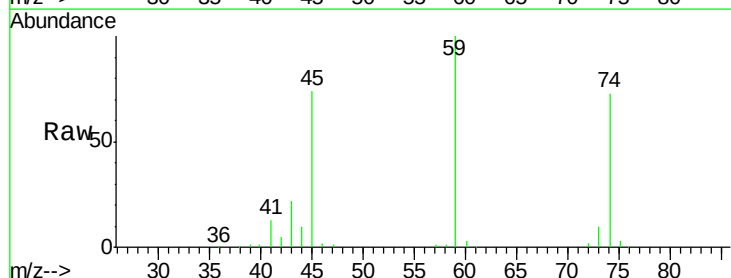
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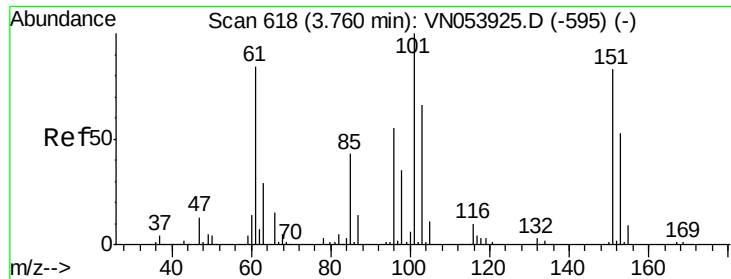


#8

Diethyl Ether
Concen: 49.379 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.225 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

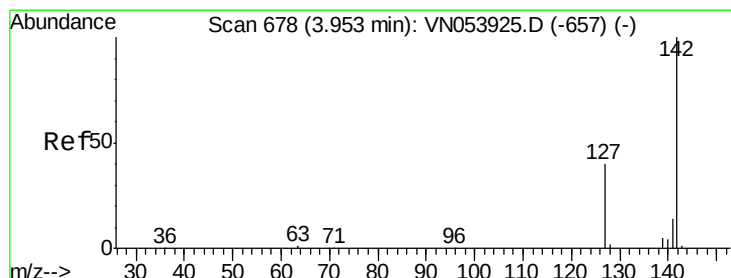
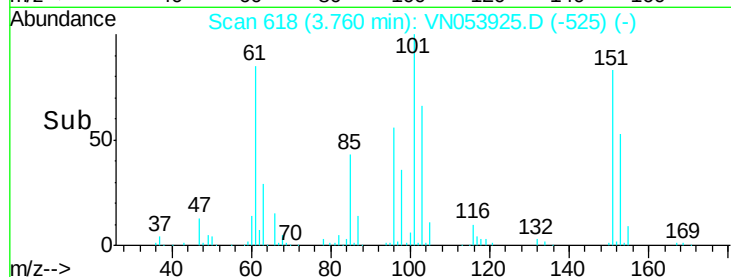
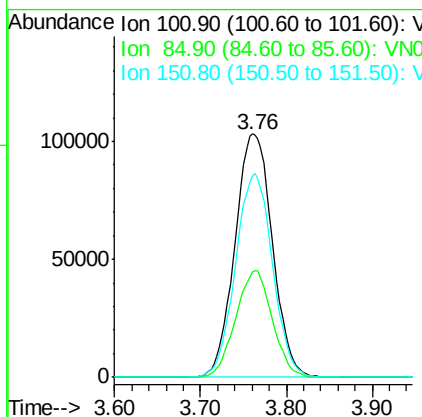
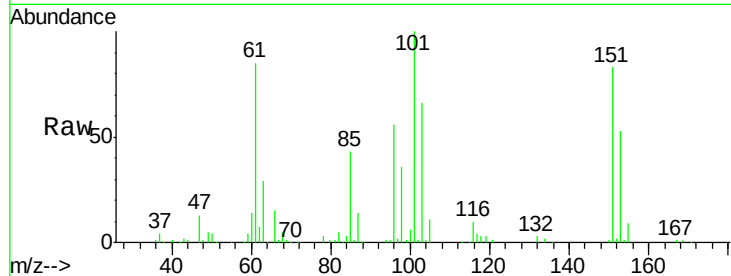
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	312382
Ion Ratio	Lower	Upper	
101	100		
85	42.7	32.5	48.7
151	82.7	70.2	105.2

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#10

Methyl Iodide

Concen: 51.184 ug/l

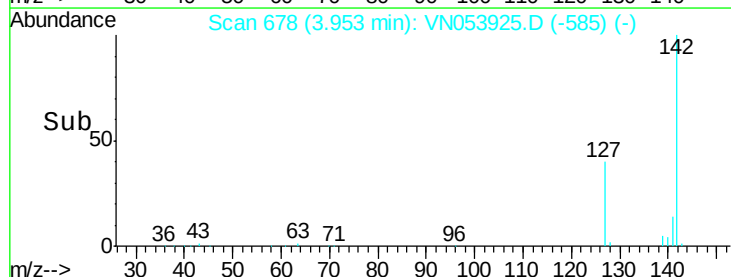
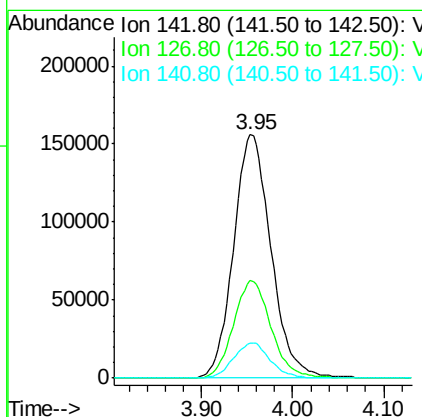
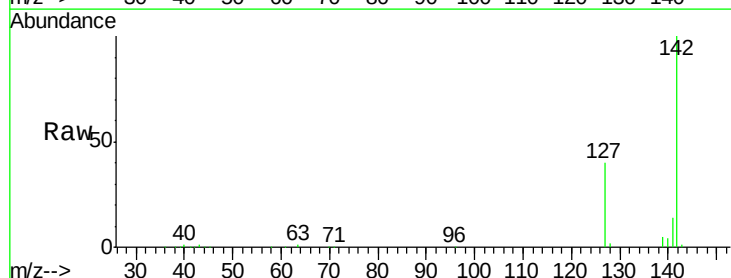
RT: 3.95 min Scan# 678

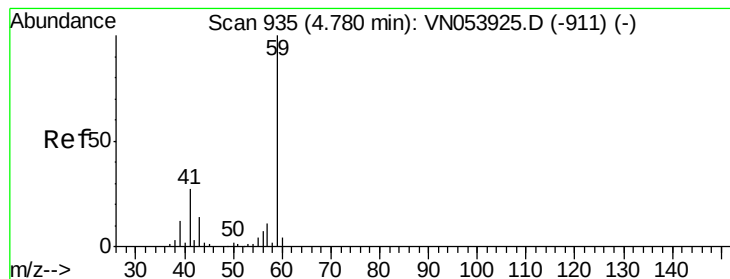
Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion:	142	Resp:	444876
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.0	46.4
141	14.3	11.3	16.9





#11

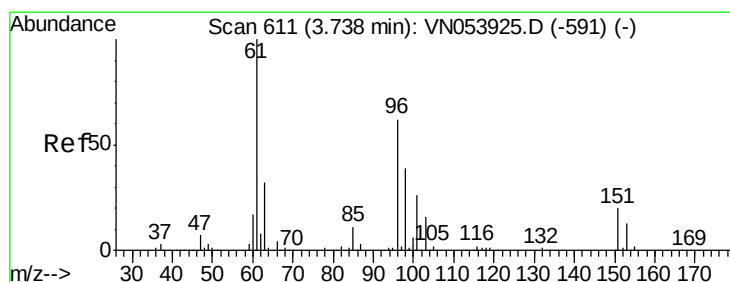
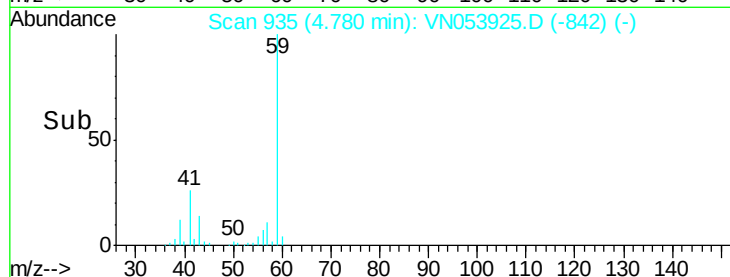
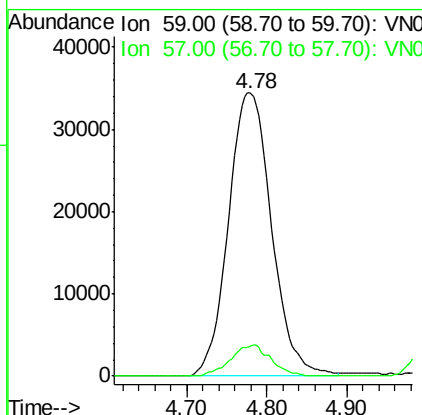
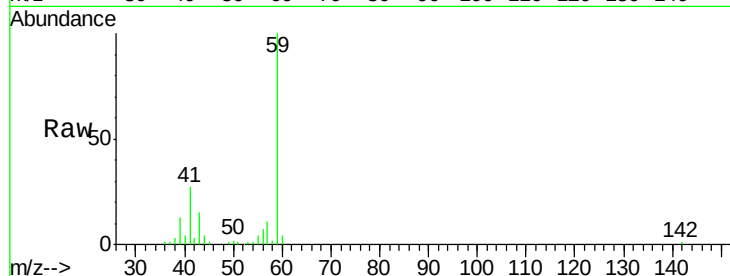
Tert butyl alcohol
 Concen: 265.062 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

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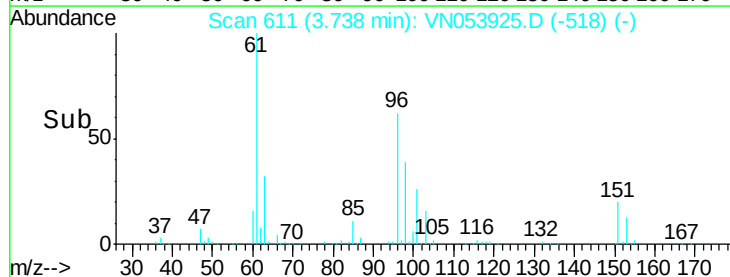
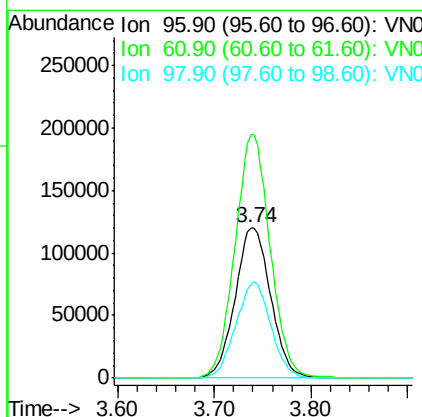
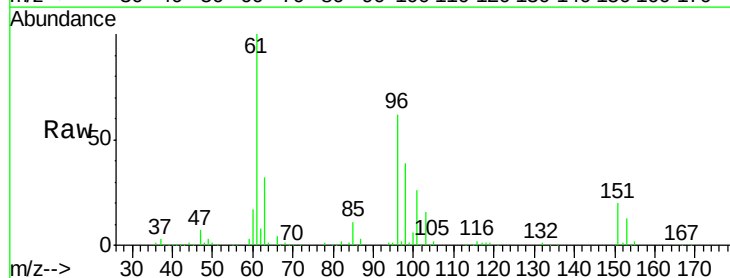
MMDadoda
 2/28/2019 10:48:06 AM

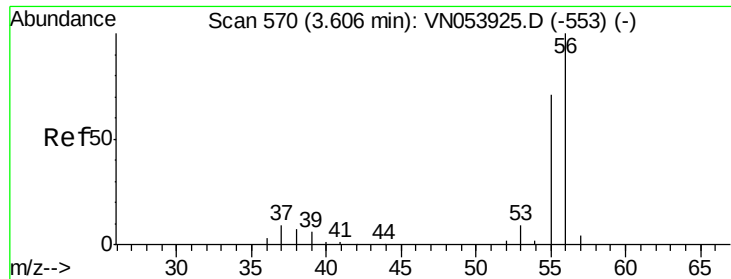


#12

1,1-Dichloroethene
 Concen: 48.518 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	121.0	181.4
98	62.5	52.2	78.2





#13

Acrolein

Concen: 202.873 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 100045

Ion Ratio Lower Upper

56 100

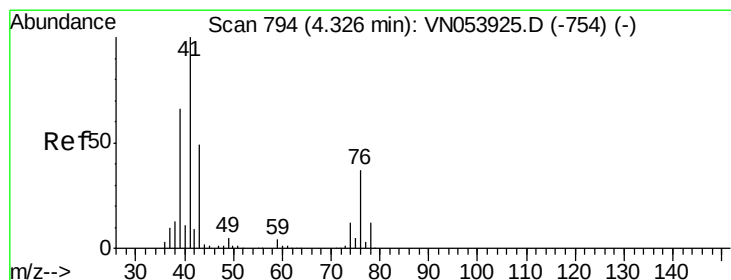
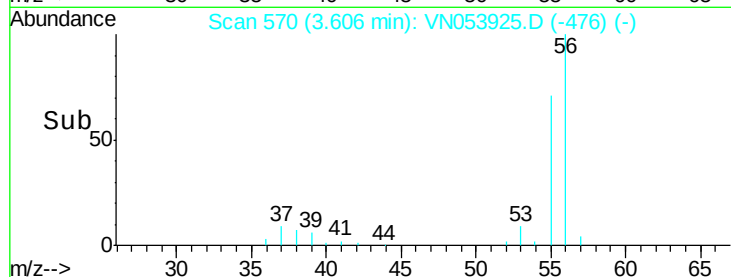
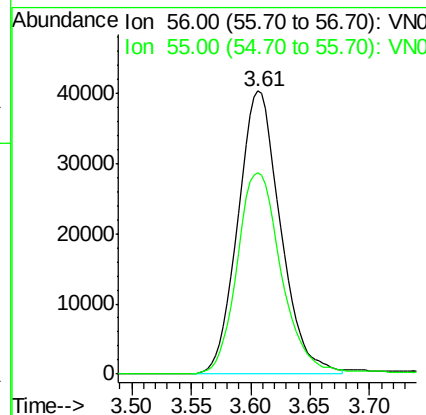
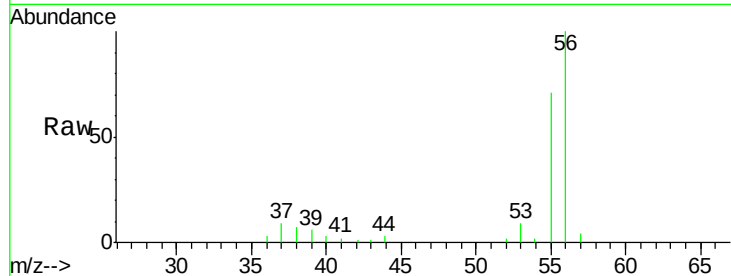
55 74.1 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 49.821 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

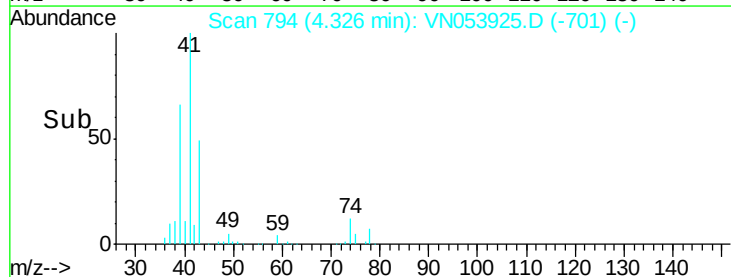
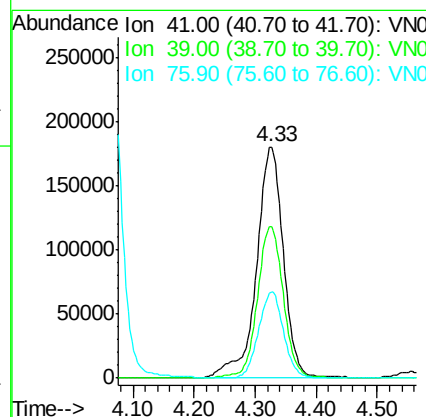
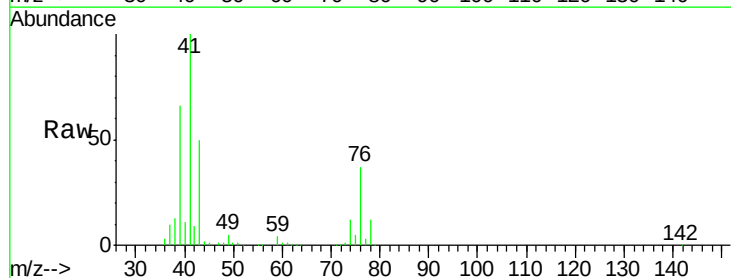
Tgt Ion: 41 Resp: 552880

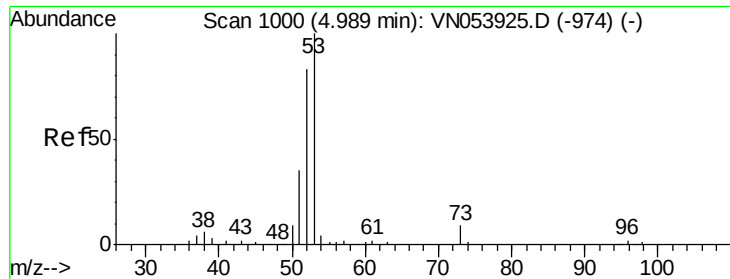
Ion Ratio Lower Upper

41 100

39 63.1 48.8 73.2

76 34.1 30.9 46.3





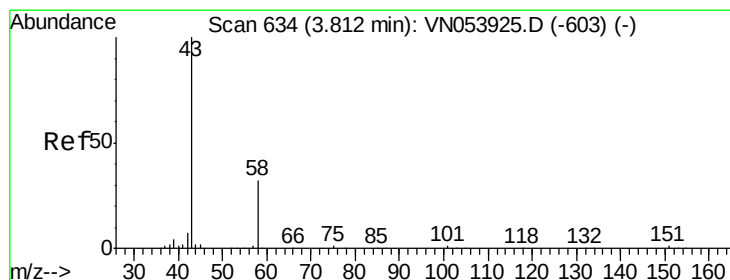
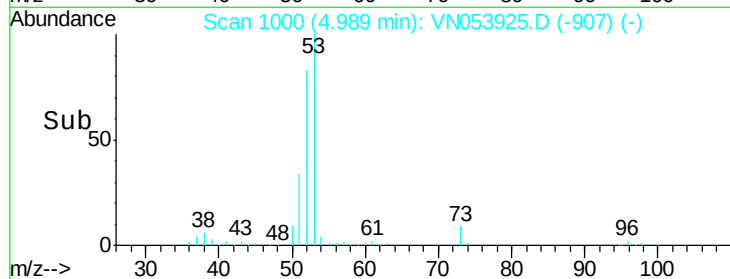
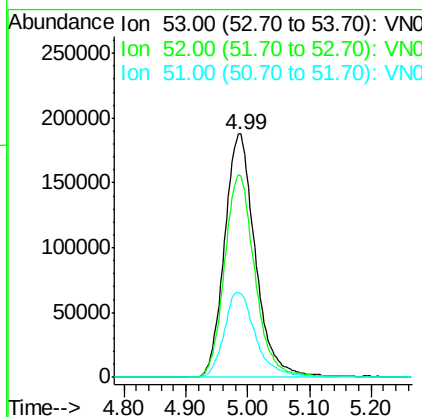
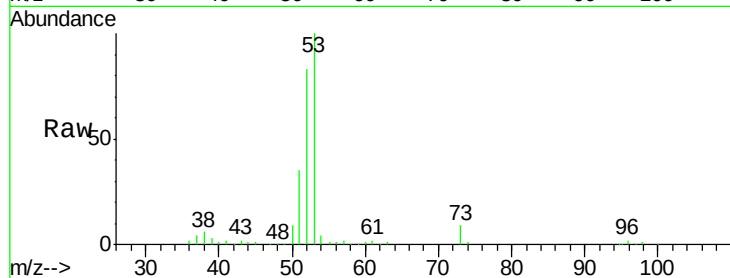
#15
 Acrylonitrile
 Concen: 258.437 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	648773
Ion Ratio	100	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.7	28.2	42.4

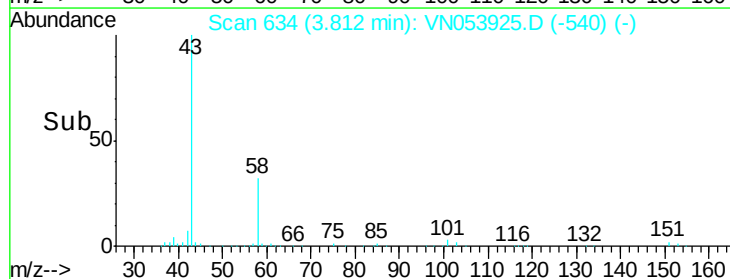
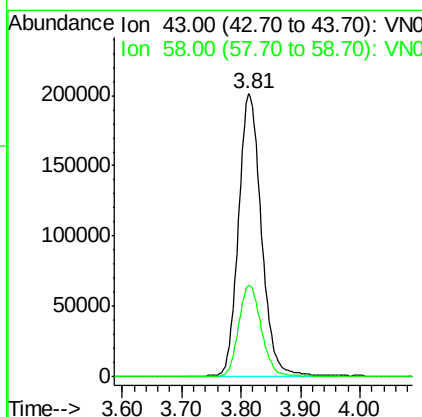
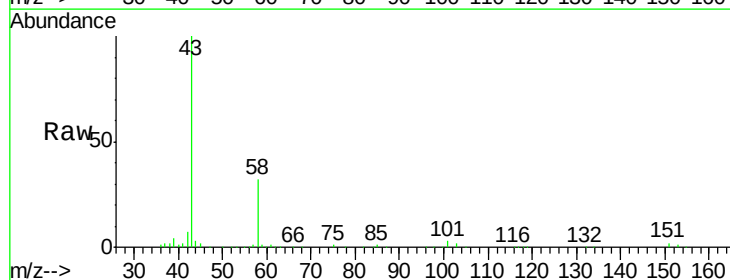
Manual Integrations
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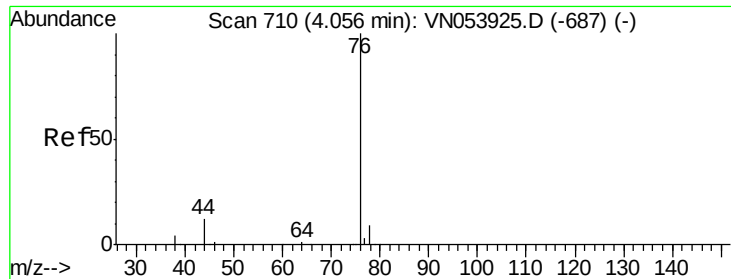
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#16
 Acetone
 Concen: 244.905 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	43	Resp	539595
Ion Ratio	100	Lower	Upper
43	100		
58	32.1	27.6	41.4





#17

Carbon Disulfide

Concen: 47.322 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 965935

Ion Ratio Lower Upper

76 100

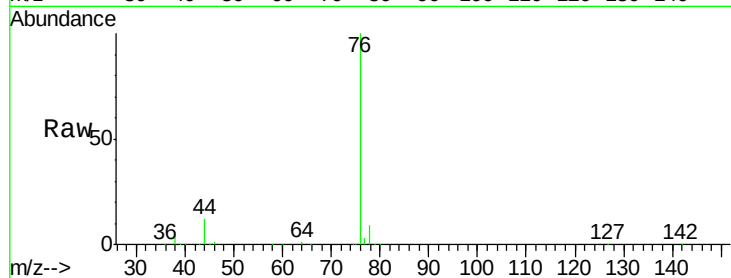
78 9.2 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VN053925.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053925.D (-687) (-)

4.06

400000

300000

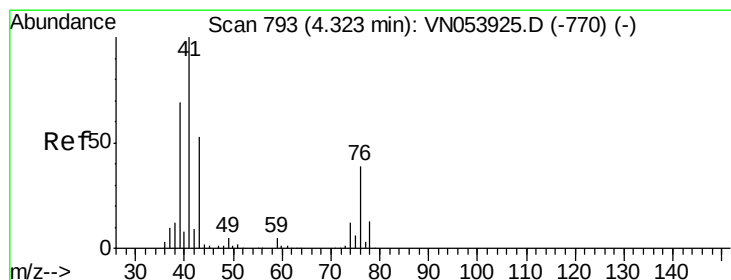
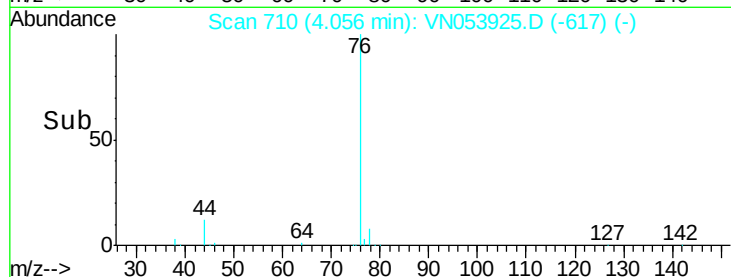
200000

100000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 49.349 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053925.D

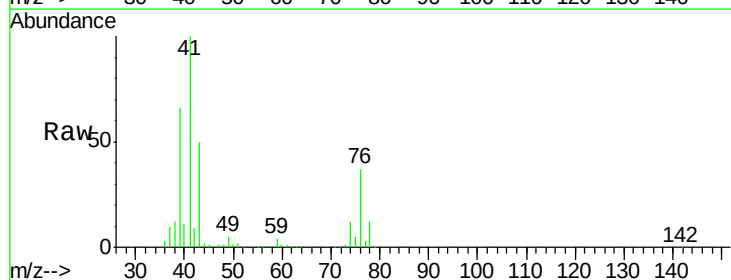
Acq: 25 Feb 2019 13:03

Tgt Ion: 43 Resp: 259266

Ion Ratio Lower Upper

43 100

74 23.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053925.D (-770) (-)

4.32

100000

80000

60000

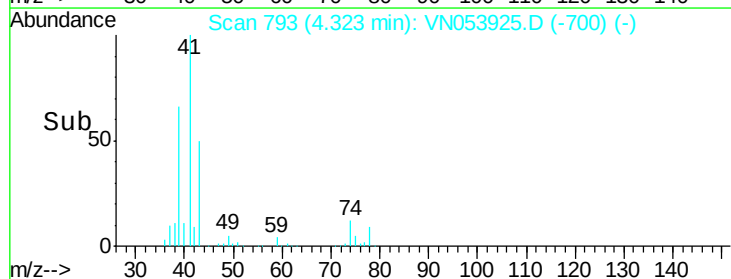
40000

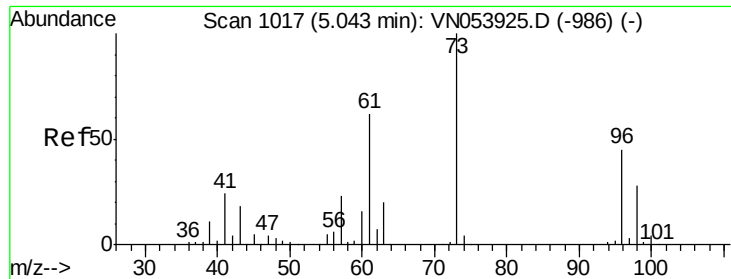
20000

0

4.20 4.30 4.40

Time-->





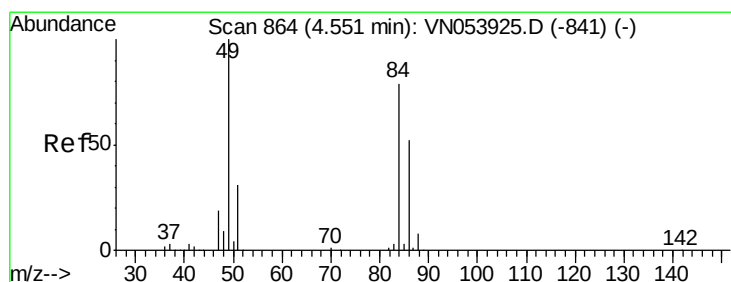
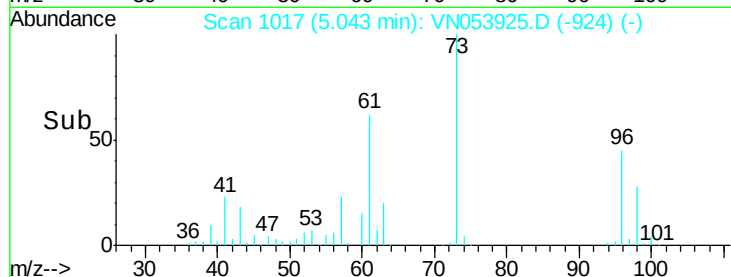
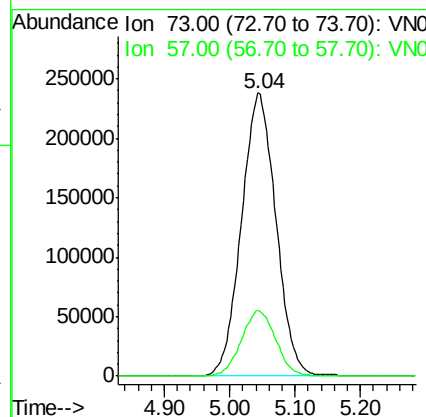
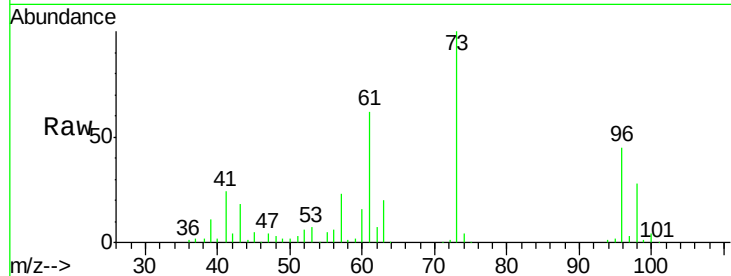
#19
Methyl tert-butyl Ether
Concen: 51.442 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 873136
Ion Ratio Lower Upper
73 100
57 23.3 18.0 27.0

