

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051897.D
 Acq On : 17 Oct 2018 8:08
 Operator : MD\SY
 Sample : VSTDCC50
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:28:59 PM

Quant Time: Oct 17 11:58:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 17 11:55:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1010994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1446080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1366839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	723046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	532386	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	7.59	113	550461	61.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.44%	
50) Toluene-d8	10.09	98	2047788	61.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.24%	
62) 4-Bromofluorobenzene	12.40	95	692662	59.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.86	85	274985	49.00	ug/l	100
3) Chloromethane	2.07	50	282691	41.59	ug/l	99
4) Vinyl Chloride	2.19	62	420098	41.21	ug/l	98
5) Bromomethane	2.57	94	354583	38.55	ug/l	99
6) Chloroethane	2.71	64	316228	42.24	ug/l	99
7) Trichlorofluoromethane	3.02	101	665298	43.94	ug/l	100
8) Diethyl Ether	3.42	74	200014	47.90	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.77	101	411635	50.99	ug/l	98
10) Methyl Iodide	3.96	142	467423	43.94	ug/l	96
11) Tert butyl alcohol	4.79	59	123063	173.17	ug/l	100
12) 1,1-Dichloroethene	3.74	96	362290	49.93	ug/l	90
13) Acrolein	3.61	56	86386	128.34	ug/l	95
14) Allyl chloride	4.33	41	423595	46.49	ug/l	# 75
15) Acrylonitrile	5.00	53	492417	212.86	ug/l	98
16) Acetone	3.82	43	453227	217.48	ug/l	99
17) Carbon Disulfide	4.06	76	910220	46.34	ug/l	100
18) Methyl Acetate	4.33	43	239560	34.81	ug/l	# 85
19) Methyl tert-butyl Ether	5.05	73	1038016	45.44	ug/l	92
20) Methylene Chloride	4.56	84	404281	46.88	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	413905	48.58	ug/l	89
22) Diisopropyl ether	5.96	45	948108	47.09	ug/l	# 87
23) Vinyl Acetate	5.90	43	3290564	223.40	ug/l	# 91
24) 1,1-Dichloroethane	5.86	63	672448	48.62	ug/l	97
25) 2-Butanone	6.84	43	608831	206.74	ug/l	# 84
26) 2,2-Dichloropropane	6.83	77	677930	48.41	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	491096	50.00	ug/l	88
28) Bromochloromethane	7.20	49	272056	46.88	ug/l	# 62
29) Tetrahydrofuran	7.21	42	345672	196.97	ug/l	# 77
30) Chloroform	7.37	83	811778	49.09	ug/l	98
31) Cyclohexane	7.65	56	572201	37.49	ug/l	# 82
32) 1,1,1-Trichloroethane	7.57	97	764805	49.26	ug/l	96
36) 1,1-Dichloropropene	7.80	75	578171	49.39	ug/l	95
37) Ethyl Acetate	6.93	43	259798	43.22	ug/l	97
38) Carbon Tetrachloride	7.78	117	695324	51.24	ug/l	98

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

39) Methylcyclohexane	9.08	83	746944	51.94	ug/l #	87
40) Benzene	8.04	78	1716926	50.84	ug/l	100
41) Methacrylonitrile	7.18	41	126734	43.74	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	543824	49.12	ug/l	100
43) Isopropyl Acetate	8.17	43	515419	37.31	ug/l #	95
44) Trichloroethene	8.84	130	535994	52.13	ug/l	97
45) 1,2-Dichloropropane	9.12	63	396973	49.99	ug/l	99
46) Dibromomethane	9.21	93	298097	48.92	ug/l	99
47) Bromodichloromethane	9.40	83	624695	51.31	ug/l	98
48) Methyl methacrylate	9.20	41	231763	43.28	ug/l #	75
49) 1,4-Dioxane	9.20	88	83406	908.35	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1325934	212.51	ug/l	96
52) Toluene	10.16	92	1170095	51.60	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	613559	50.30	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	672071	50.18	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	417944	48.99	ug/l	97
56) Ethyl methacrylate	10.43	69	472235	47.01	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	637344	48.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1004773	229.69	ug/l #	88
59) 2-Hexanone	10.75	43	933084	212.92	ug/l	97
60) Dibromochloromethane	10.90	129	523463	51.69	ug/l	100
61) 1,2-Dibromoethane	11.00	107	436276	49.66	ug/l	98
64) Tetrachloroethene	10.63	164	543603	51.85	ug/l	99
65) Chlorobenzene	11.43	112	1359475	49.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	524717	49.80	ug/l	99
67) Ethyl Benzene	11.51	91	2271747	49.64	ug/l	96
68) m/p-Xylenes	11.62	106	1852184	100.20	ug/l	95
69) o-Xylene	11.95	106	906078	50.47	ug/l	94
70) Styrene	11.96	104	1426341	51.50	ug/l	99
71) Bromoform	12.13	173	342700	46.84	ug/l #	100
73) Isopropylbenzene	12.25	105	2444815	43.88	ug/l	98
74) N-amyl acetate	12.07	43	424395	38.41	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	468525	38.28	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	367373m	35.69	ug/l	
77) Bromobenzene	12.53	156	617890	44.48	ug/l	85
78) n-propylbenzene	12.59	91	2668589	45.74	ug/l	95
79) 2-Chlorotoluene	12.67	91	1534197	43.65	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	2047602	45.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	127404	40.58	ug/l	95
82) 4-Chlorotoluene	12.77	91	1553699	46.00	ug/l	95
83) tert-Butylbenzene	12.99	119	1875252	44.54	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2076235	45.93	ug/l	98
85) sec-Butylbenzene	13.17	105	2486942	45.59	ug/l	98
86) p-Isopropyltoluene	13.29	119	2255466	47.02	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1123581	47.29	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1083358	47.04	ug/l	99
89) n-Butylbenzene	13.61	91	1751876	49.12	ug/l	98
90) Hexachloroethane	13.87	117	383879	44.09	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1083291	47.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70890	39.35	ug/l	91

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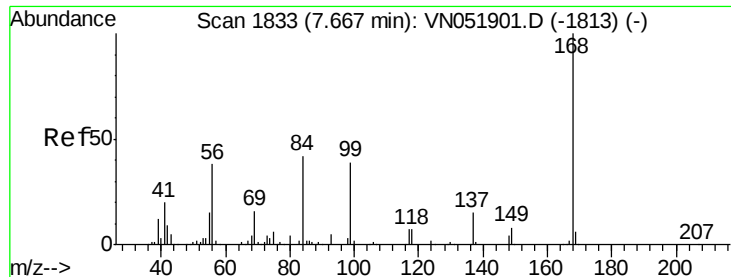
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	502930	50.59	ug/l	99
94) Hexachlorobutadiene	15.01	225	337036	45.41	ug/l	99
95) Naphthalene	15.13	128	942457	43.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	475018	47.03	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion:168 Resp: 1010994

Ion Ratio Lower Upper

168 100

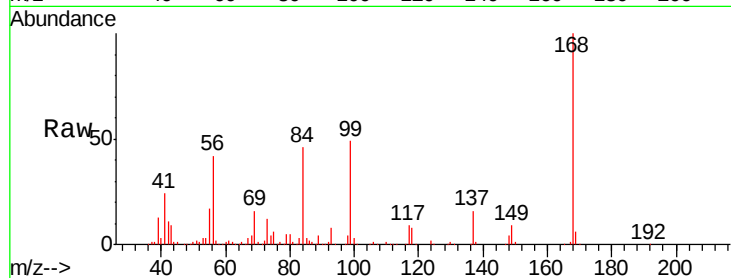
99 48.7 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

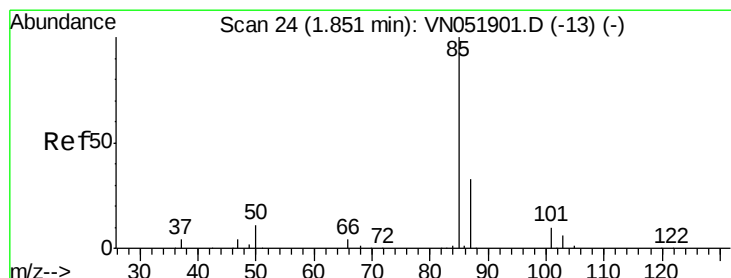
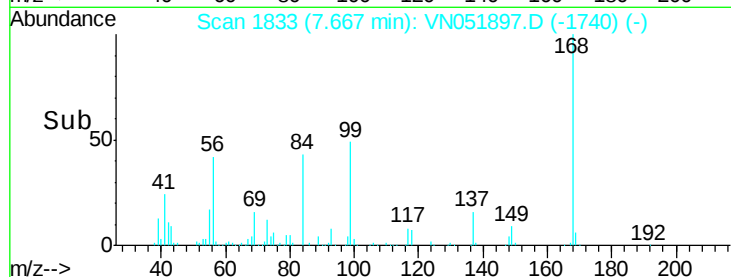
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.00 ug/l

RT: 1.86 min Scan# 27

Delta R.T. 0.01 min

Lab File: VN051897.D

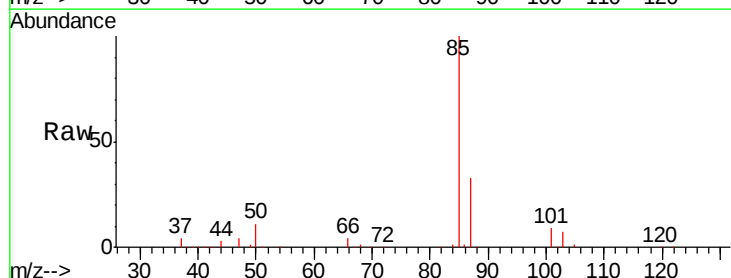
Acq: 17 Oct 2018 8:08

Tgt Ion: 85 Resp: 274985

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.86

200000

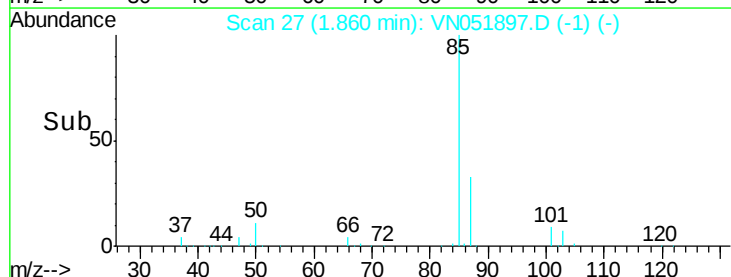
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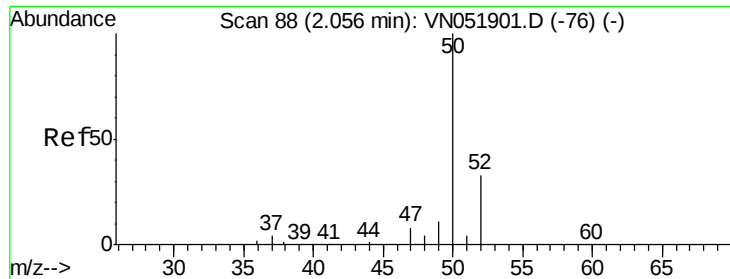
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.59 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.01 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 50 Resp: 282691

Ion Ratio Lower Upper

50 100

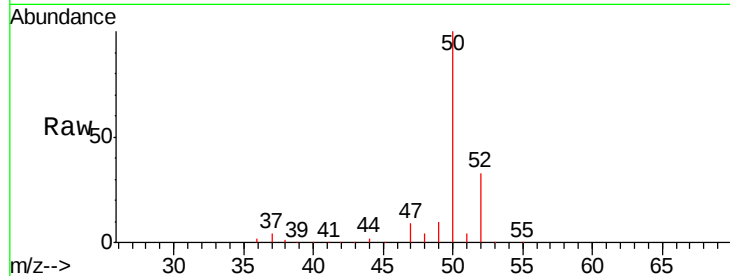
52 33.3 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VN051897.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051897.D (-1) (-)

2.07

200000

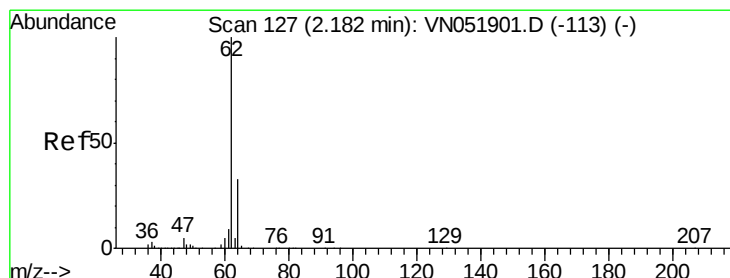
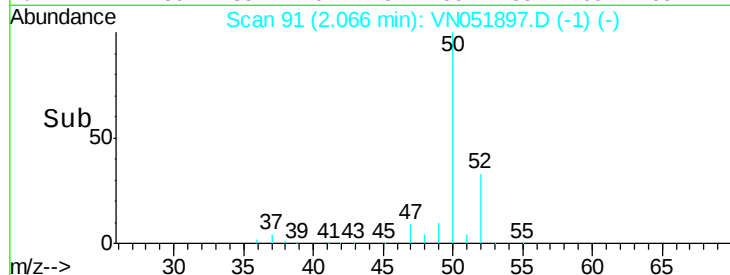
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.21 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051897.D

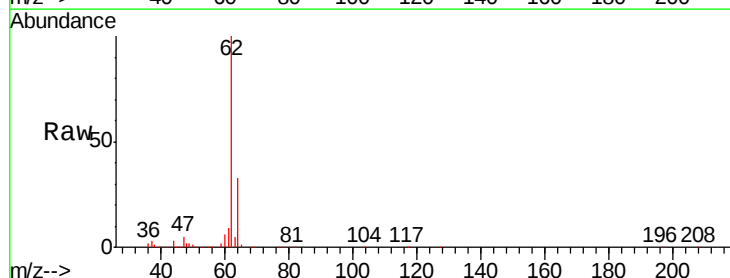
Acq: 17 Oct 2018 8:08

Tgt Ion: 62 Resp: 420098

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN051897.D (-34) (-)

Ion 63.90 (63.60 to 64.60): VN051897.D (-34) (-)

2.19

300000

250000

200000

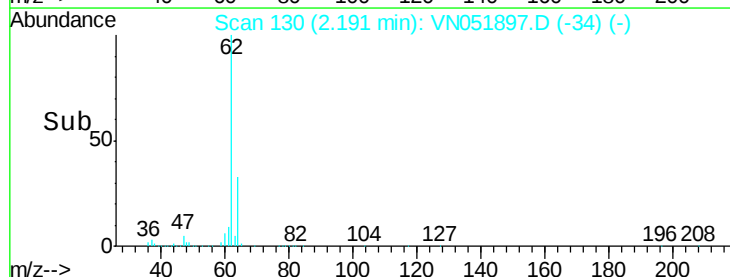
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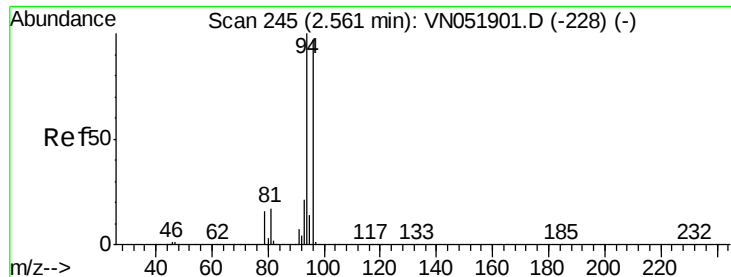
100000

50000

0

Time-->





#5

Bromomethane

Concen: 38.55 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

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VSTDCC50

Tgt Ion: 94 Resp: 354583

Ion Ratio Lower Upper

94 100

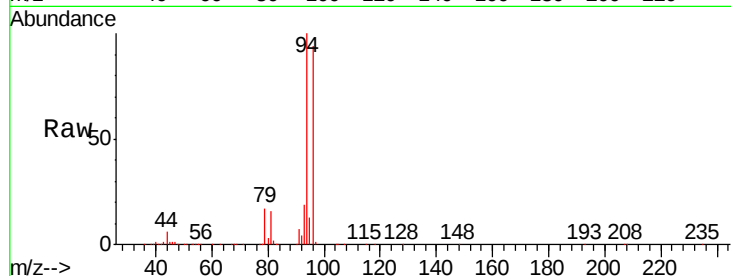
96 94.5 76.2 114.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

200000

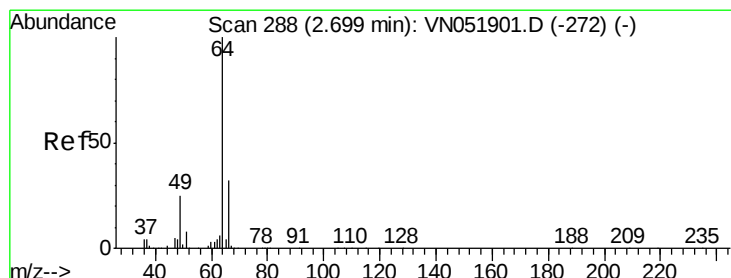
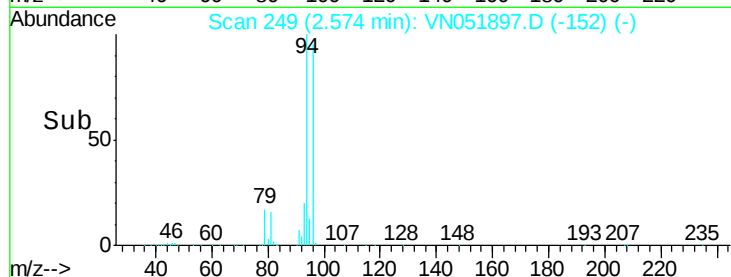
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 42.24 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051897.D

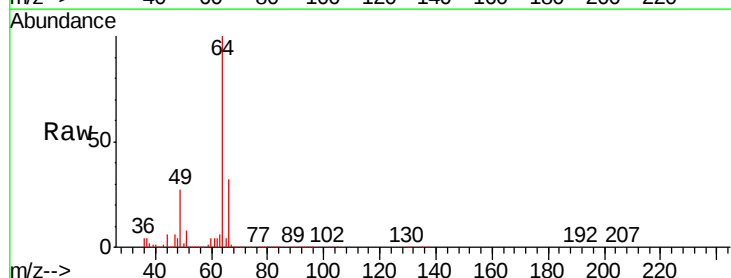
Acq: 17 Oct 2018 8:08

Tgt Ion: 64 Resp: 316228

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

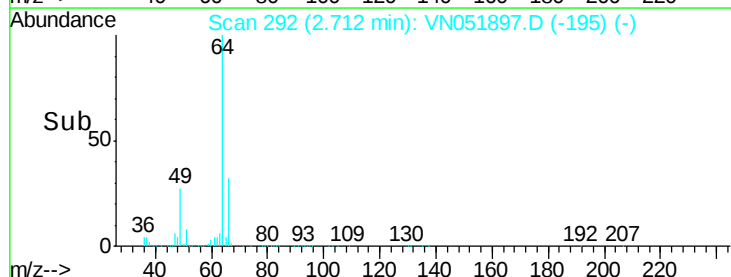
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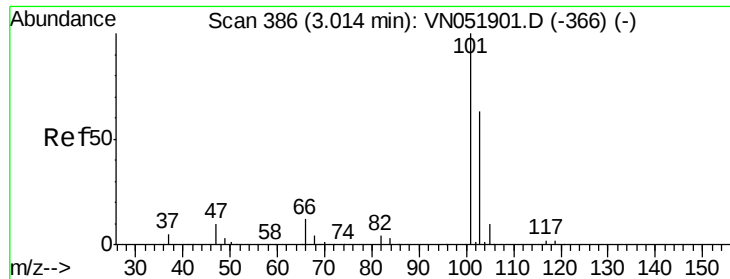
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 43.94 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN051897.D

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Instrument :

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VSTDCC50

Tgt Ion: 101 Resp: 665298

Ion Ratio Lower Upper

101 100

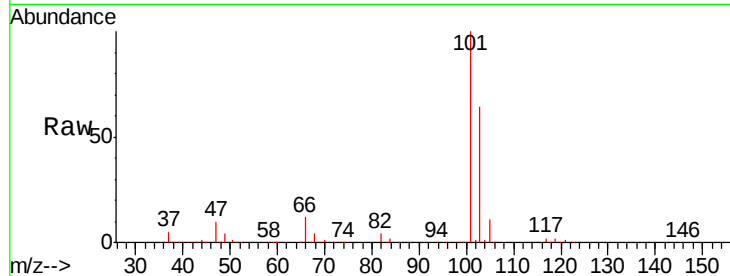
103 64.1 51.6 77.4

Manual Integrations

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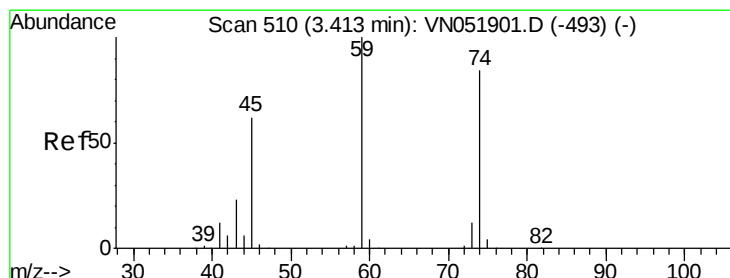
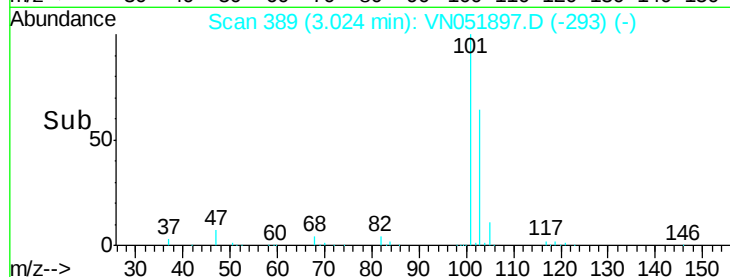
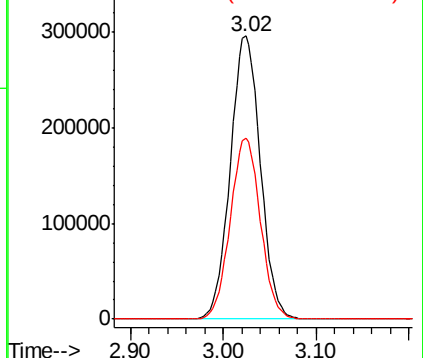
MMDadoda

10/19/2018 3:28:59 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.90 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN051897.D

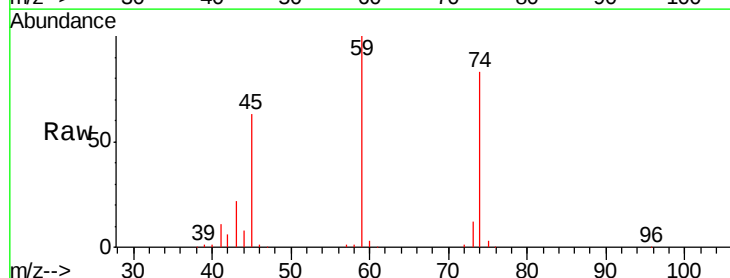
Acq: 17 Oct 2018 8:08

Tgt Ion: 74 Resp: 200014

Ion Ratio Lower Upper

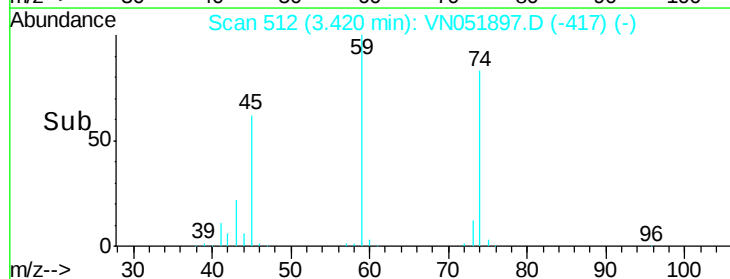
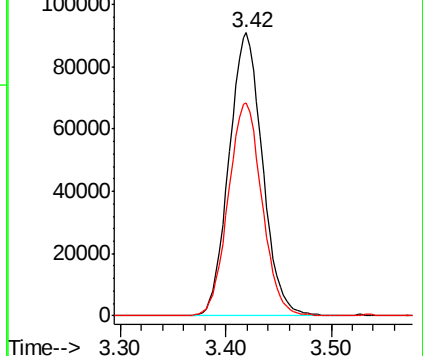
74 100

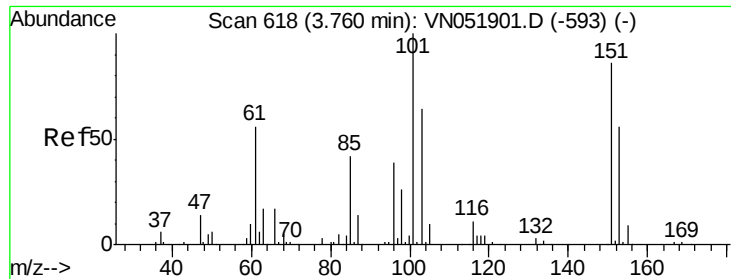
45 75.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.99 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

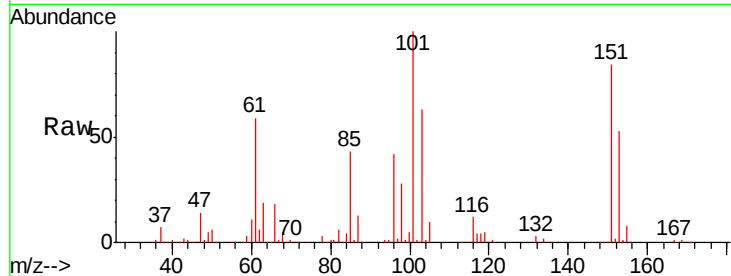
ClientSampleId :

VSTDCC50

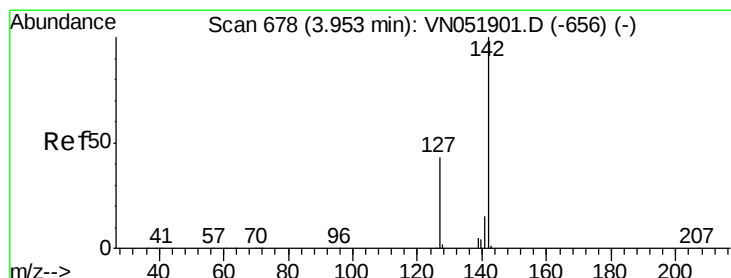
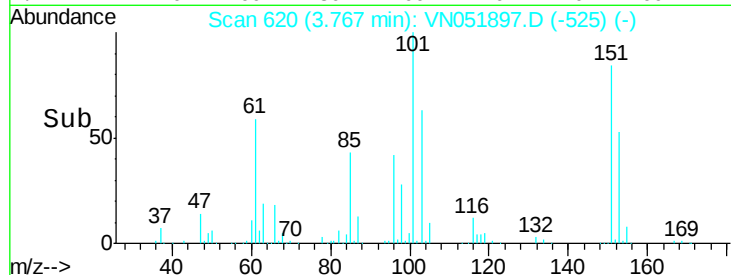
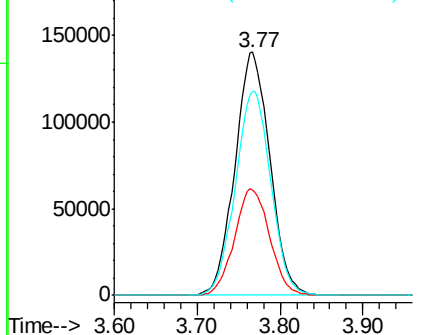
Tgt	Ion:101	Resp:	411635
Ion	Ratio	Lower	Upper
101	100		
85	44.0	33.7	50.5
151	85.3	67.4	101.2

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



#10

Methyl Iodide

Concen: 43.94 ug/l

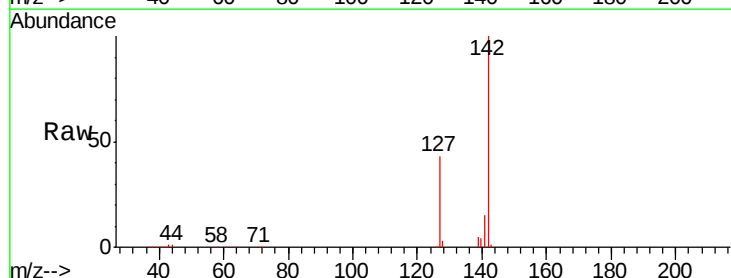
RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

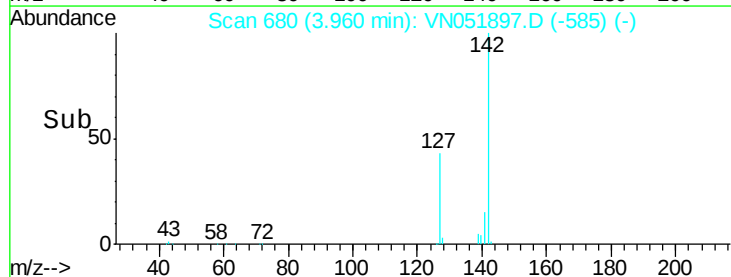
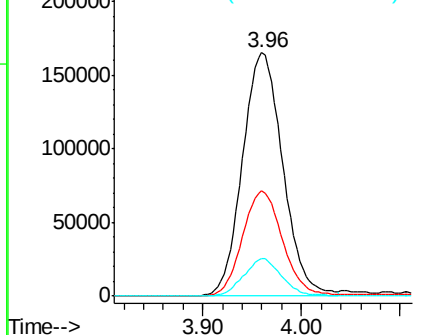
Lab File: VN051897.D

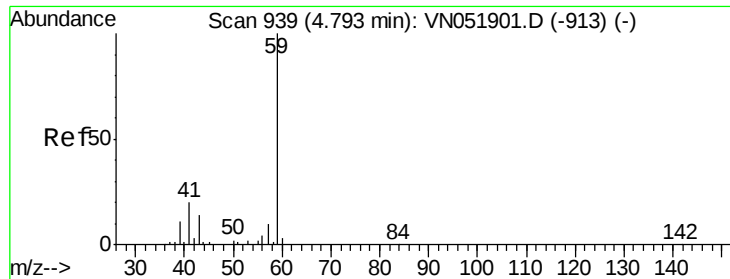
Acq: 17 Oct 2018 8:08

Tgt	Ion:142	Resp:	467423
Ion	Ratio	Lower	Upper
142	100		
127	43.1	31.7	47.5
141	14.6	11.4	17.0



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





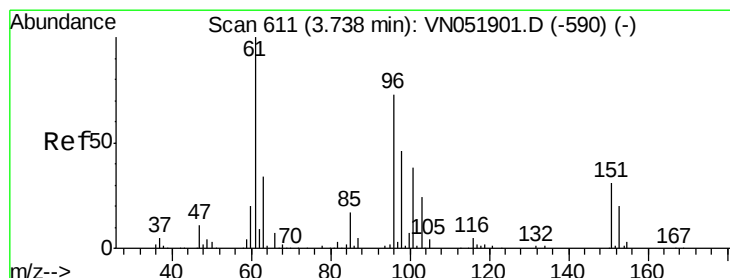
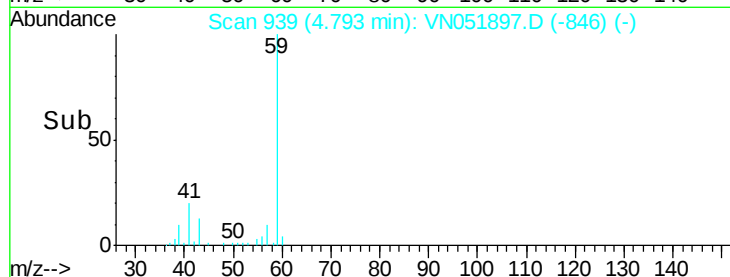
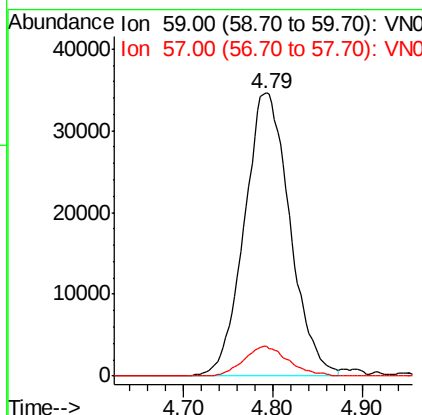
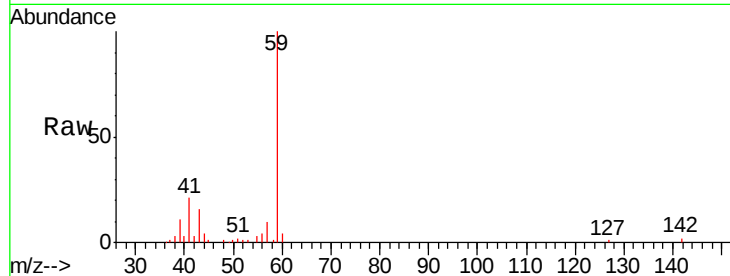
#11
Tert butyl alcohol
Concen: 173.17 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

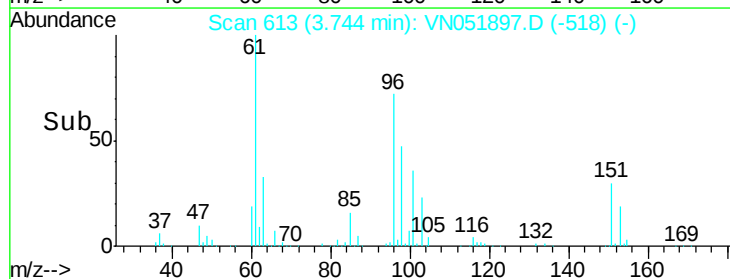
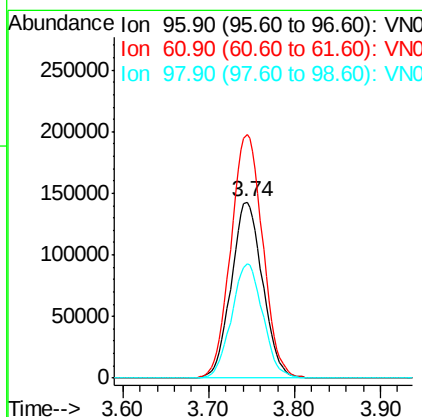
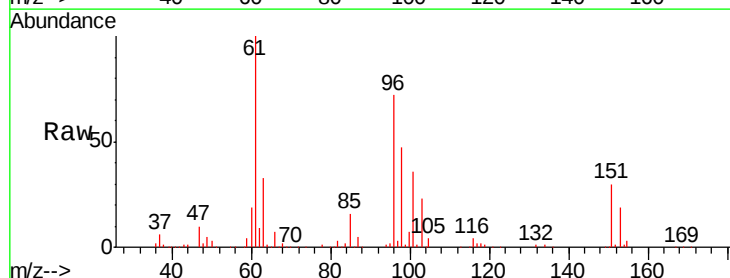
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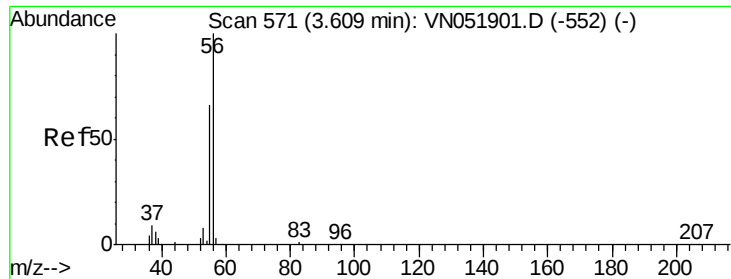
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#12
1,1-Dichloroethene
Concen: 49.93 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.3	124.9	187.3
98	65.2	51.1	76.7





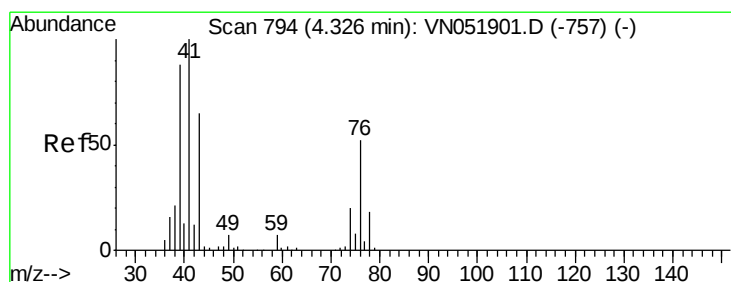
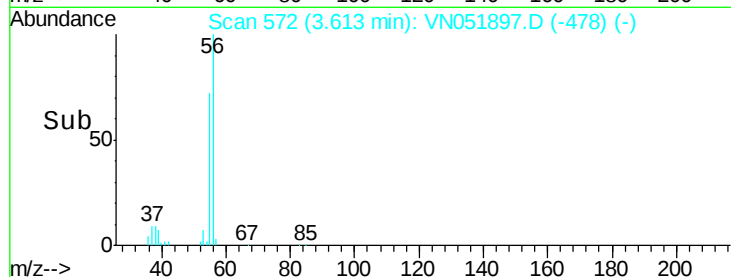
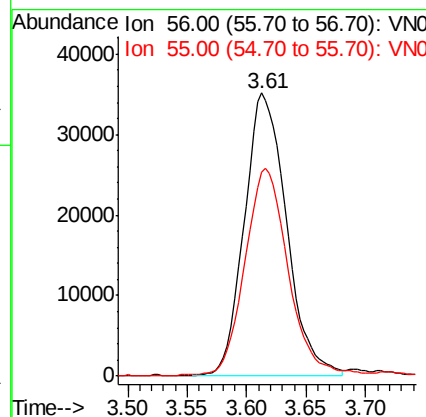
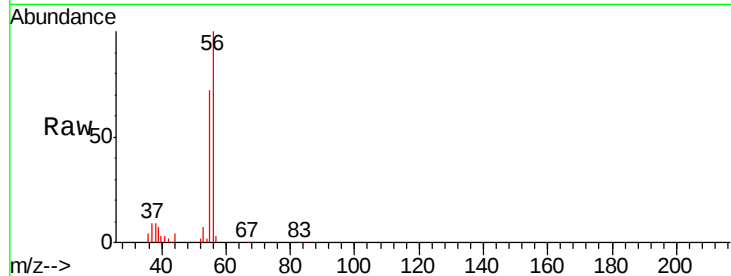
#13
Acrolein
Concen: 128.34 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
56	100		
55	76.1	57.7	86.5

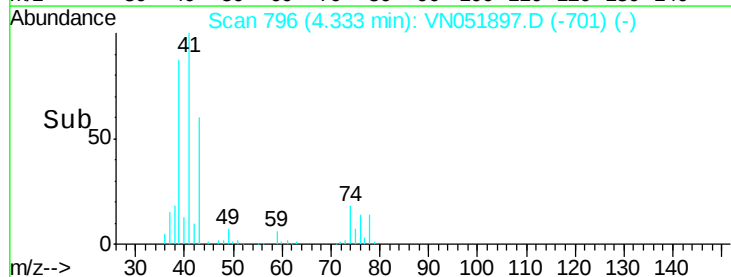
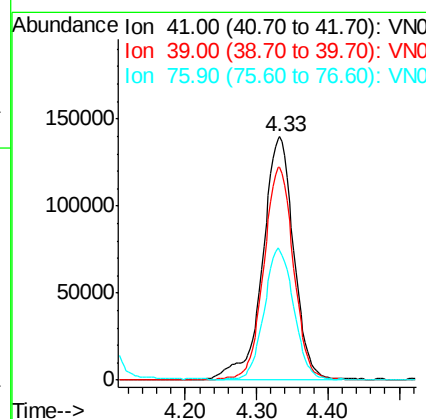
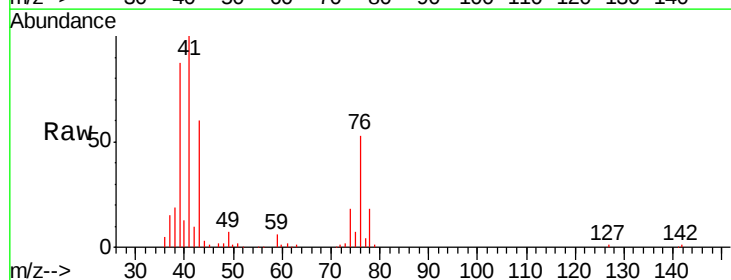
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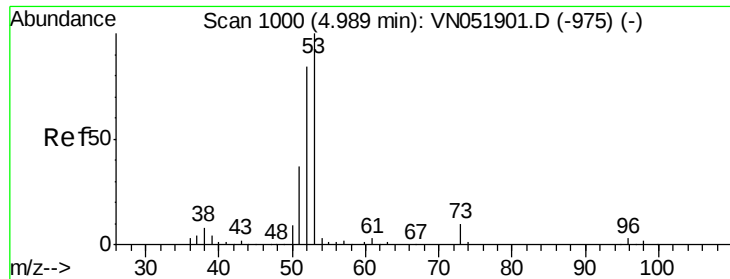
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#14
Allyl chloride
Concen: 46.49 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	83.6	50.2	75.2#
76	50.7	29.8	44.8#





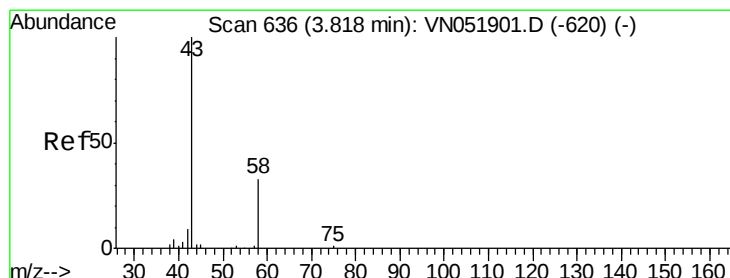
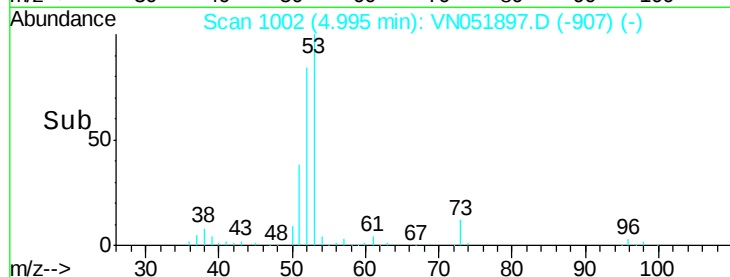
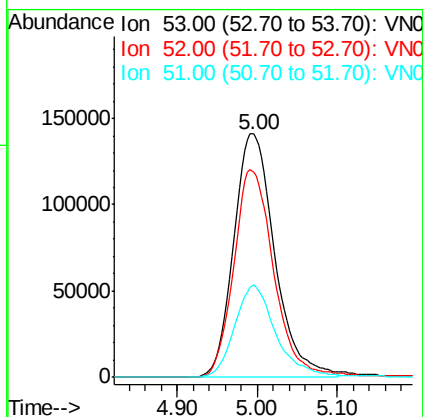
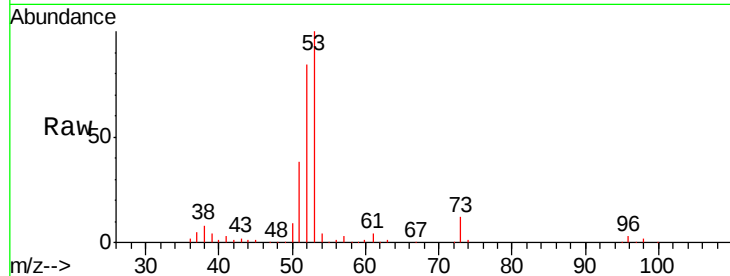
#15
 Acrylonitrile
 Concen: 212.86 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.9	98.9
51	38.4	28.6	43.0

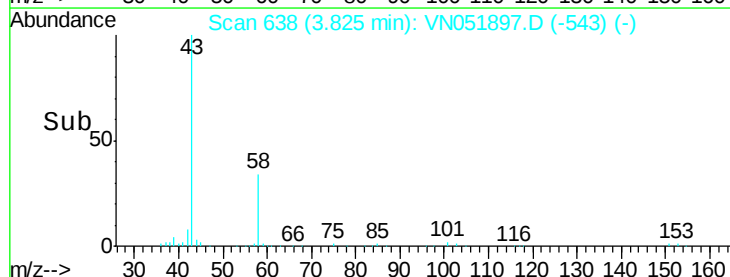
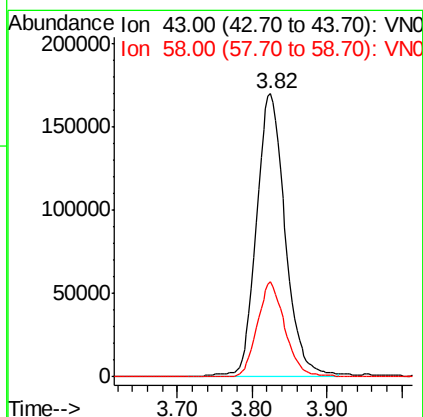
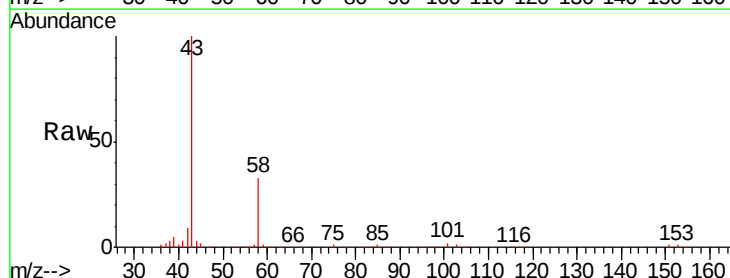
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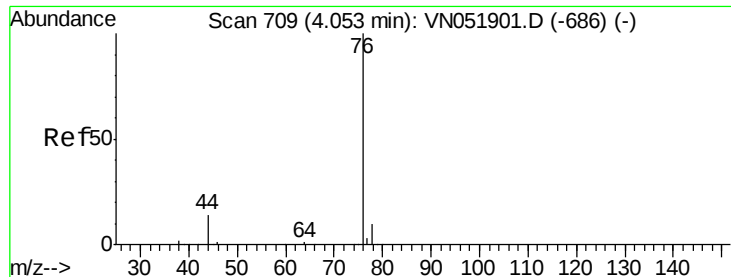
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#16
 Acetone
 Concen: 217.48 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.2	40.8





#17

Carbon Disulfide

Concen: 46.34 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 76 Resp: 910220

Ion Ratio Lower Upper

76 100

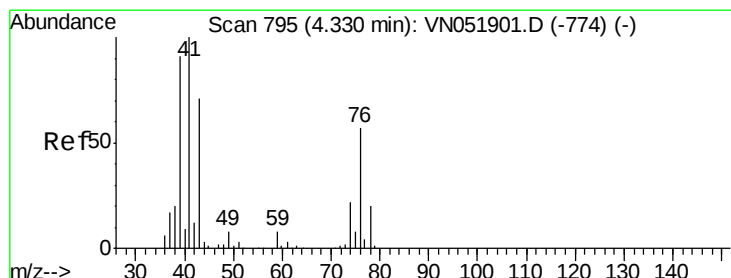
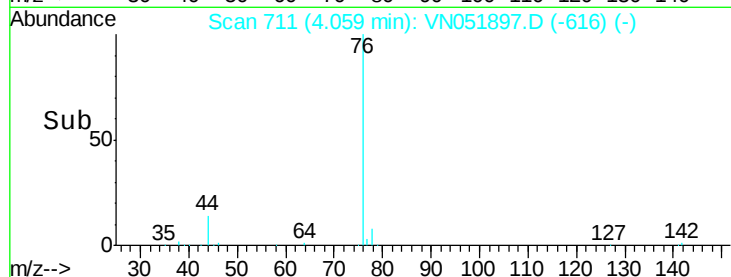
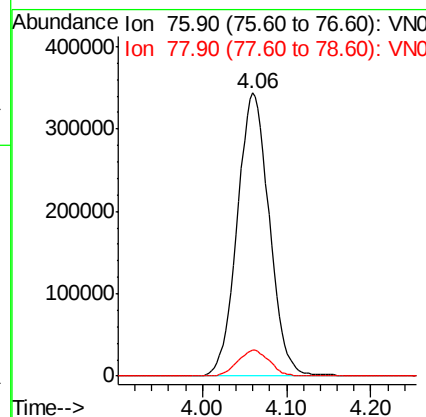
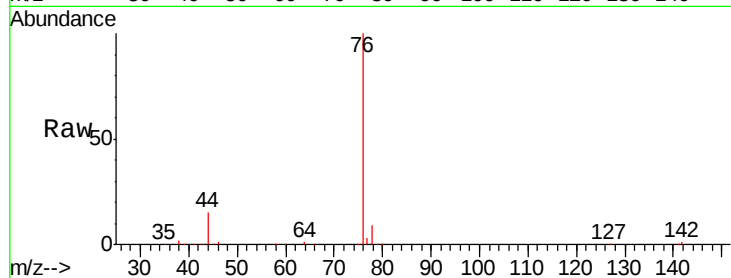
78 9.2 7.3 10.9

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#18

Methyl Acetate

Concen: 34.81 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051897.D

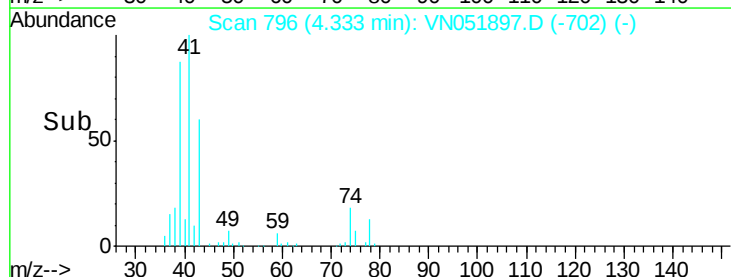
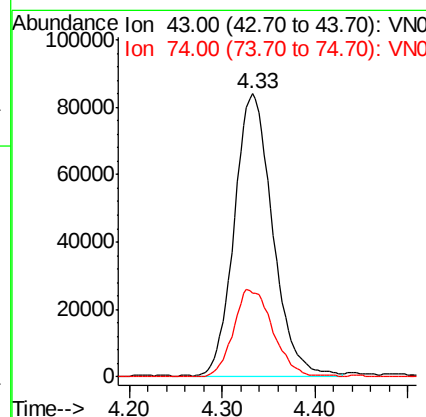
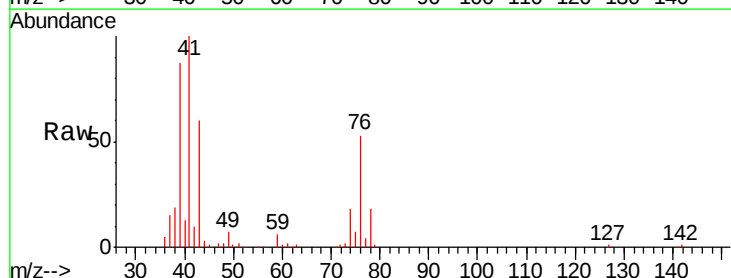
Acq: 17 Oct 2018 8:08

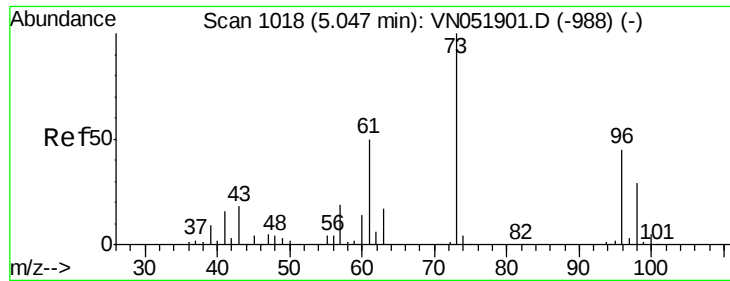
Tgt Ion: 43 Resp: 239560

Ion Ratio Lower Upper

43 100

74 32.1 19.8 29.8#





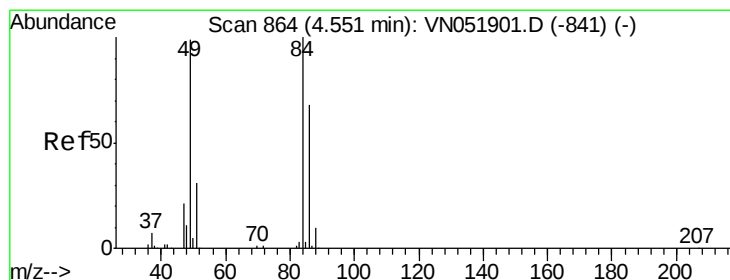
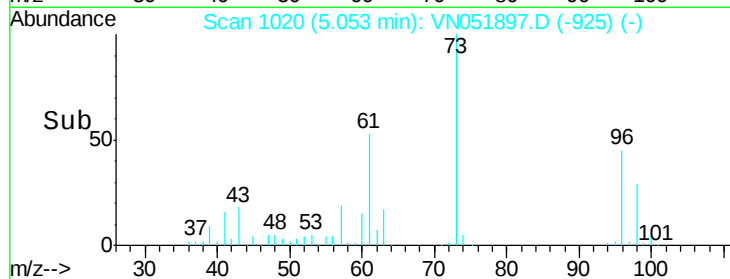
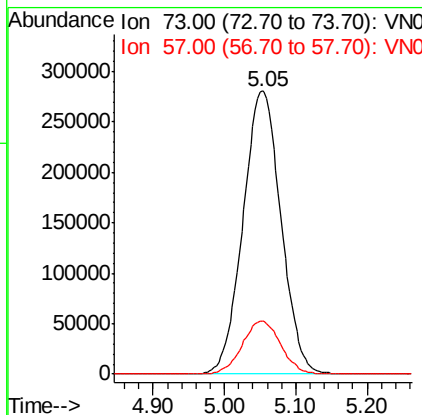
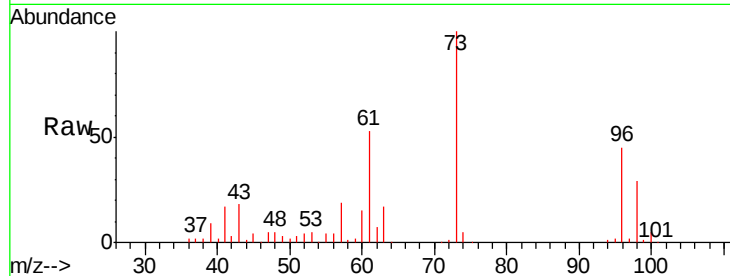
#19
Methyl tert-butyl Ether
Concen: 45.44 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 73 Resp: 1038016
Ion Ratio Lower Upper
73 100
57 18.7 17.8 26.8