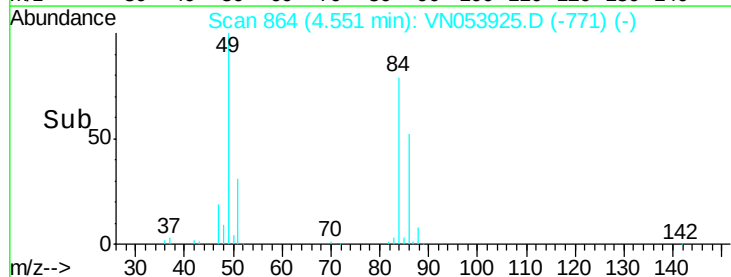
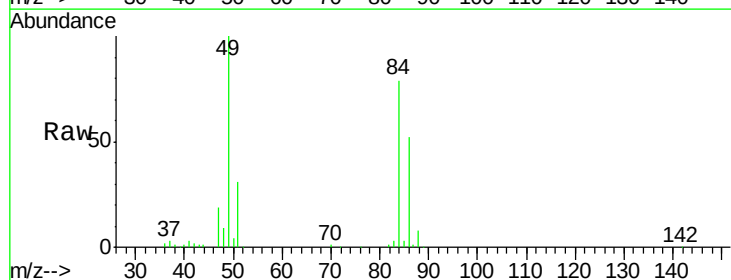
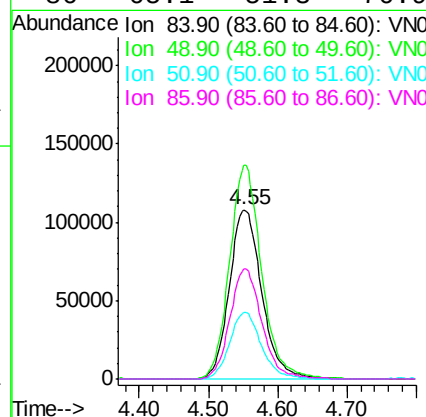
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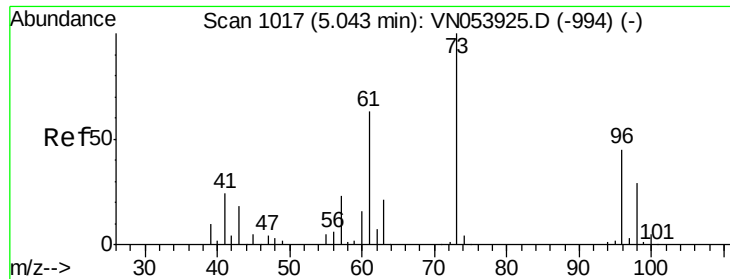
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#20
Methylene Chloride
Concen: 47.514 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion: 84 Resp: 353324
Ion Ratio Lower Upper
84 100
49 126.3 89.7 134.5
51 39.2 27.8 41.8
86 65.1 51.3 76.9





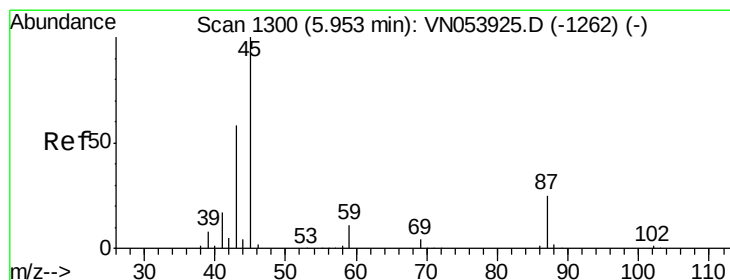
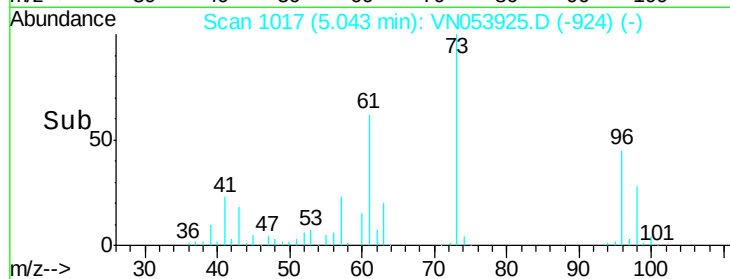
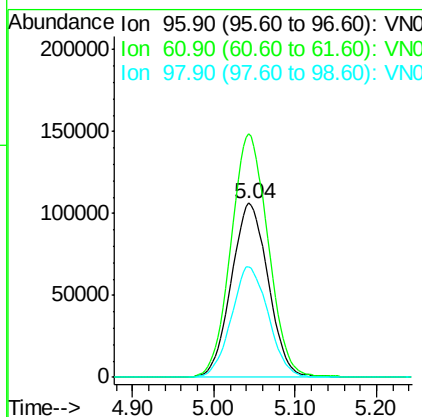
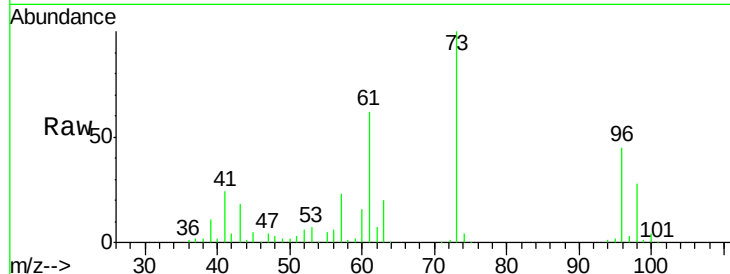
#21
trans-1,2-Dichloroethene
Concen: 48.915 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	104.5	156.7
98	63.9	50.6	76.0

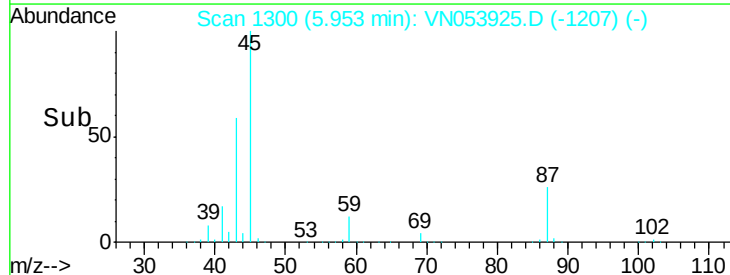
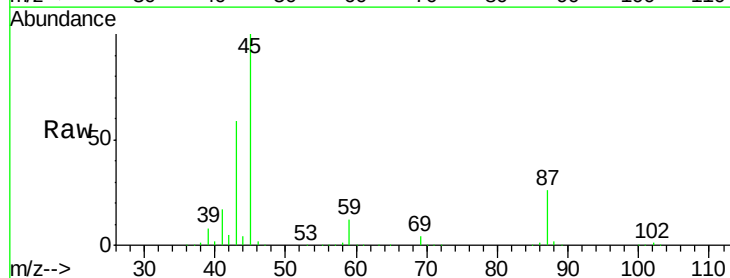
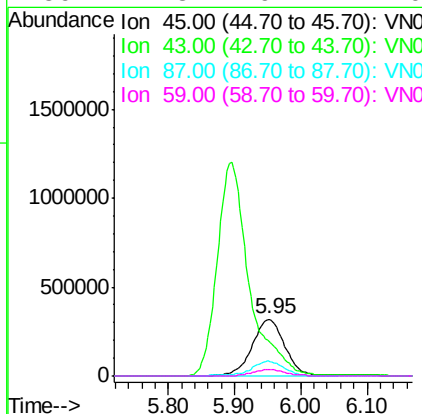
Manual Integrations
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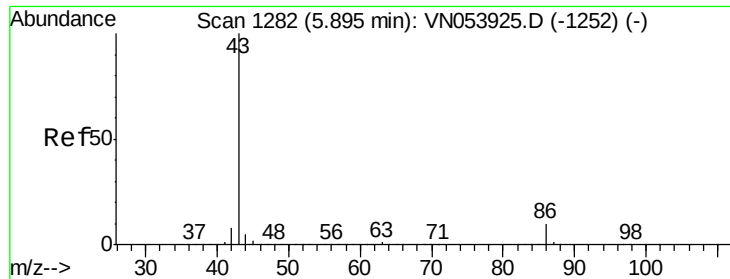
MMDadoda
2/28/2019 10:48:06 AM



#22
Diisopropyl ether
Concen: 51.225 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.2	69.4
87	25.7	23.4	35.0
59	11.3	9.4	14.0





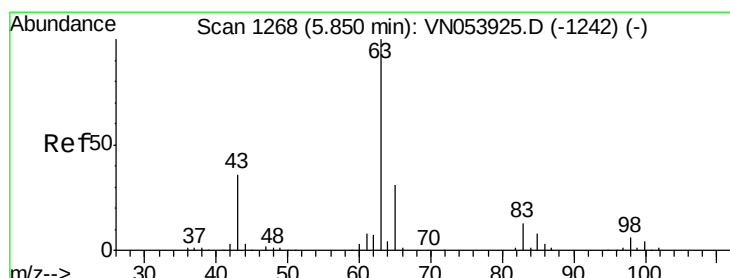
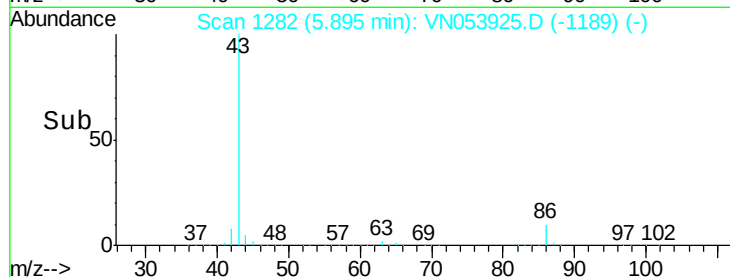
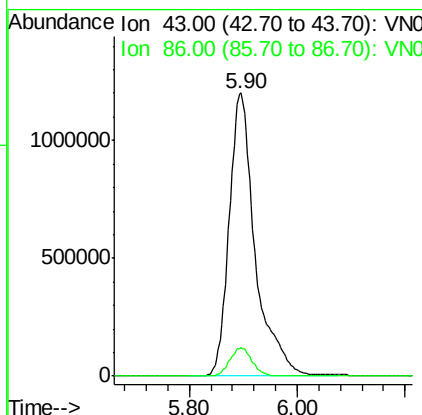
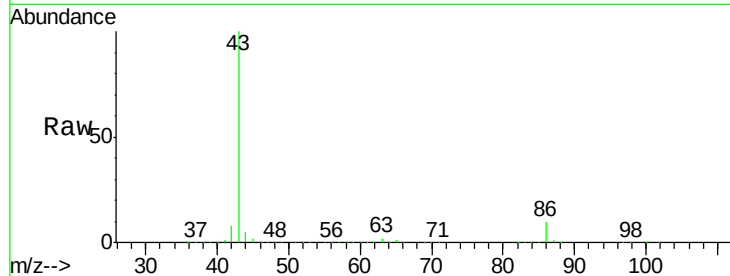
#23
 Vinyl Acetate
 Concen: 262.680 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 4045638
 Ion Ratio Lower Upper
 43 100
 86 9.9 9.1 13.7

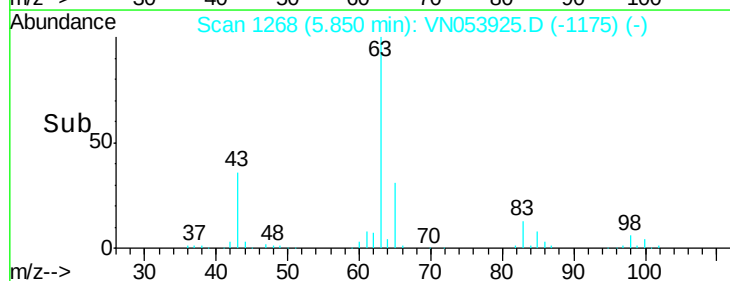
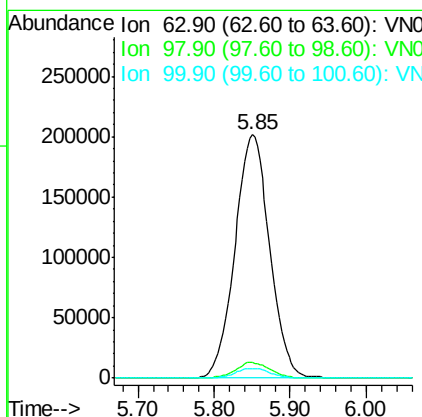
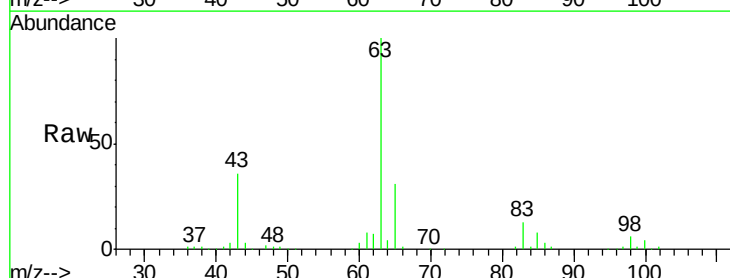
Manual Integrations
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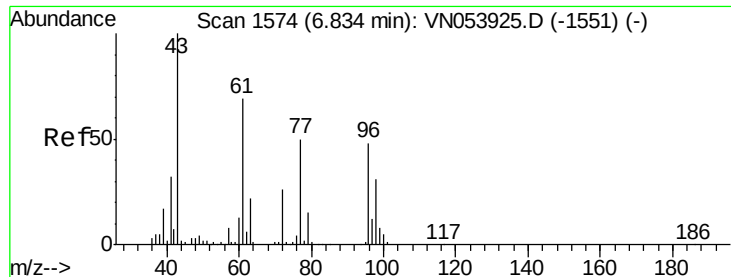
MMDadoda
 2/28/2019 10:48:06 AM



#24
 1,1-Dichloroethane
 Concen: 48.682 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion: 63 Resp: 639151
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.2
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 261.873 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 772565

Ion Ratio Lower Upper

43 100

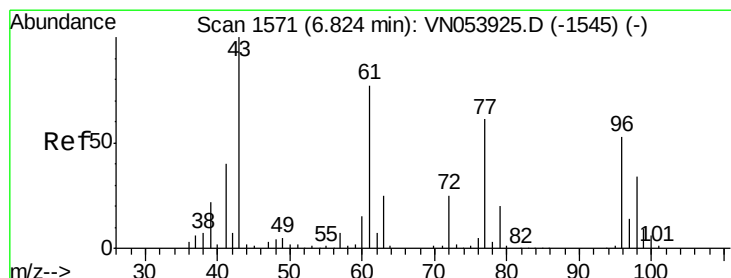
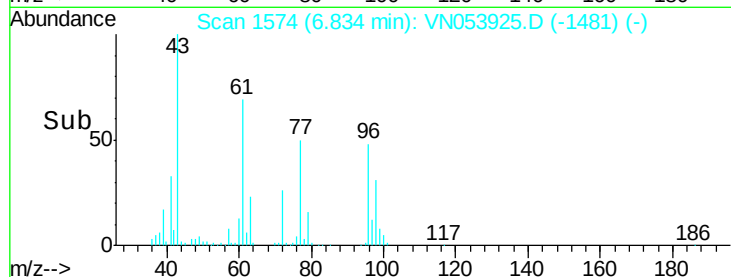
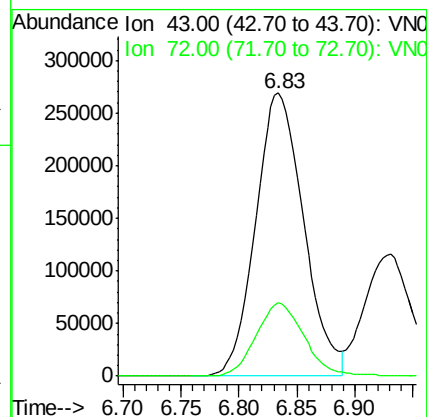
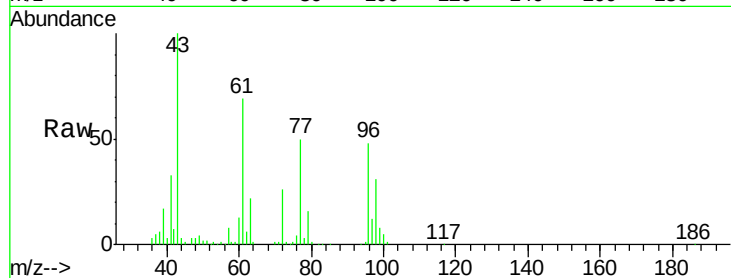
72 25.8 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.185 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053925.D

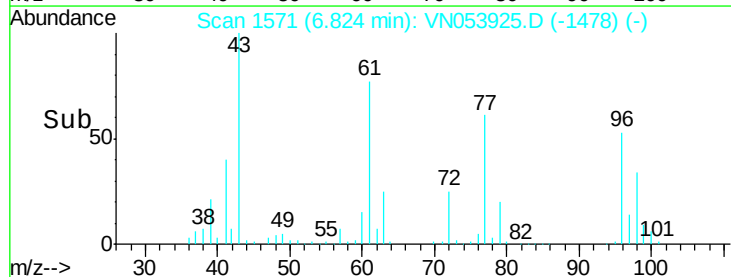
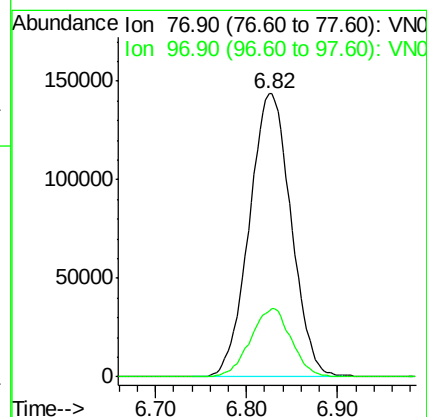
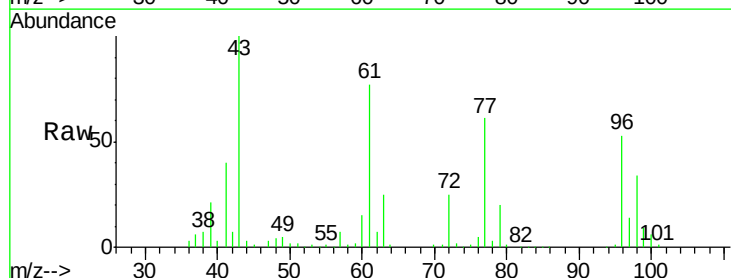
Acq: 25 Feb 2019 13:03

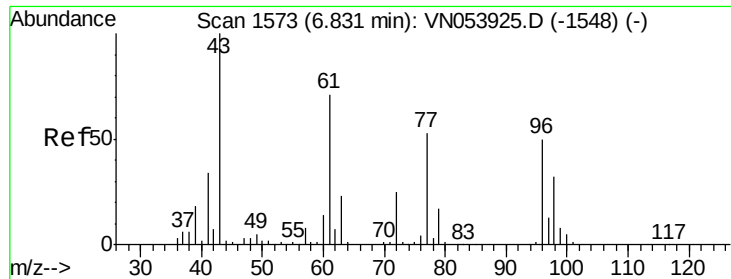
Tgt Ion: 77 Resp: 458780

Ion Ratio Lower Upper

77 100

97 23.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.529 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

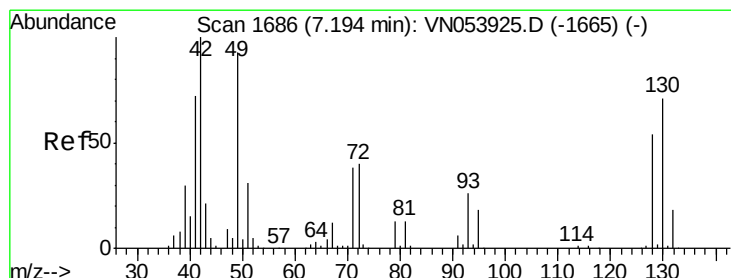
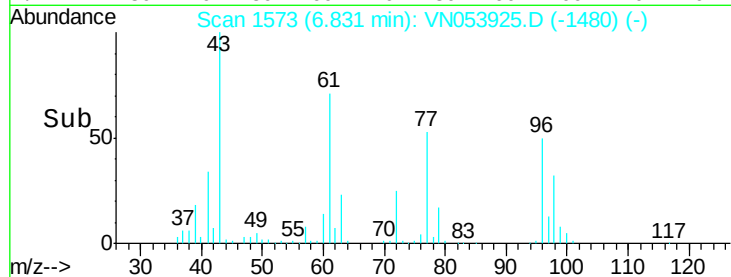
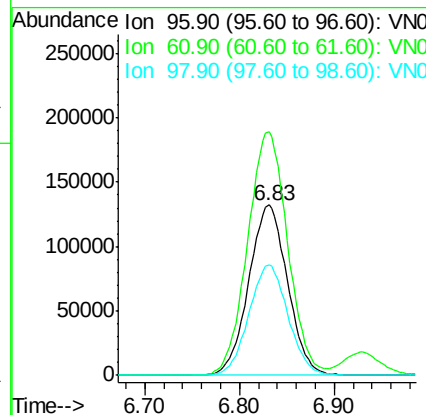
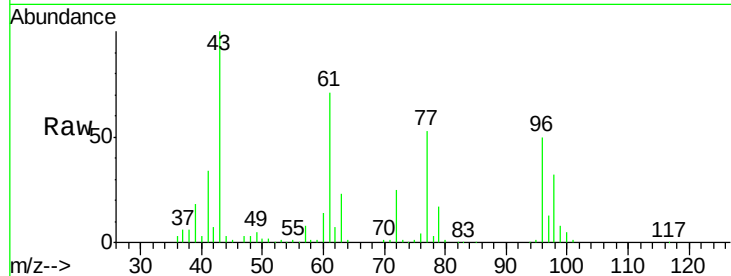
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	377213
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	275.6
98	65.5	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 51.093 ug/l

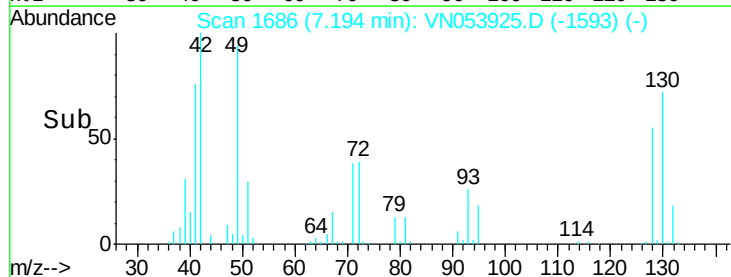
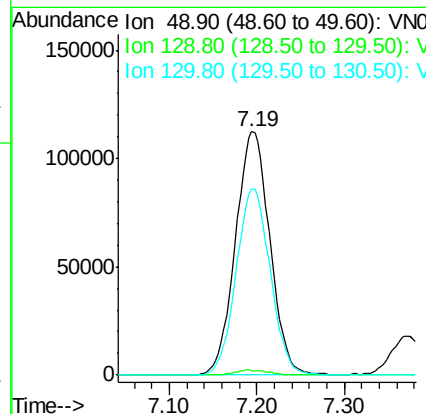
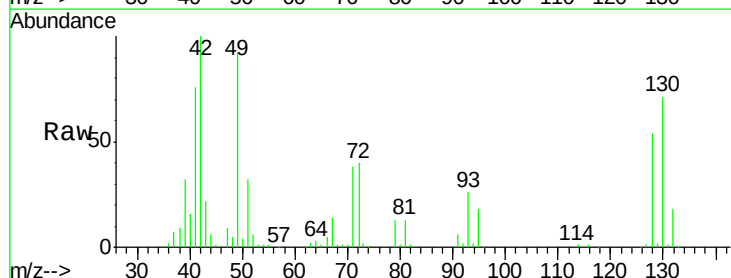
RT: 7.19 min Scan# 1686

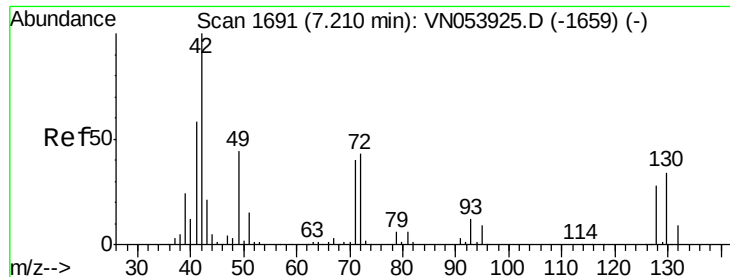
Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion:	49	Resp:	307043
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	76.0	72.9	109.3





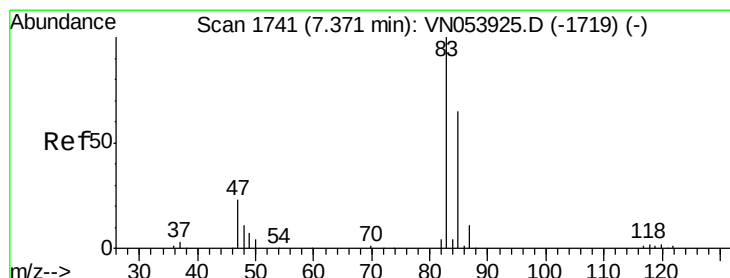
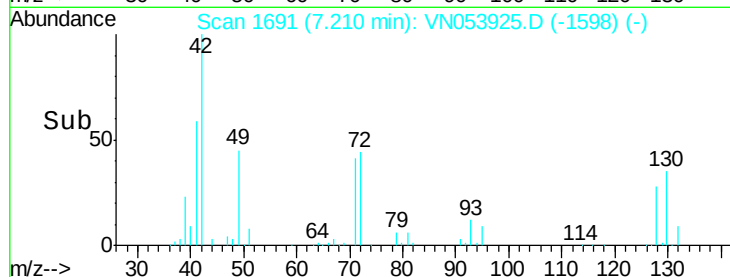
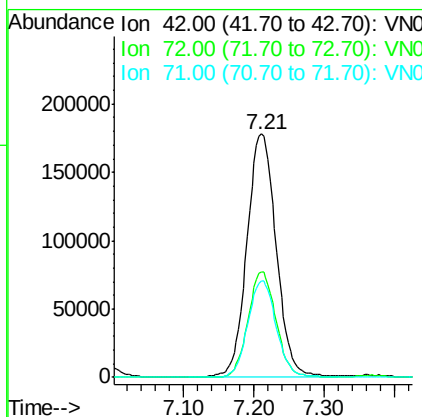
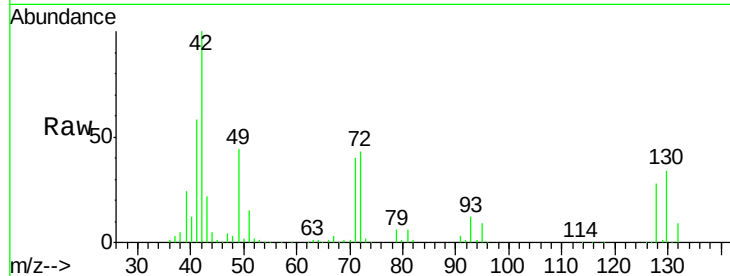
#29
Tetrahydrofuran
Concen: 261.001 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	36.9	55.3
71	38.8	34.6	52.0

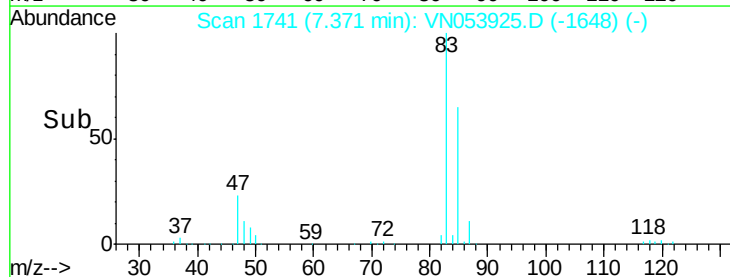
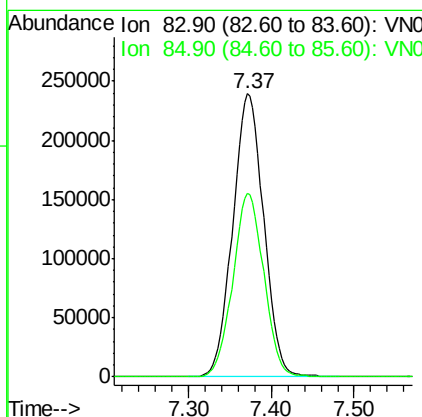
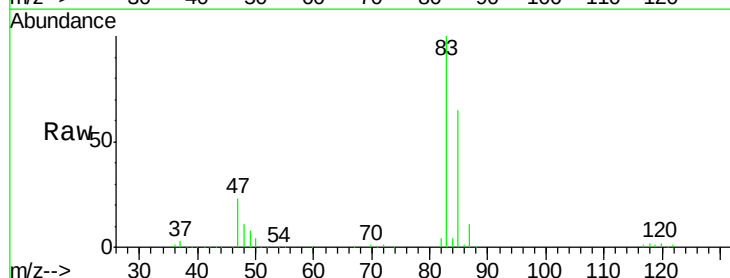
Manual Integrations
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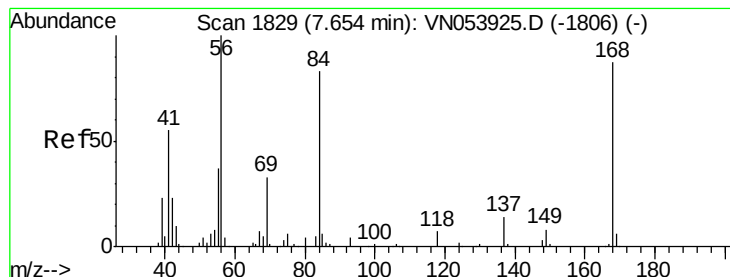
MMDadoda
2/28/2019 10:48:06 AM



#30
Chloroform
Concen: 48.941 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8





#31

Cyclohexane

Concen: 42.383 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

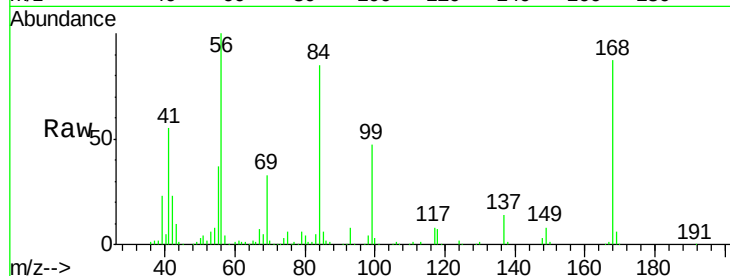
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.0	39.0
84	83.4	69.1	103.7

Manual Integrations
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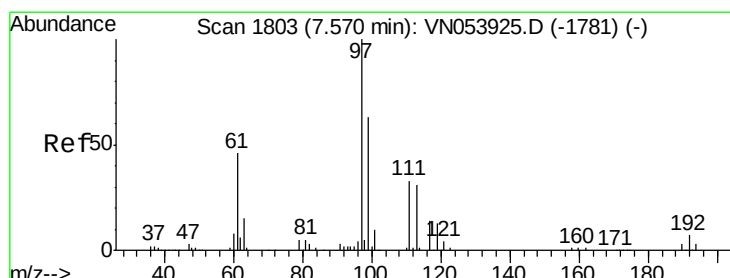
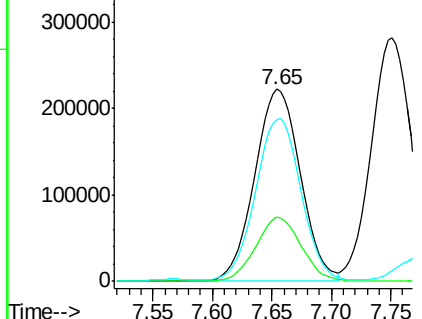
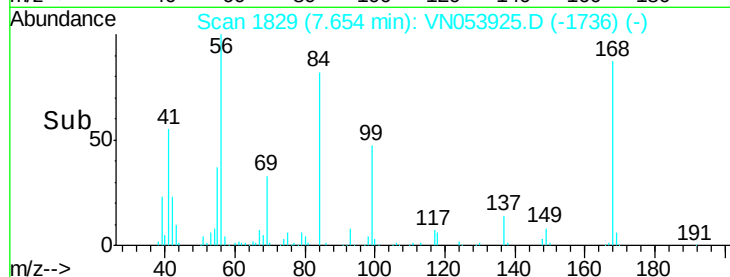


Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053925.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053925.D (-1806) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 49.460 ug/l

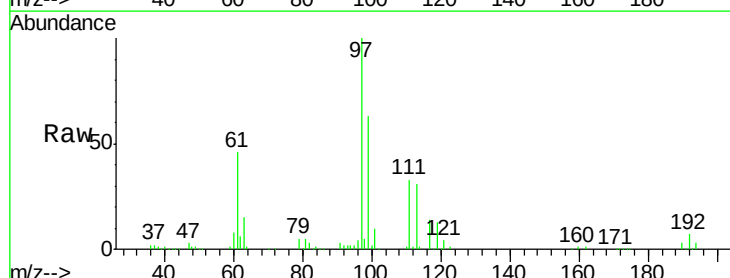
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	45.6	33.2	49.8

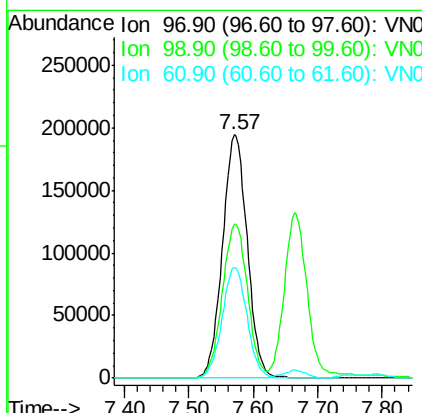
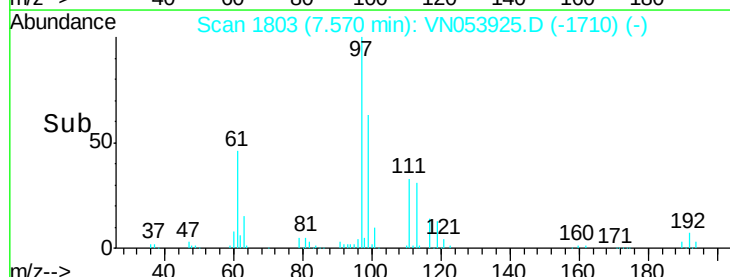


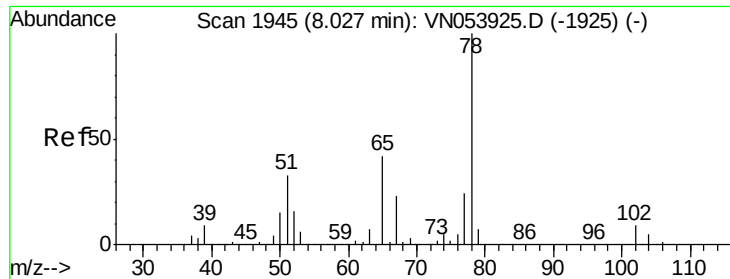
Abundance Ion 96.90 (96.60 to 97.60): VN053925.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN053925.D (-1781) (-)

Time-->





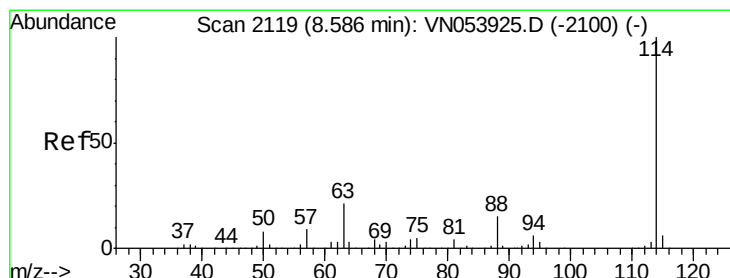
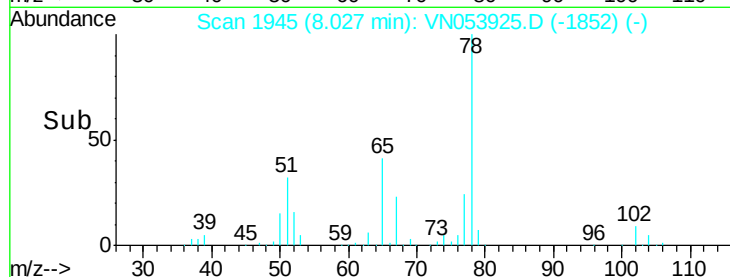
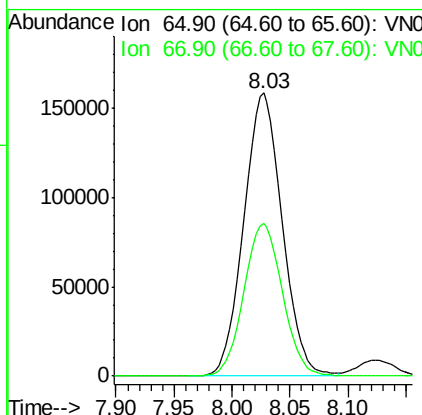
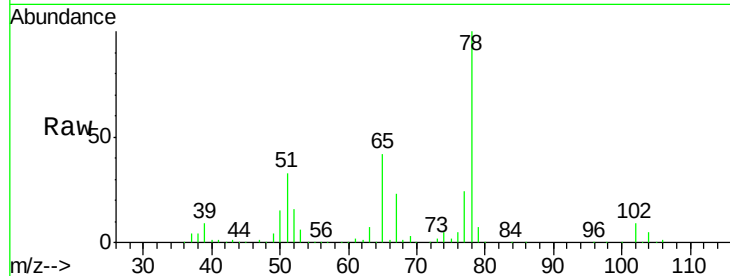
#33
 1,2-Dichloroethane-d4
 Concen: 48.756 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	366324		
67	54.4	0.0	111.8	

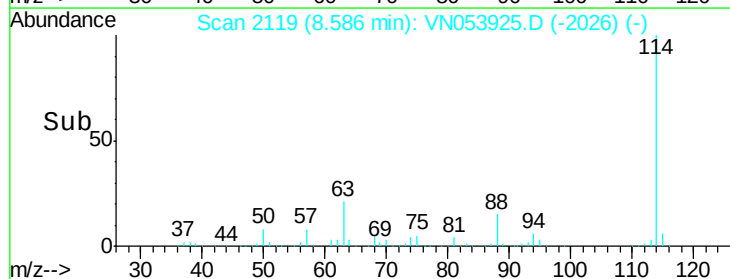
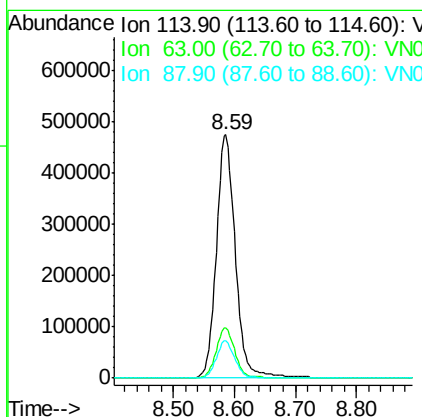
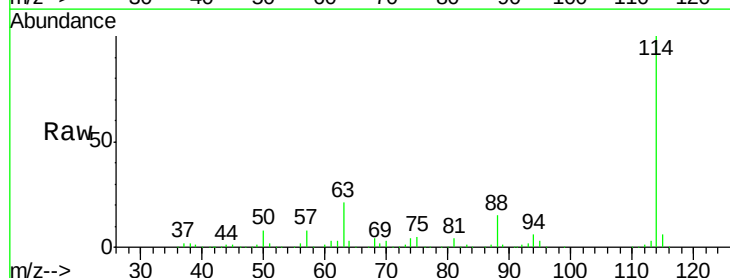
Manual Integrations
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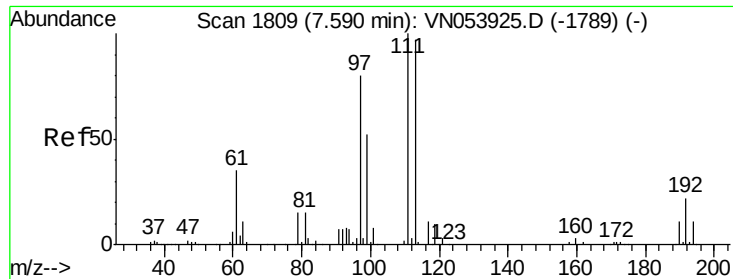
MMDadoda
 2/28/2019 10:48:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1024696		
63	20.6	0.0	37.4	
88	15.5	0.0	30.4	





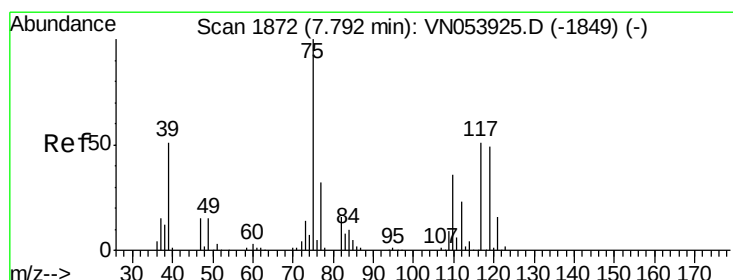
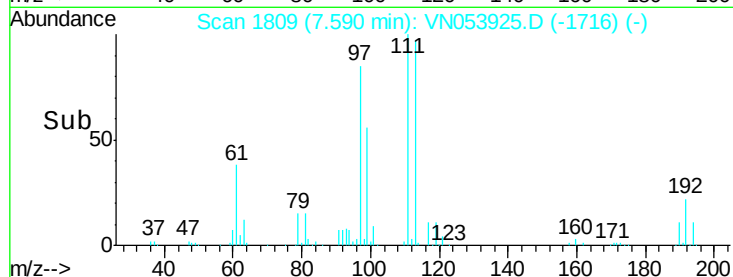
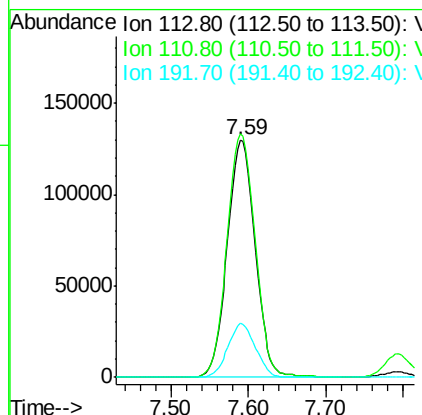
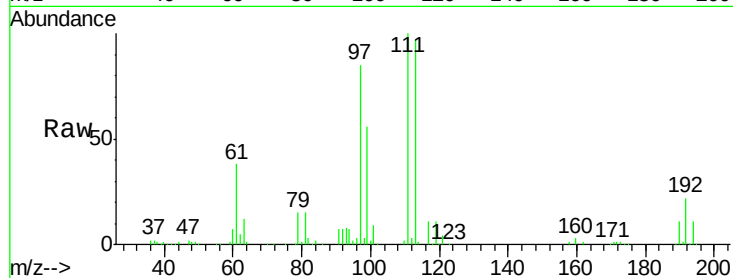
#35
Dibromofluoromethane
Concen: 49.026 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	81.1	121.7	
192	22.3	18.8	28.2	

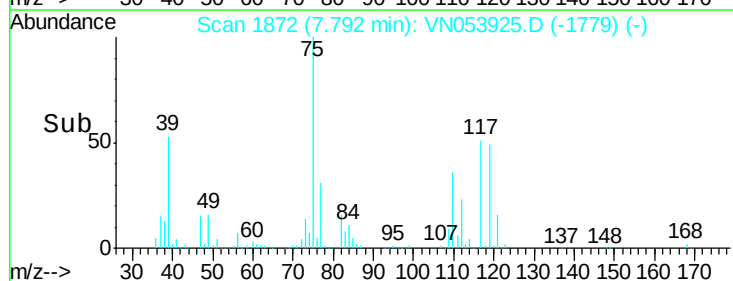
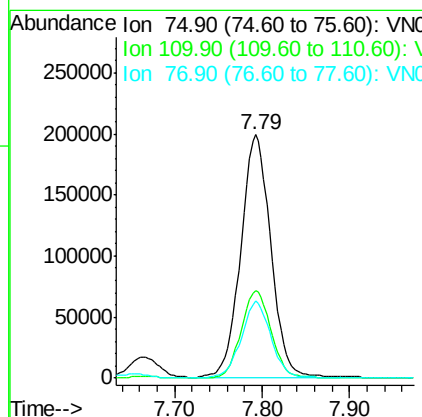
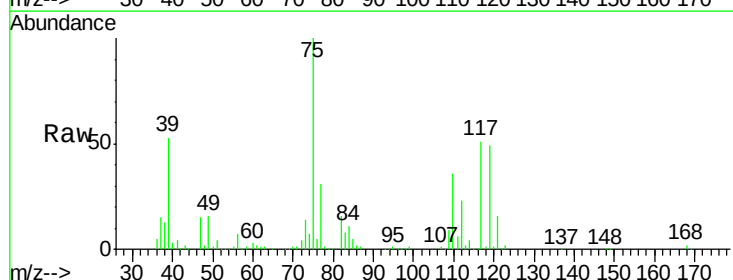
Manual Integrations
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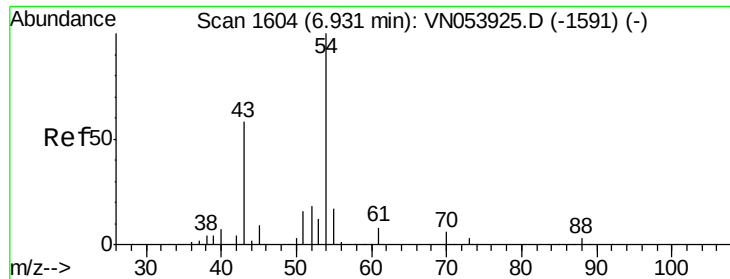
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.590 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	19.0	57.0	
77	31.6	25.4	38.0	





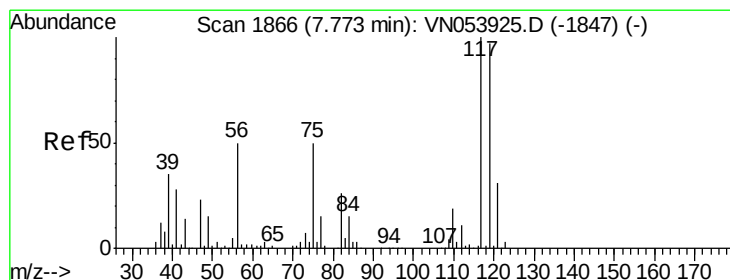
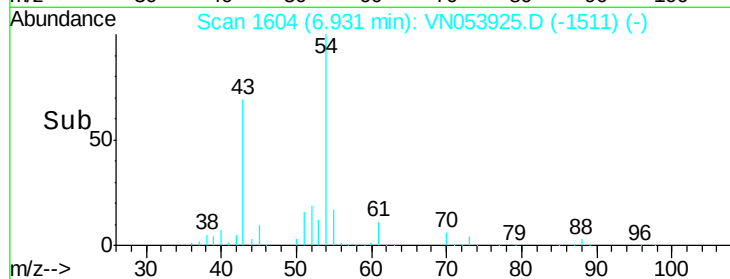
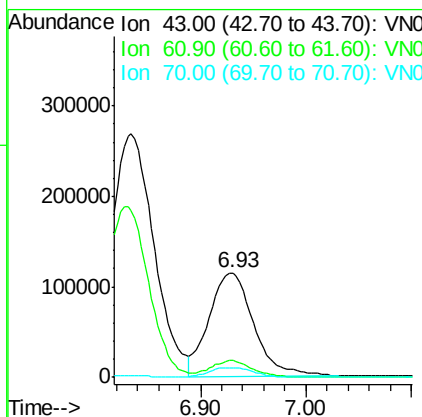
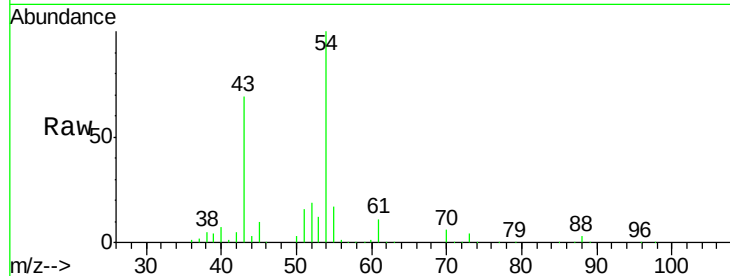
#37
Ethyl Acetate
Concen: 49.154 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	9.4	8.7	13.1

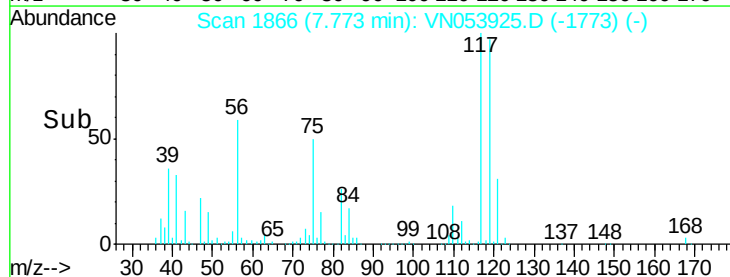
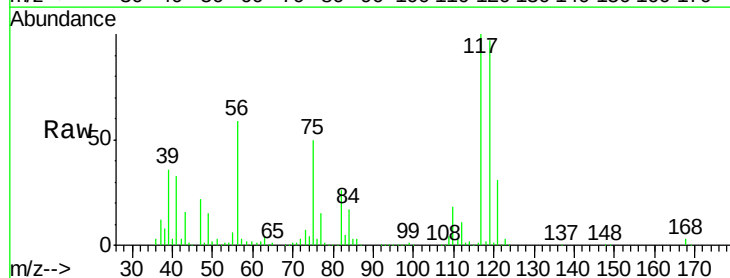
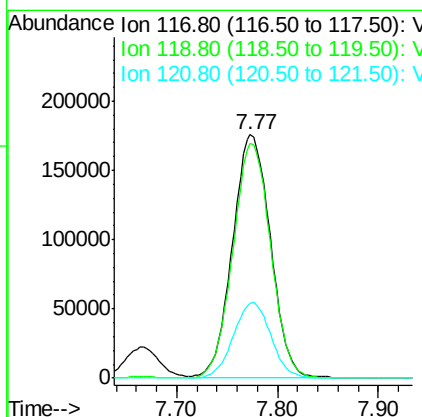
Manual Integrations
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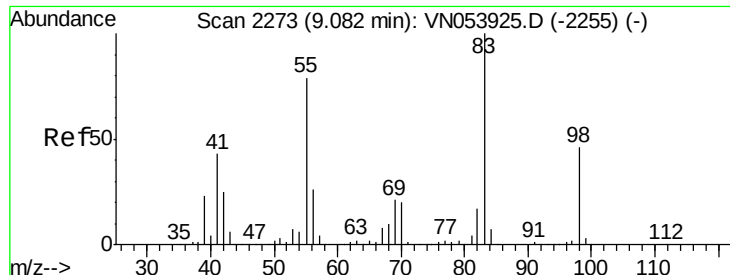
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.005 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.2	114.2
121	31.0	24.6	36.8





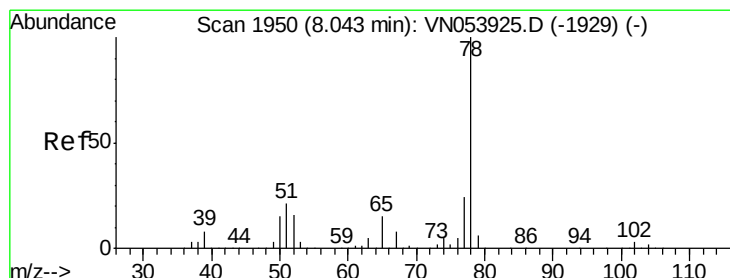
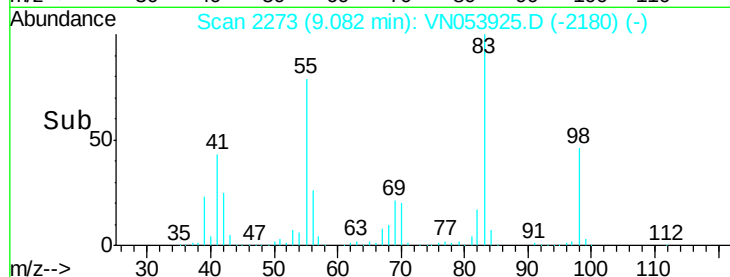
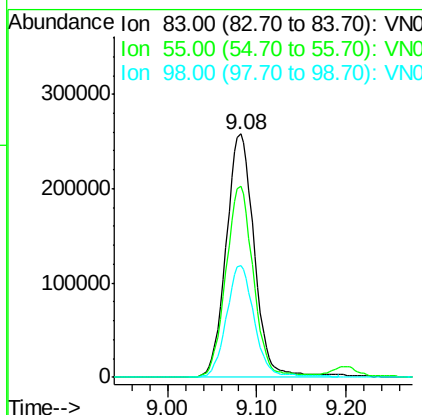
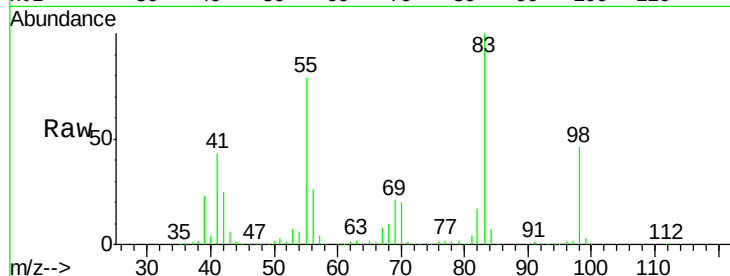
#39
Methylvlcyclohexane
Concen: 49.217 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	58.2	87.4
98	46.1	37.2	55.8

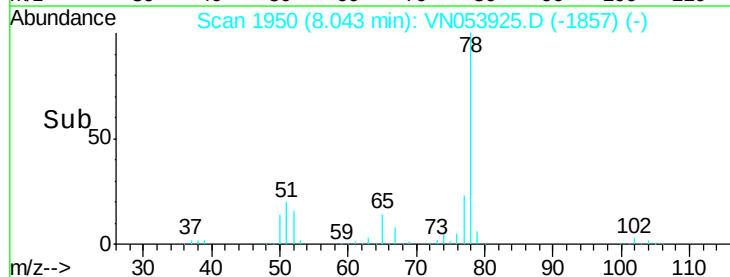
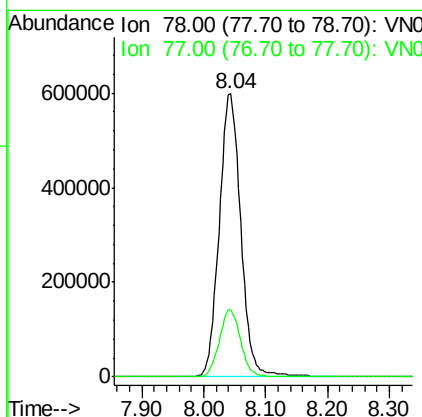
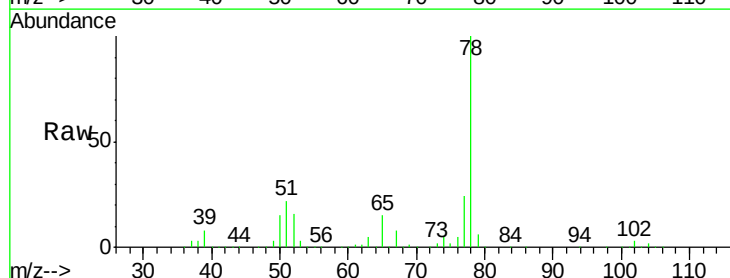
Manual Integrations
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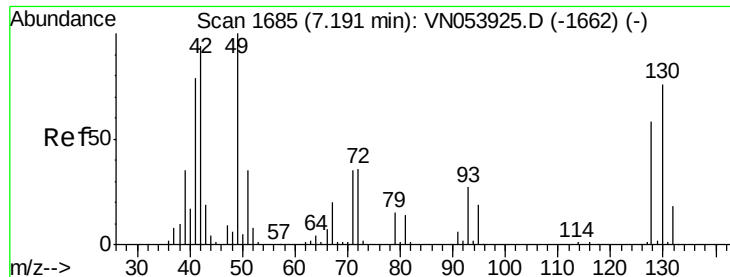
MMDadoda
2/28/2019 10:48:06 AM



#40
Benzene
Concen: 49.541 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#41