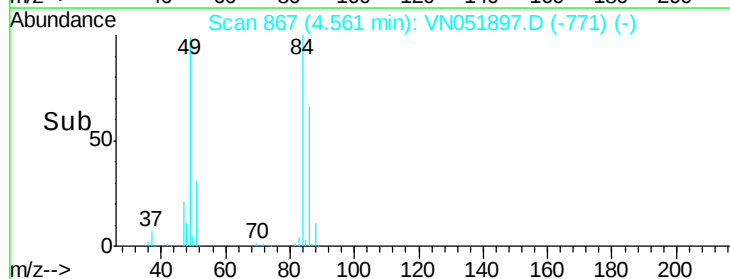
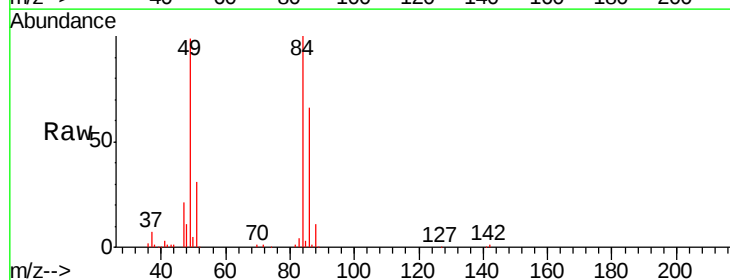
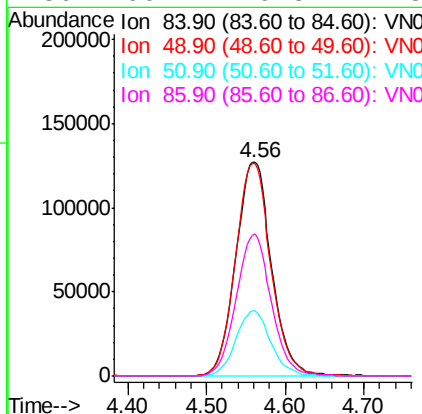
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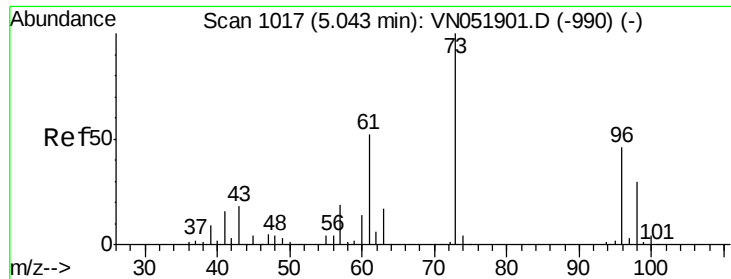
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#20
Methylene Chloride
Concen: 46.88 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 84 Resp: 404281
Ion Ratio Lower Upper
84 100
49 99.5 93.2 139.8
51 30.6 29.0 43.6
86 66.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.58 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

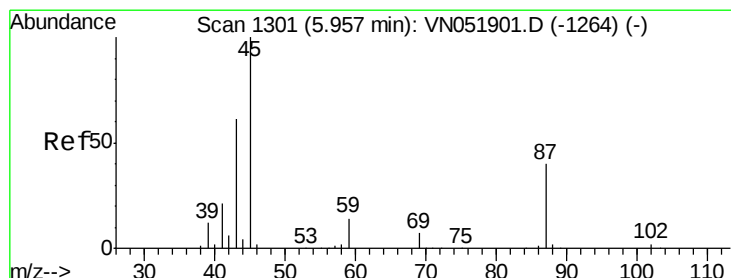
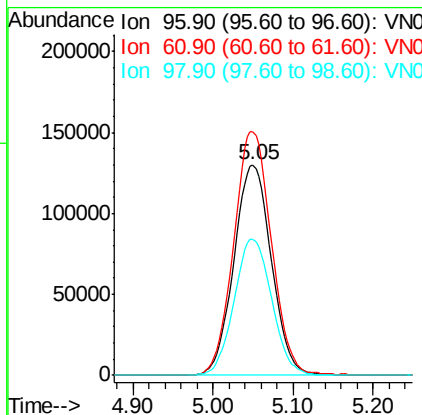
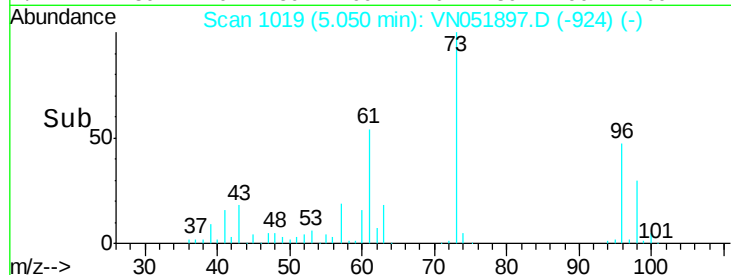
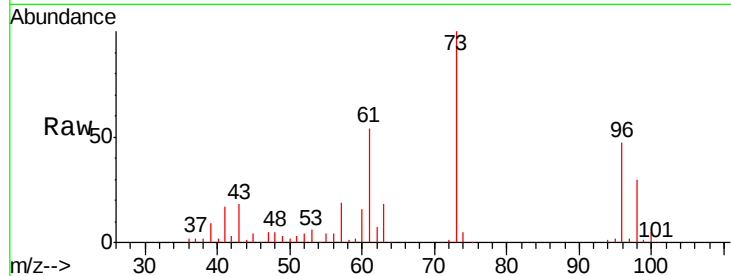
ClientSampleId :

VSTDCC50

Tgt Ion:	96	Resp:	413905
Ion Ratio	Lower	Upper	
96	100		
61	115.5	107.4	161.0
98	64.7	50.7	76.1

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#22

Diisopropyl ether

Concen: 47.09 ug/l

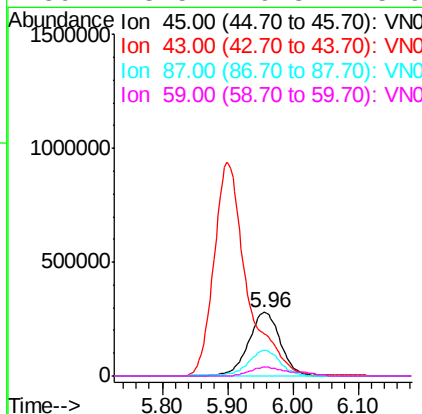
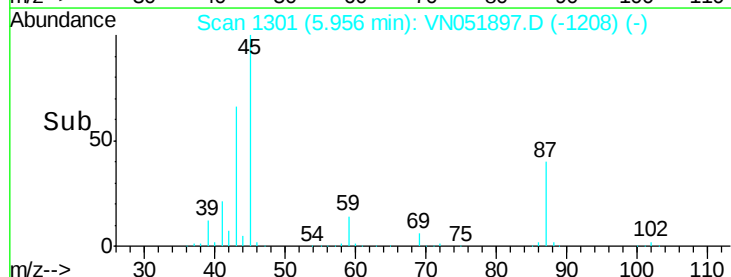
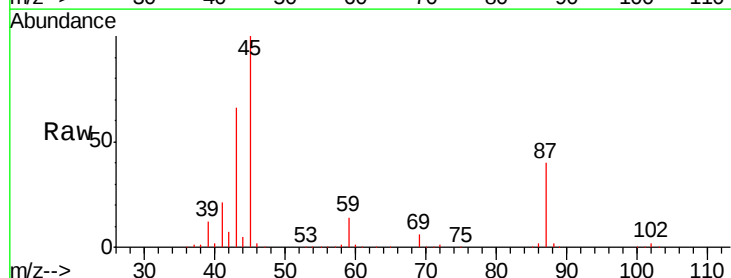
RT: 5.96 min Scan# 1301

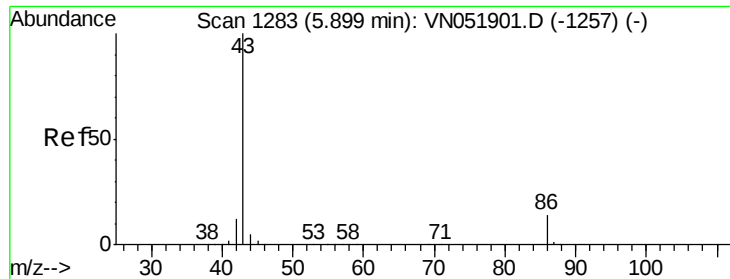
Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion:	45	Resp:	948108
Ion Ratio	Lower	Upper	
45	100		
43	65.1	45.9	68.9
87	40.3	22.7	34.1#
59	13.5	9.3	13.9





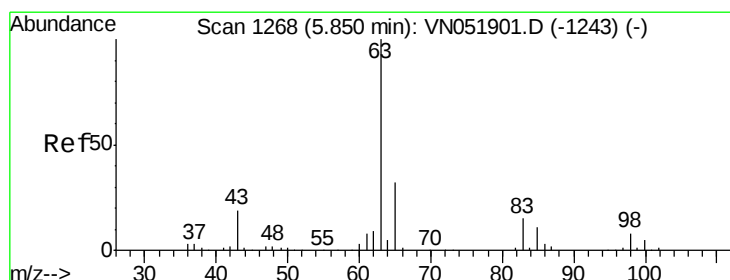
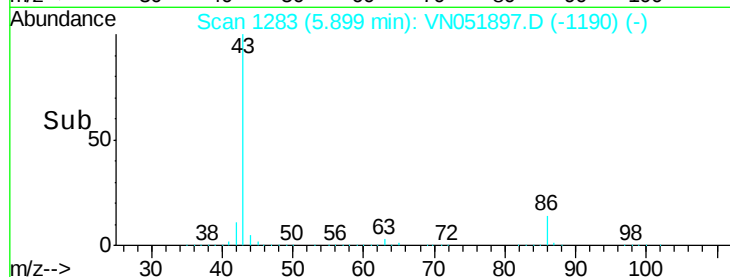
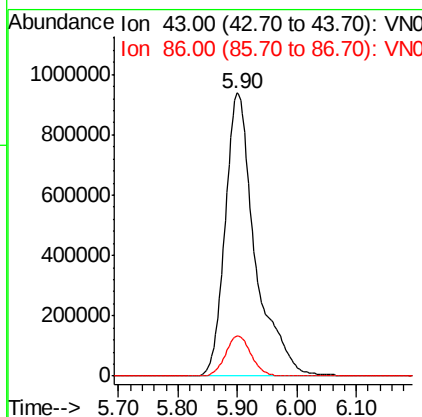
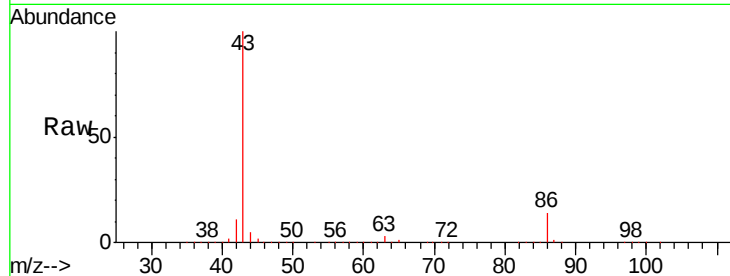
#23
 Vinyl Acetate
 Concen: 223.40 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion: 43 Resp: 3290564
 Ion Ratio Lower Upper
 43 100
 86 14.2 8.7 13.1#

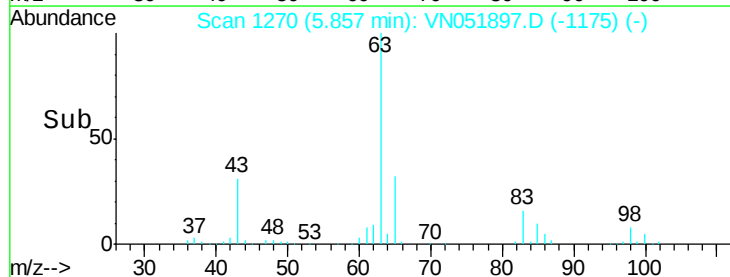
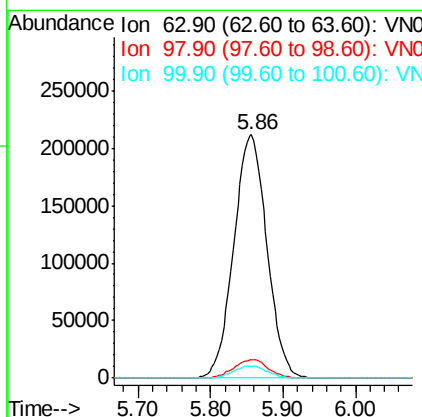
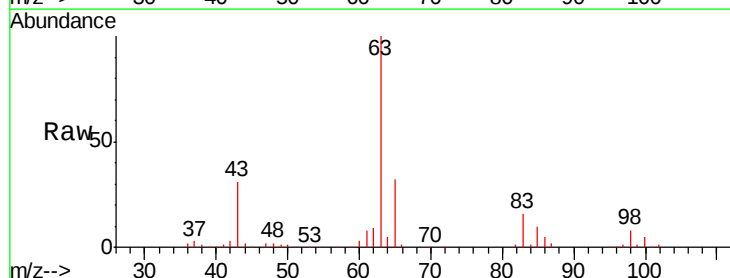
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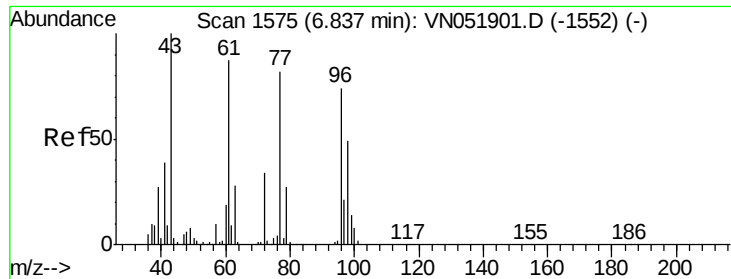
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#24
 1,1-Dichloroethane
 Concen: 48.62 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion: 63 Resp: 672448
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.3 9.8
 100 4.8 2.1 6.5





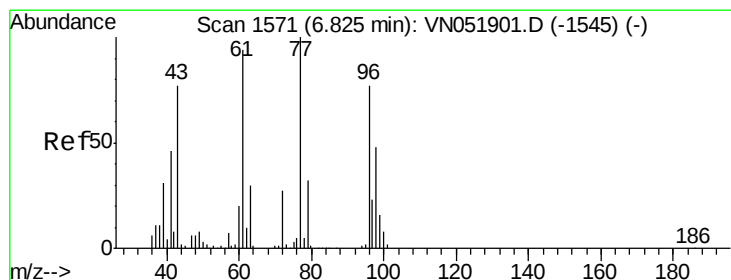
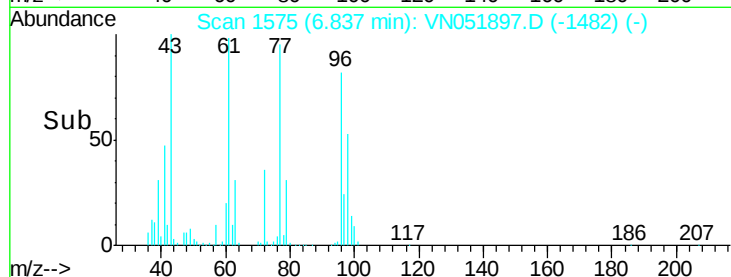
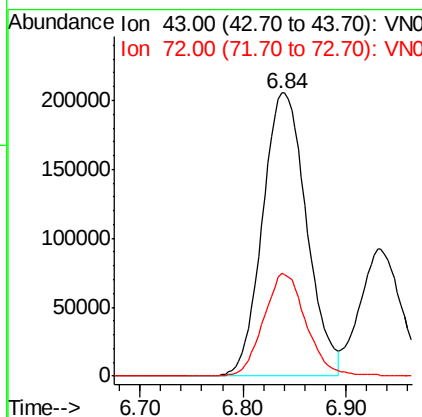
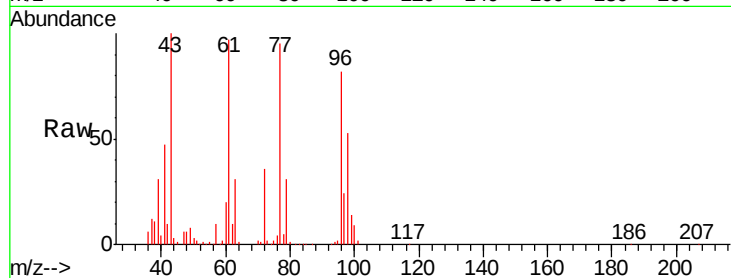
#25
2-Butanone
Concen: 206.74 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	36.2	22.3	33.5#

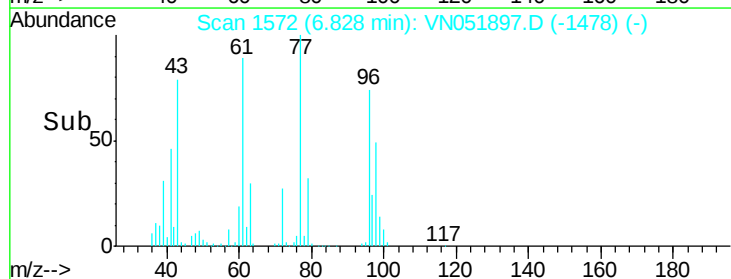
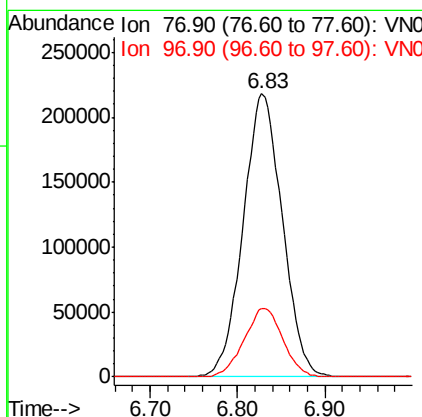
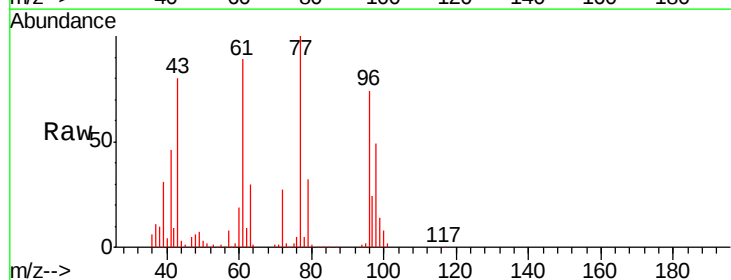
Manual Integrations
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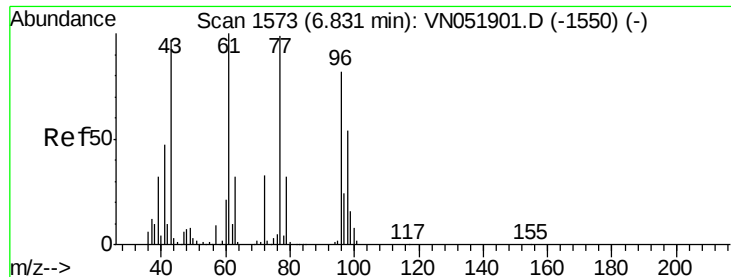
MMDadoda
10/19/2018 3:28:59 PM



#26
2,2-Dichloropropane
Concen: 48.41 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.0	12.0	36.0





#27

cis-1,2-Dichloroethene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

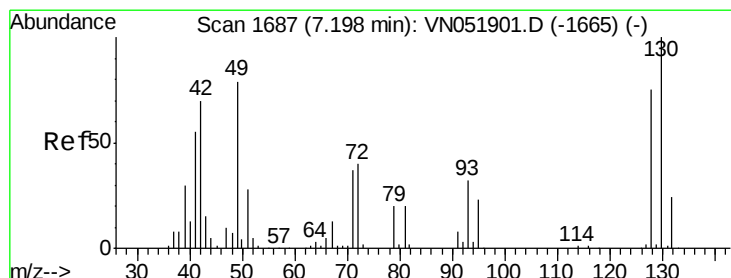
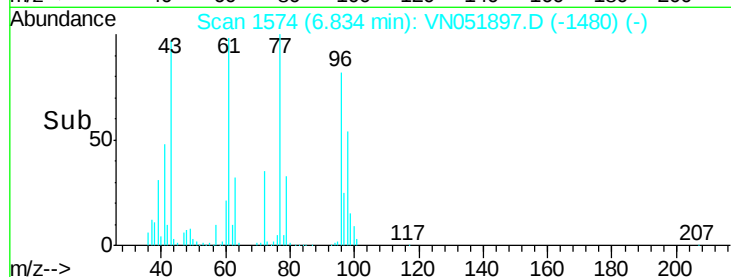
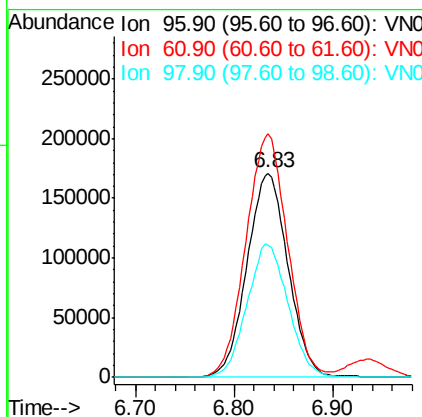
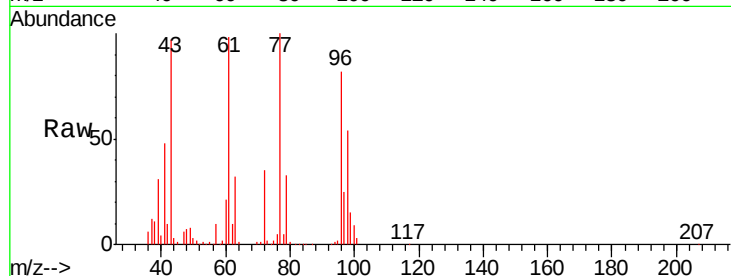
ClientSampleId :

VSTDCC50

Tgt Ion:	96	Resp:	491096
Ion	Ratio	Lower	Upper
96	100		
61	121.5	0.0	283.4
98	65.5	0.0	129.8

Manual Integrations
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10/19/2018 3:28:59 PM



#28

Bromochloromethane

Concen: 46.88 ug/l

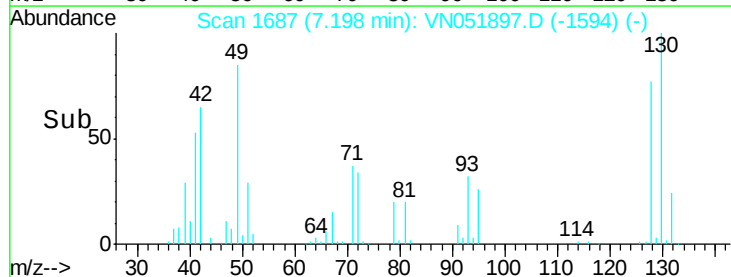
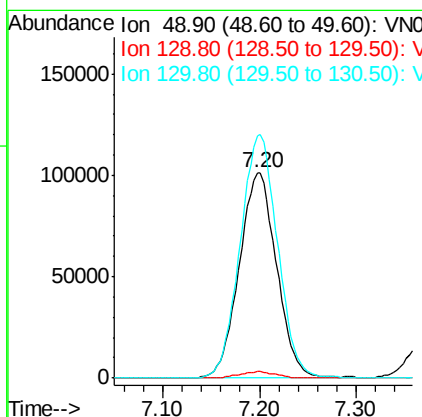
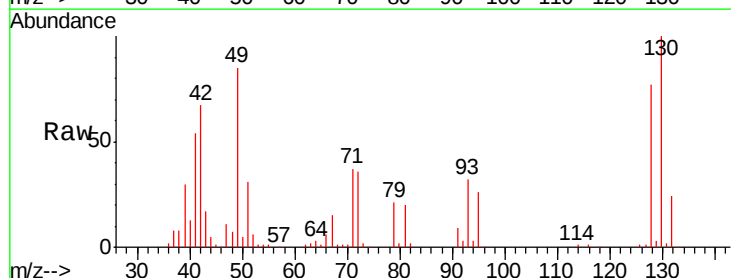
RT: 7.20 min Scan# 1687

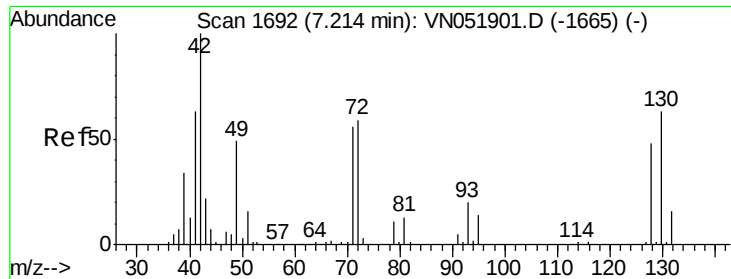
Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion:	49	Resp:	272056
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.2
130	118.7	67.1	100.7#





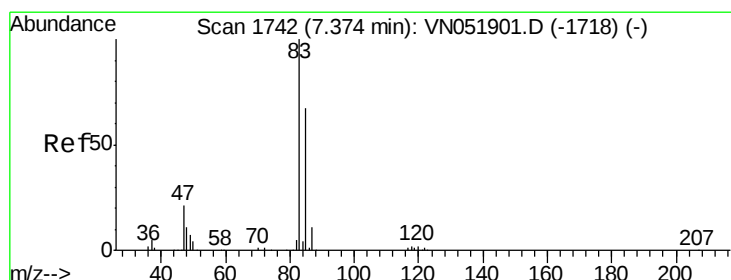
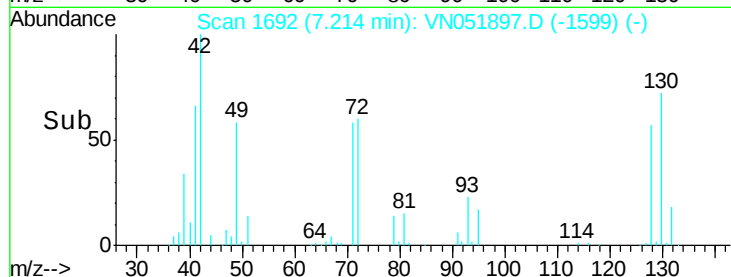
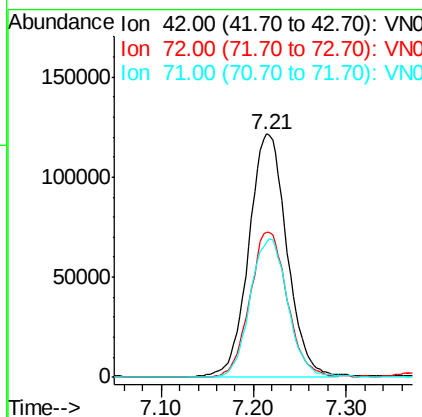
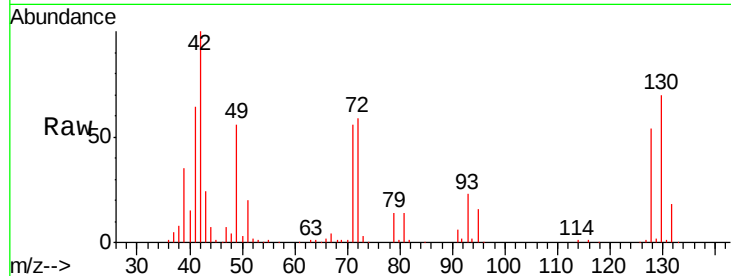
#29
Tetrahydrofuran
Concen: 196.97 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
42	100		
72	59.1	35.5	53.3#
71	56.7	33.7	50.5#

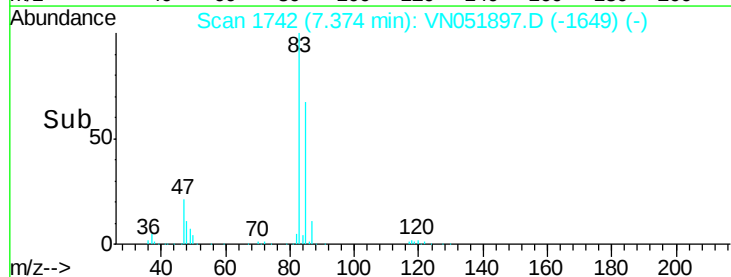
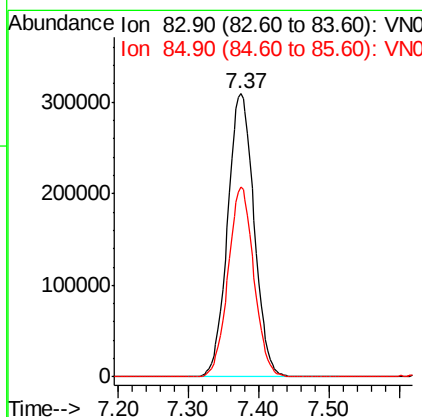
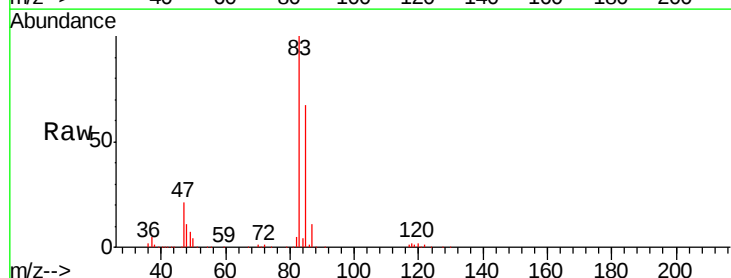
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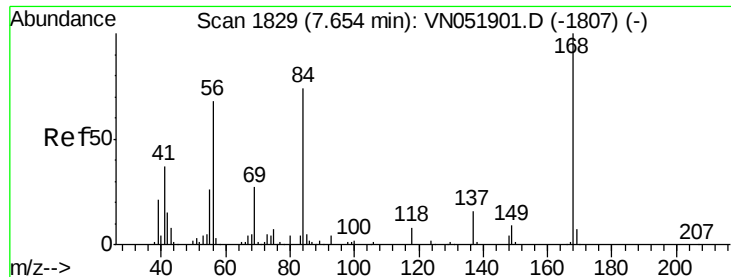
MMDadoda
10/19/2018 3:28:59 PM



#30
Chloroform
Concen: 49.09 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.4





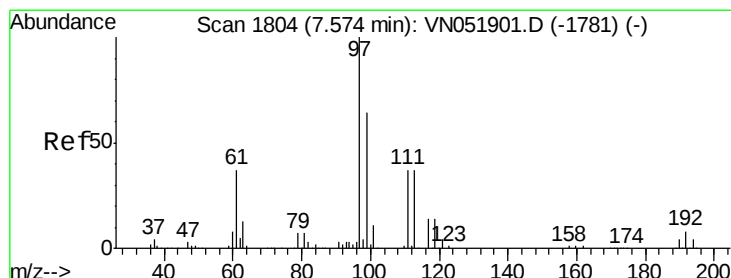
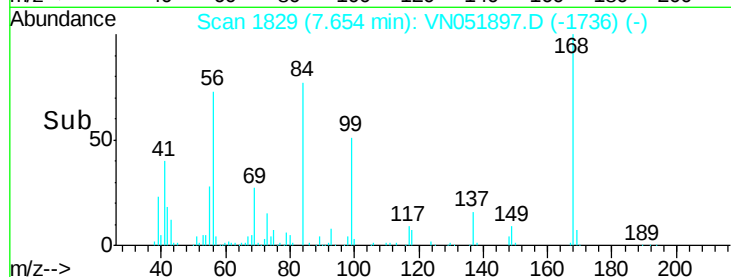
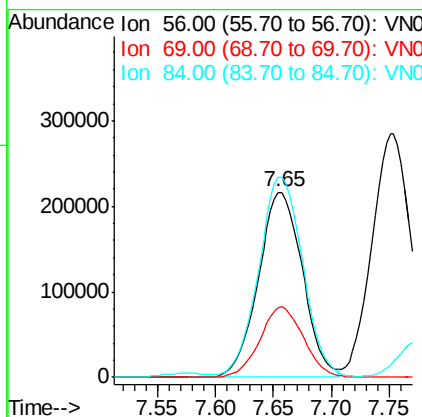
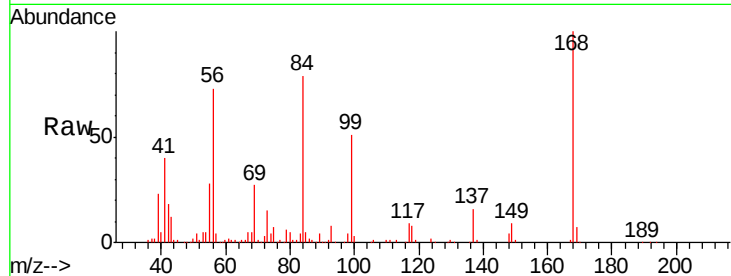
#31
Cyclohexane
Concen: 37.49 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.2	39.4
84	105.8	68.3	102.5

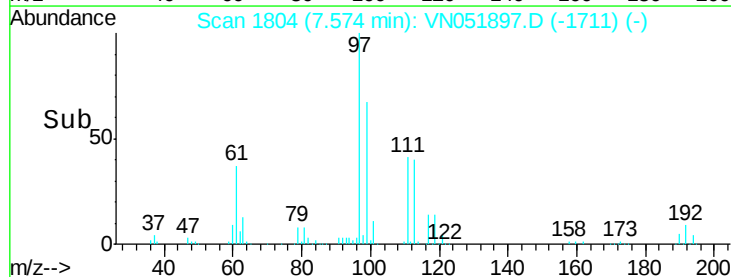
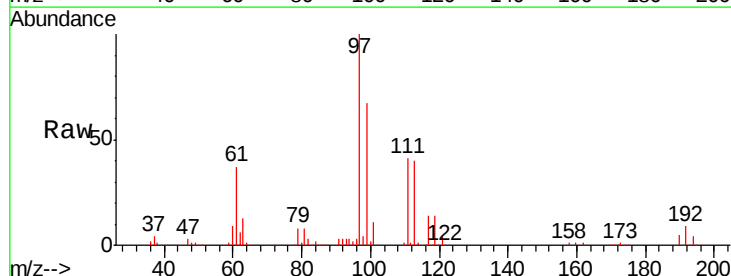
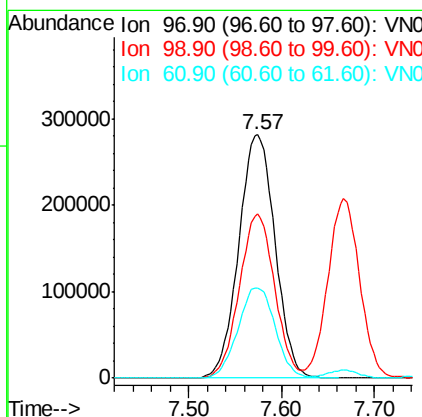
Manual Integrations
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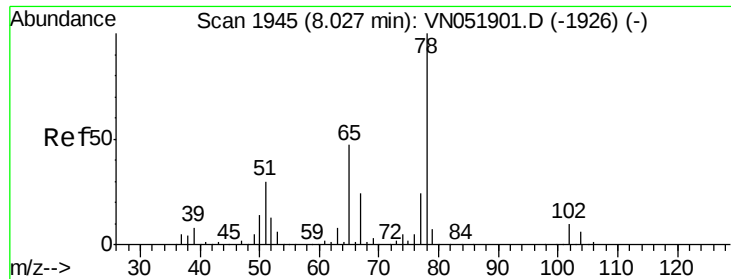
MMDadoda
10/19/2018 3:28:59 PM



#32
1,1,1-Trichloroethane
Concen: 49.26 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	37.9	34.9	52.3





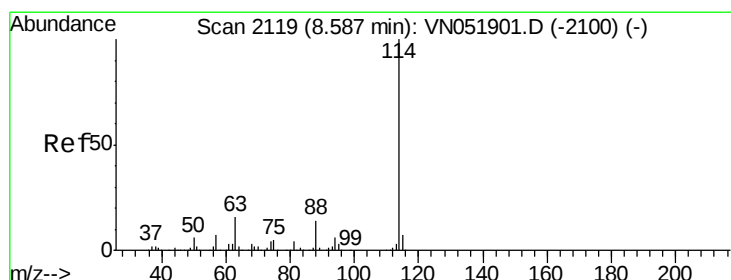
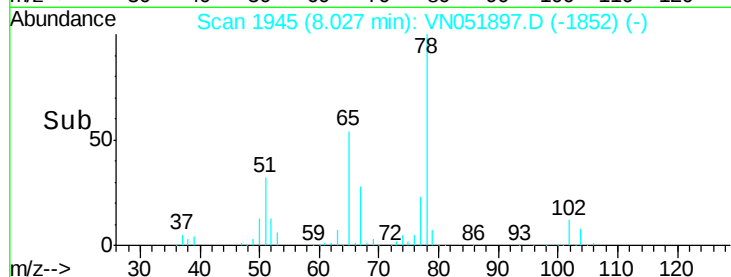
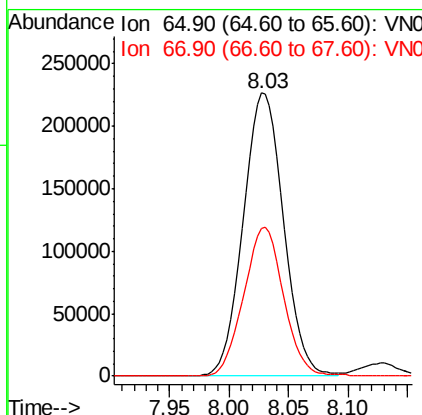
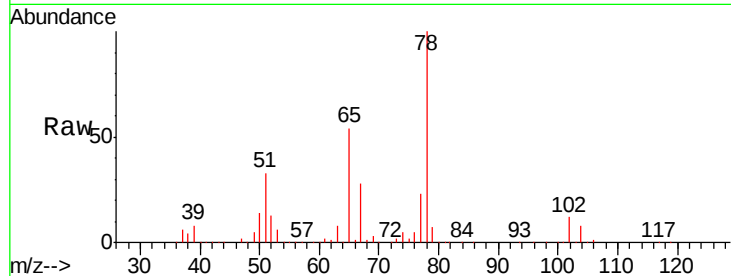
#33
 1,2-Dichloroethane-d4
 Concen: 49.26 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion: 65 Resp: 532386
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 110.4

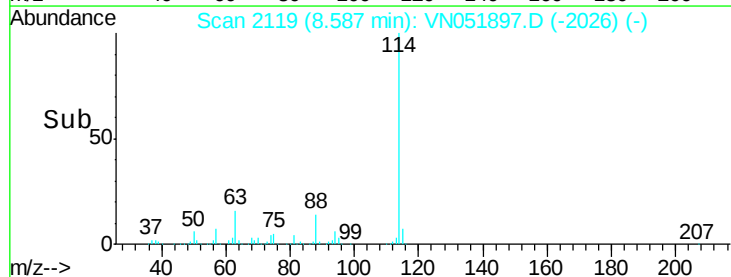
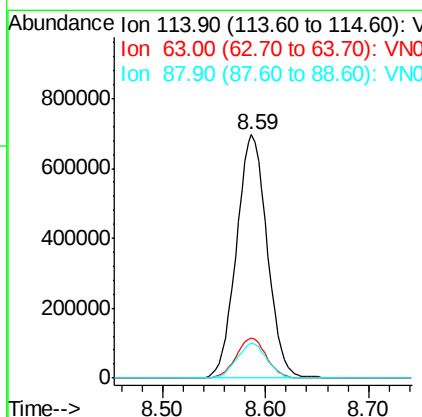
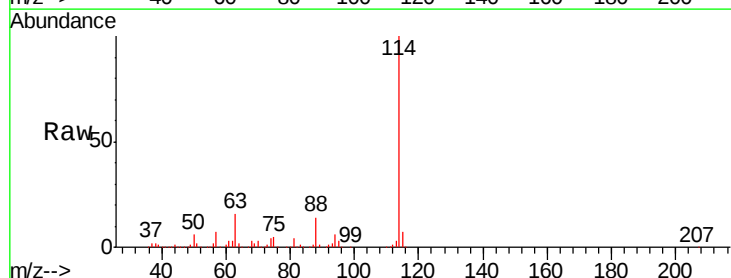
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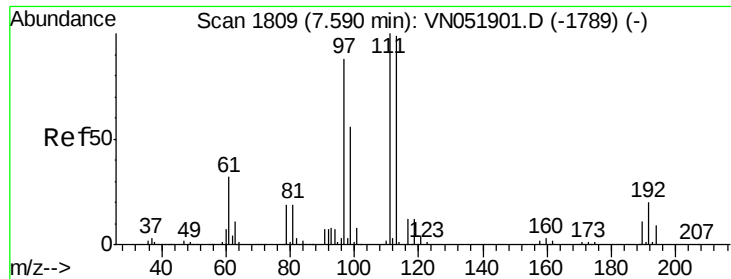
MMDadoda
 10/19/2018 3:28:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion: 114 Resp: 1446080
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 38.6
 88 14.4 0.0 30.6





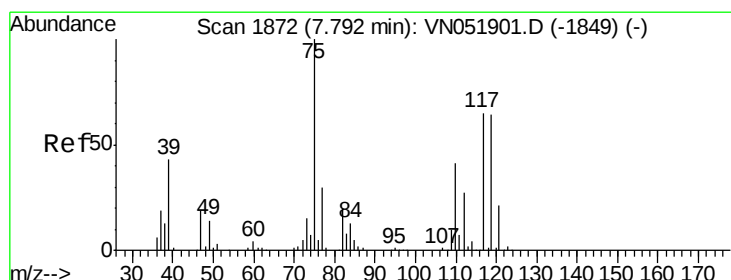
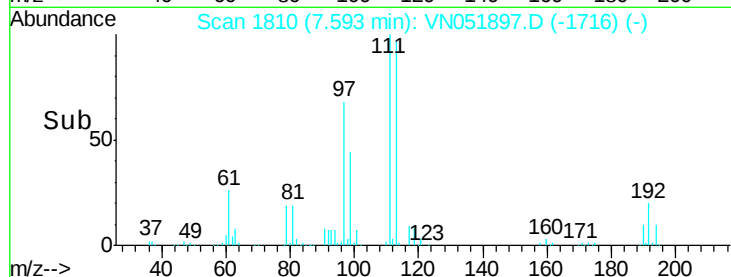
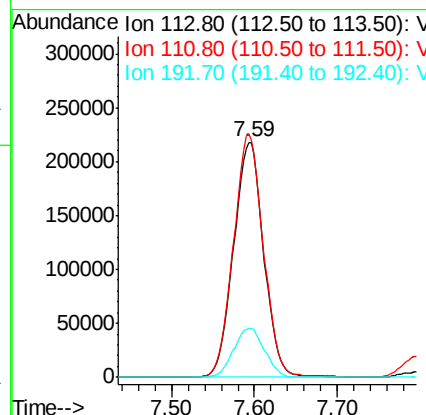
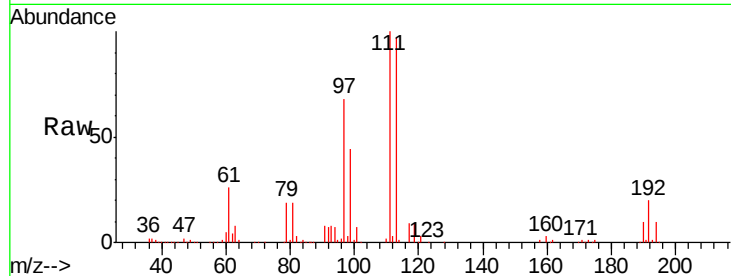
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.6	123.8	
192	21.5	18.0	27.0	

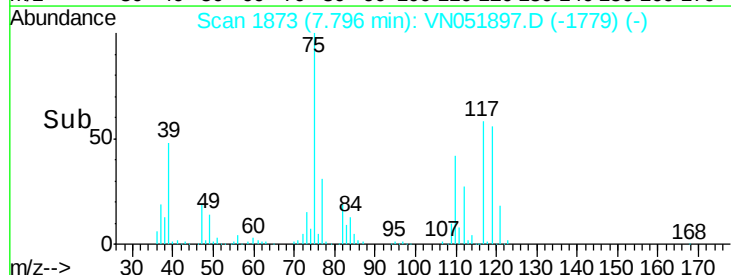
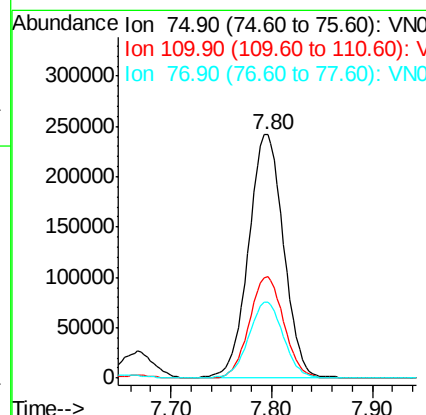
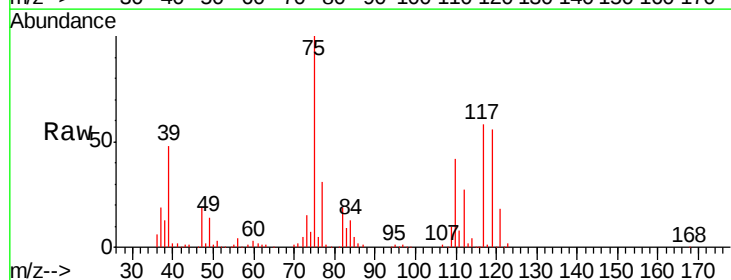
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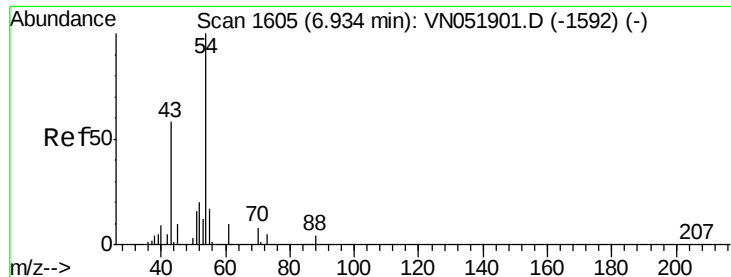
MMDadoda
10/19/2018 3:28:59 PM



#36
1,1-Dichloropropene
Concen: 49.39 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	41.3	18.1	54.4	
77	31.2	24.8	37.2	





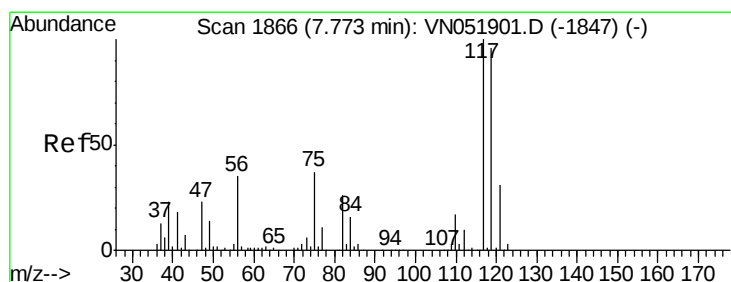
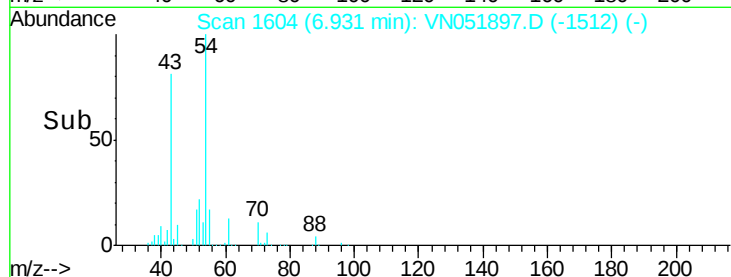
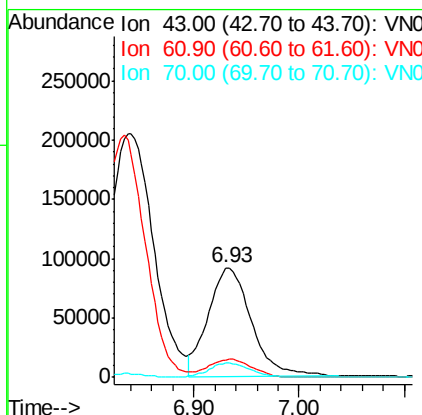
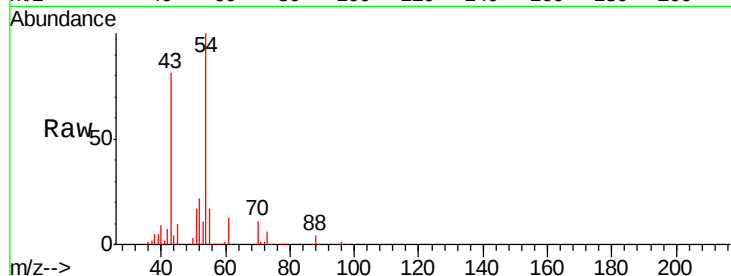
#37
Ethyl Acetate
Concen: 43.22 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.0	18.0
70	12.9	8.6	13.0

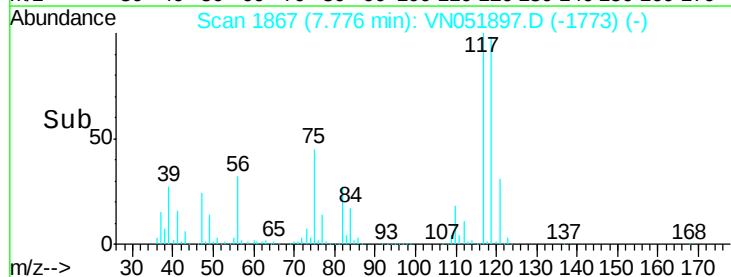
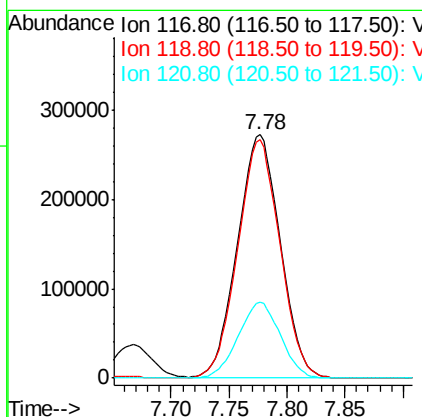
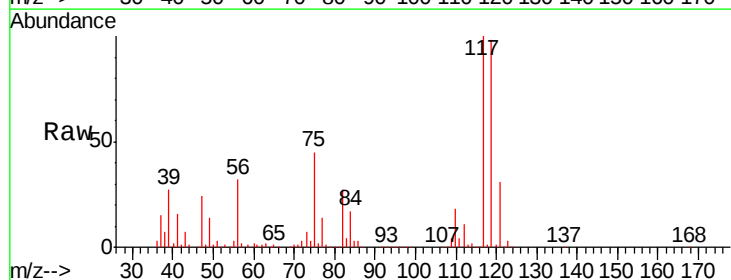
Manual Integrations
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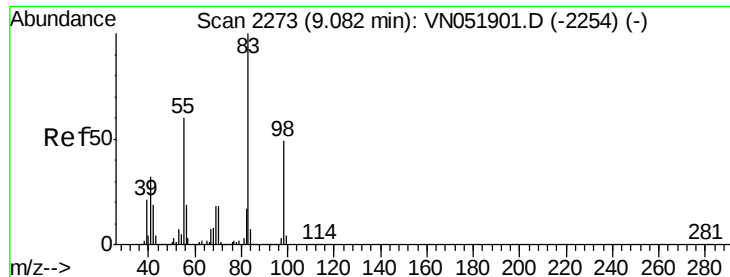
MMDadoda
10/19/2018 3:28:59 PM