Methacrylonitrile

Concen: 55.163 ug/l m

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 241690

Ion Ratio Lower Upper

41 100

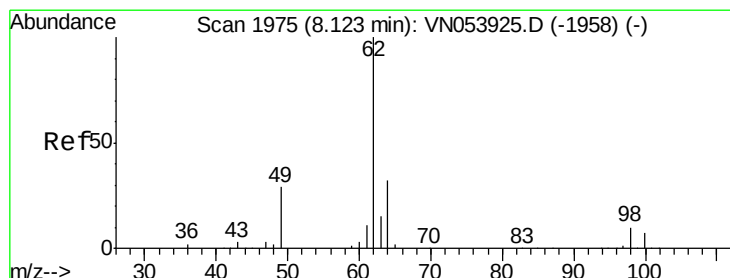
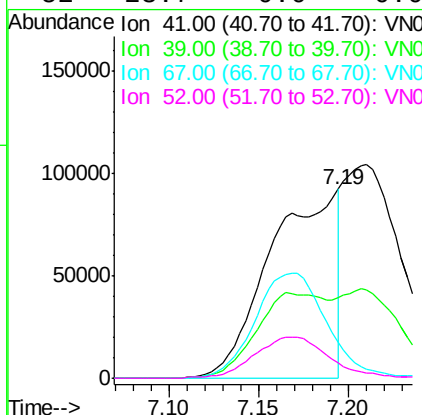
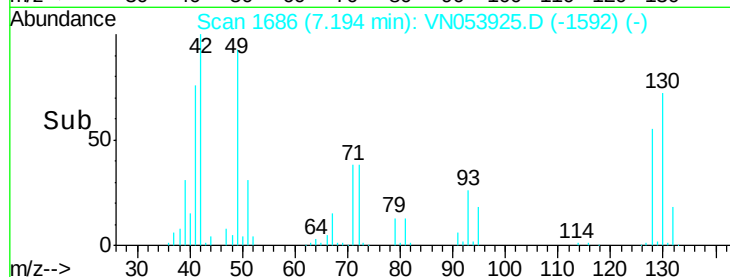
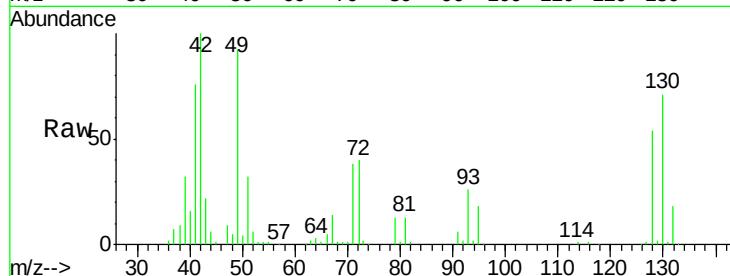
39 44.6 0.0 0.0#

67 59.7 0.0 0.0#

52 23.7 0.0 0.0#

Manual Integrations
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MMDadoda
2/28/2019 10:48:06 AM



#42

1,2-Dichloroethane

Concen: 49.514 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053925.D

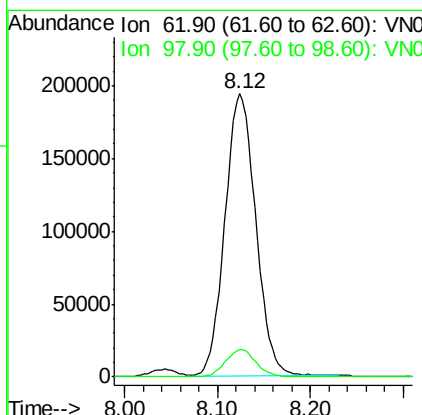
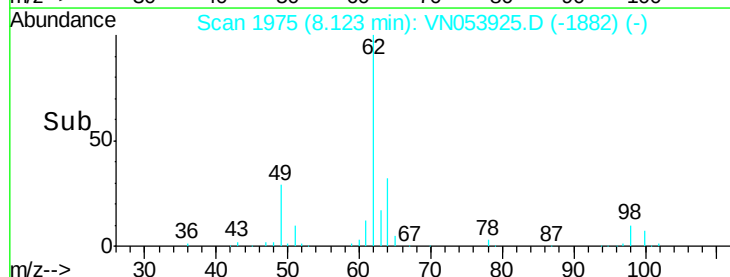
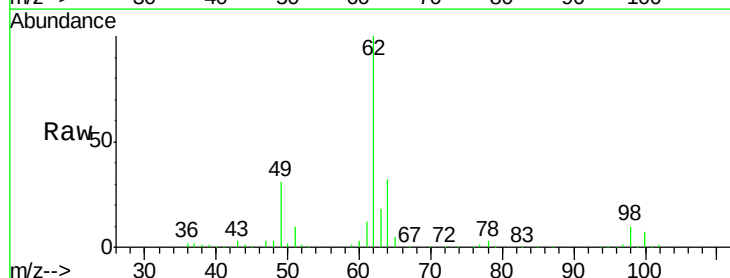
Acq: 25 Feb 2019 13:03

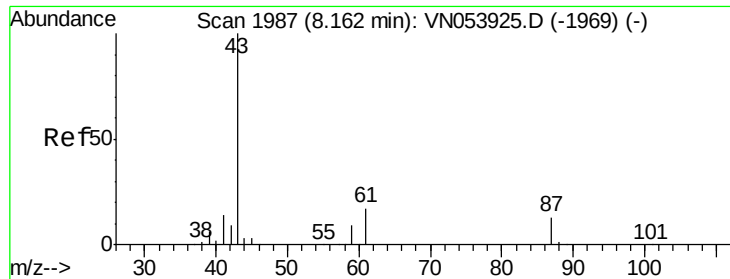
Tgt Ion: 62 Resp: 448760

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.8





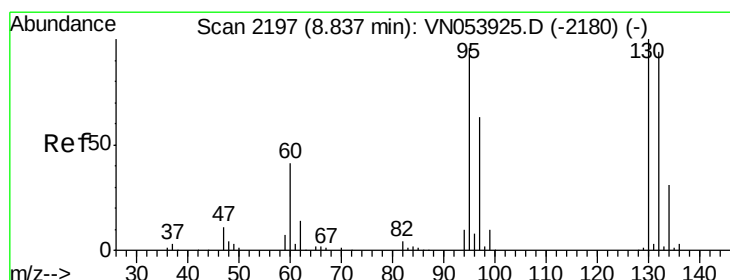
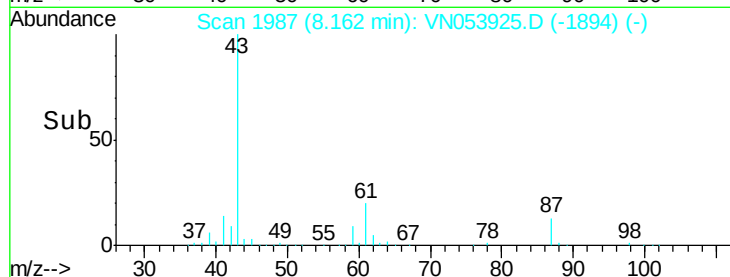
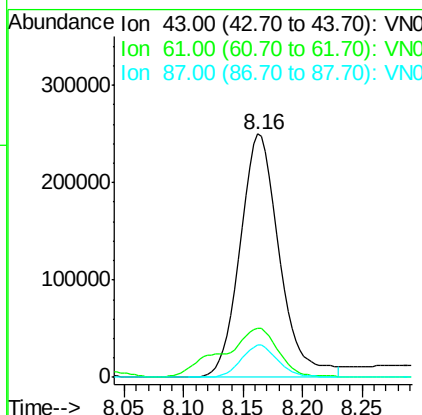
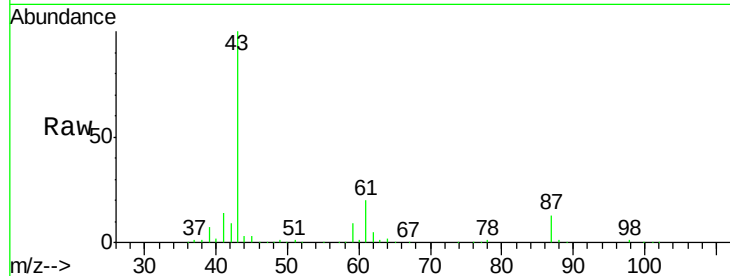
#43
Isopropyl Acetate
Concen: 49.718 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	17.4	26.0#
87	12.5	11.5	17.3

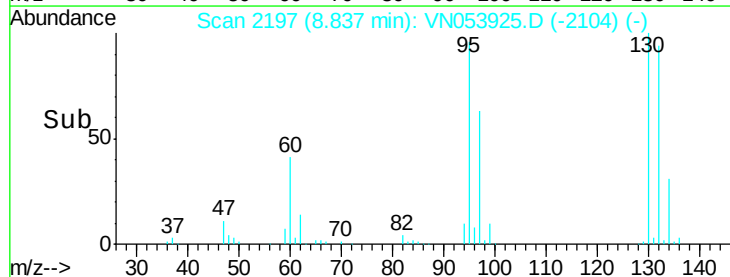
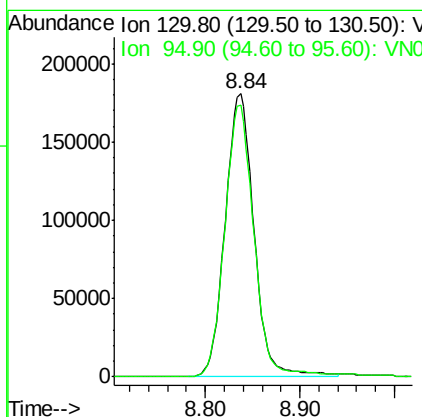
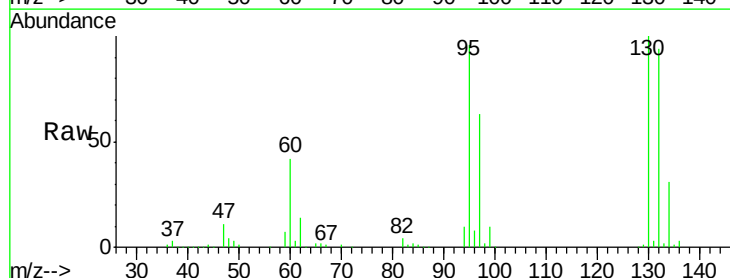
Manual Integrations
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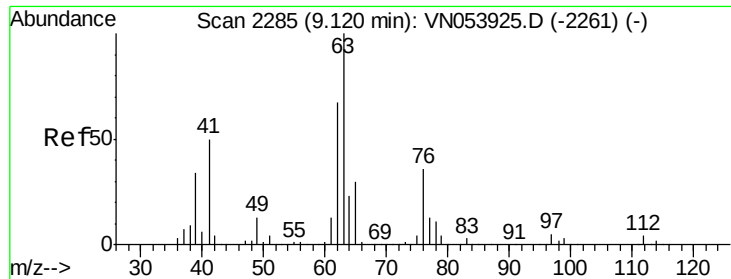
MMDadoda
2/28/2019 10:48:06 AM



#44
Trichloroethene
Concen: 49.437 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	190.0





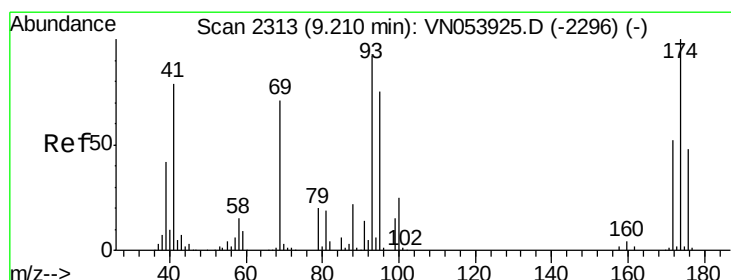
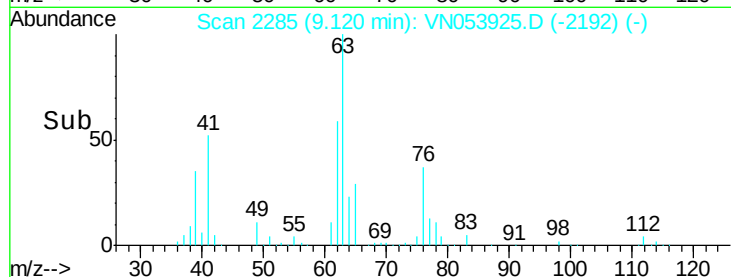
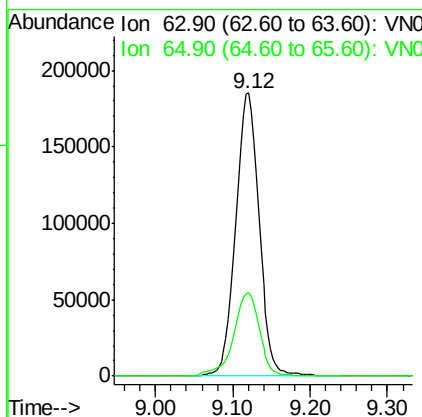
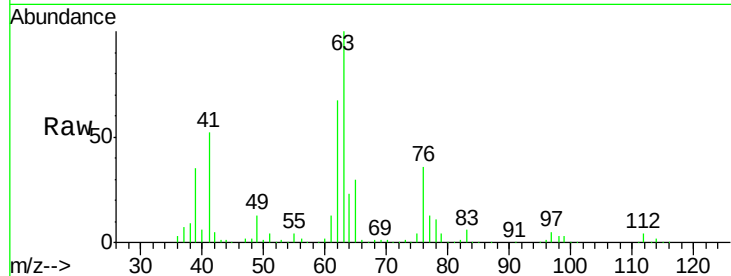
#45
 1,2-Dichloropropane
 Concen: 49.095 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 387754
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.3 36.5

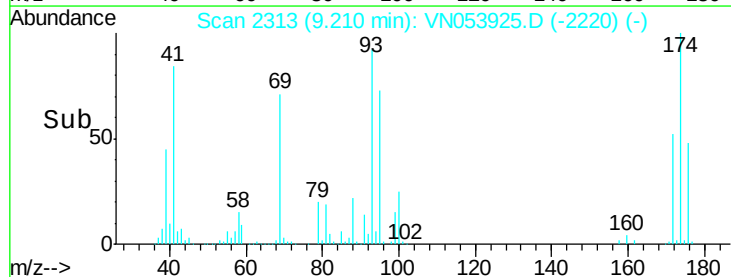
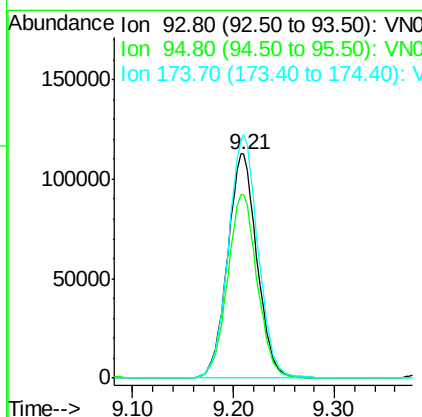
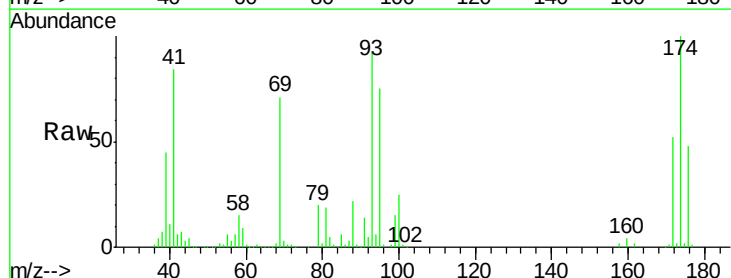
Manual Integrations
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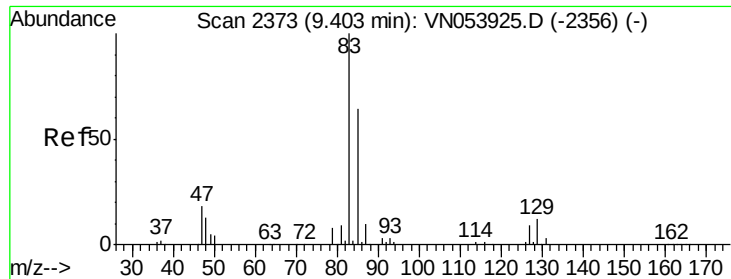
MMDadoda
 2/28/2019 10:48:06 AM



#46
 Dibromomethane
 Concen: 49.992 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion: 93 Resp: 229225
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.6 100.0
 174 108.8 96.2 144.4





#47

Bromodichloromethane

Concen: 49.470 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 478040

Ion Ratio Lower Upper

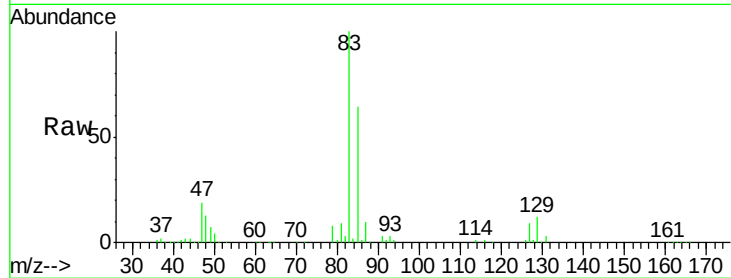
83 100

85 64.4 51.8 77.6

127 8.6 7.4 11.0

Manual Integrations
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MMDadoda
2/28/2019 10:48:06 AM

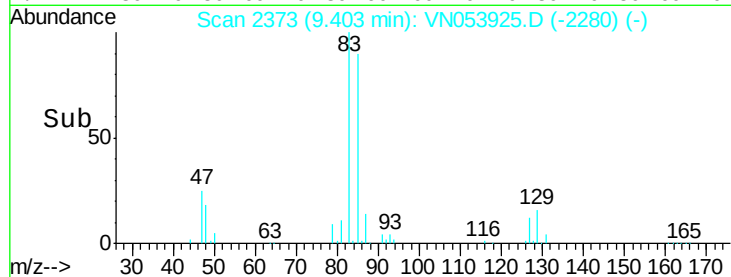


Abundance Ion 82.90 (82.60 to 83.60): VN0

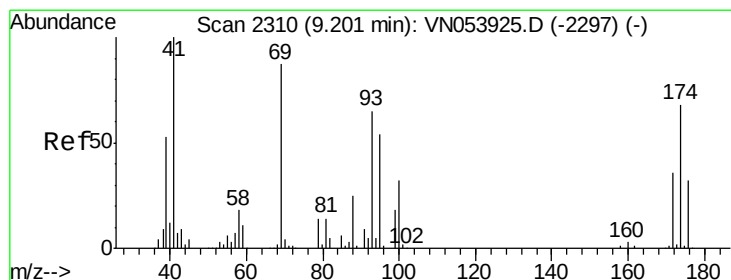
Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

Time-->



Time-->



#48

Methyl methacrylate

Concen: 51.850 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

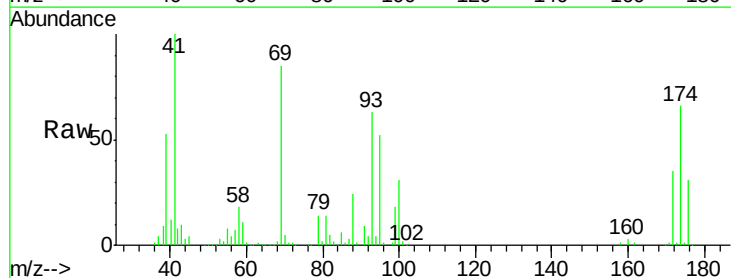
Tgt Ion: 41 Resp: 273996

Ion Ratio Lower Upper

41 100

69 91.9 74.8 112.2

39 55.3 39.0 58.6

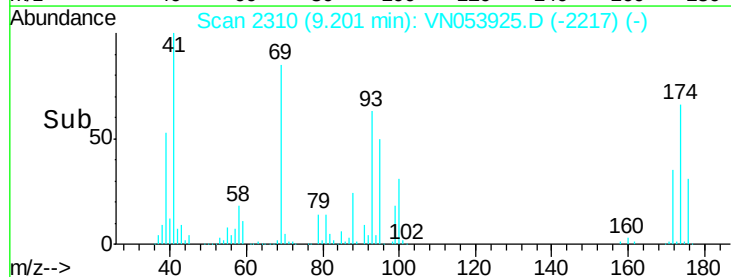


Abundance Ion 41.00 (40.70 to 41.70): VN0

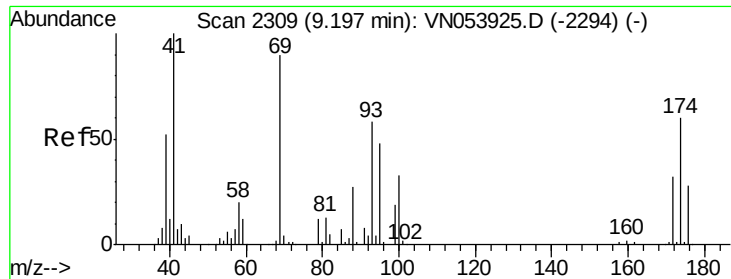
Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



Time-->



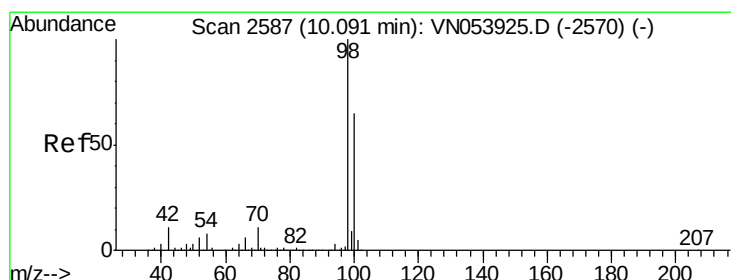
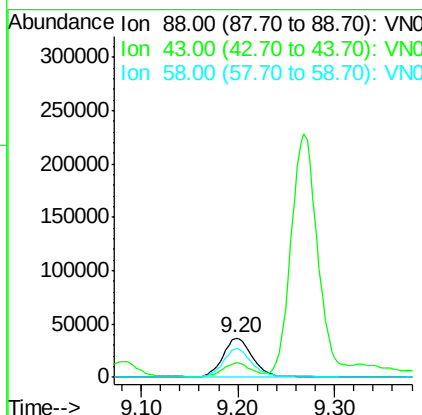
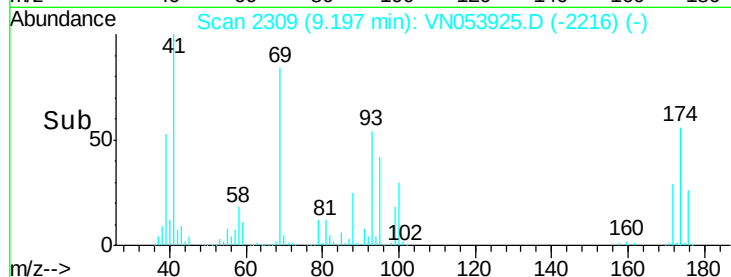
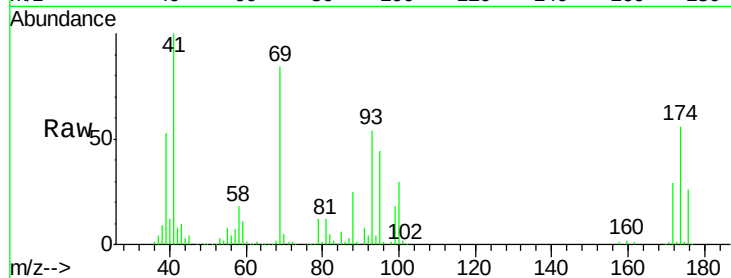
#49
1,4-Dioxane
Concen: 1112.988 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	21.2	31.8#
58	69.8	54.2	81.2

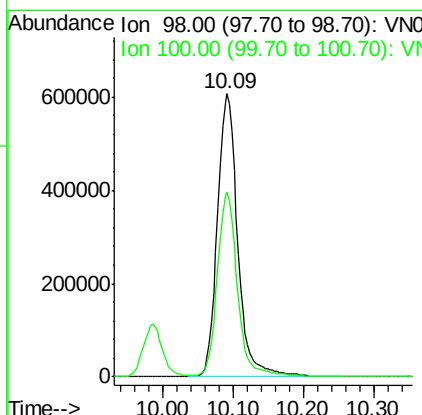
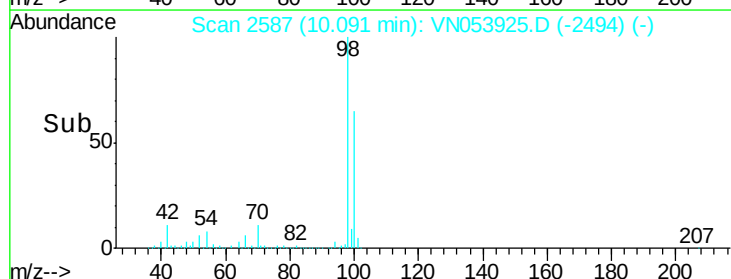
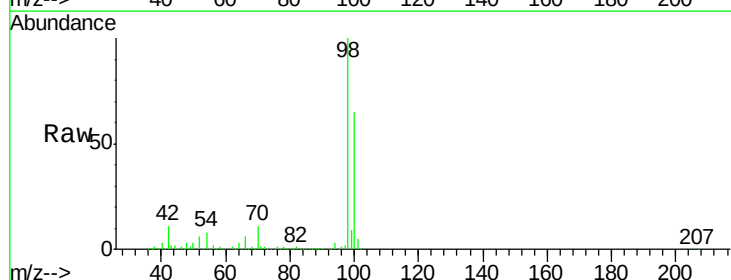
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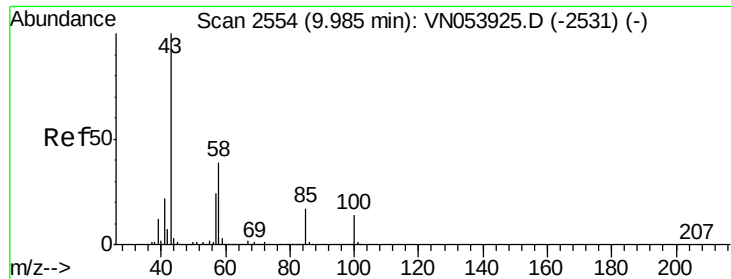
MMDadoda
2/28/2019 10:48:06 AM



#50
Toluene-d8
Concen: 49.478 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 271.360 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1601994

Ion Ratio Lower Upper

43 100

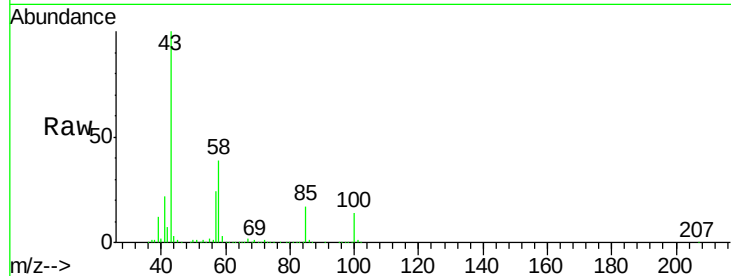
58 38.4 32.7 49.1

Manual Integrations

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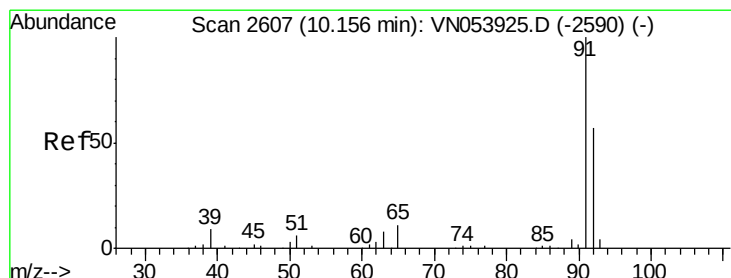
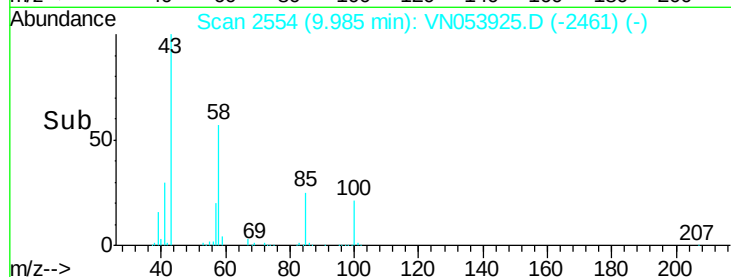
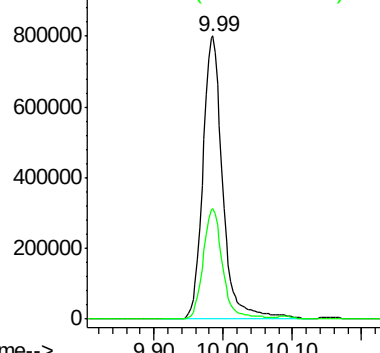
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.798 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053925.D

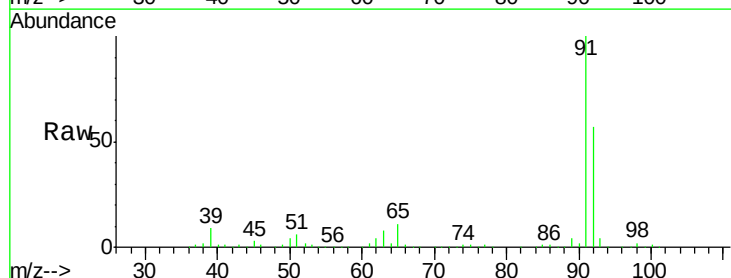
Acq: 25 Feb 2019 13:03

Tgt Ion: 92 Resp: 875640

Ion Ratio Lower Upper

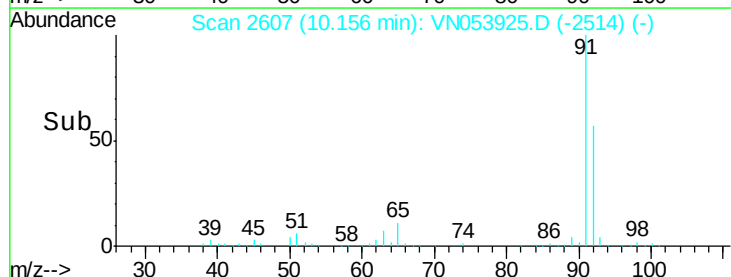
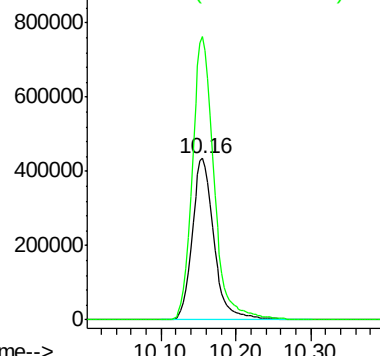
92 100