#38
Carbon Tetrachloride
Concen: 51.24 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
121	31.3	24.6	36.8





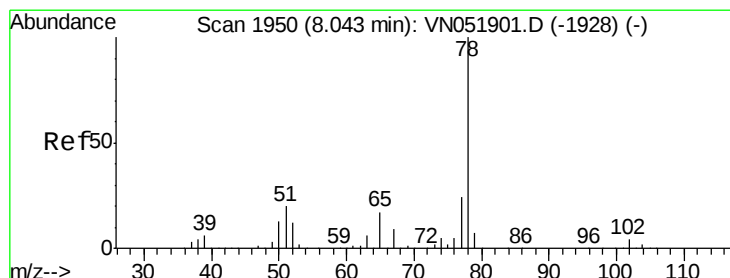
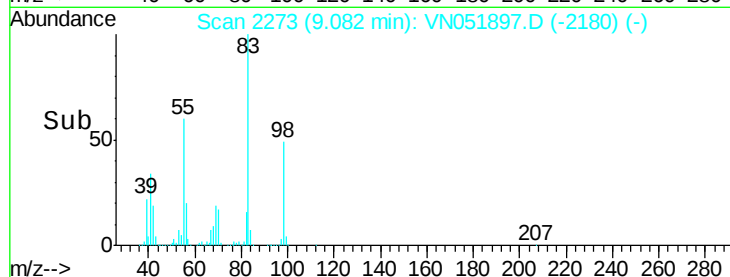
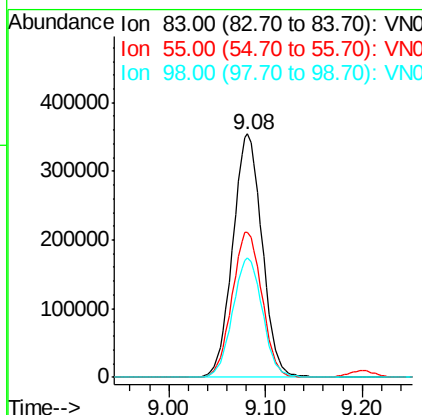
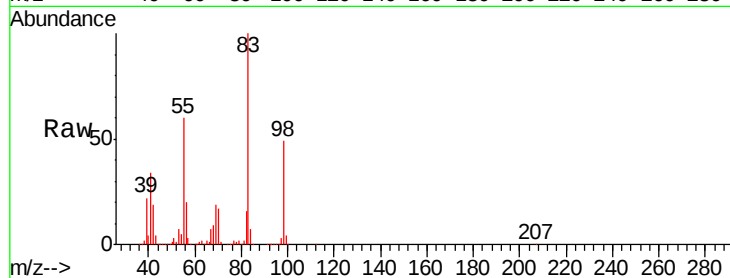
#39
Methylcyclohexane
Concen: 51.94 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	59.7	61.0	91.4#
98	49.0	37.5	56.3

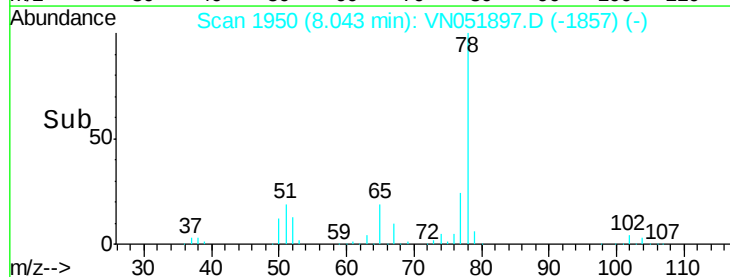
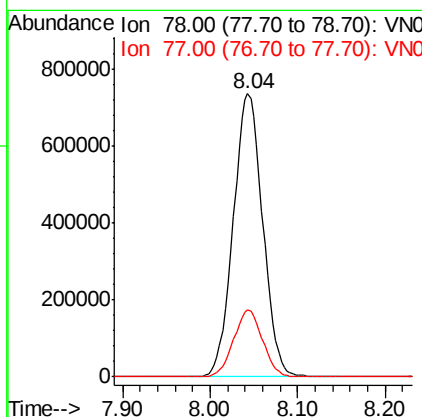
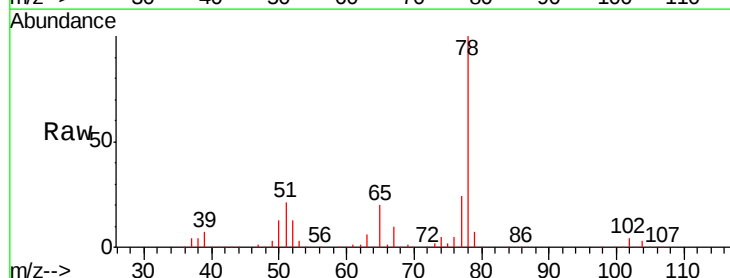
Manual Integrations
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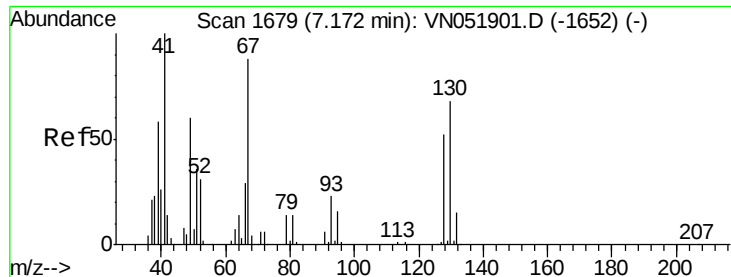
MMDadoda
10/19/2018 3:28:59 PM



#40
Benzene
Concen: 50.84 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 43.74 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.02 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

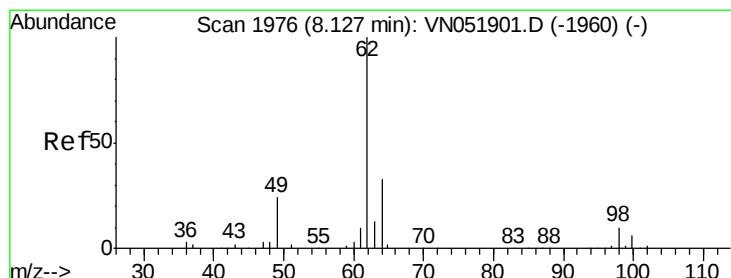
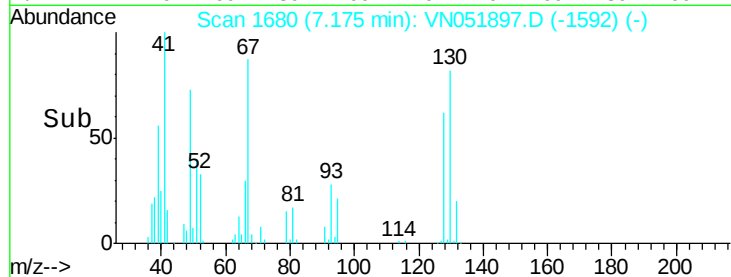
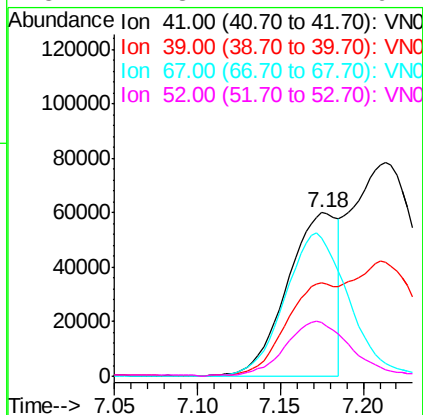
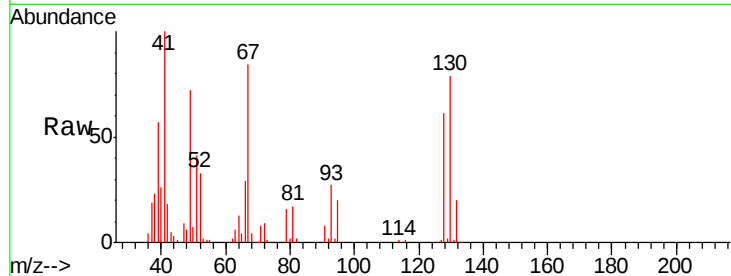
ClientSampleId :

VSTDCC50

Manual Integrations
APPROVED

MMDadoda
10/19/2018 3:28:59 PM

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.6	45.4	68.0
67	111.8	70.6	106.0#
52	44.3	27.1	40.7#



#42

1,2-Dichloroethane

Concen: 49.12 ug/l

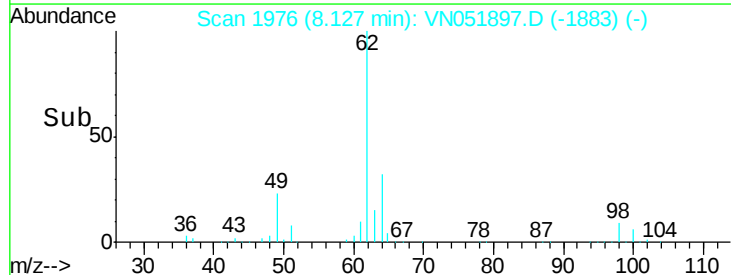
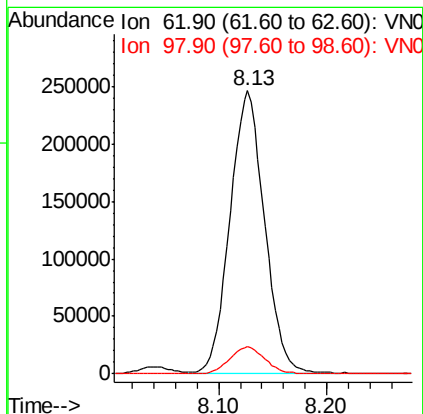
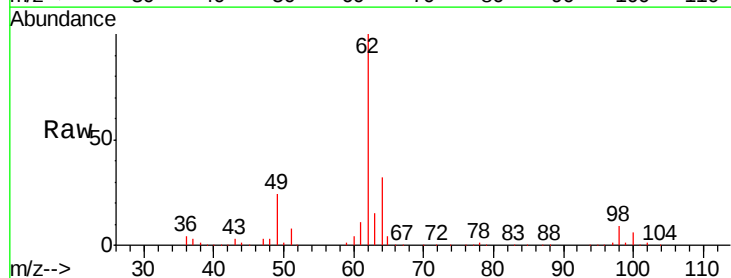
RT: 8.13 min Scan# 1976

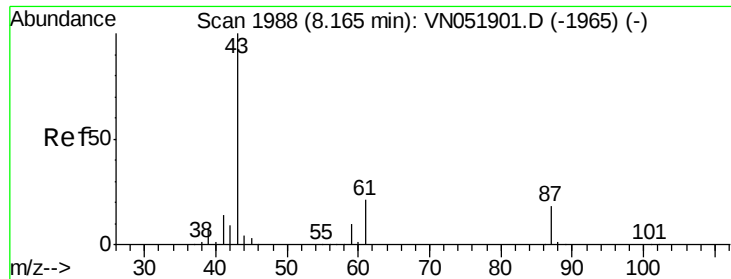
Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





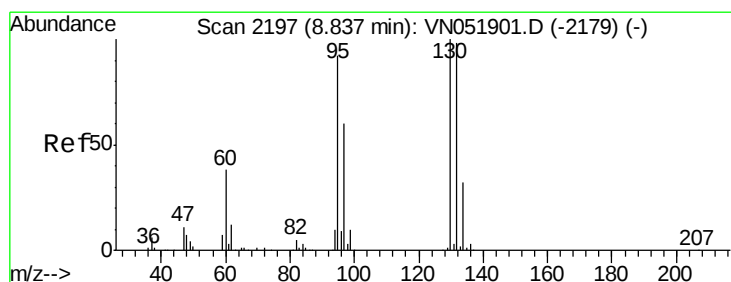
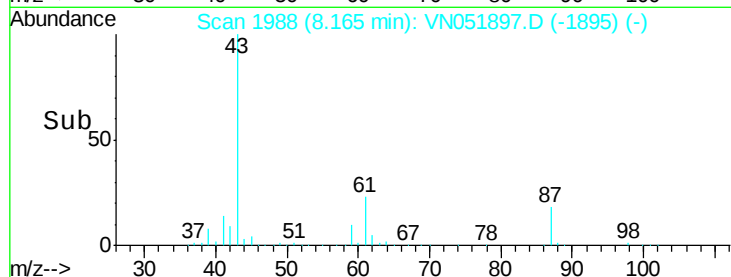
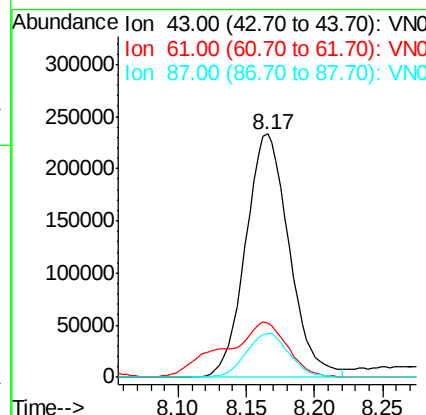
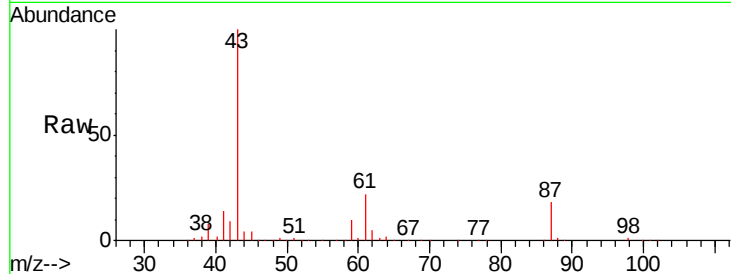
#43
Isopropyl Acetate
Concen: 37.31 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.5	26.3
87	18.2	11.3	16.9

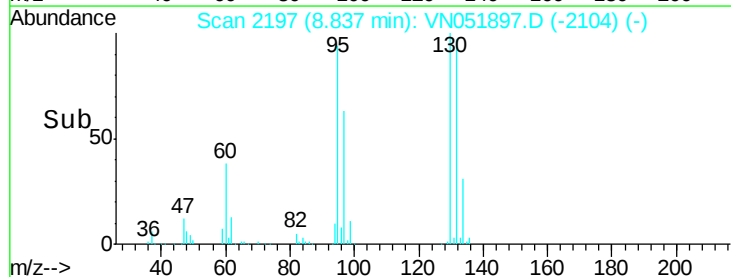
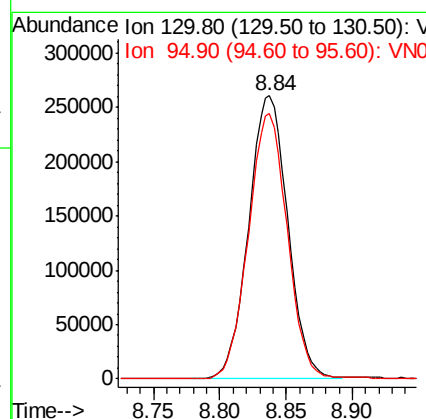
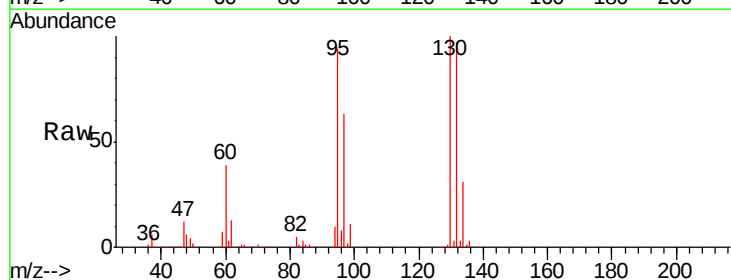
Manual Integrations
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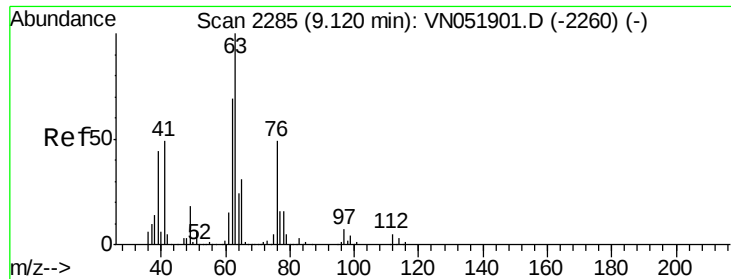
MMDadoda
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#44
Trichloroethene
Concen: 52.13 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	193.0





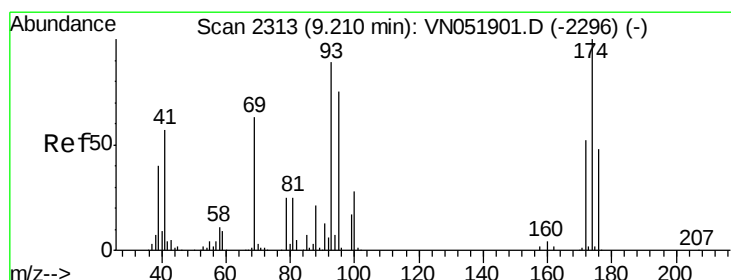
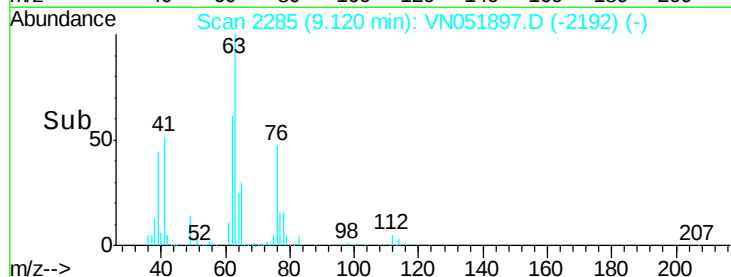
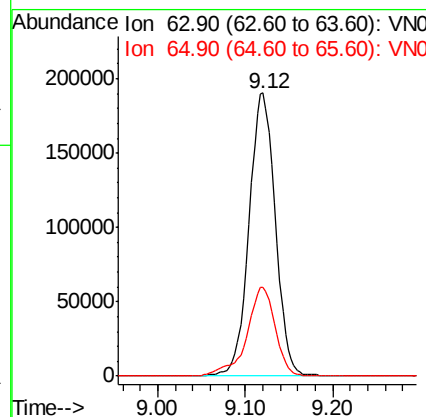
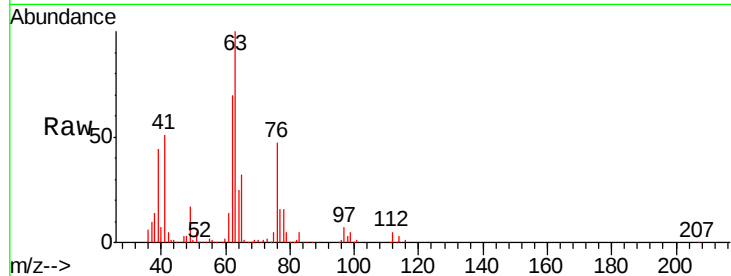
#45
 1,2-Dichloropropane
 Concen: 49.99 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion: 63 Resp: 396973
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

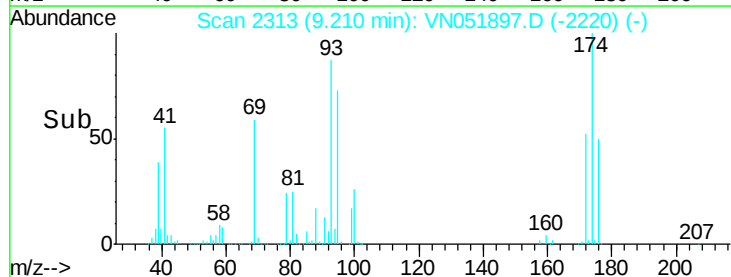
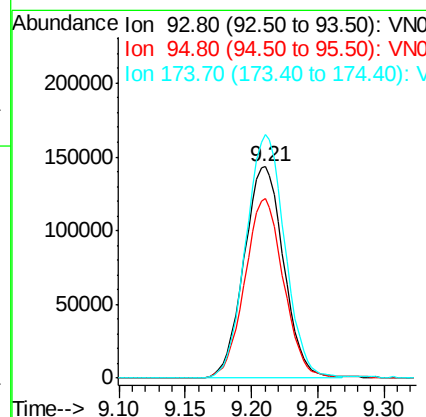
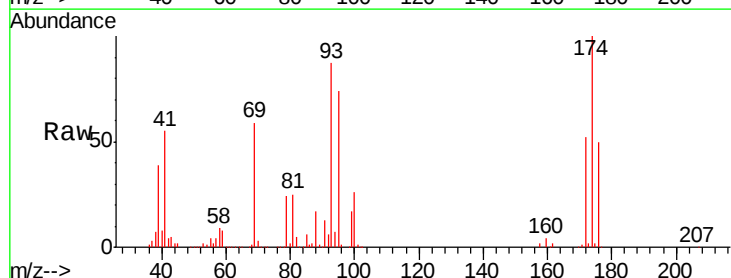
Manual Integrations
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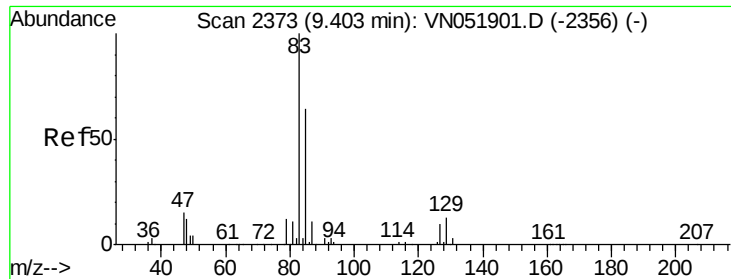
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#46
 Dibromomethane
 Concen: 48.92 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion: 93 Resp: 298097
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 113.7 89.8 134.6





#47

Bromodichloromethane

Concen: 51.31 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

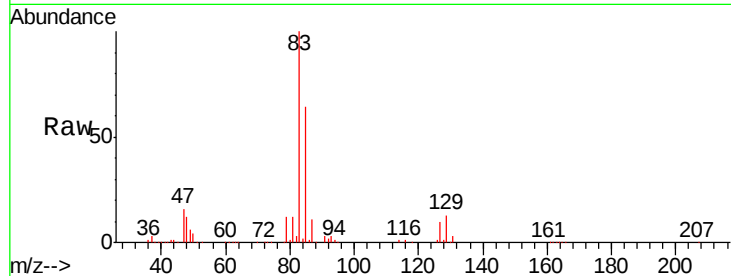
ClientSampleId :

VSTDCC50

Tgt Ion:	83	Resp:	624695
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.6	78.8
127	9.9	7.2	10.8

Manual Integrations
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10/19/2018 3:28:59 PM

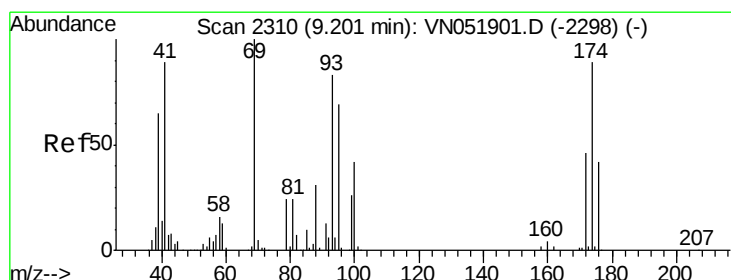
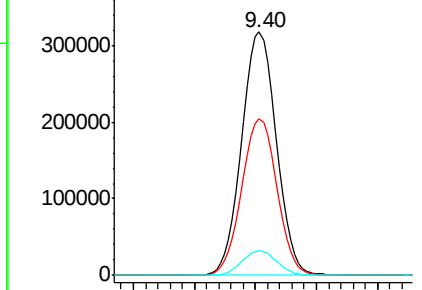
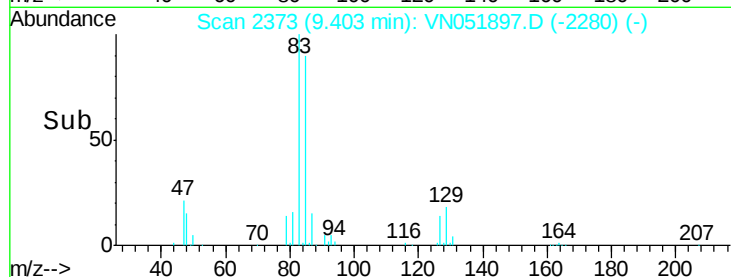


Abundance Ion 82.90 (82.60 to 83.60): VN051897.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051897.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051897.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 43.28 ug/l

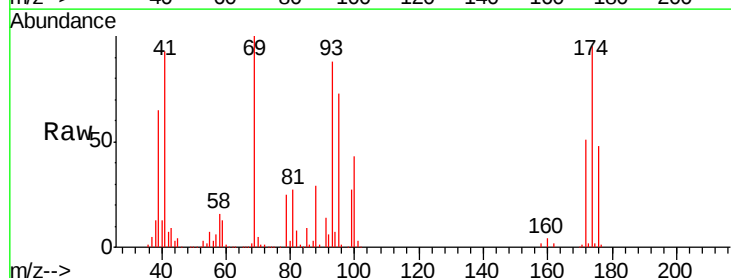
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion:	41	Resp:	231763
Ion Ratio	Lower	Upper	
41	100		
69	113.6	74.7	112.1#
39	74.6	42.2	63.2#

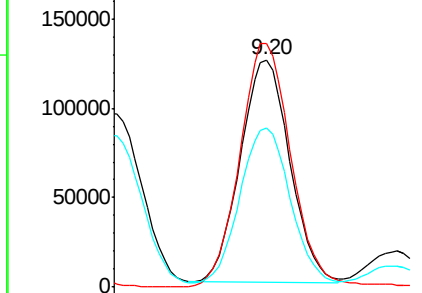
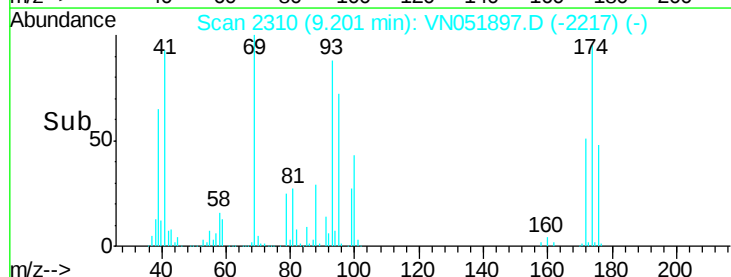