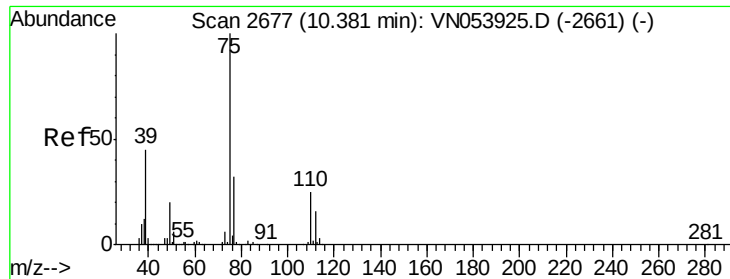
91 175.1 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.658 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 485696

Ion Ratio Lower Upper

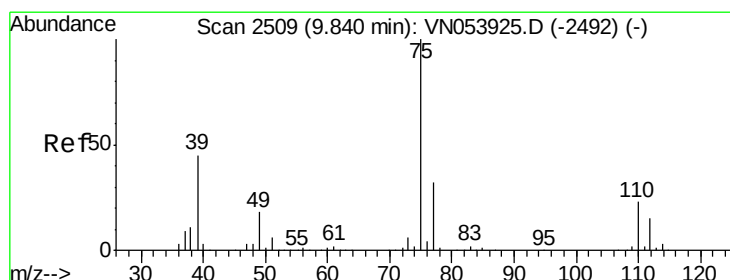
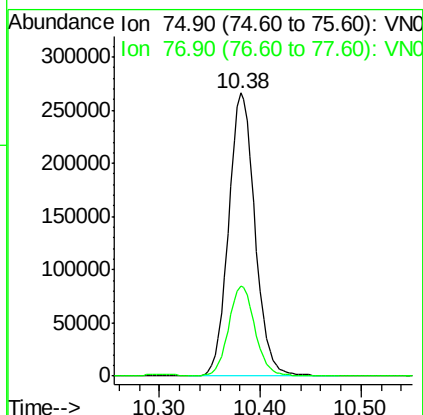
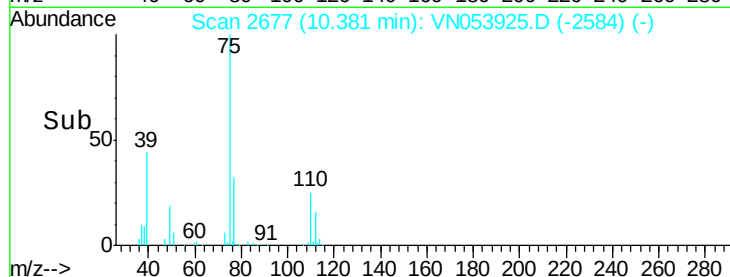
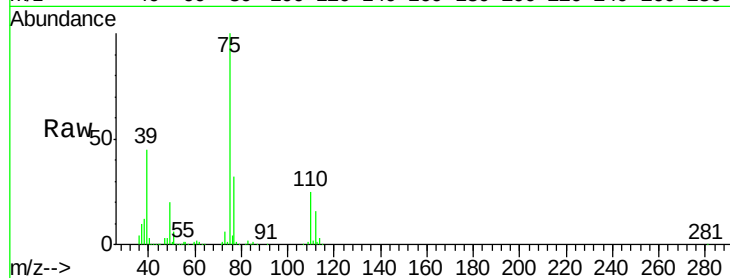
75 100

77 31.7 25.0 37.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.985 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

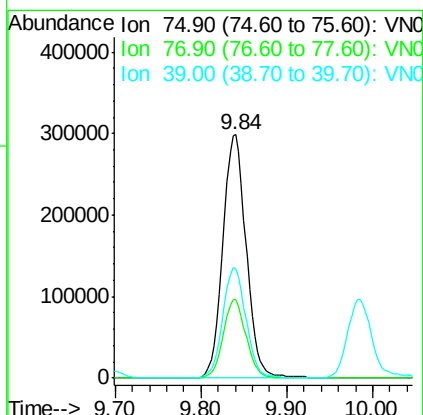
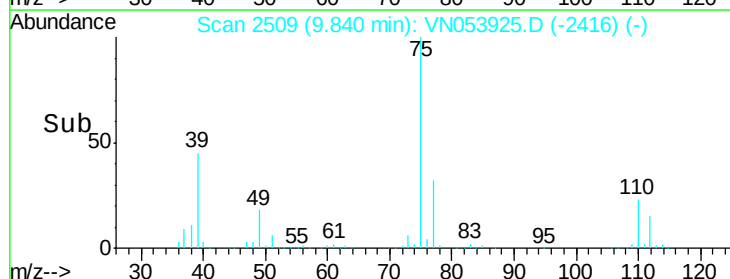
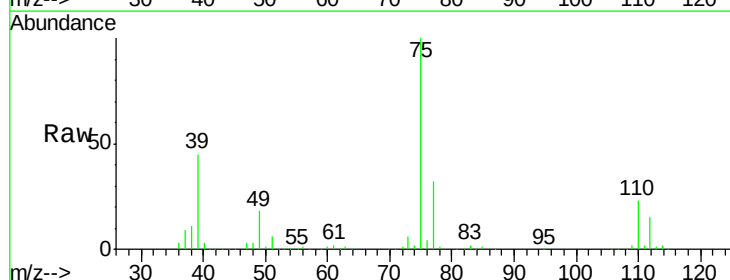
Tgt Ion: 75 Resp: 565124

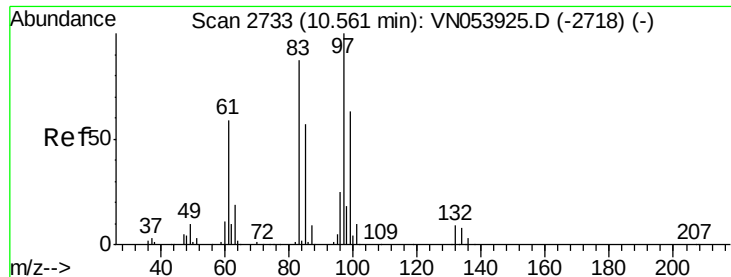
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 44.8 31.4 47.0





#55

1,1,2-Trichloroethane

Concen: 49.977 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 97 Resp: 321736

Ion Ratio Lower Upper

97 100

83 87.1 69.5 104.3

85 57.3 45.9 68.9

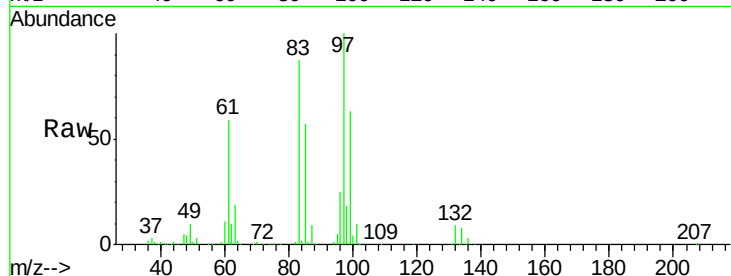
99 62.8 49.1 73.7

Manual Integrations

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2/28/2019 10:48:06 AM

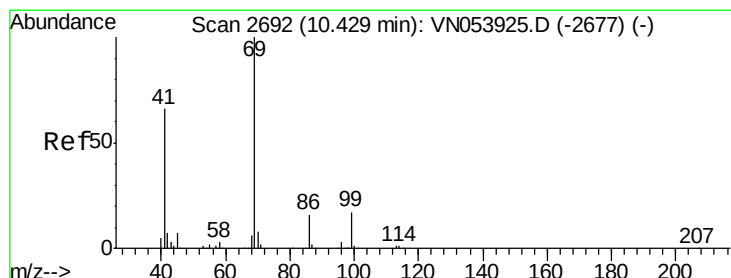
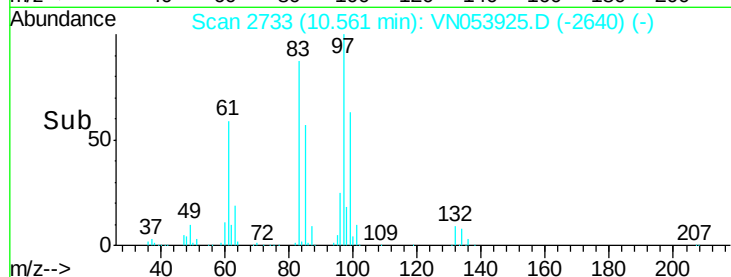
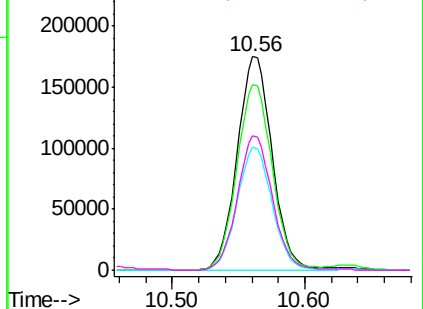


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.735 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

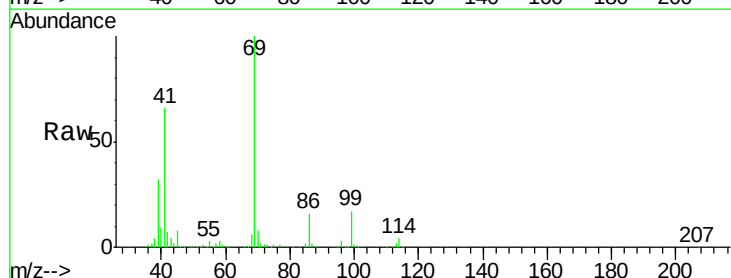
Tgt Ion: 69 Resp: 412260

Ion Ratio Lower Upper

69 100

41 65.4 47.5 71.3

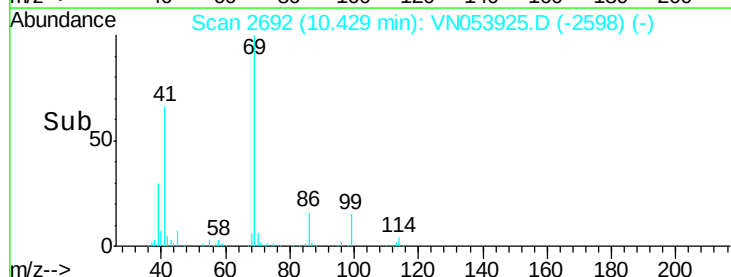
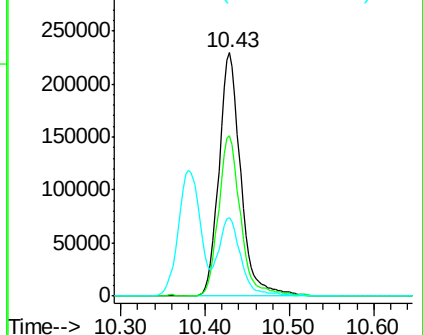
39 32.3 23.4 35.0

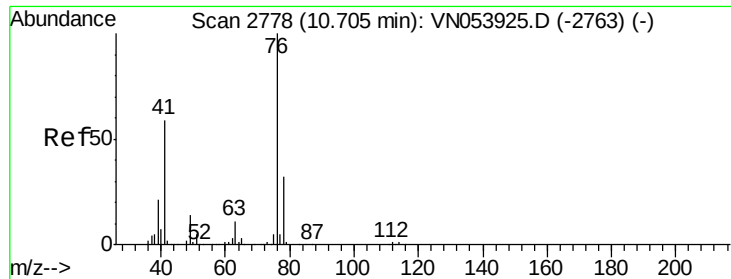


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.524 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 549565

Ion Ratio Lower Upper

76 100

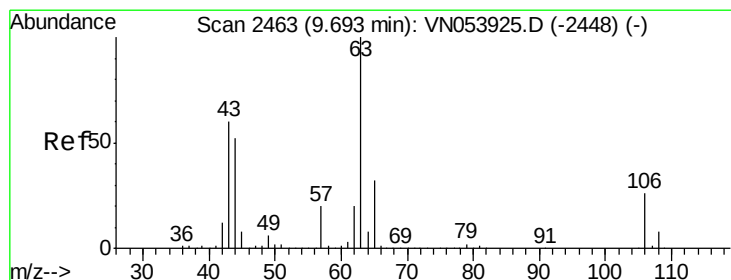
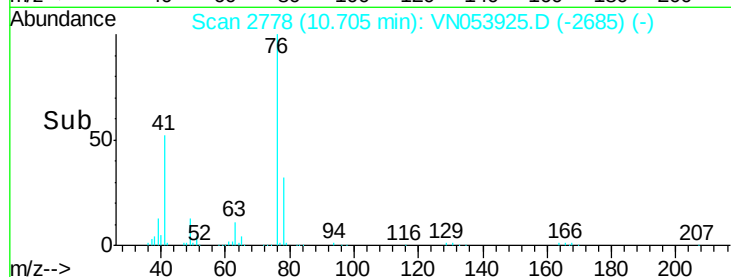
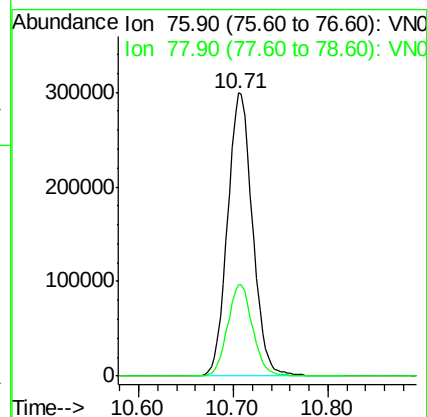
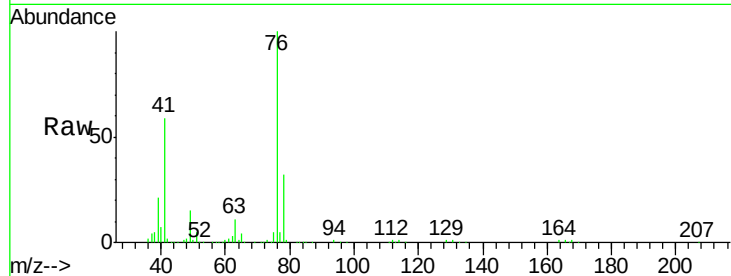
78 32.6 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 283.168 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053925.D

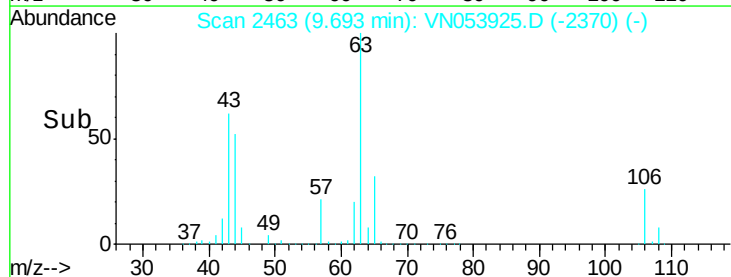
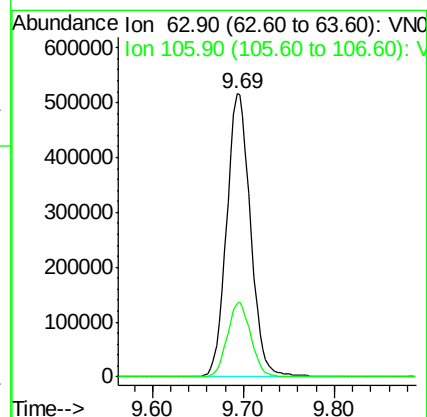
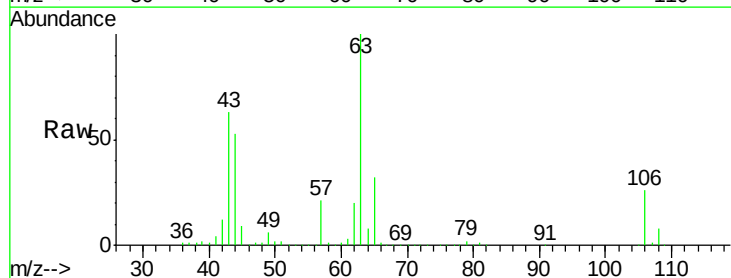
Acq: 25 Feb 2019 13:03

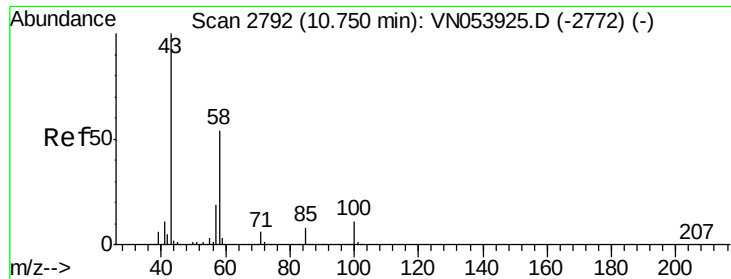
Tgt Ion: 63 Resp: 941775

Ion Ratio Lower Upper

63 100

106 26.0 22.2 33.2





#59

2-Hexanone

Concen: 273.224 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1049062

Ion Ratio Lower Upper

43 100

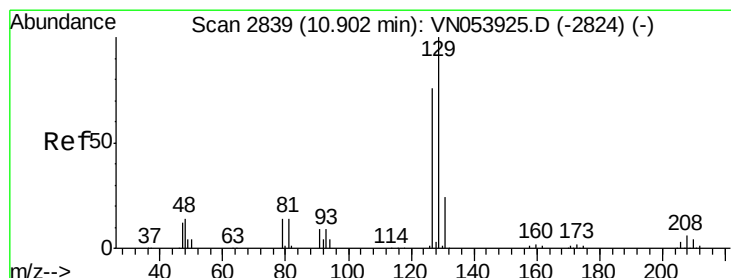
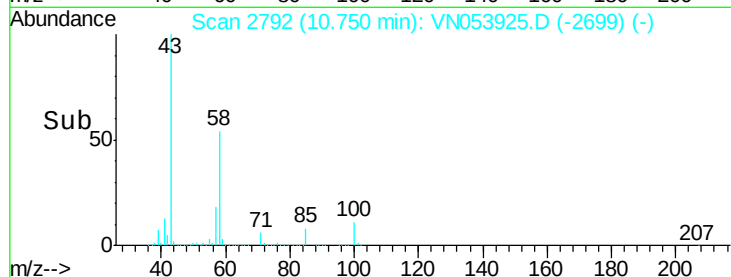
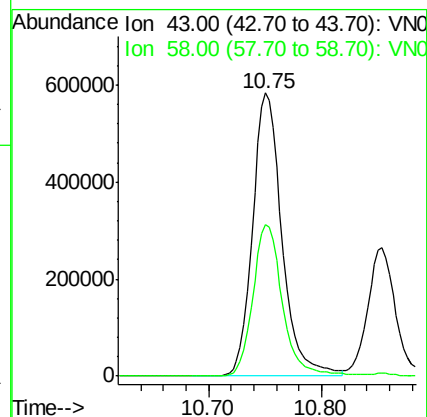
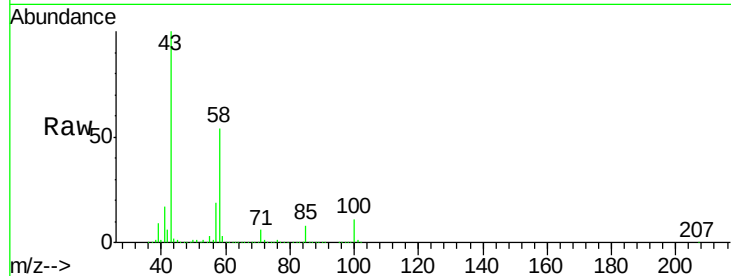
58 54.0 29.1 87.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.411 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053925.D

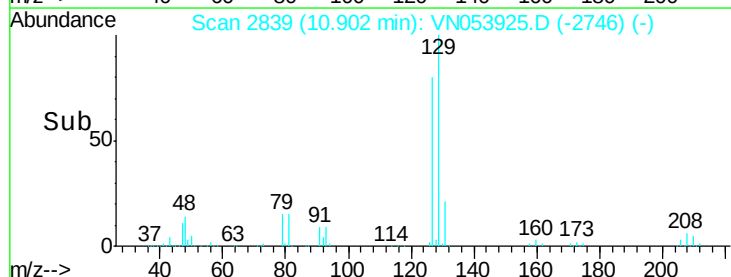
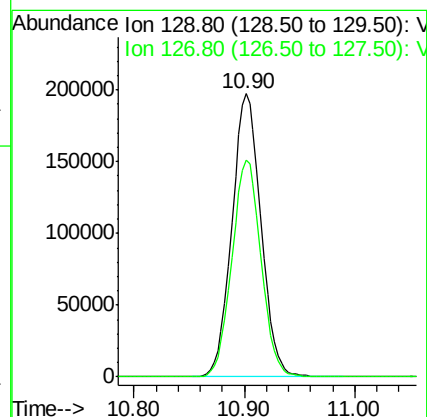
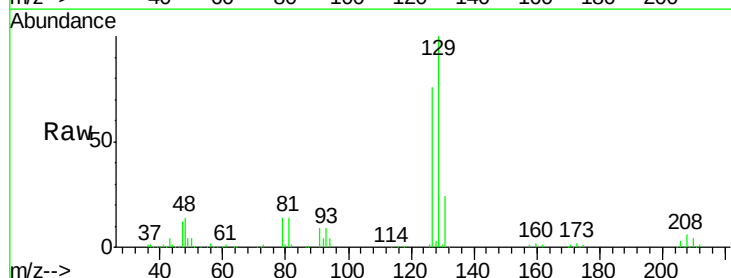
Acq: 25 Feb 2019 13:03

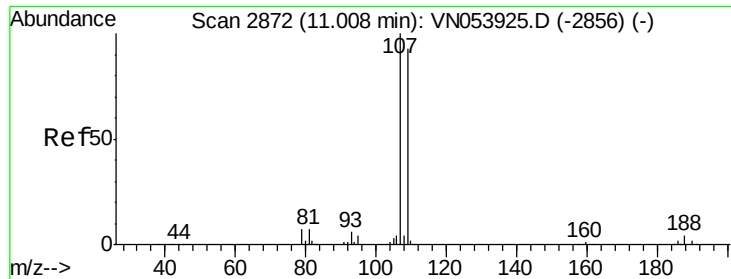
Tgt Ion: 129 Resp: 360667

Ion Ratio Lower Upper

129 100

127 76.8 38.8 116.3





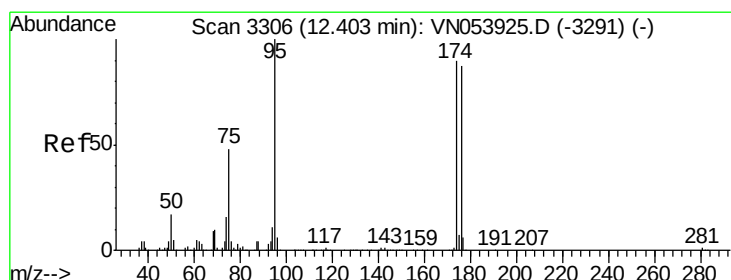
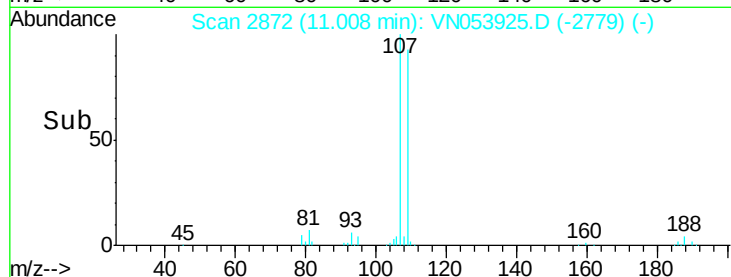
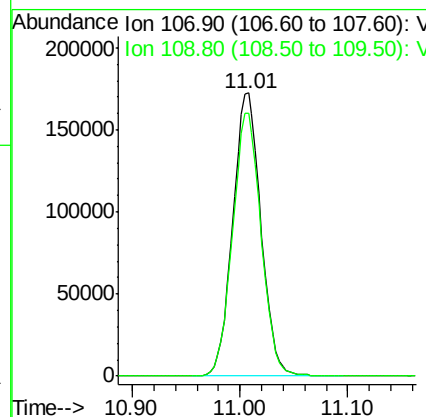
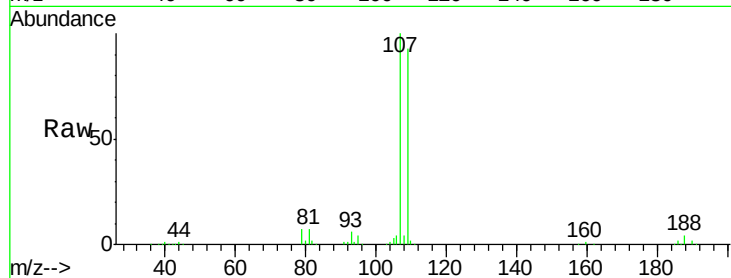
#61
 1,2-Dibromoethane
 Concen: 50.557 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	313963		
109	94.2	76.3	114.5	

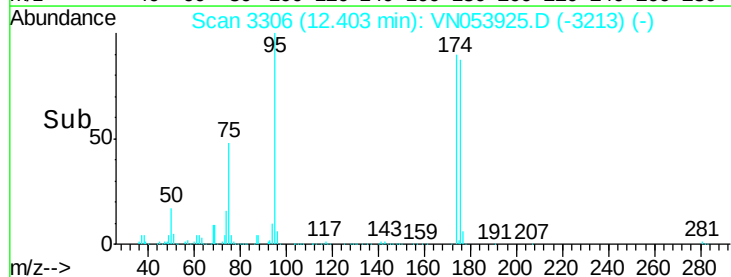
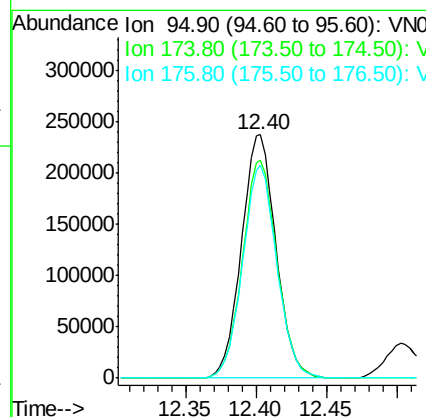
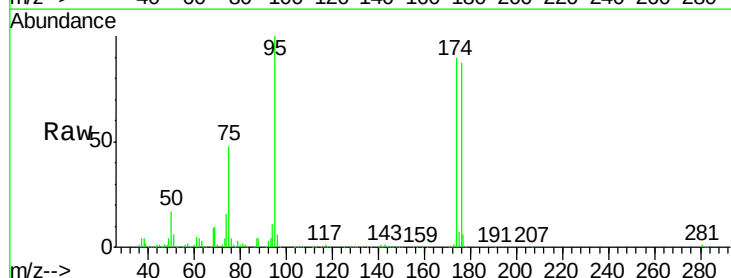
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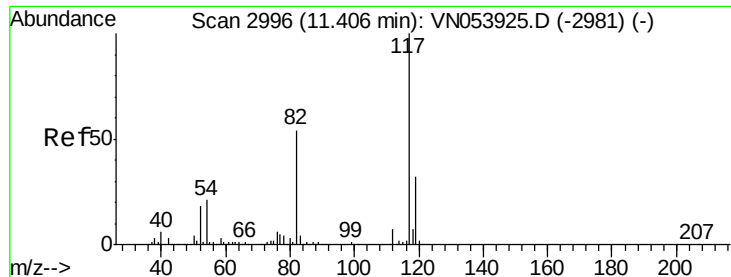
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#62
 4-Bromofluorobenzene
 Concen: 49.437 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	406287		
174	89.5	0.0	188.8	
176	86.5	0.0	182.6	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

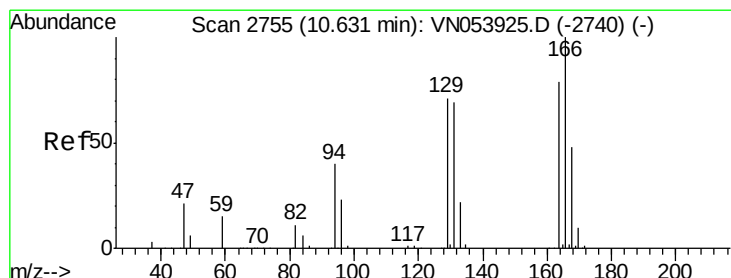
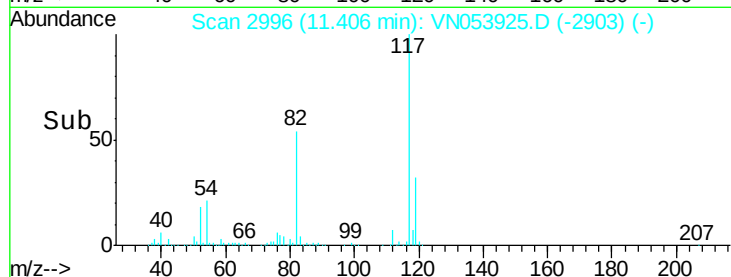
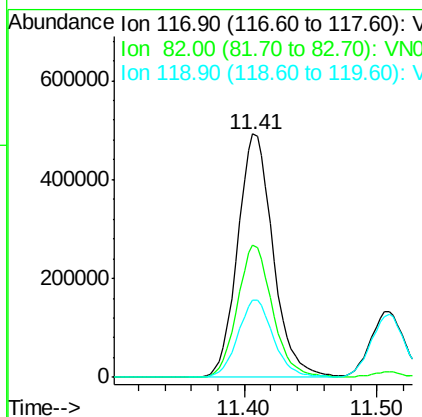
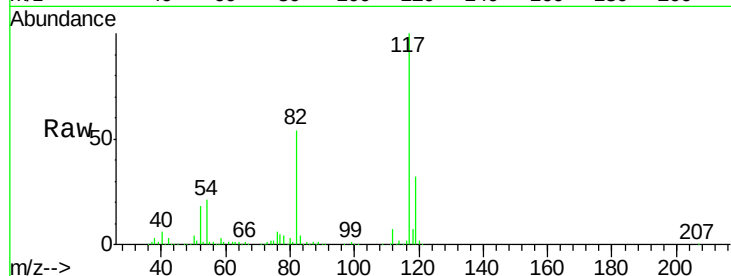
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	913597
Ion Ratio		Lower	Upper
117	100		
82	54.4	41.4	62.2
119	31.7	25.3	37.9

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#64

Tetrachloroethene

Concen: 47.942 ug/l

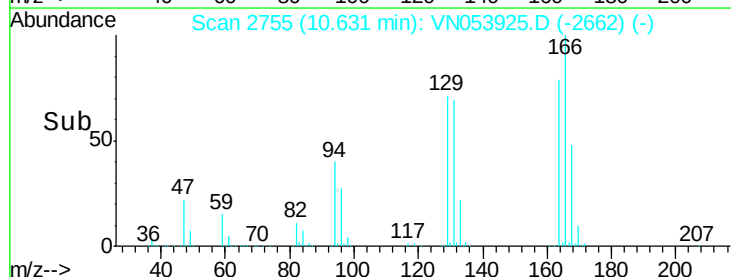
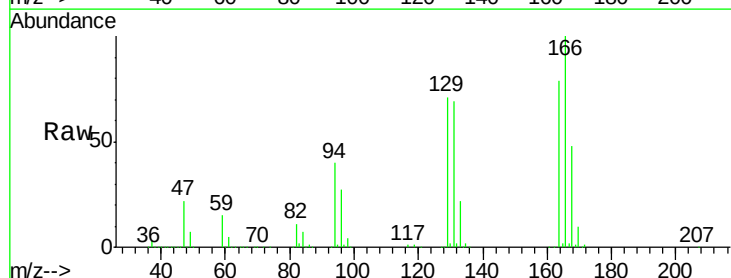
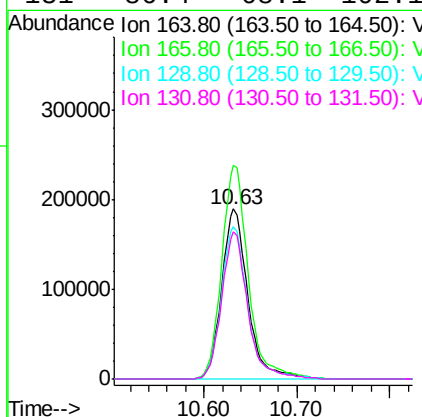
RT: 10.63 min Scan# 2755

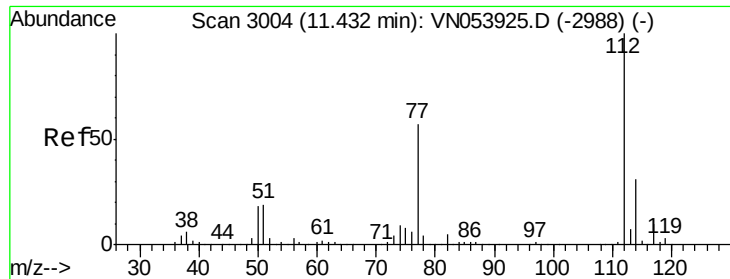
Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion:	164	Resp:	370884
Ion Ratio		Lower	Upper
164	100		
166	125.8	102.6	153.8
129	89.7	69.4	104.0
131	86.4	68.1	102.1





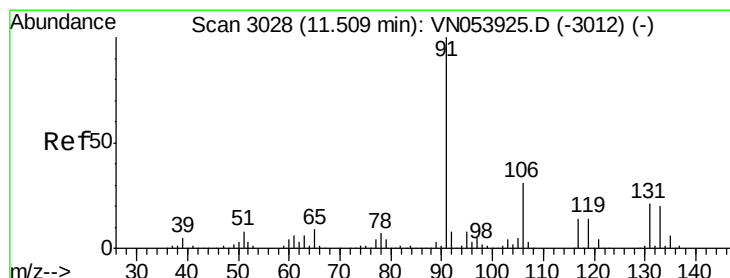
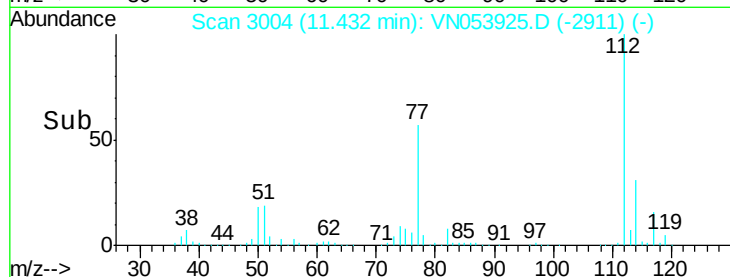
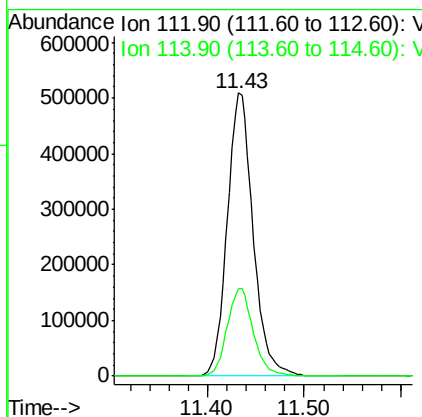
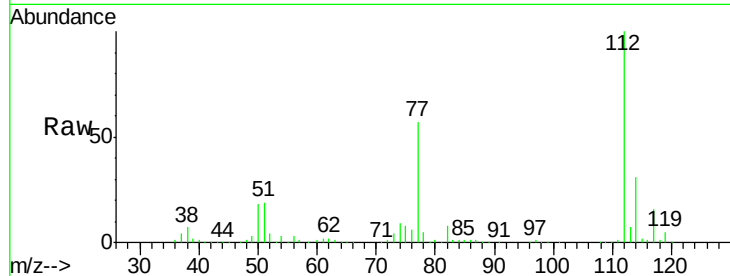
#65
Chlorobenzene
Concen: 48.876 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 942396
Ion Ratio Lower Upper
112 100
114 31.0 25.7 38.5

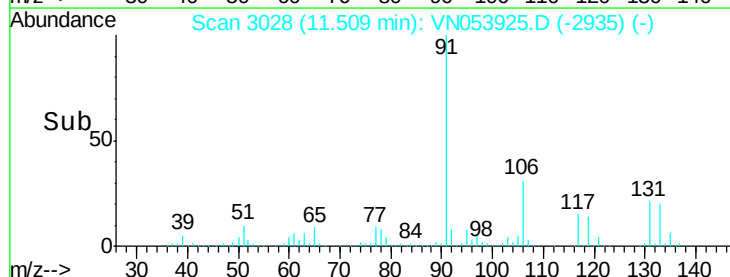
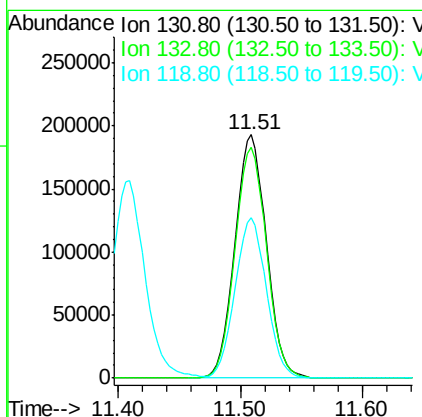
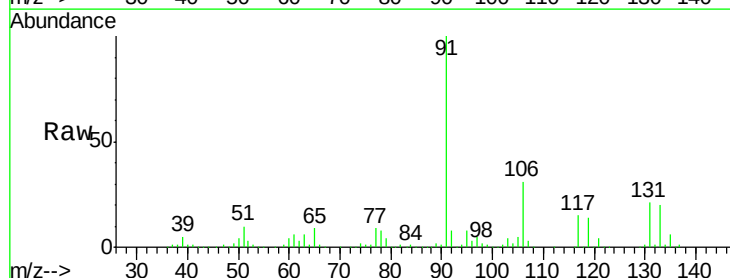
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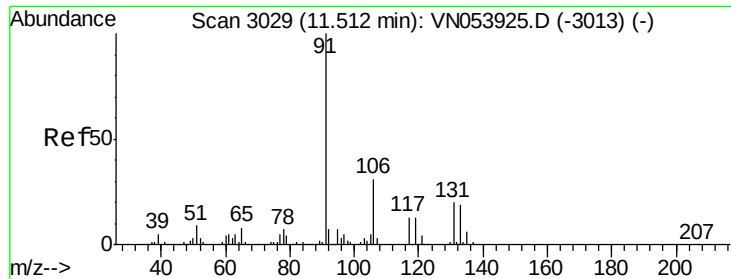
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.605 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion:131 Resp: 344705
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.8 33.1 99.3





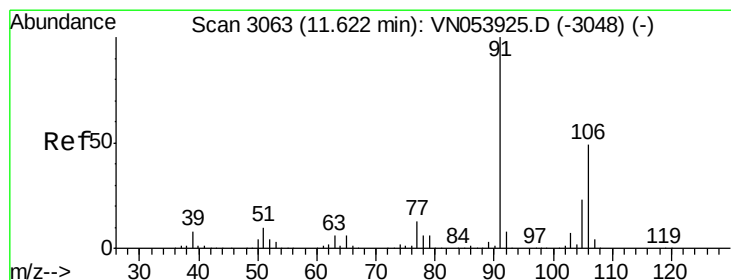
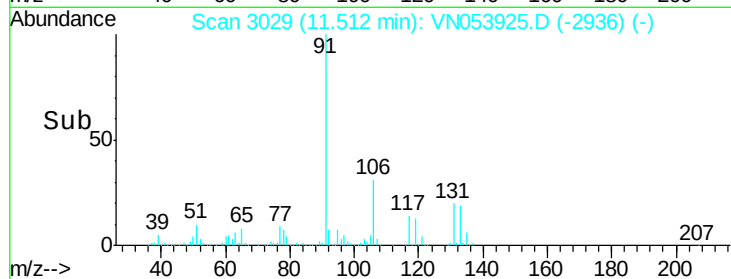
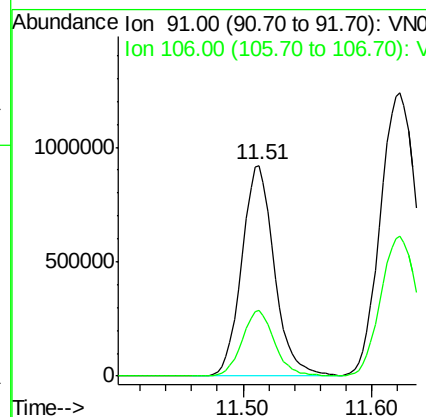
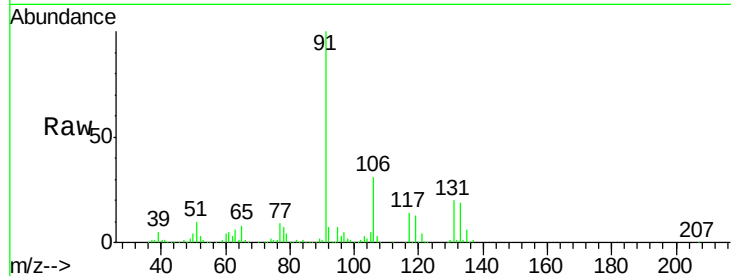
#67
Ethyl Benzene
Concen: 50.058 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1618046
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

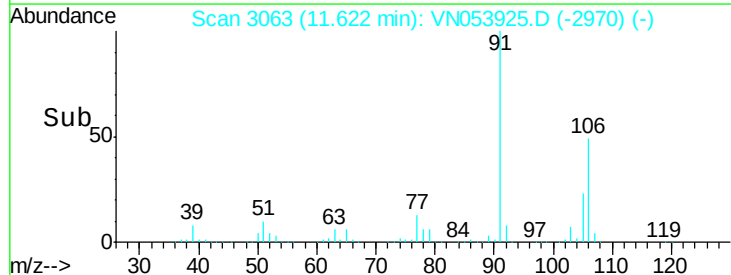
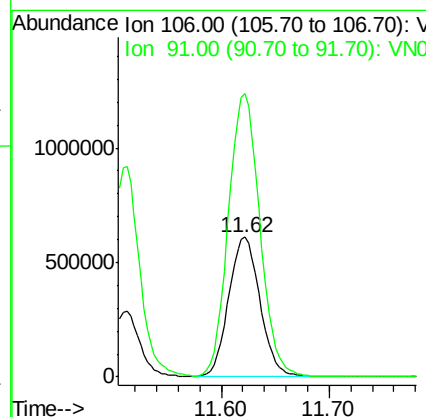
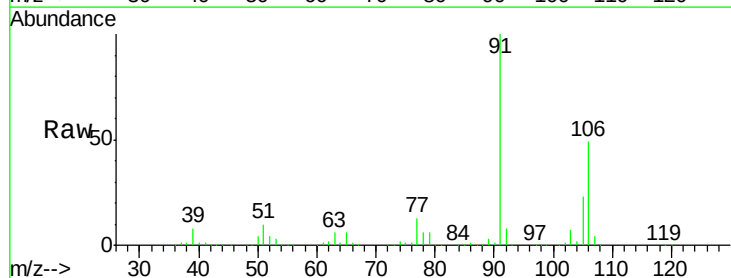
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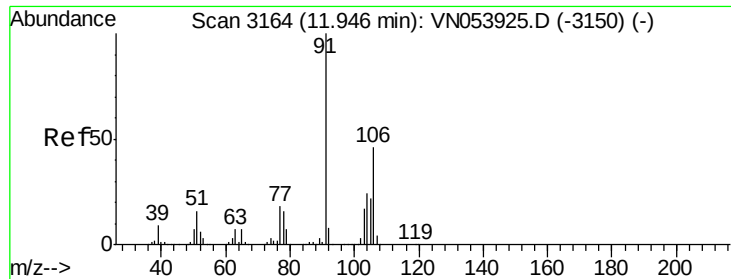
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#68
m/p-Xylenes
Concen: 101.392 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion: 106 Resp: 1236946
Ion Ratio Lower Upper
106 100
91 203.1 158.9 238.3





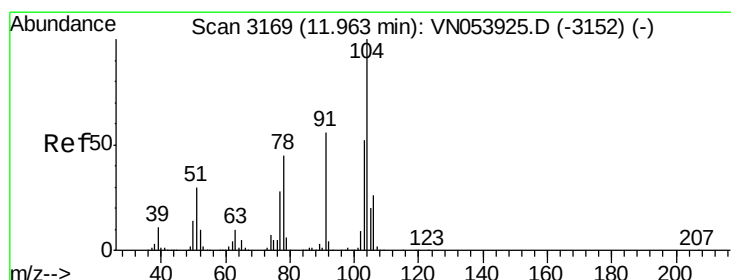
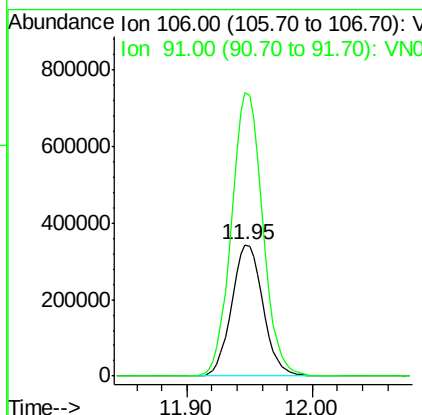
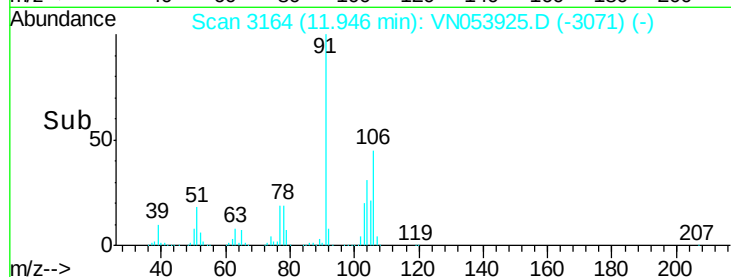
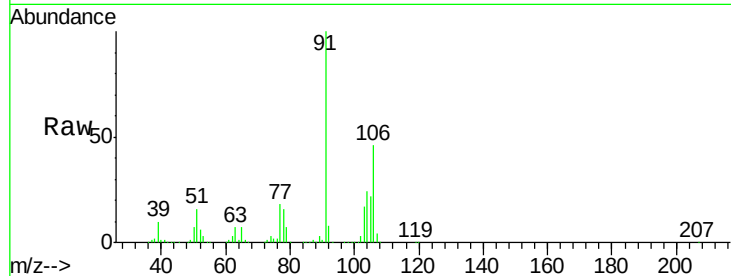
#69
o-Xylene
Concen: 49.561 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	594092		
91	91	215.6	106.0	318.0	

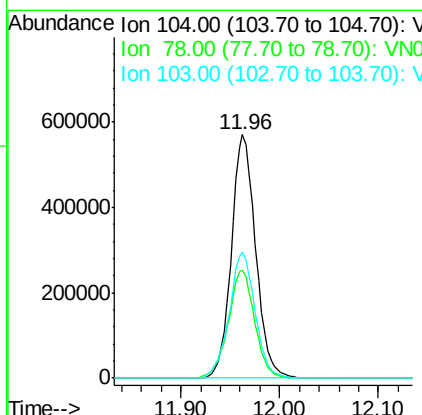
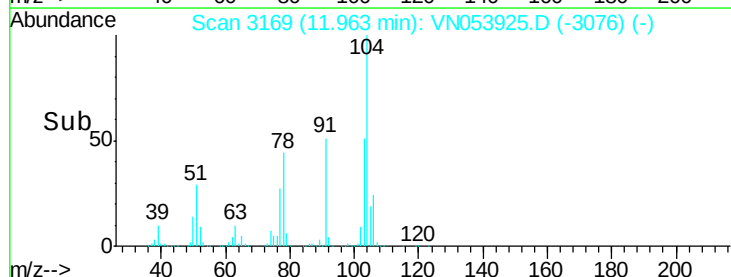
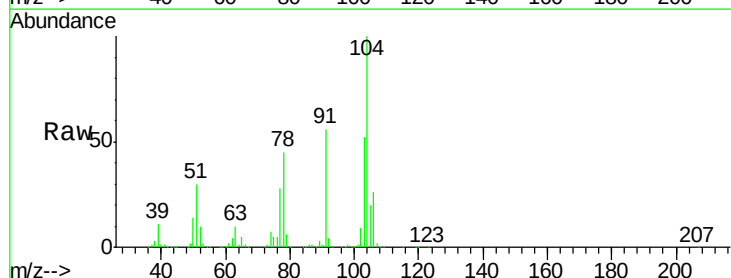
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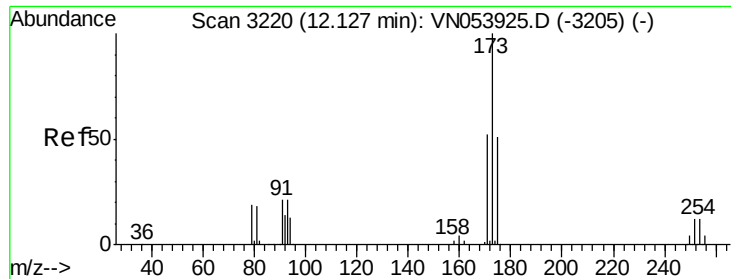
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#70
Styrene
Concen: 53.011 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	977392		
78	78	48.6	38.1	57.1	
103	103	55.5	44.6	67.0	





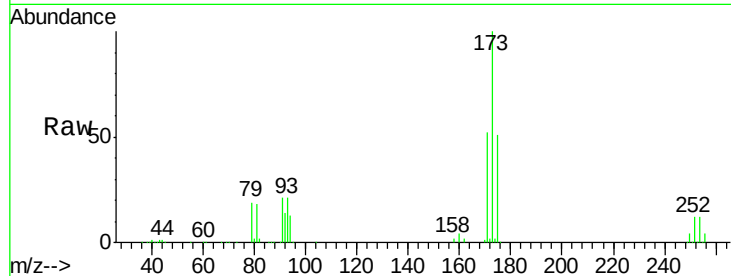
#71
Bromoform
Concen: 51.531 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

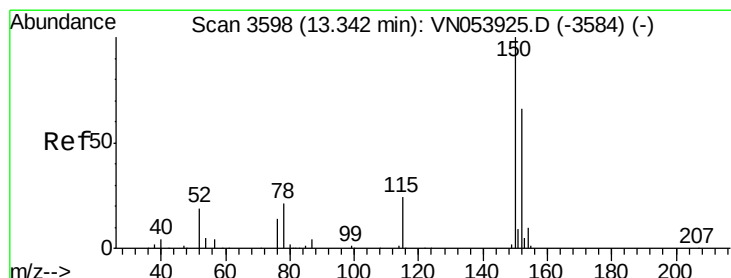
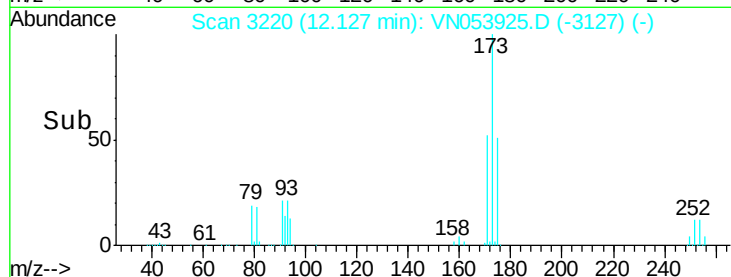
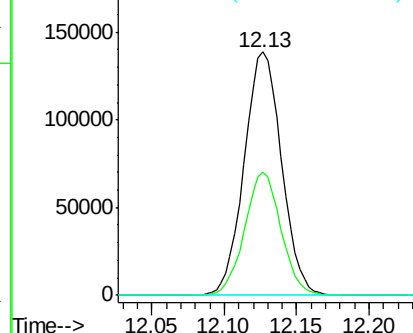
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.2	0.2	0.2

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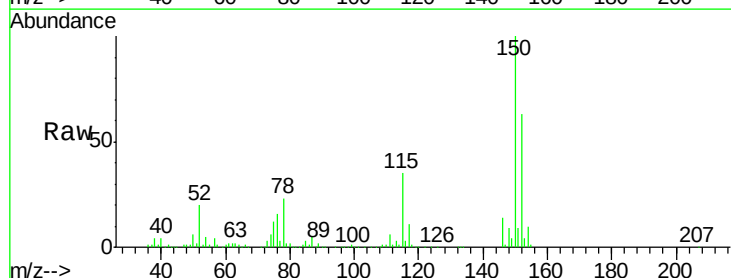


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

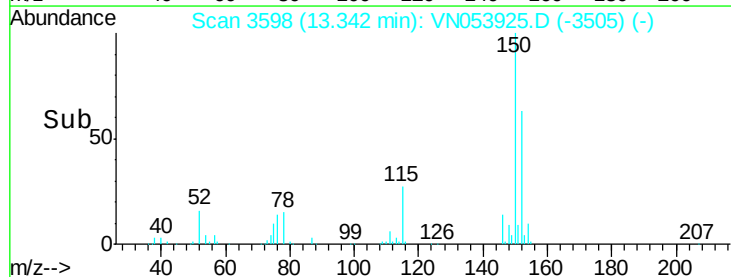
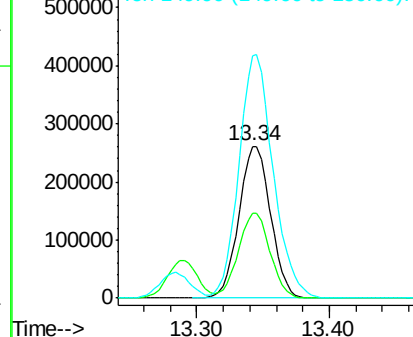


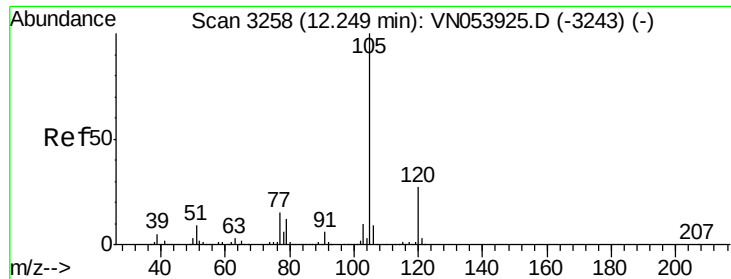
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.2	81.6
150	173.2	0.0	348.2



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





#73

Isopropylbenzene

Concen: 46.285 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1558601

Ion Ratio Lower Upper

105 100

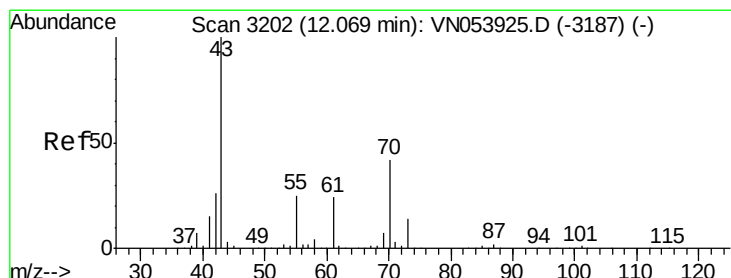
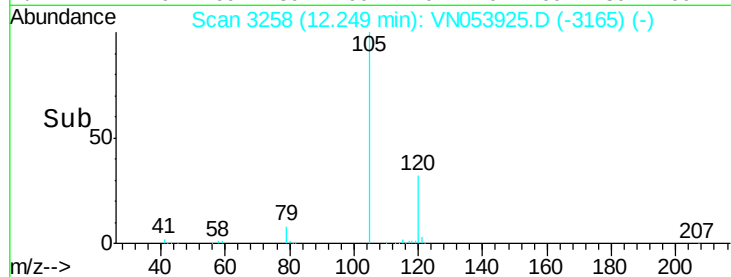
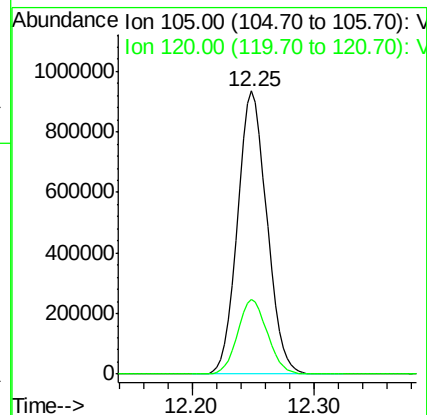
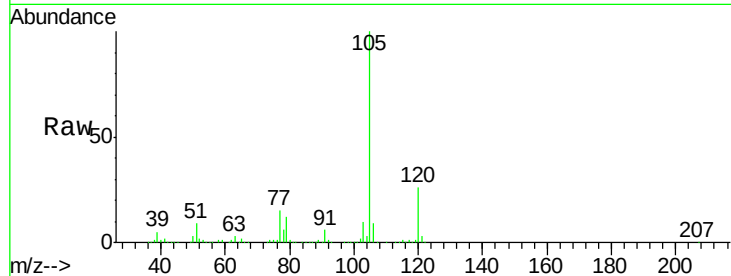
120 26.7 13.5 40.5

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#74

N-ethyl acetate

Concen: 51.299 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion: 43 Resp: 452760

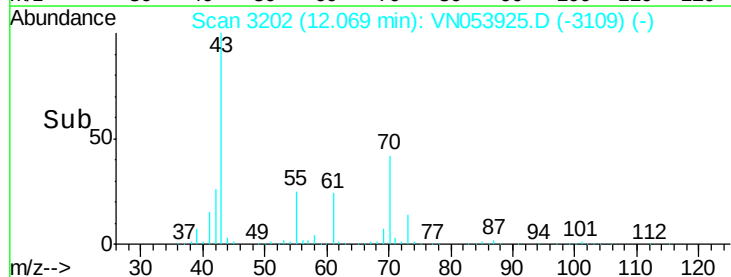
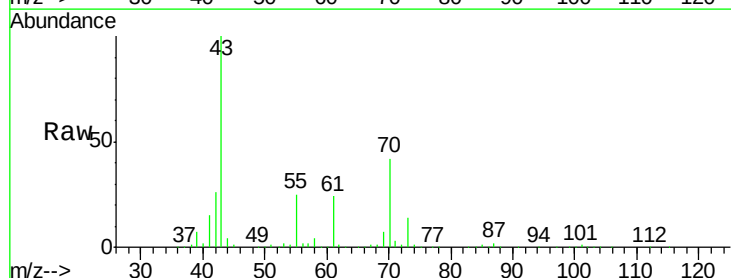
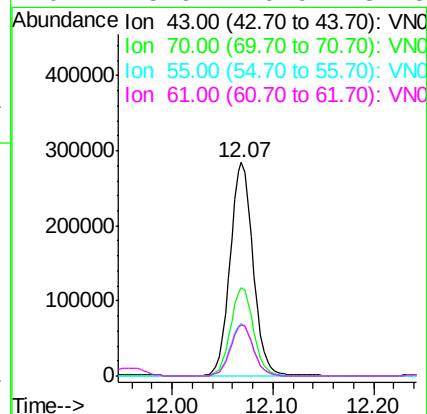
Ion Ratio Lower Upper