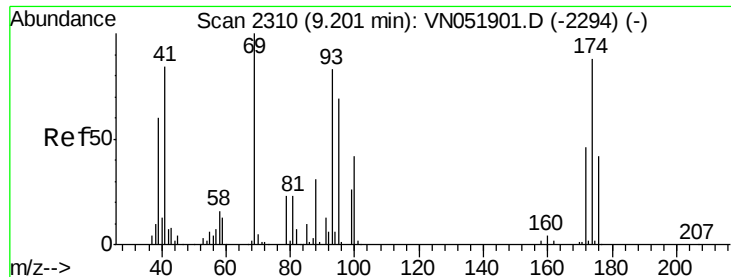
Abundance Ion 41.00 (40.70 to 41.70): VN051897.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051897.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051897.D (-2217) (-)

Time-->





#49

1,4-Dioxane

Concen: 908.35 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

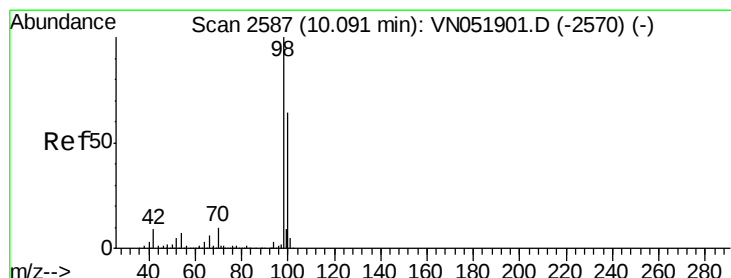
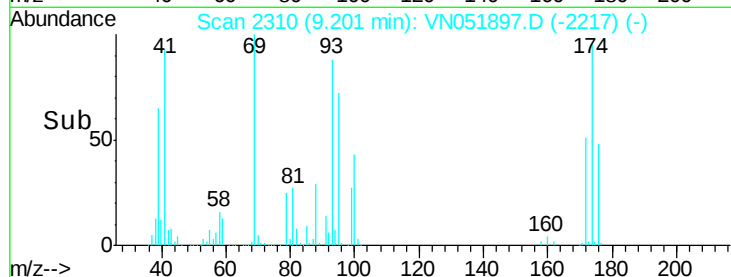
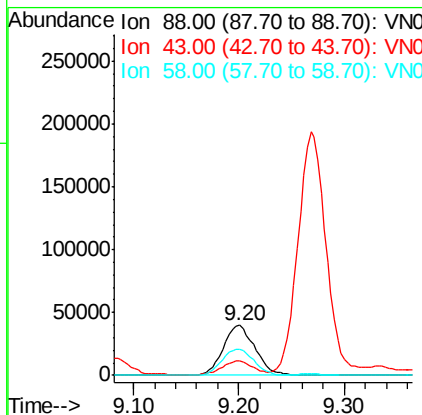
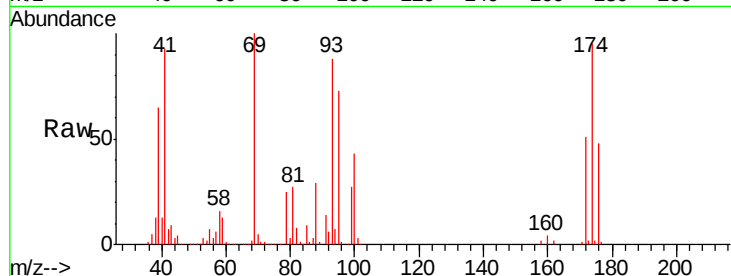
ClientSampled :

VSTDCC50

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.4	25.9	38.9
58	52.9	55.0	82.4

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#50

Toluene-d8

Concen: 908.35 ug/l

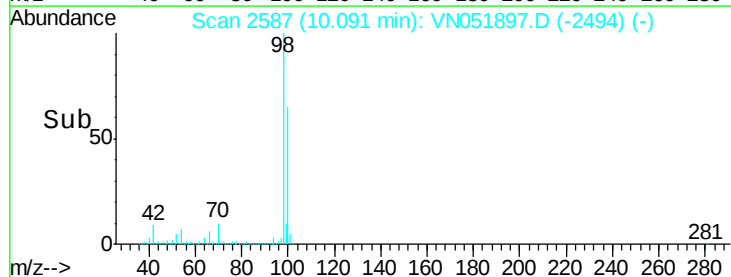
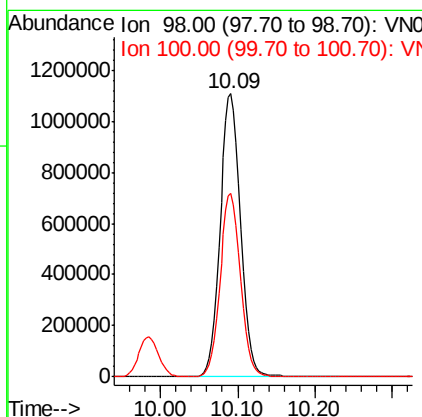
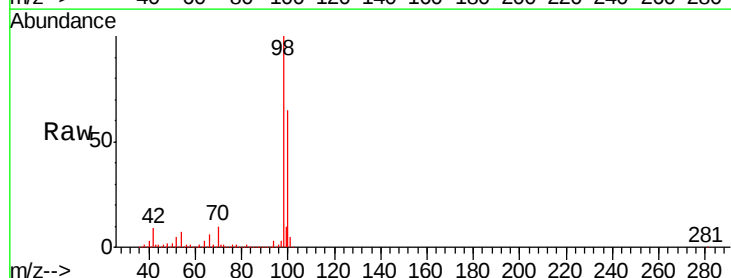
RT: 10.09 min Scan# 2587

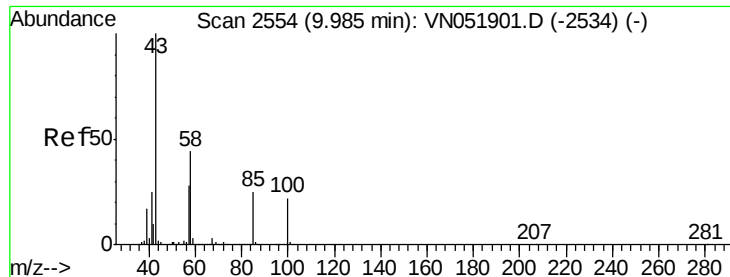
Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3





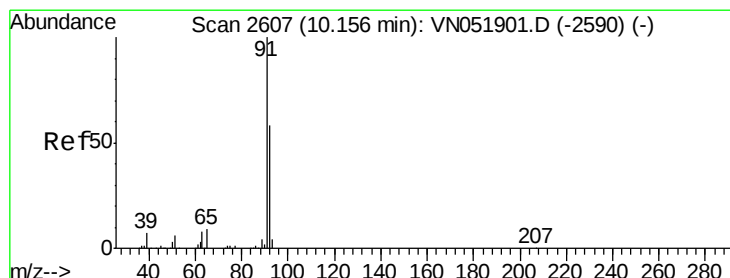
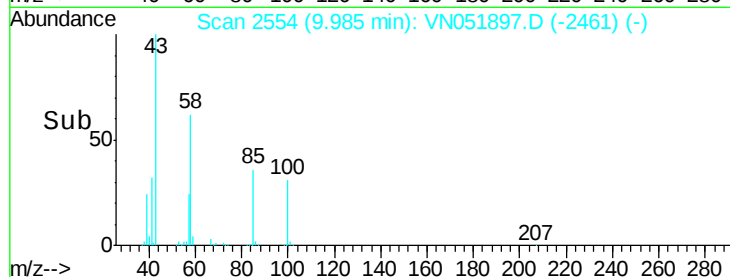
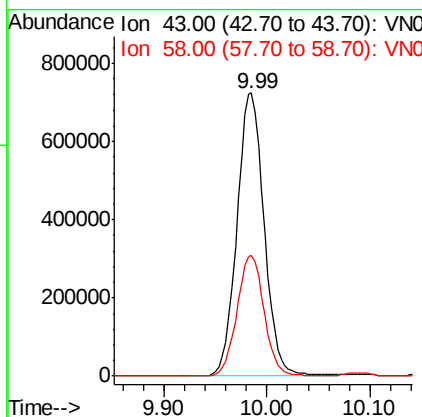
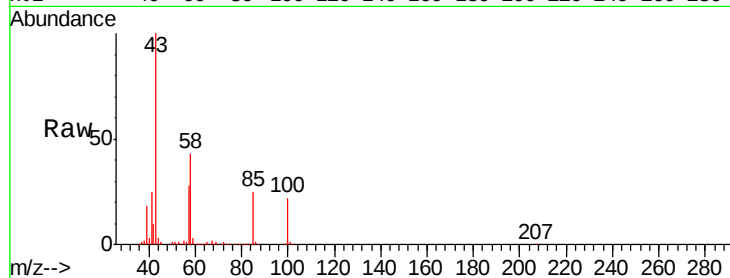
#51
4-Methyl-2-Pentanone
Concen: 212.51 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 43 Resp: 1325934
Ion Ratio Lower Upper
43 100
58 42.8 32.4 48.6

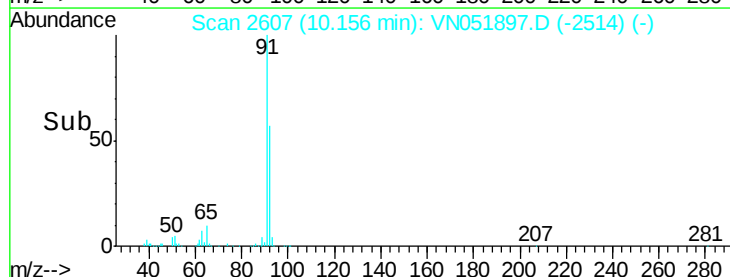
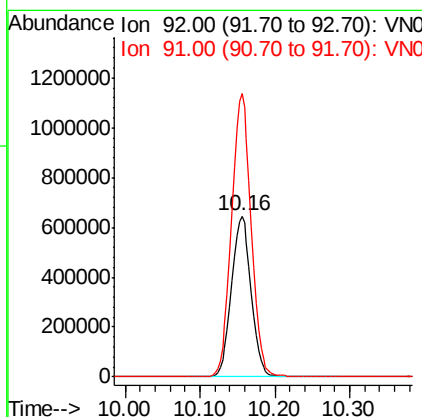
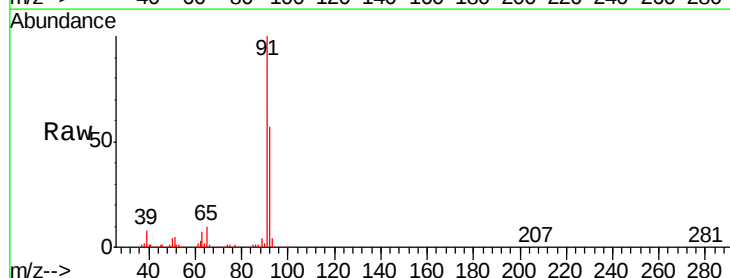
Manual Integrations
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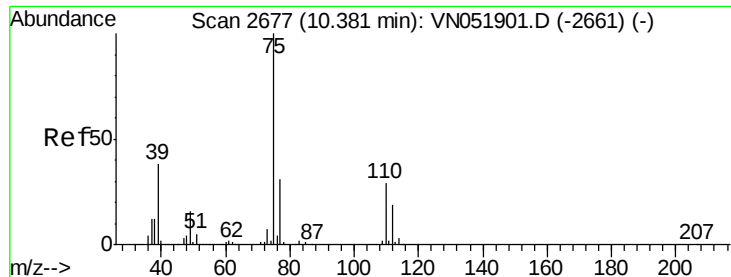
MMDadoda
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#52
Toluene
Concen: 51.60 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 92 Resp: 1170095
Ion Ratio Lower Upper
92 100
91 177.0 140.6 211.0





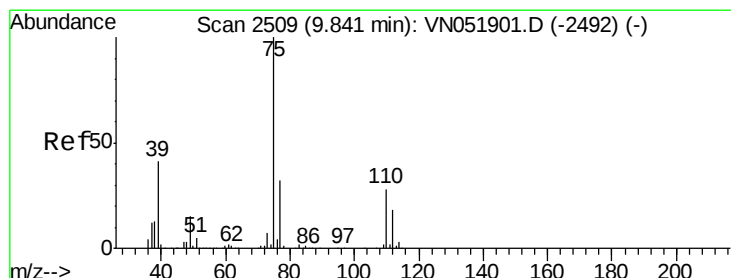
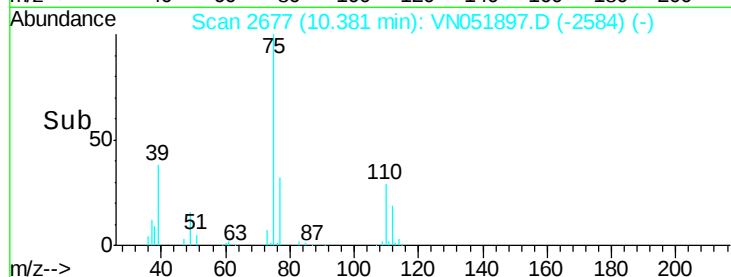
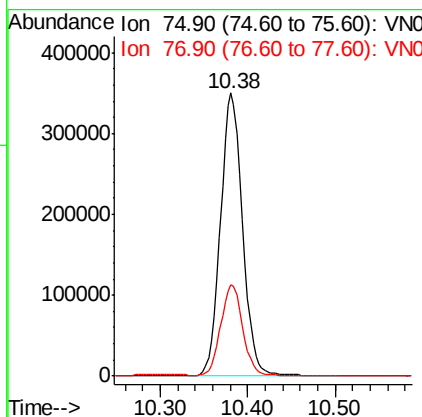
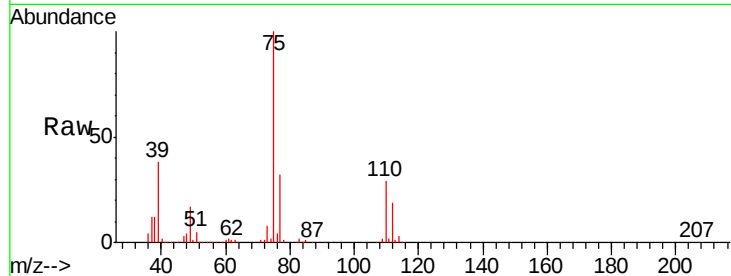
#53
t-1,3-Dichloropropene
Concen: 50.30 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 75 Resp: 613559
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5

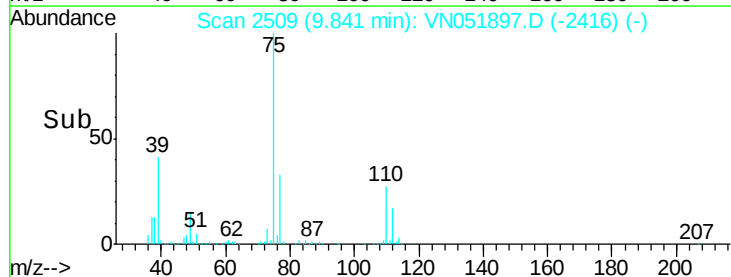
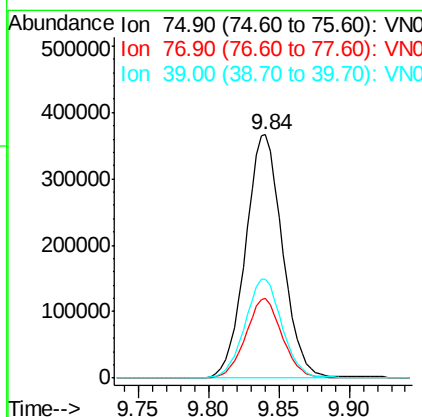
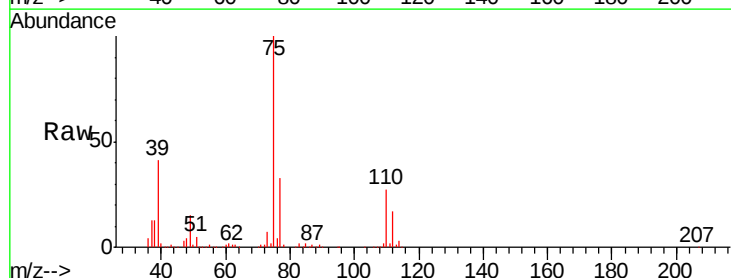
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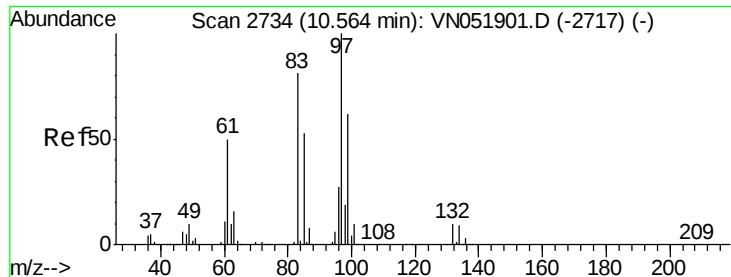
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#54
cis-1,3-Dichloropropene
Concen: 50.18 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 75 Resp: 672071
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2
39 40.7 33.0 49.4





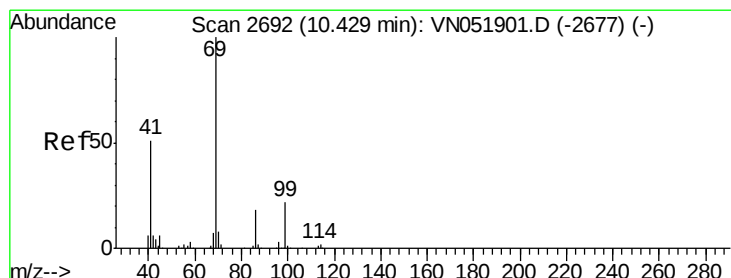
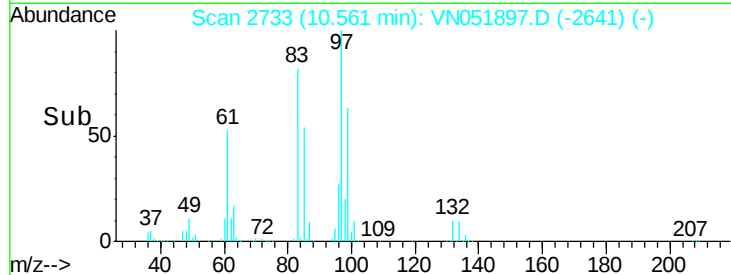
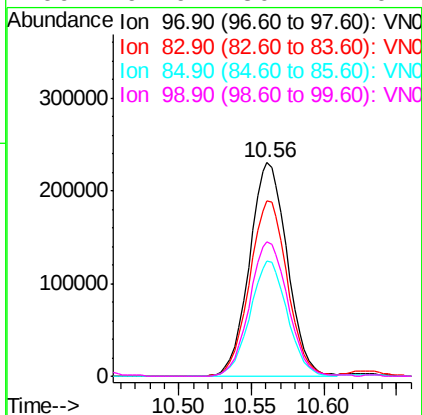
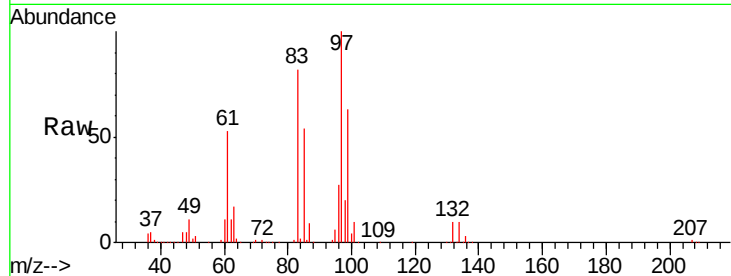
#55
 1,1,2-Trichloroethane
 Concen: 48.99 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.7	104.5
85	53.8	44.5	66.7
99	62.9	50.7	76.1

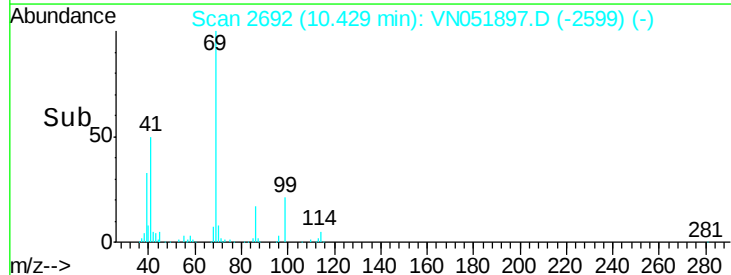
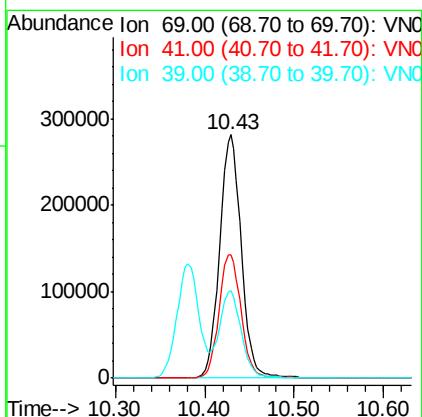
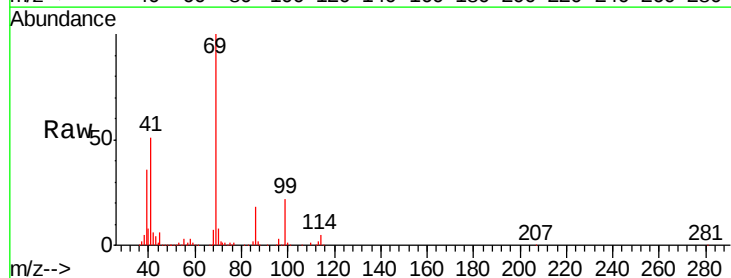
Manual Integrations
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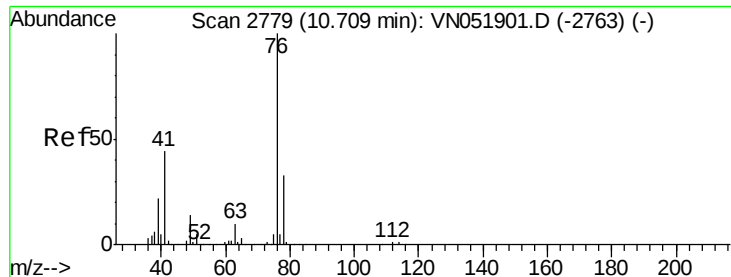
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#56
 Ethyl methacrylate
 Concen: 47.01 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	51.1	48.3	72.5
39	36.2	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 48.09 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 76 Resp: 637344

Ion Ratio Lower Upper

76 100

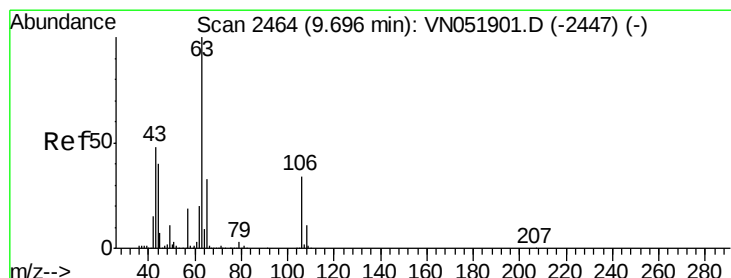
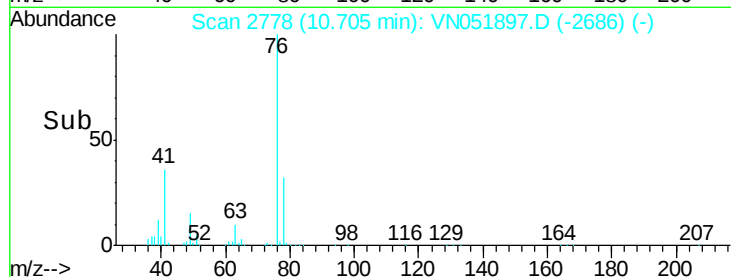
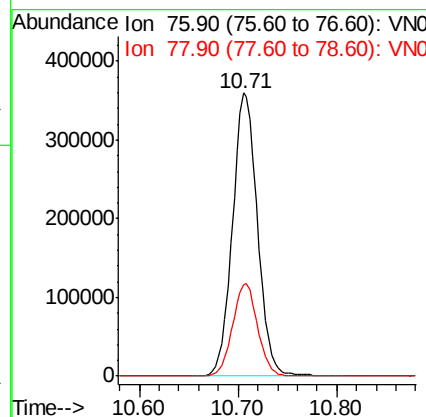
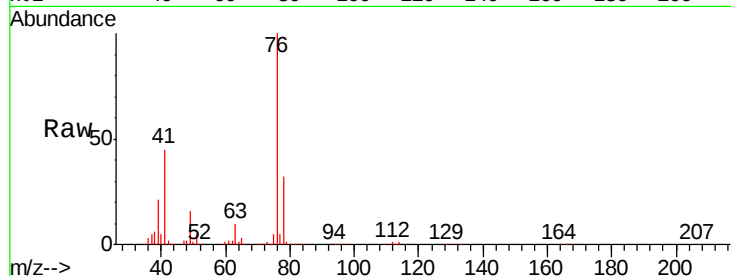
78 32.7 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 229.69 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051897.D

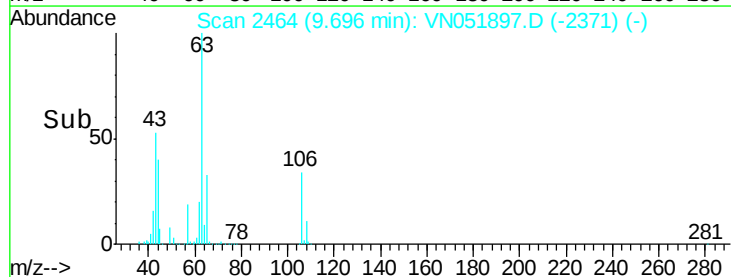
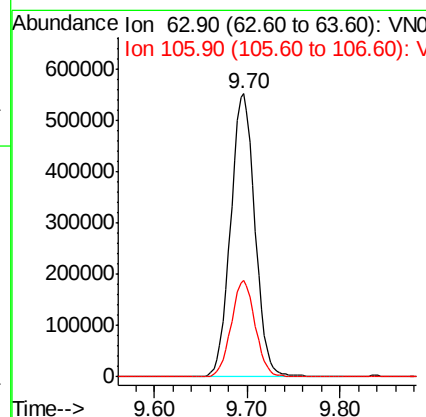
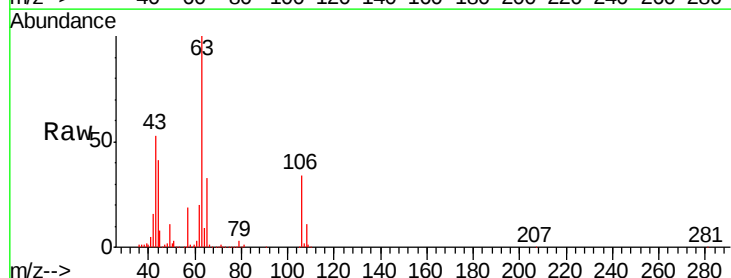
Acq: 17 Oct 2018 8:08