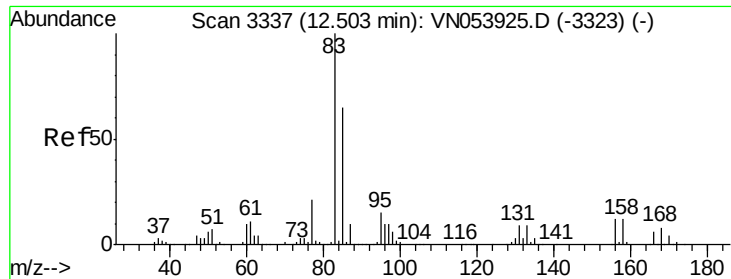
43 100

70 41.5 37.4 56.2

55 24.8 21.4 32.0

61 23.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.400 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 390725

Ion Ratio Lower Upper

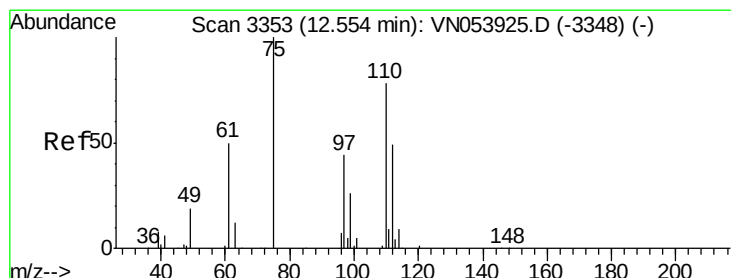
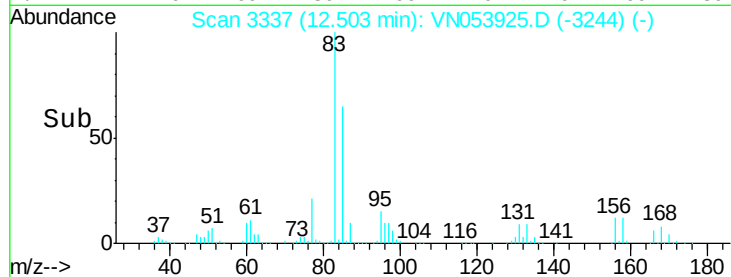
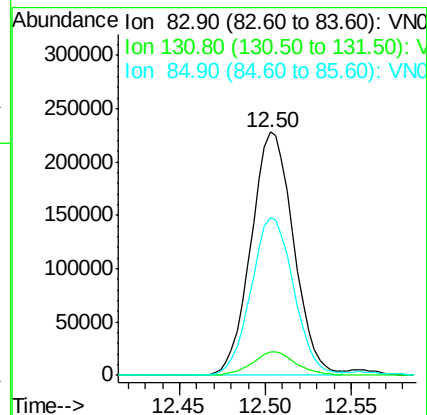
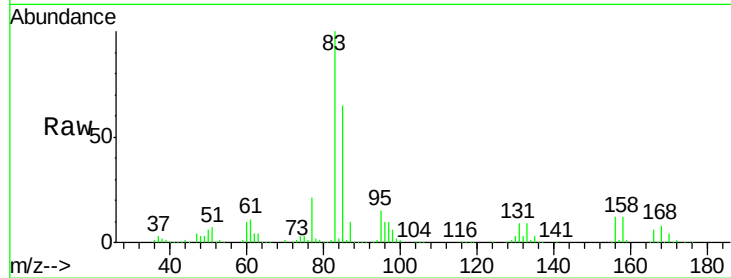
83 100

131 9.9 5.3 16.1

85 65.0 31.9 95.9

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#76

1,2,3-Trichloropropane

Concen: 47.364 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053925.D

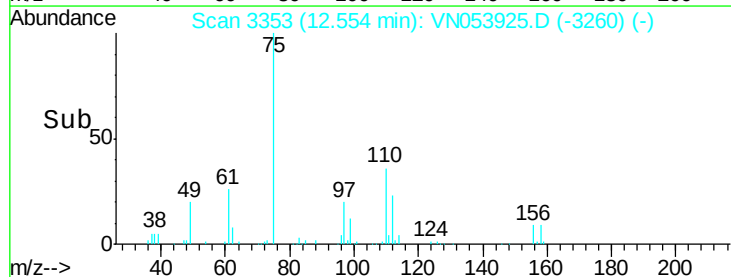
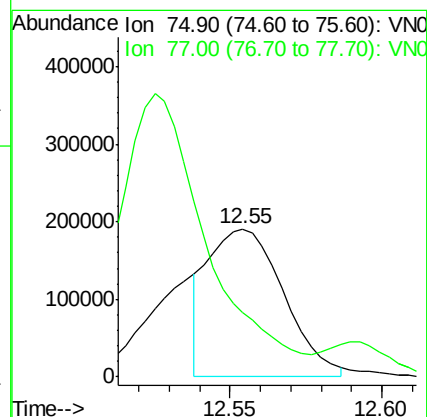
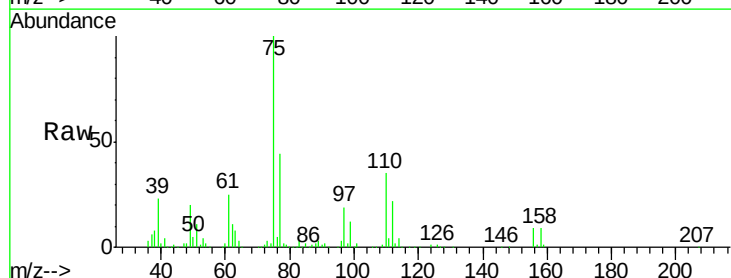
Acq: 25 Feb 2019 13:03

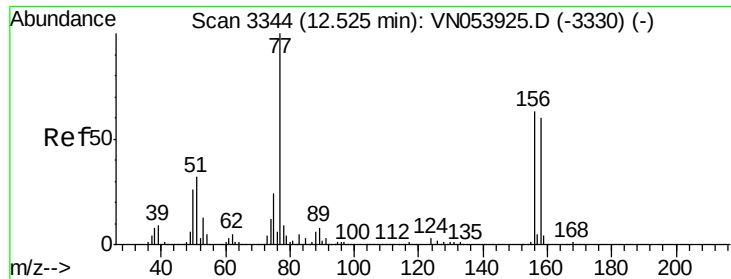
Tgt Ion: 75 Resp: 328680

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.180 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

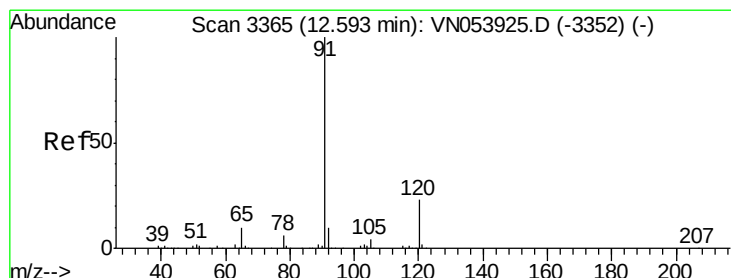
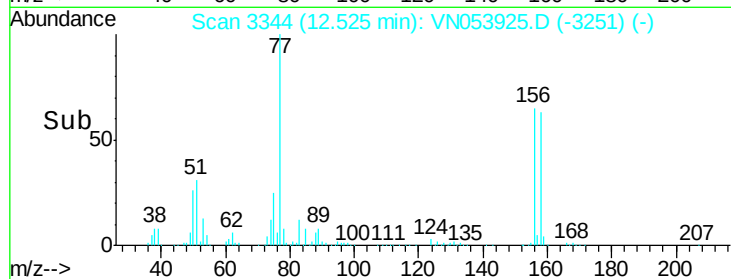
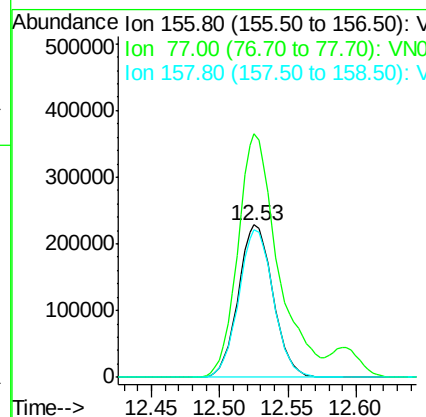
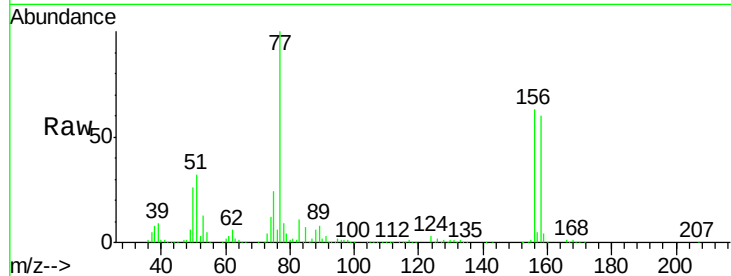
ClientSampled :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		403369		
77	184.7	84.0	252.2		
158	96.8	48.5	145.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 48.072 ug/l

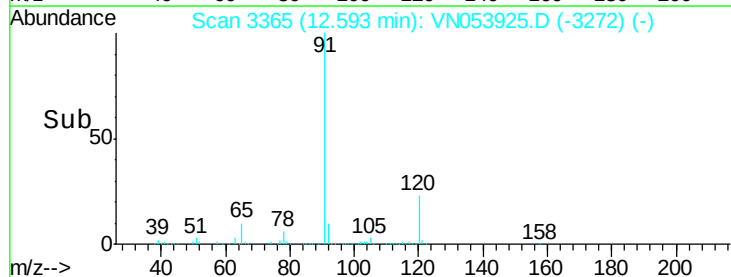
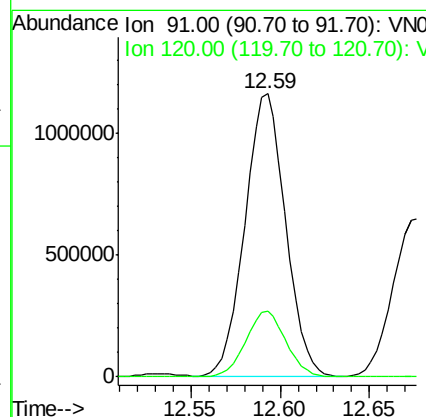
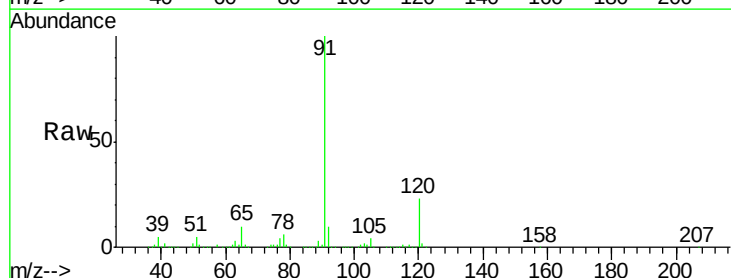
RT: 12.59 min Scan# 3365

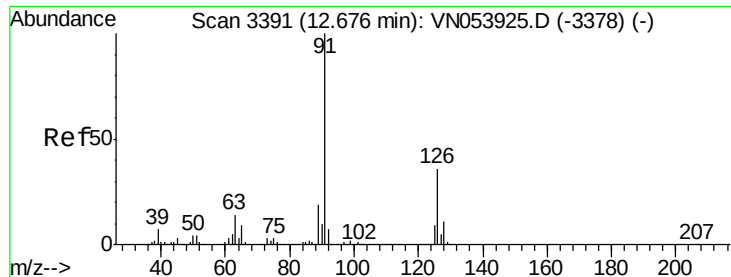
Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1840993		
120	23.0	11.9	35.9		





#79

2-Chlorotoluene

Concen: 46.891 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1078744

Ion Ratio Lower Upper

91 100

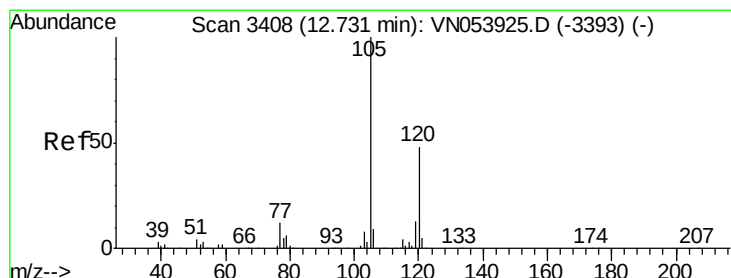
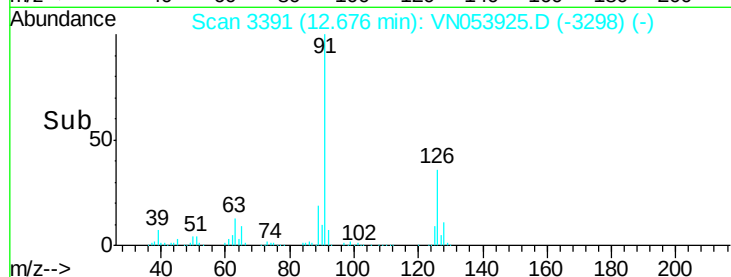
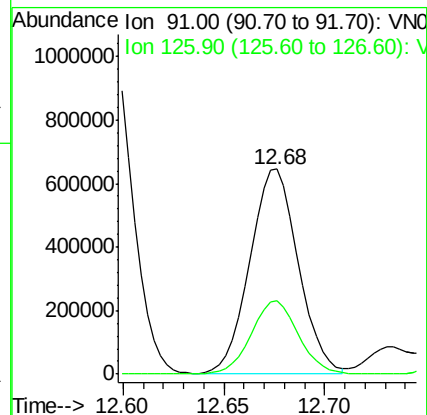
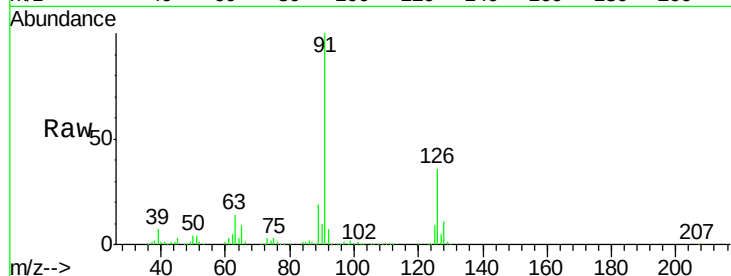
126 35.1 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.511 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053925.D

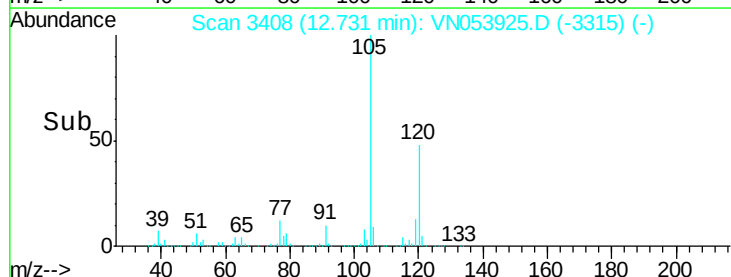
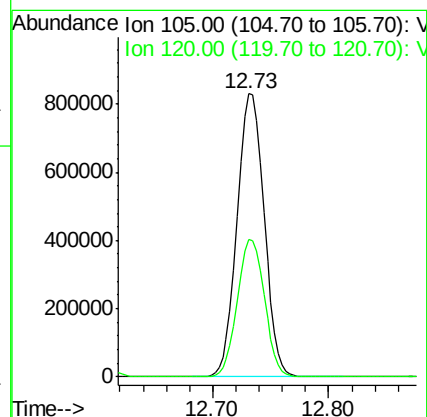
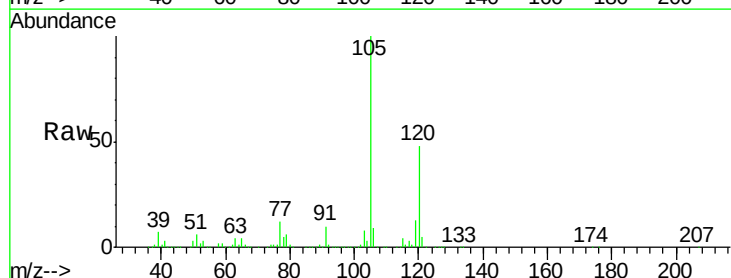
Acq: 25 Feb 2019 13:03

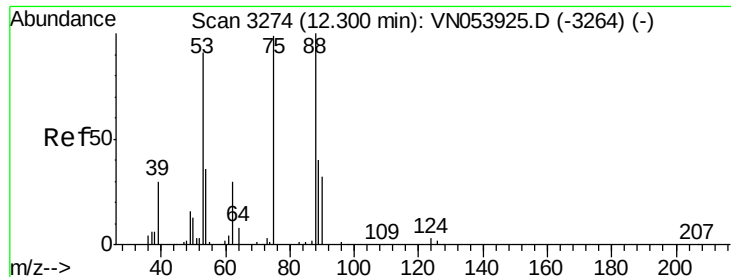
Tgt Ion: 105 Resp: 1337347

Ion Ratio Lower Upper

105 100

120 48.7 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.764 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

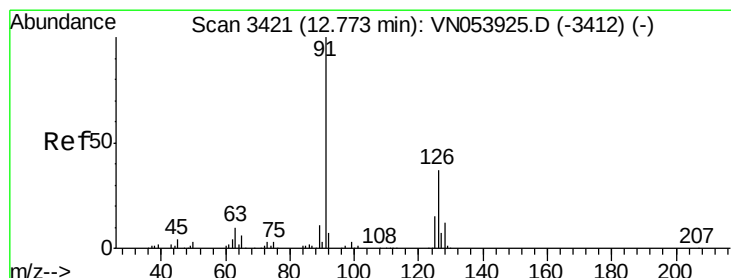
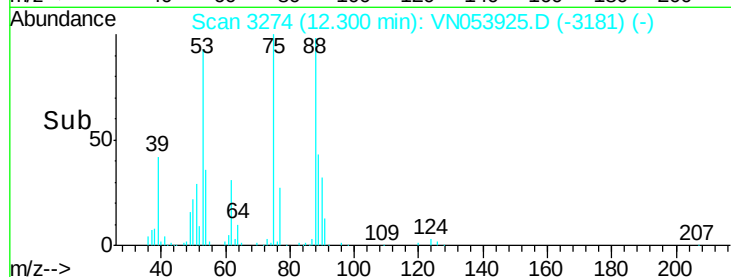
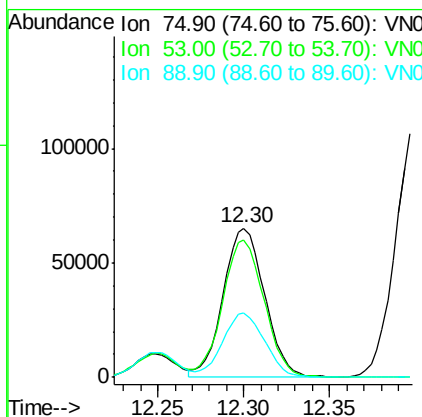
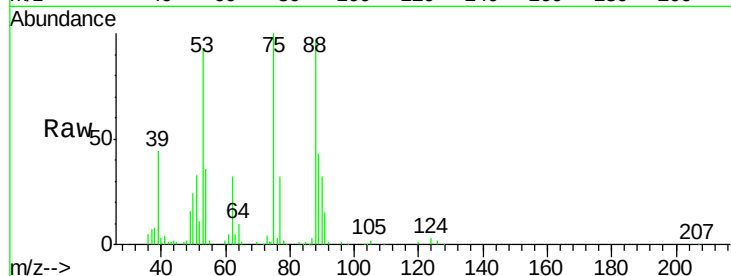
ClientSampled :

VSTDICCC050

Tot Ion:	75	Resp:	109262
Ion	Ratio	Lower	Upper
75	100		
53	93.1	68.6	102.8
89	43.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.382 ug/l

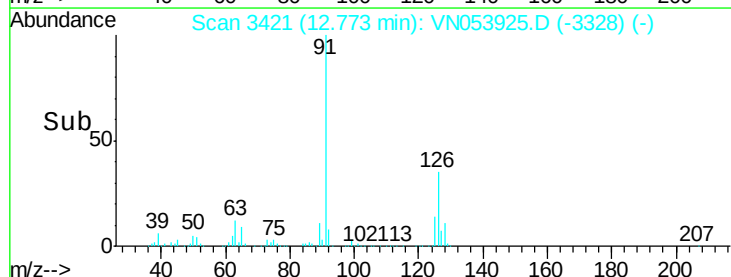
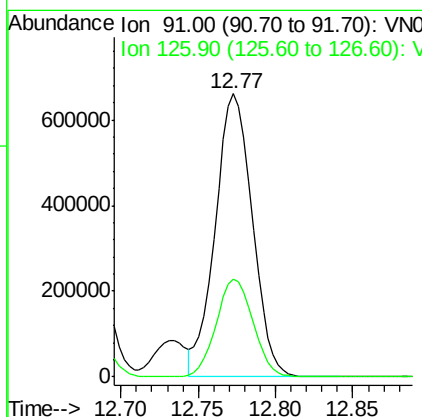
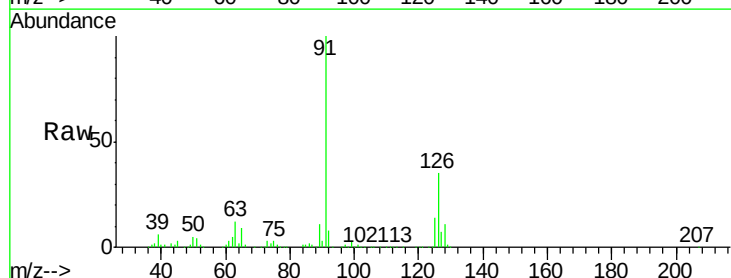
RT: 12.77 min Scan# 3421

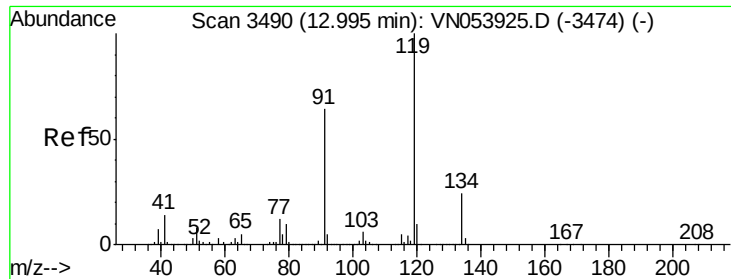
Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion:	91	Resp:	1100071
Ion	Ratio	Lower	Upper
91	100		
126	34.3	18.0	54.0





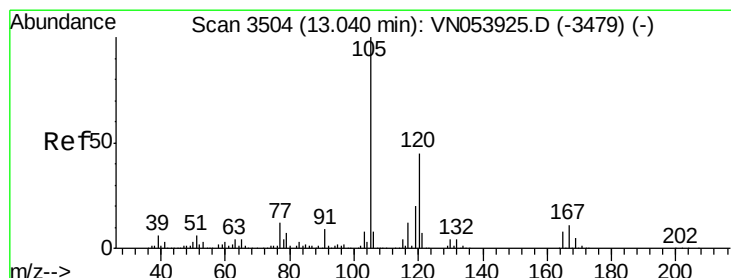
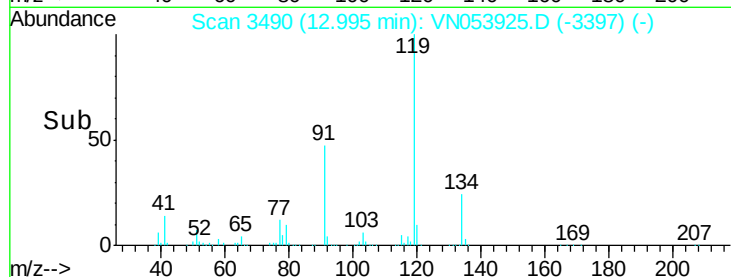
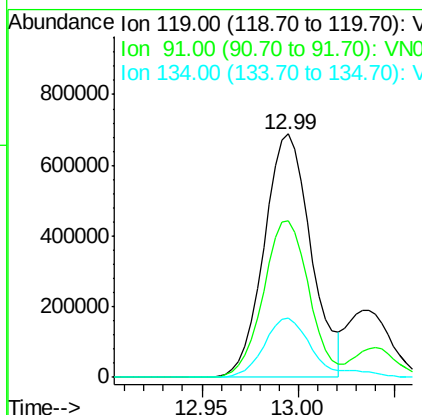
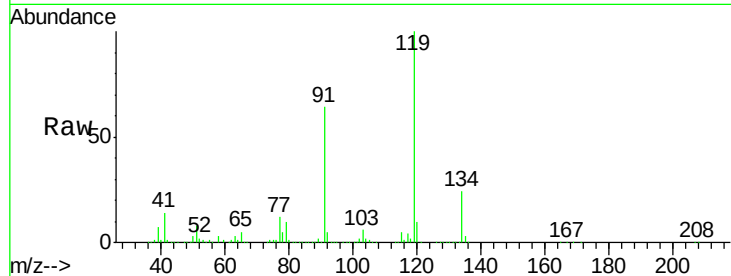
#83
tert-Butylbenzene
Concen: 47.648 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 1161772
Ion Ratio Lower Upper
119 100
91 62.5 30.6 91.8
134 25.7 13.0 39.0

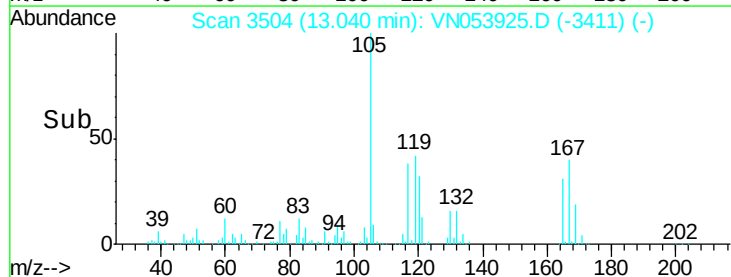
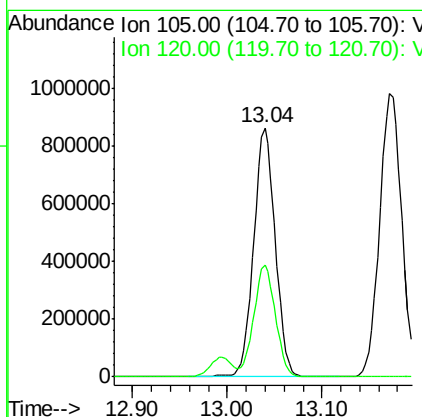
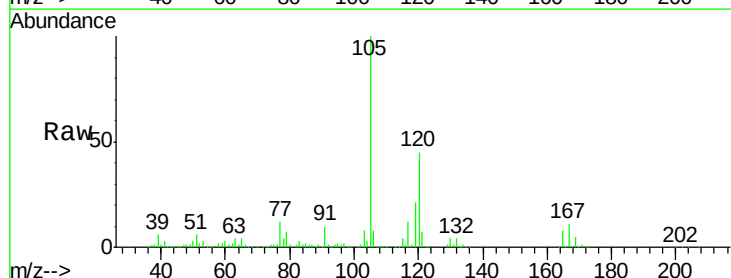
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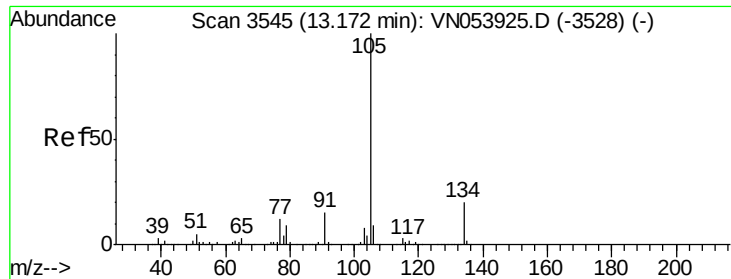
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#84
1,2,4-Trimethylbenzene
Concen: 49.572 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion:105 Resp: 1364337
Ion Ratio Lower Upper
105 100
120 45.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 47.526 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1582681