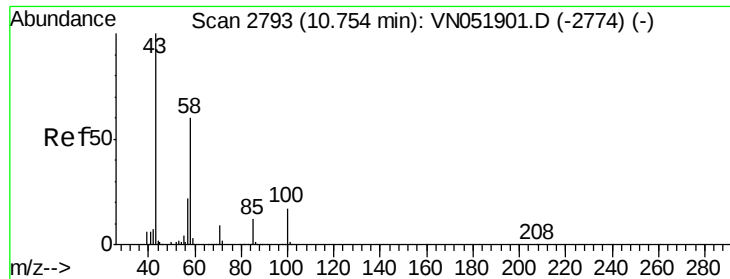
Tgt Ion: 63 Resp: 1004773

Ion Ratio Lower Upper

63 100

106 33.6 21.9 32.9#





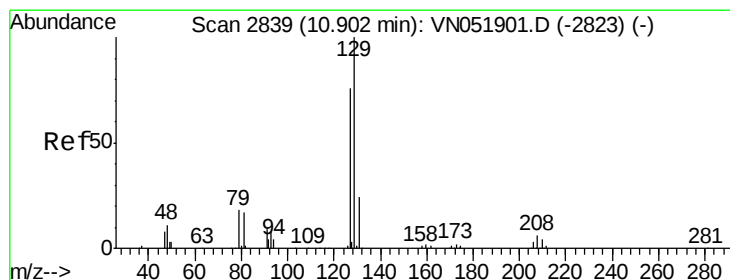
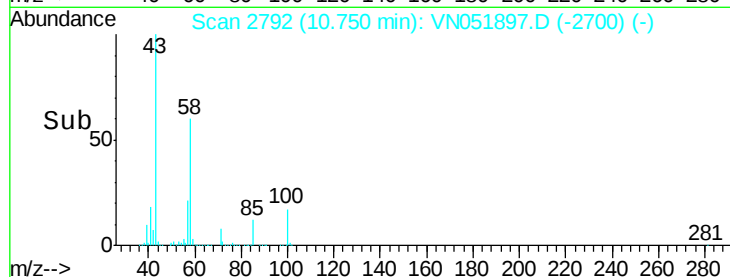
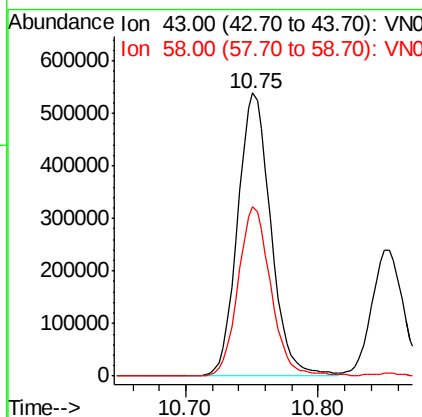
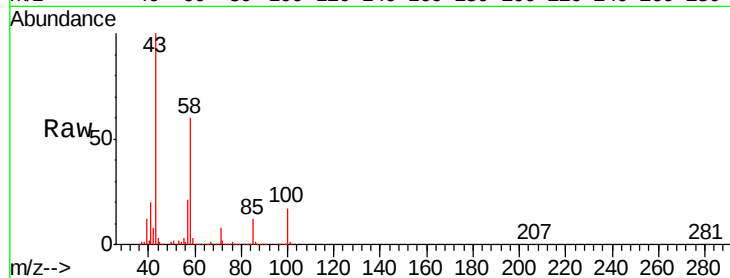
#59
2-Hexanone
Concen: 212.92 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 43 Resp: 933084
Ion Ratio Lower Upper
43 100
58 59.2 28.3 85.0

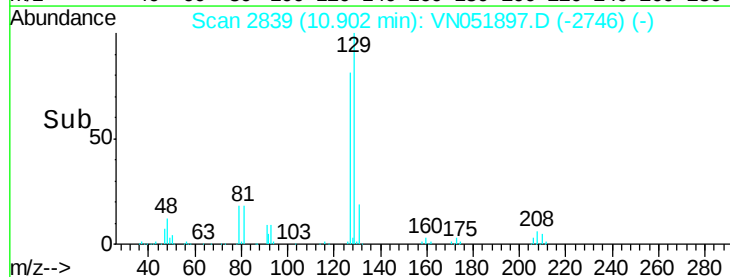
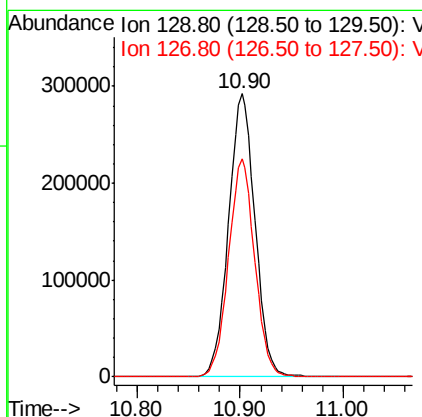
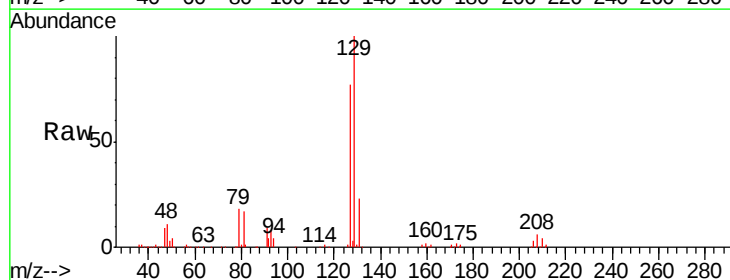
Manual Integrations
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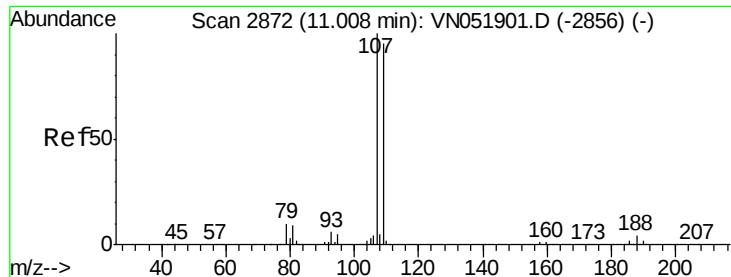
MMDadoda
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#60
Dibromochloromethane
Concen: 51.69 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 129 Resp: 523463
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9





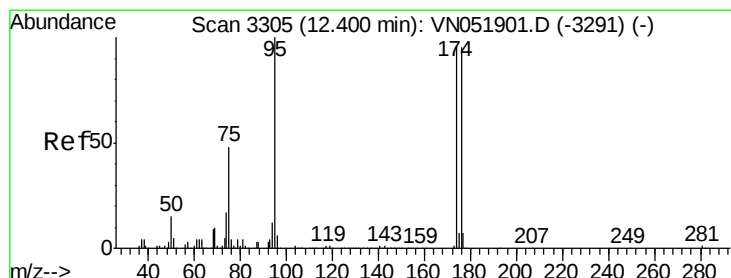
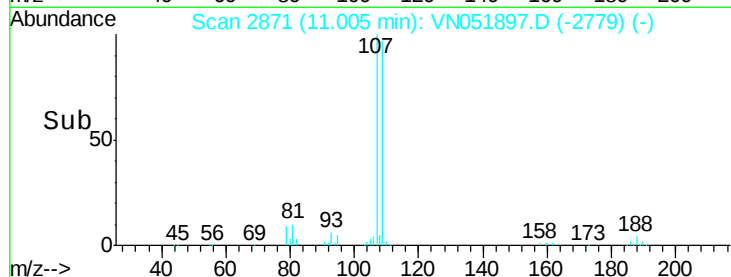
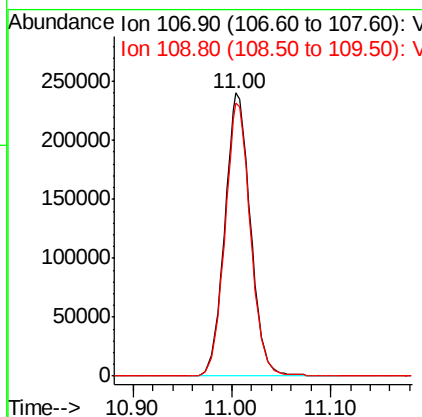
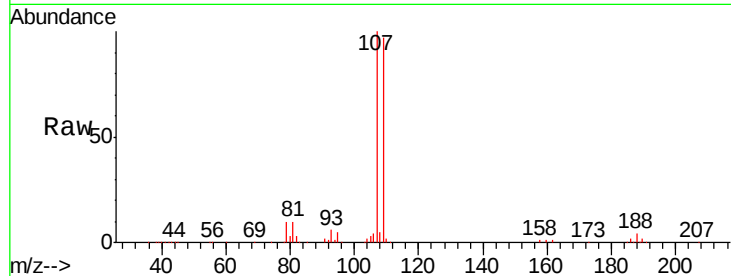
#61
 1,2-Dibromoethane
 Concen: 49.66 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion: 107 Resp: 436276
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.4 113.2

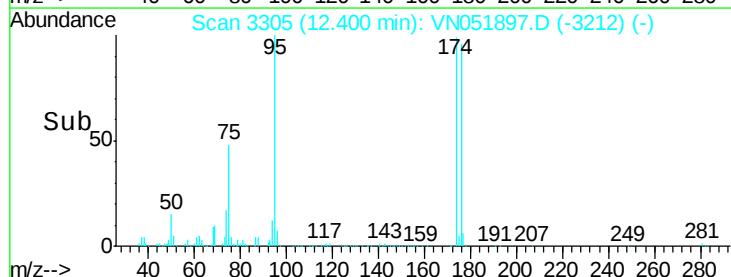
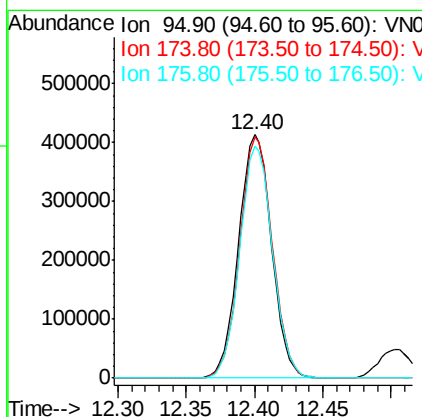
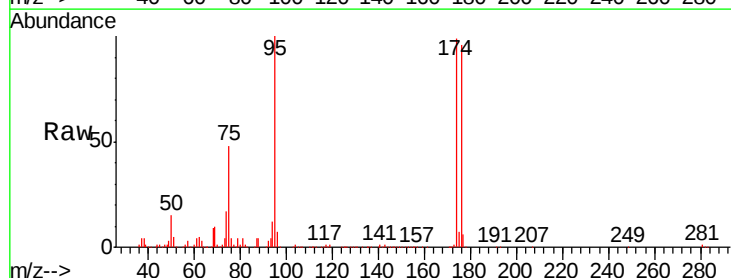
Manual Integrations
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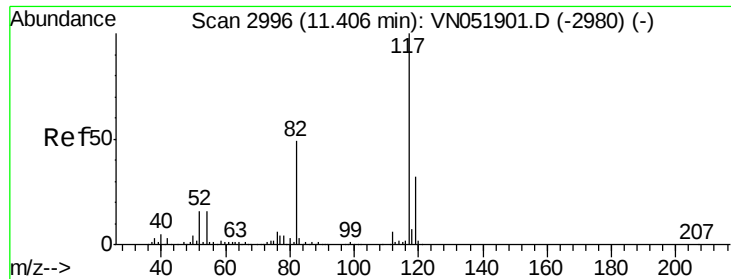
MMDadoda
 10/19/2018 3:28:59 PM



#62
 4-Bromofluorobenzene
 Concen: 49.66 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion: 95 Resp: 692662
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 183.0
 176 94.9 0.0 178.8





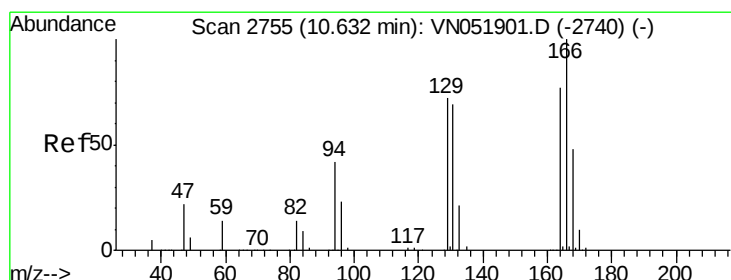
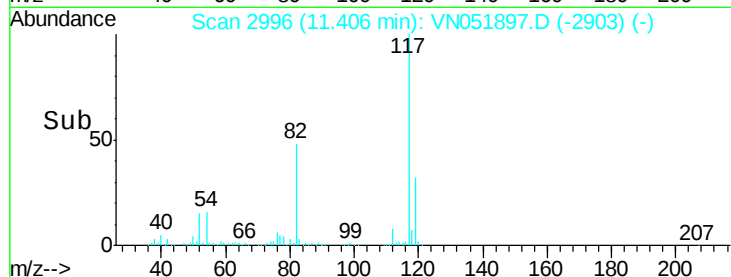
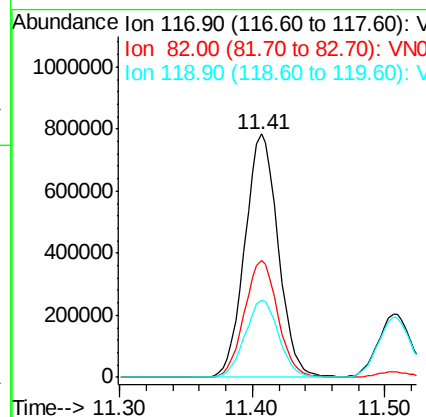
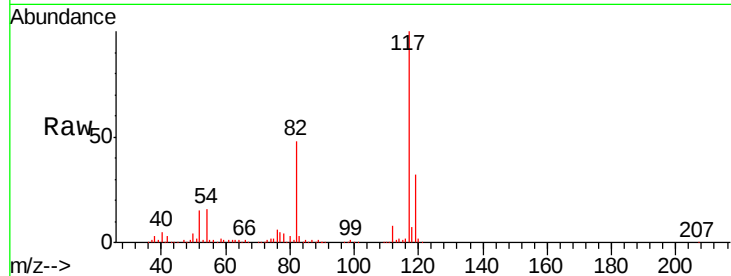
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion:117 Resp: 1366839
Ion Ratio Lower Upper
117 100
82 48.0 42.6 64.0
119 32.0 25.8 38.6

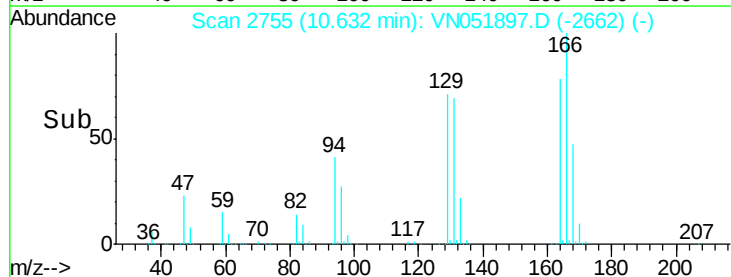
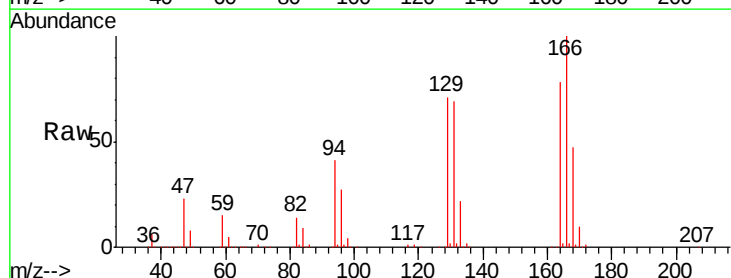
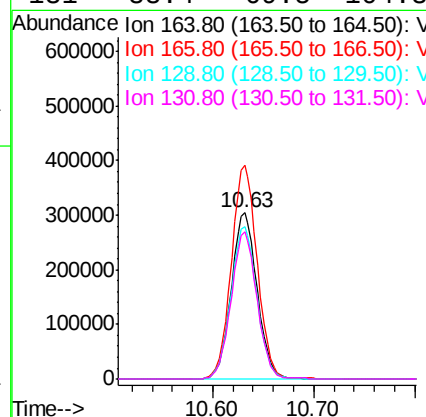
Manual Integrations
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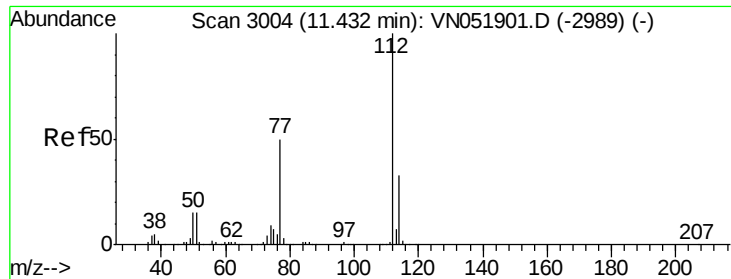
MMDadoda
10/19/2018 3:28:59 PM



#64
Tetrachloroethene
Concen: 51.85 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion:164 Resp: 543603
Ion Ratio Lower Upper
164 100
166 128.7 103.5 155.3
129 91.9 72.7 109.1
131 88.4 69.5 104.3





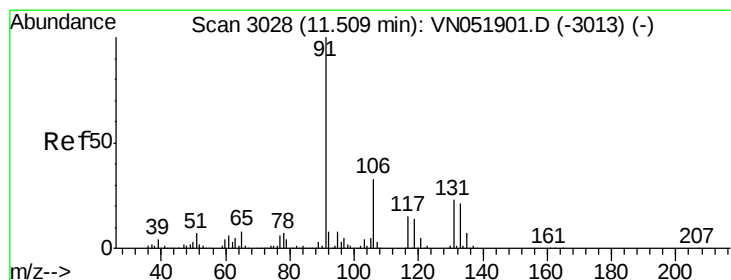
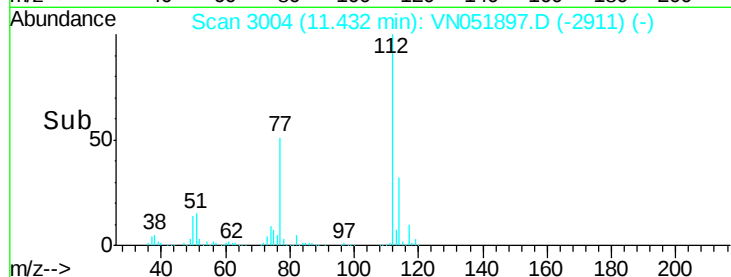
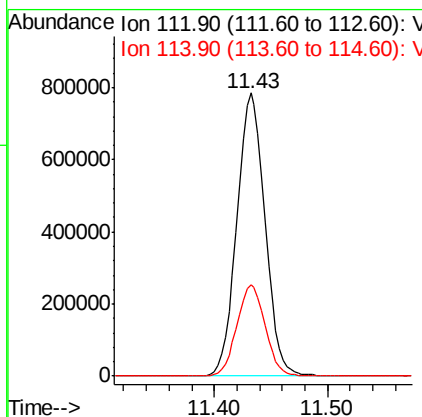
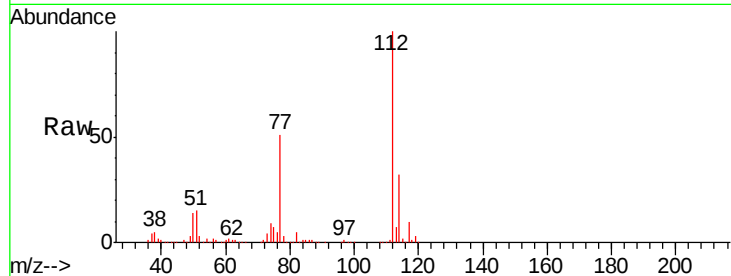
#65
Chlorobenzene
Concen: 49.18 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion:112 Resp: 1359475
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

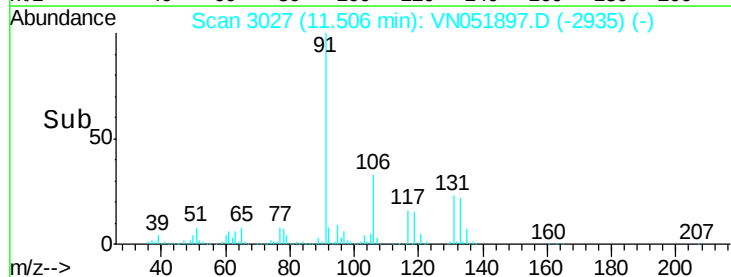
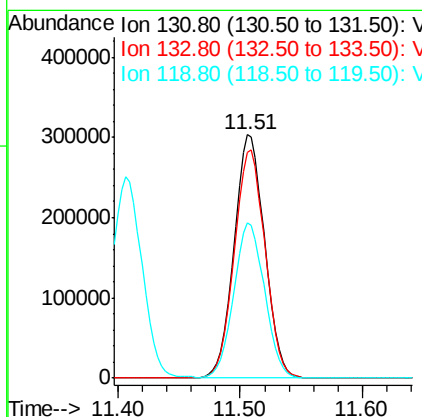
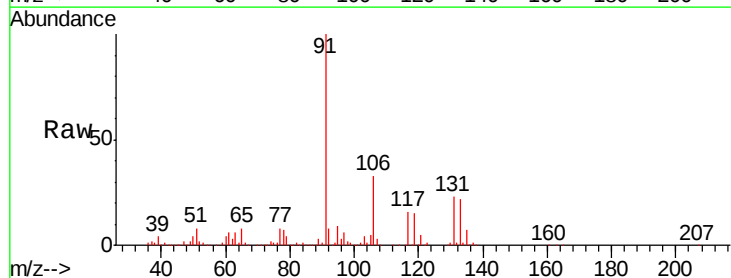
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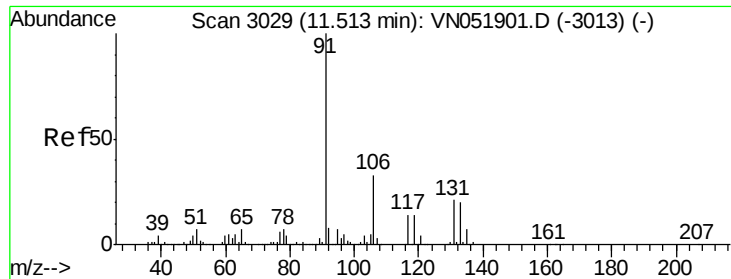
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.80 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion:131 Resp: 524717
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 64.5 32.8 98.4





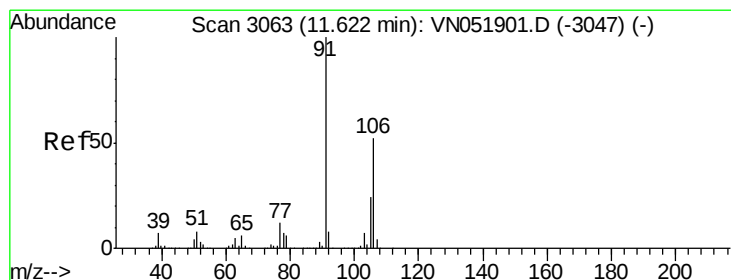
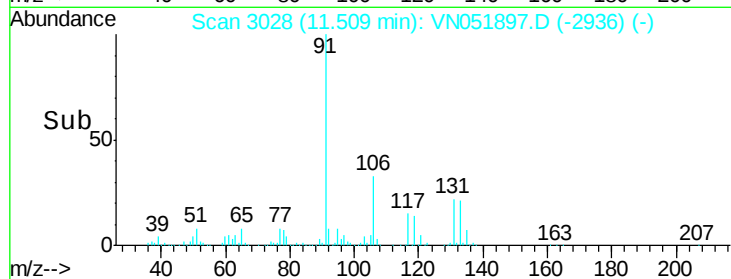
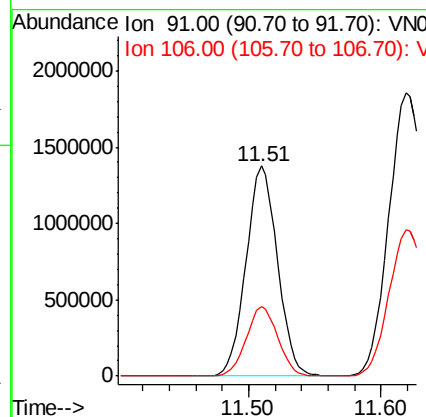
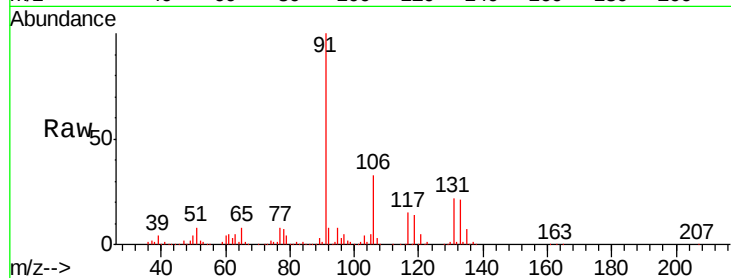
#67
Ethyl Benzene
Concen: 49.64 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 91 Resp: 2271747
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.4