Ion Ratio Lower Upper

105 100

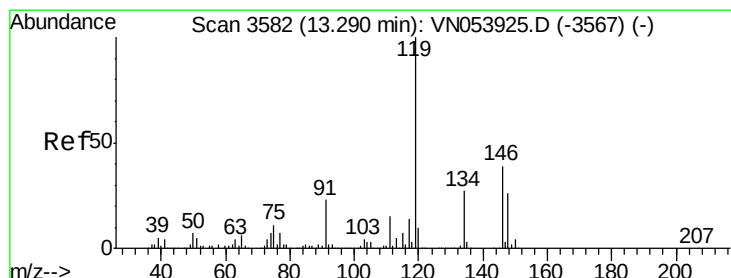
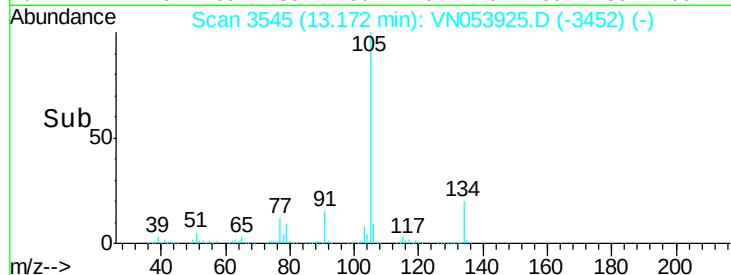
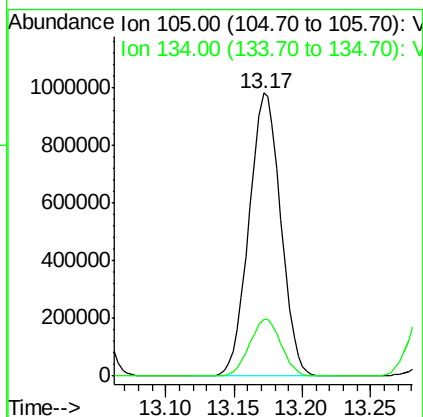
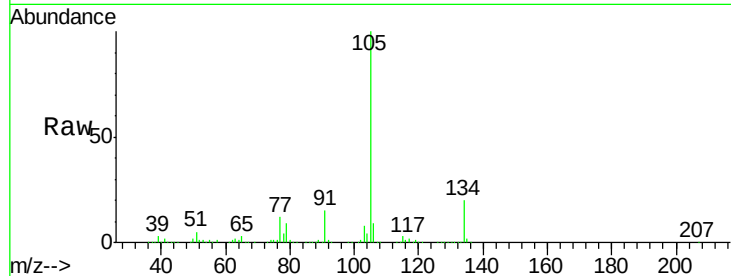
134 20.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 48.738 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

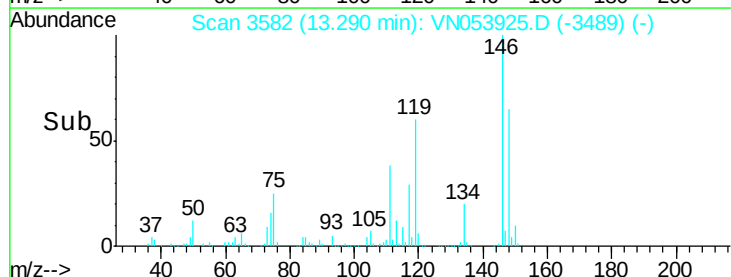
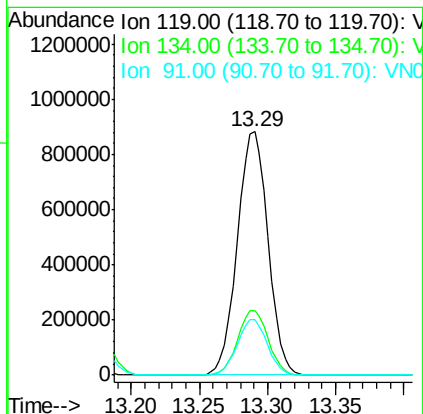
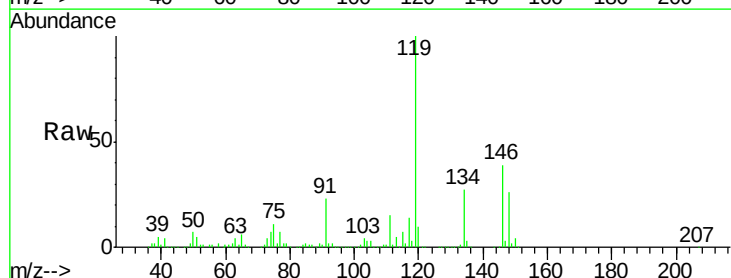
Tgt Ion:119 Resp: 1372088

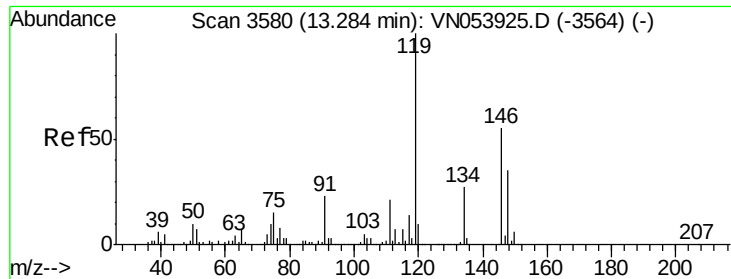
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.5 10.9 32.6





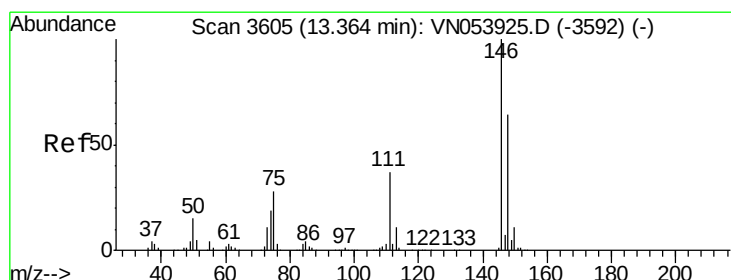
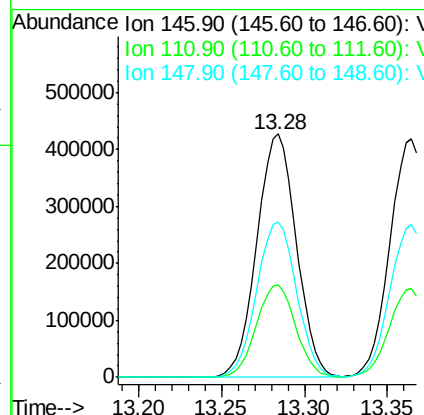
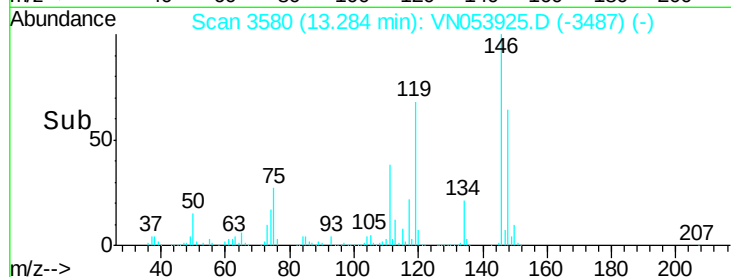
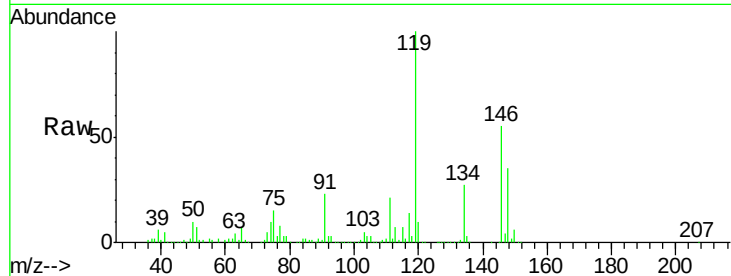
#87
 1,3-Dichlorobenzene
 Concen: 48.101 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.5	32.0	96.2

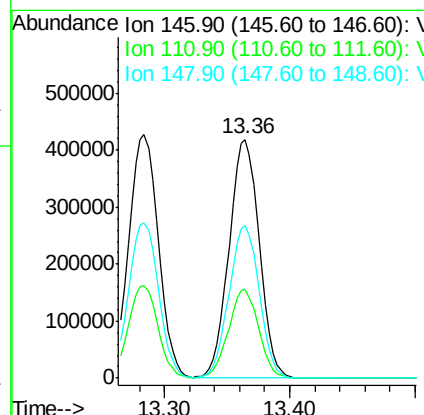
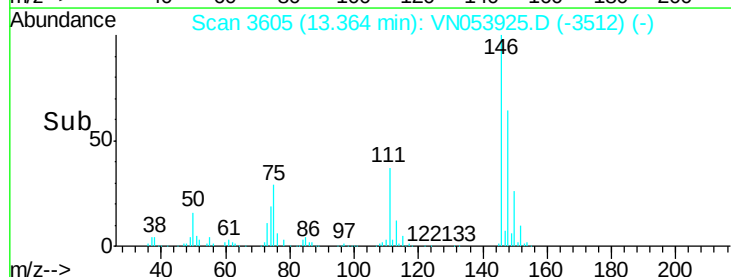
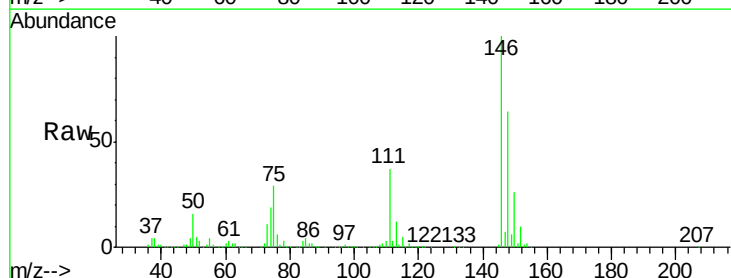
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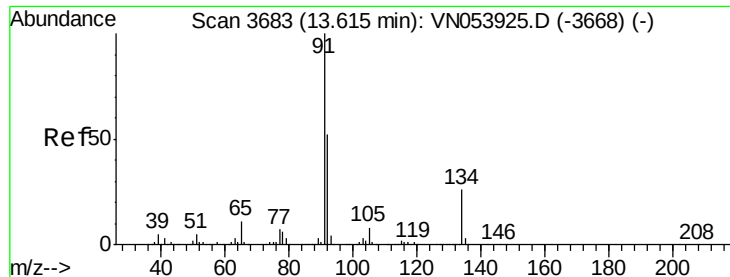
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#88
 1,4-Dichlorobenzene
 Concen: 48.713 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.0	54.0
148	64.0	32.1	96.5





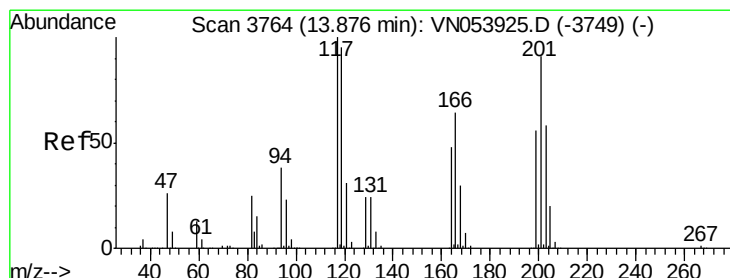
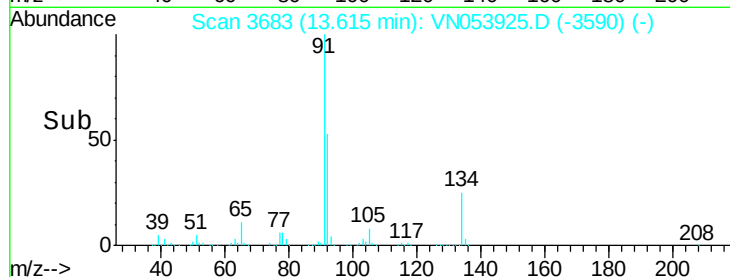
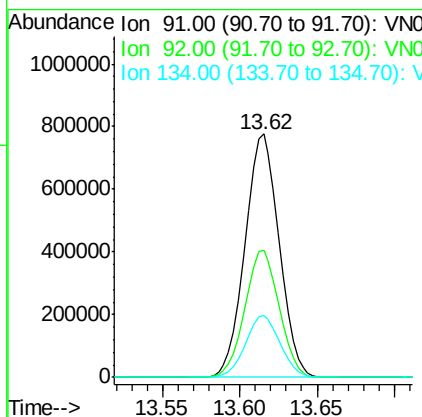
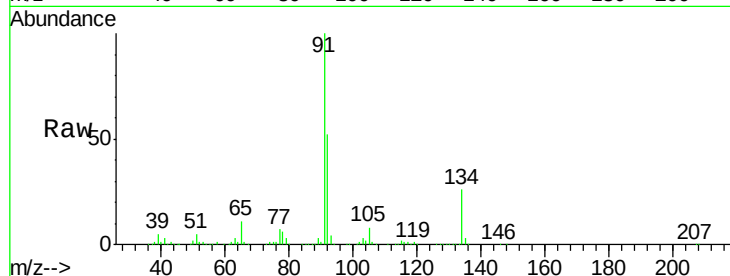
#89
n-Butylbenzene
Concen: 50.347 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1194524
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.2
134 25.6 13.6 40.8

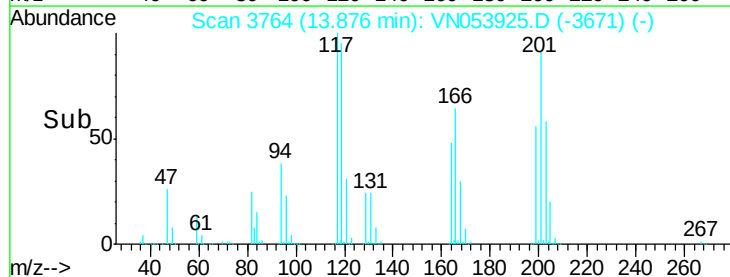
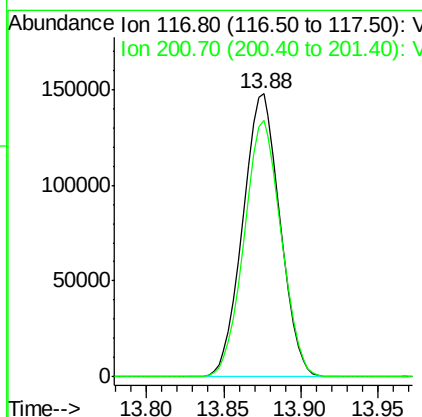
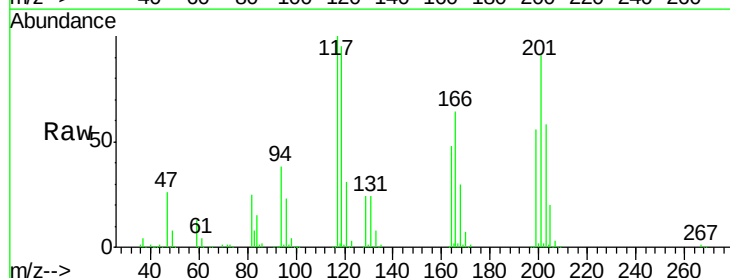
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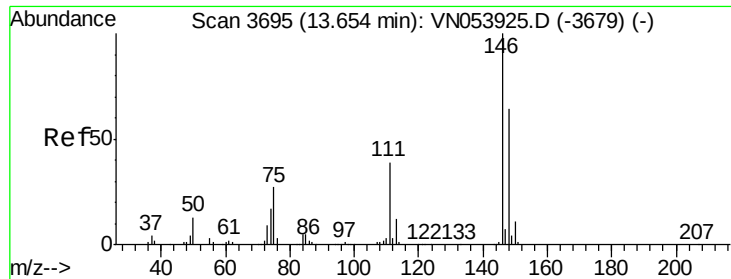
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#90
Hexachloroethane
Concen: 45.358 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053925.D
Acq: 25 Feb 2019 13:03

Tgt Ion: 117 Resp: 247445
Ion Ratio Lower Upper
117 100
201 90.2 48.0 144.2





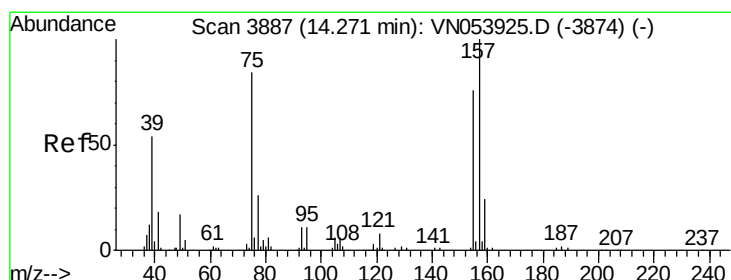
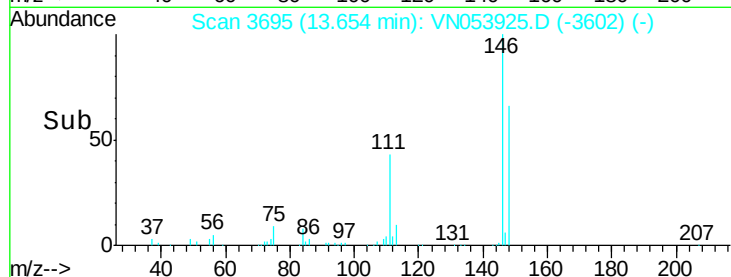
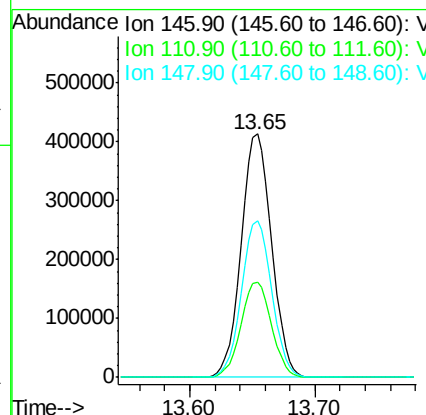
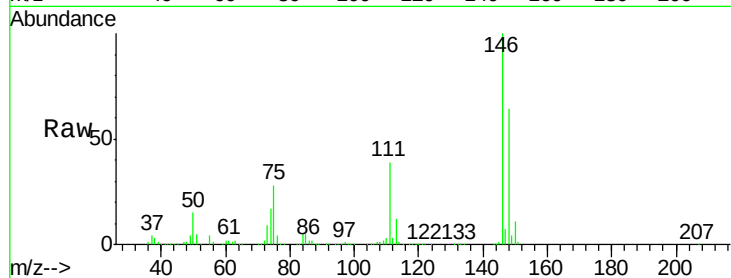
#91
 1,2-Dichlorobenzene
 Concen: 48.531 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	64.1	32.1	96.5

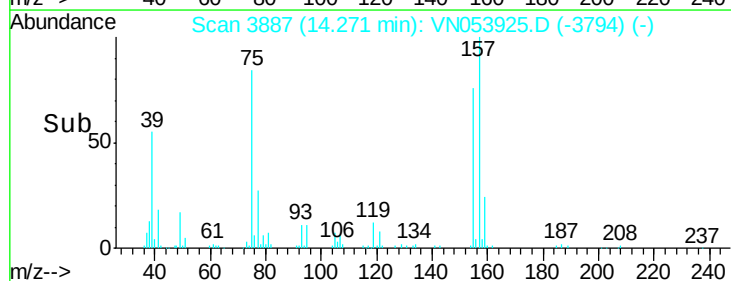
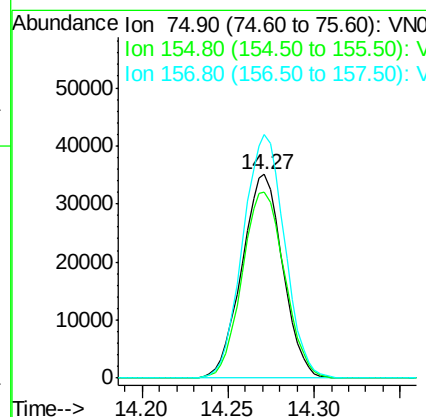
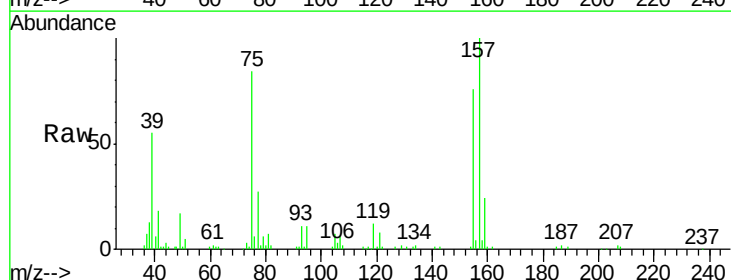
Manual Integrations
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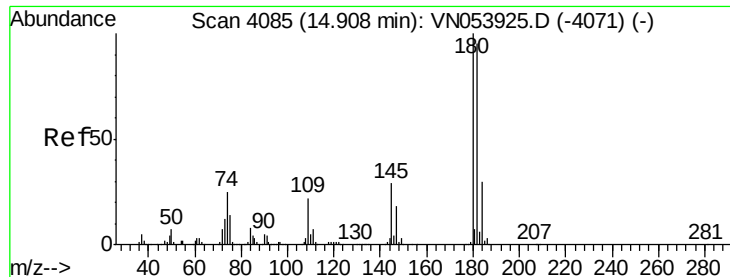
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.666 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	49.5	148.5
157	121.8	64.8	194.6





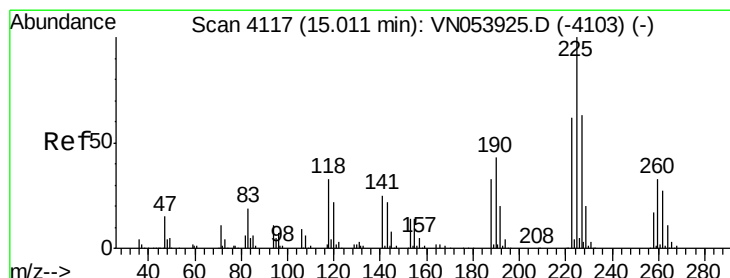
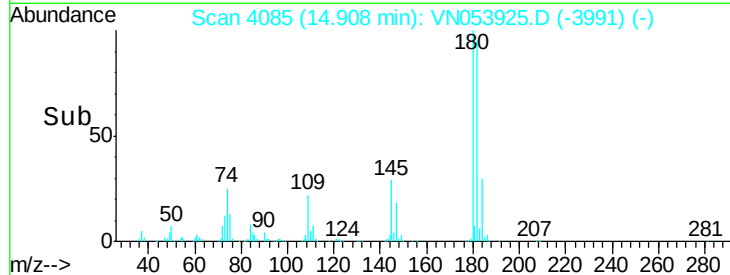
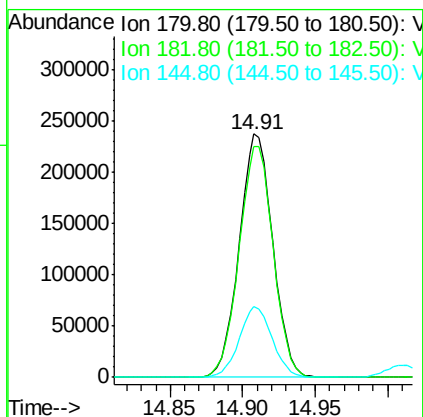
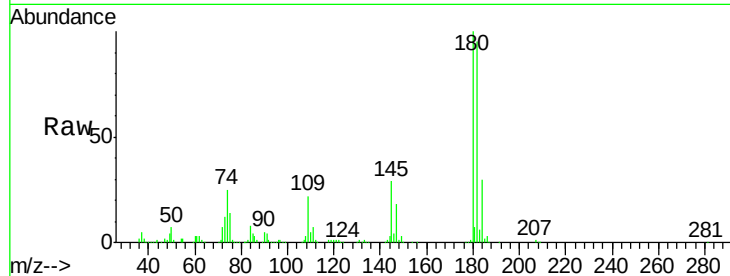
#93
 1,2,4-Trichlorobenzene
 Concen: 56.184 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.6	145.9
145	28.6	13.8	41.3

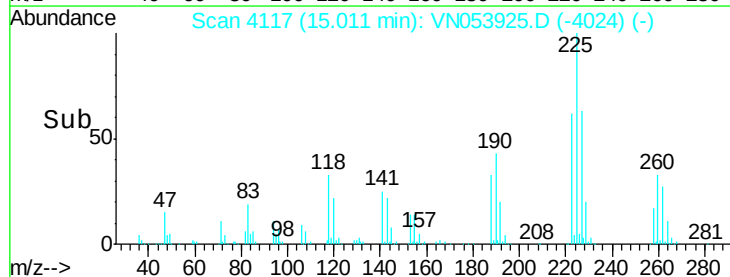
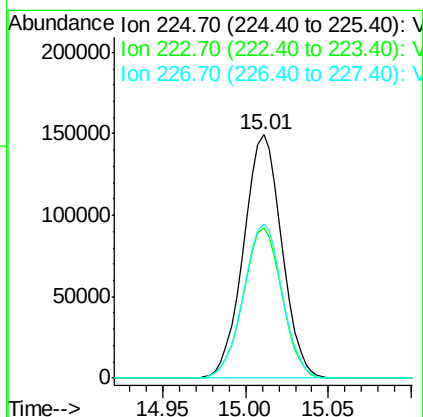
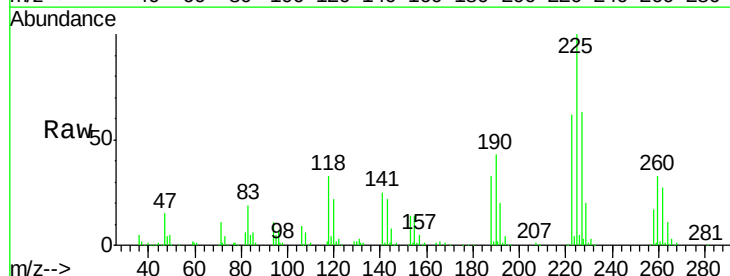
Manual Integrations
 APPROVED

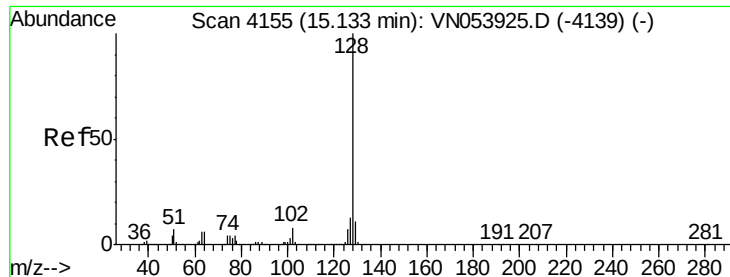
MMDadoda
 2/28/2019 10:48:06 AM



#94
 Hexachlorobutadiene
 Concen: 46.358 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053925.D
 Acq: 25 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.5
227	64.4	32.5	97.4





#95

Naphthalene

Concen: 57.955 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Instrument :

MSVOA_N

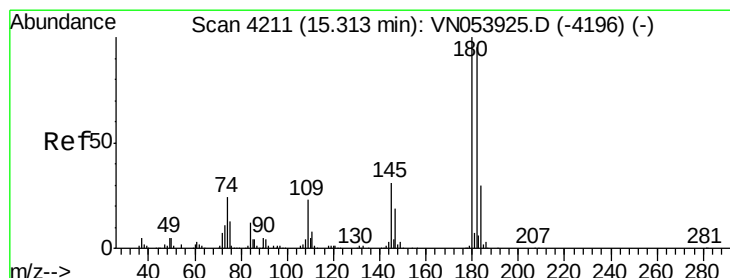
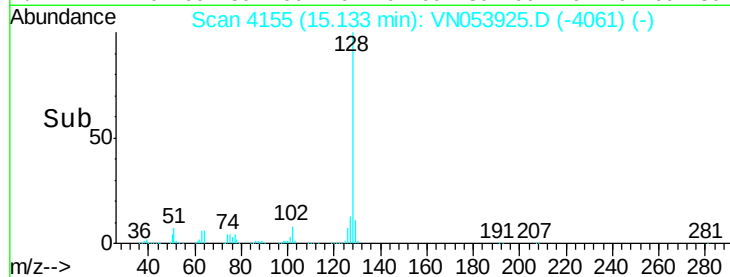
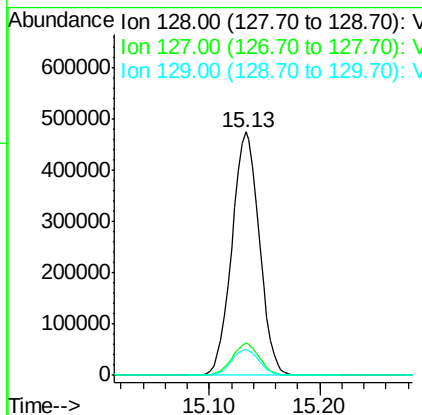
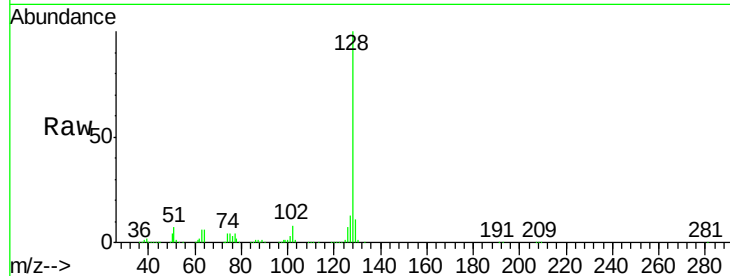
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	815698
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:48:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.891 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053925.D

Acq: 25 Feb 2019 13:03

Tgt Ion:	180	Resp:	374579
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.3	141.8
145	30.6	14.4	43.0