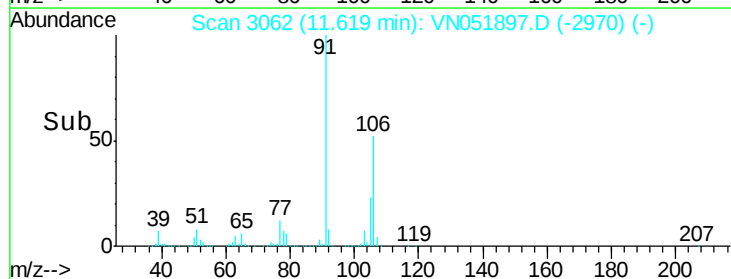
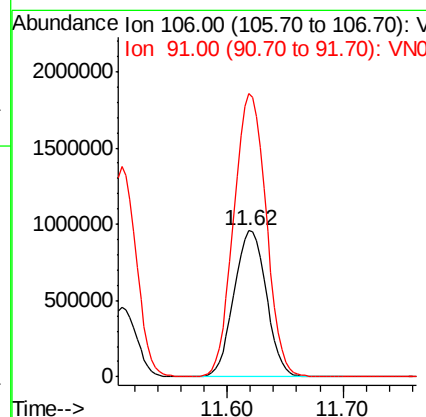
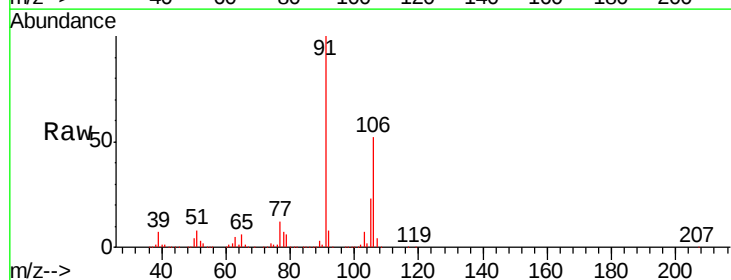
Manual Integrations
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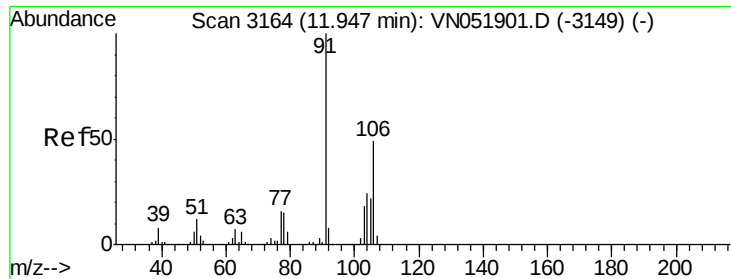
MMDadoda
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#68
m/p-Xylenes
Concen: 100.20 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 106 Resp: 1852184
Ion Ratio Lower Upper
106 100
91 193.6 161.0 241.6





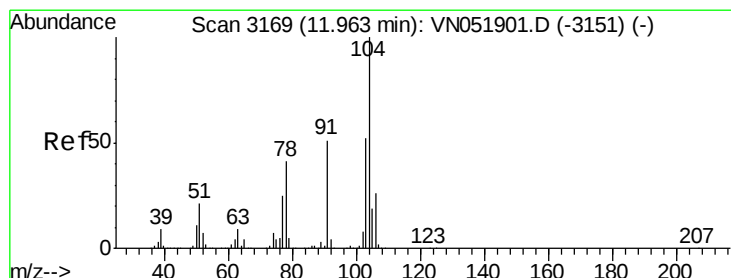
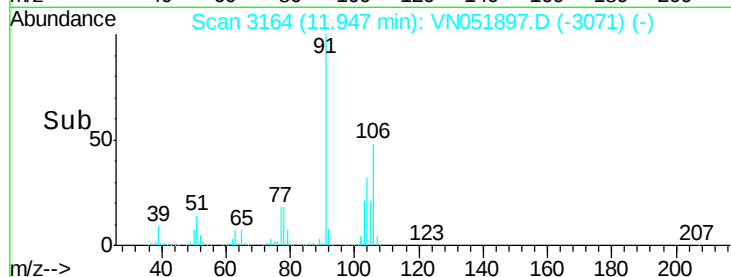
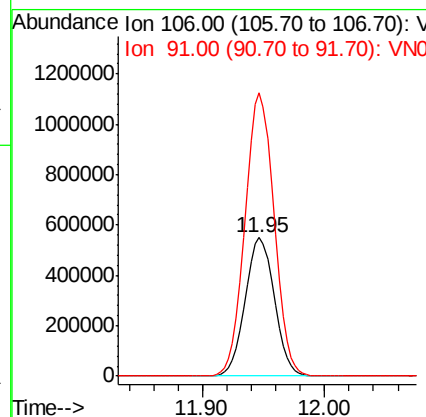
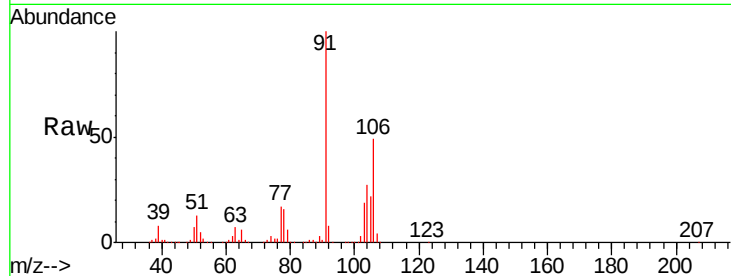
#69
o-Xylene
Concen: 50.47 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion:106 Resp: 906078
Ion Ratio Lower Upper
106 100
91 203.6 106.5 319.5

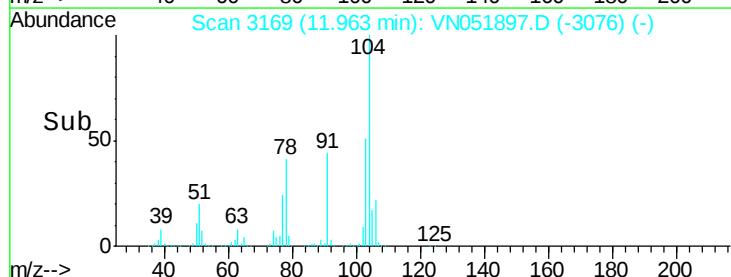
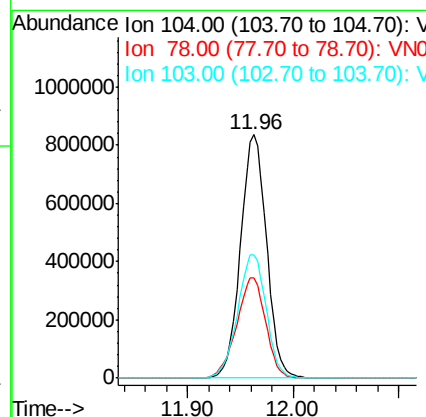
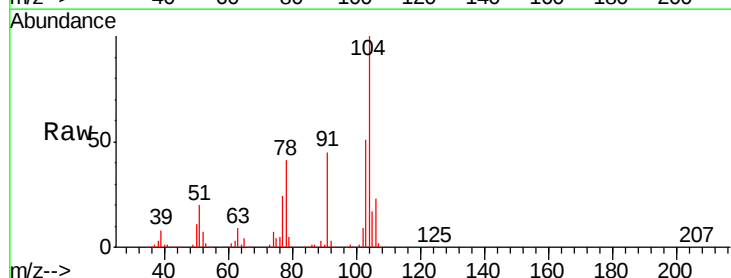
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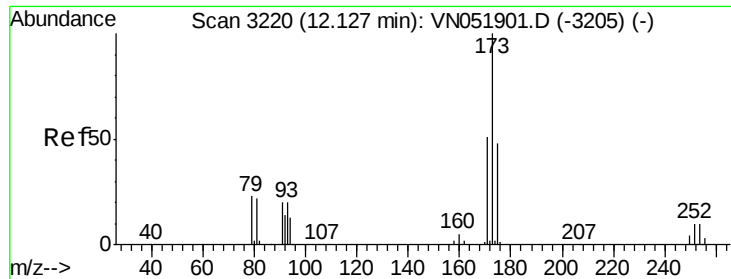
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#70
Styrene
Concen: 51.50 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion:104 Resp: 1426341
Ion Ratio Lower Upper
104 100
78 45.9 38.2 57.4
103 55.7 44.4 66.6





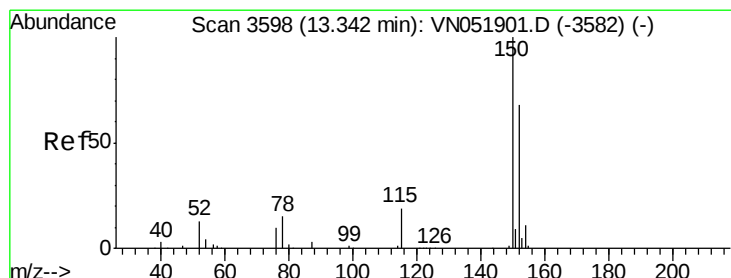
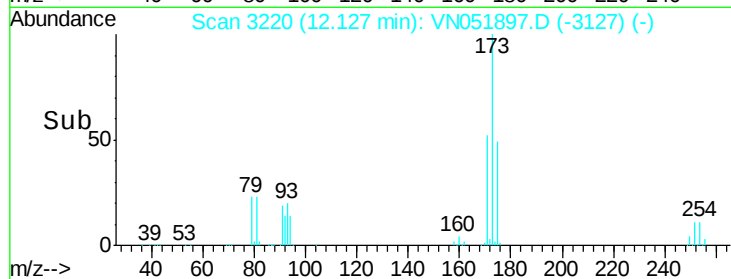
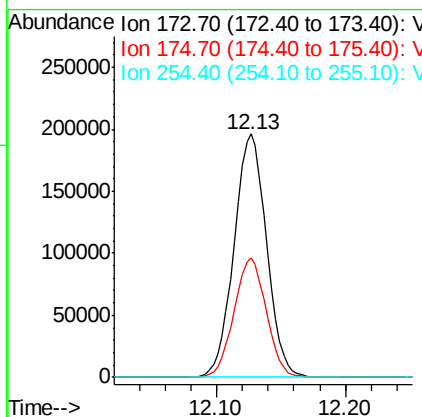
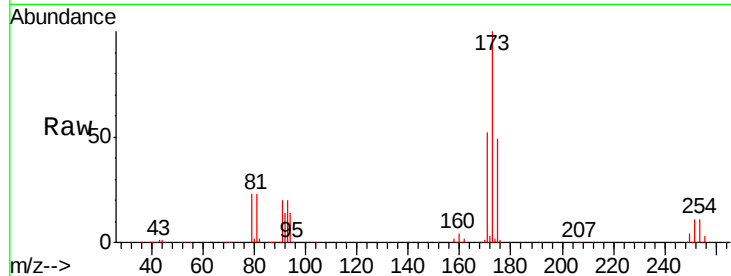
#71
Bromoform
Concen: 46.84 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	0.2	0.1	0.1#

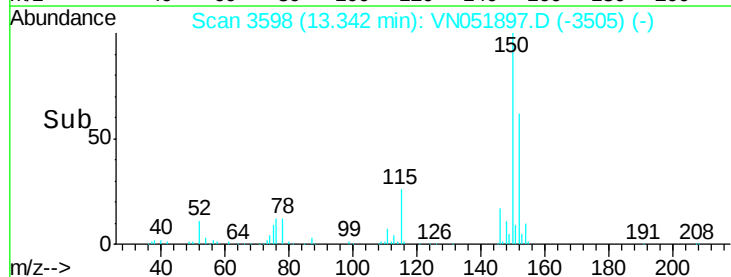
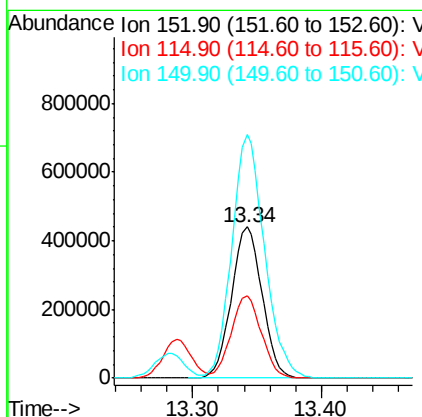
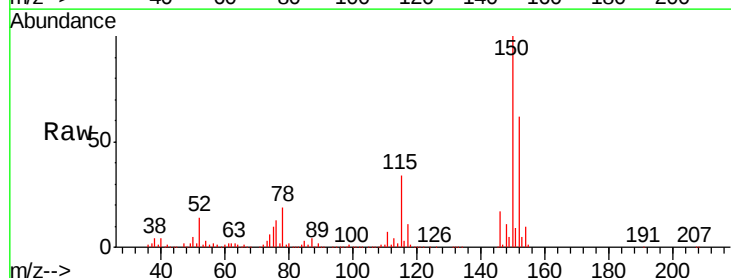
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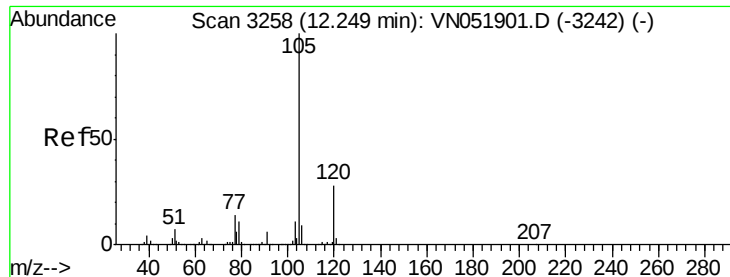
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.8	83.4
150	172.0	0.0	351.4





#73

Isopropylbenzene

Concen: 43.88 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 105 Resp: 2444815

Ion Ratio Lower Upper

105 100

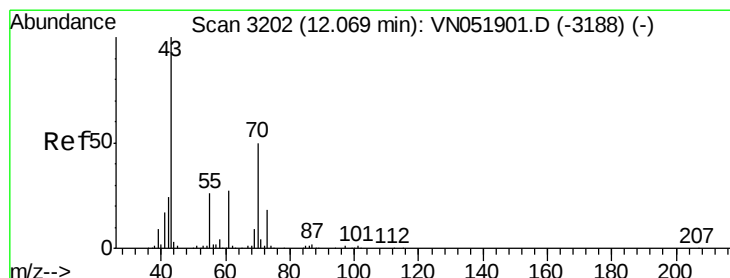
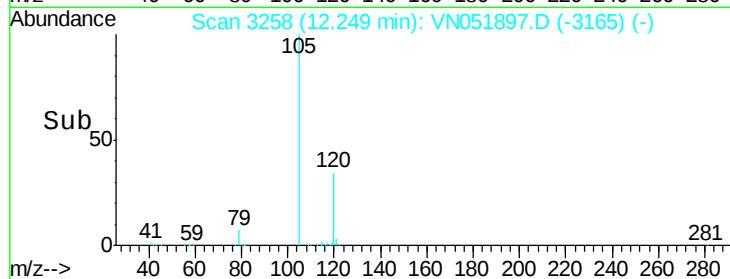
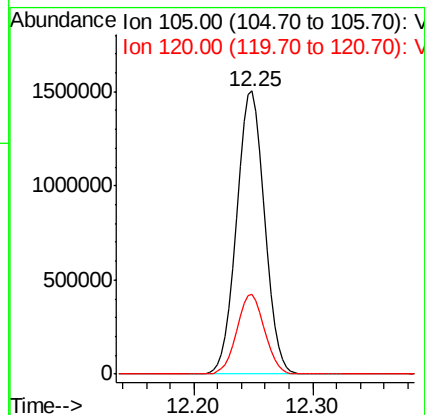
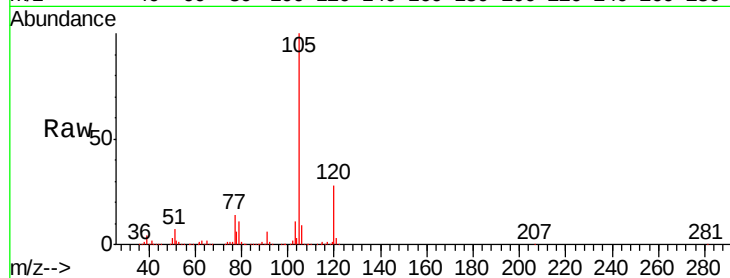
120 27.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 38.41 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion: 43 Resp: 424395

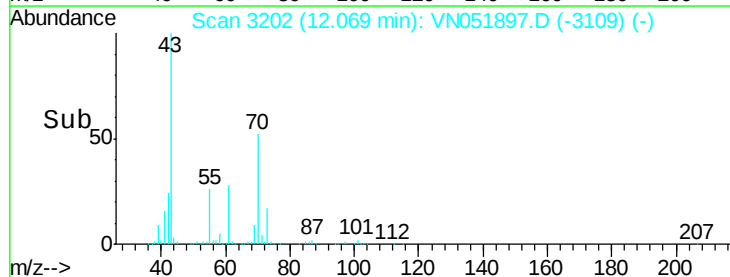
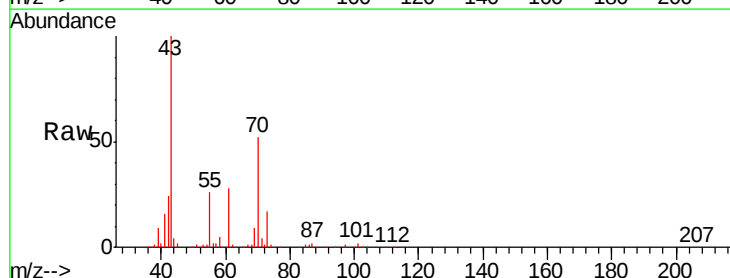
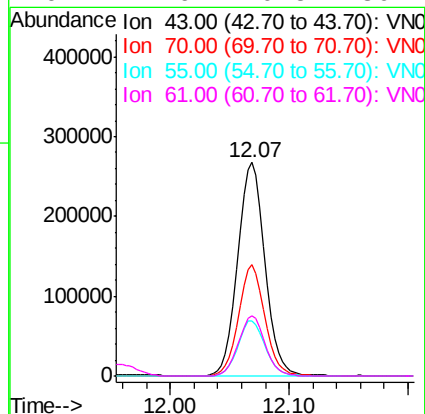
Ion Ratio Lower Upper

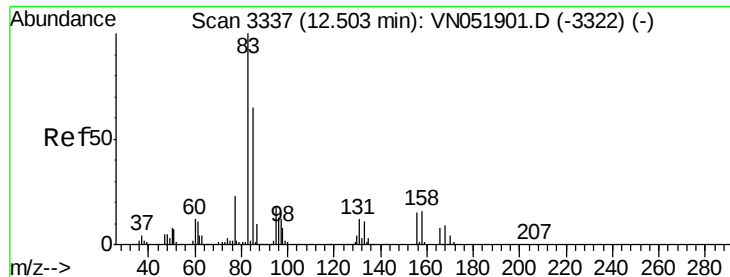
43 100

70 50.3 36.2 54.2

55 25.9 21.8 32.8

61 27.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 38.28 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 83 Resp: 468525
Ion Ratio Lower Upper

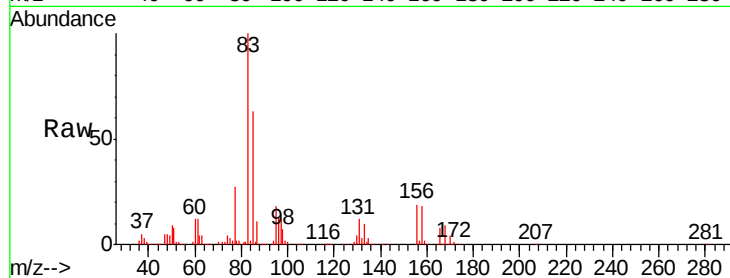
83 100

131 12.3 5.3 15.9

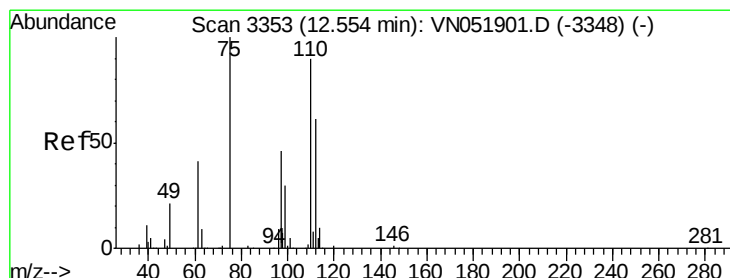
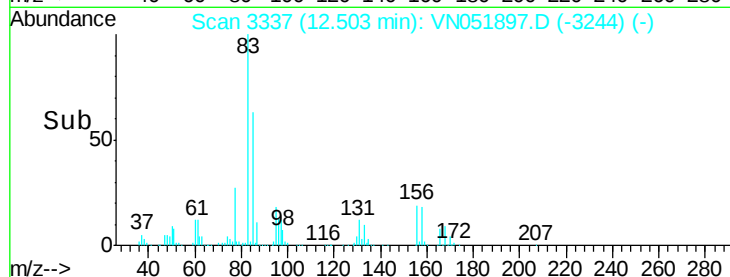
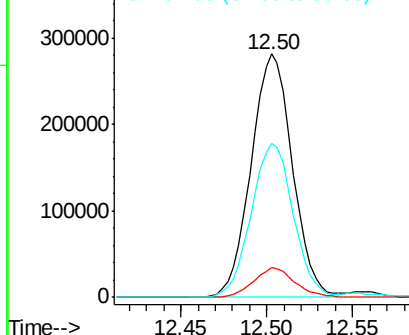
85 64.3 31.9 95.7

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



#76

1,2,3-Trichloropropane

Concen: 35.69 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

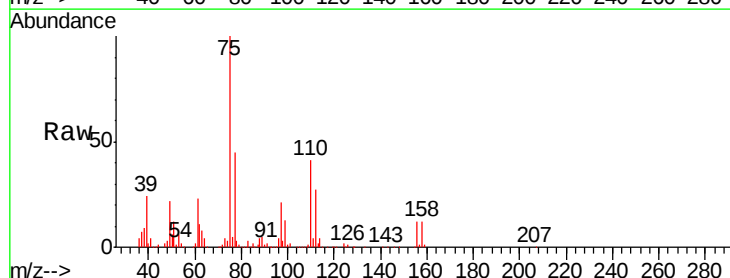
Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

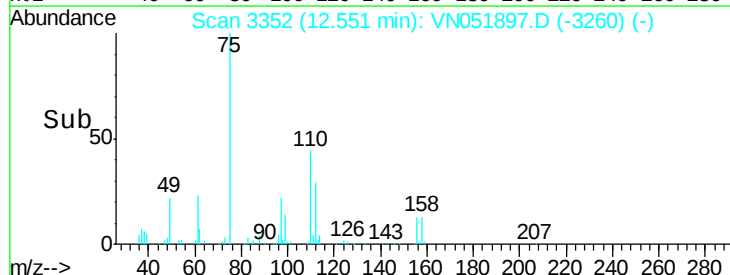
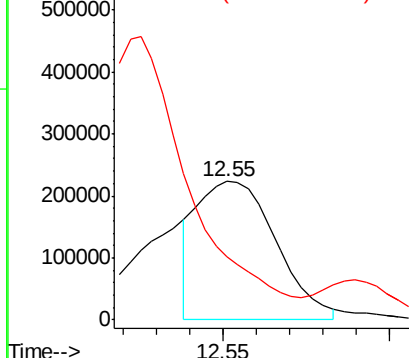
Tgt Ion: 75 Resp: 367373
Ion Ratio Lower Upper

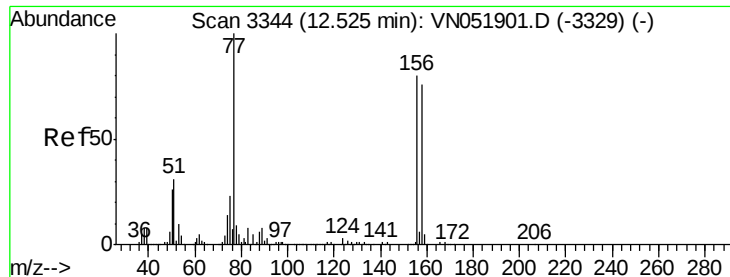
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.48 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

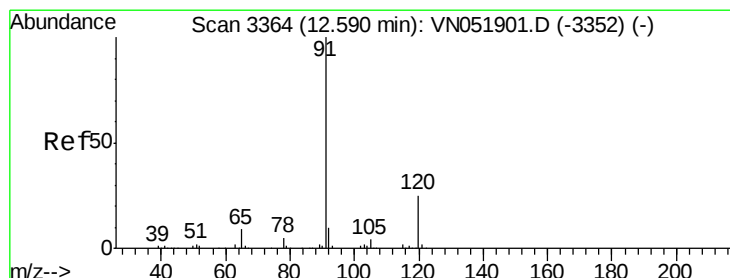
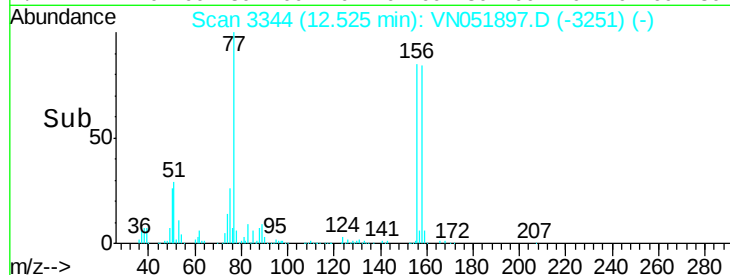
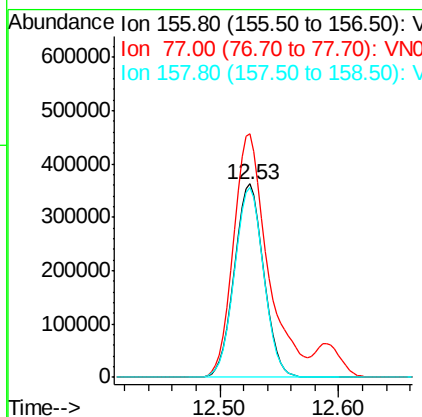
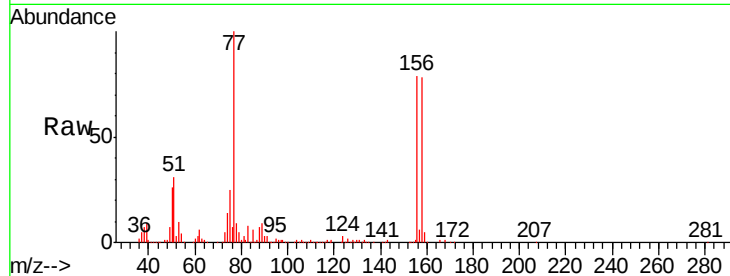
ClientSampleId :

VSTDCC50

Tgt Ion:	156	Resp:	617890
Ion Ratio	Lower	Upper	
156	100		
77	147.5	89.9	269.7
158	97.8	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 45.74 ug/l

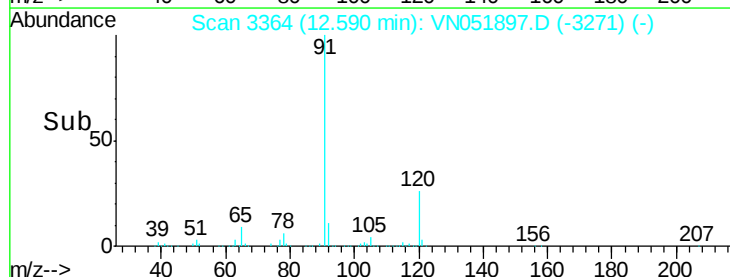
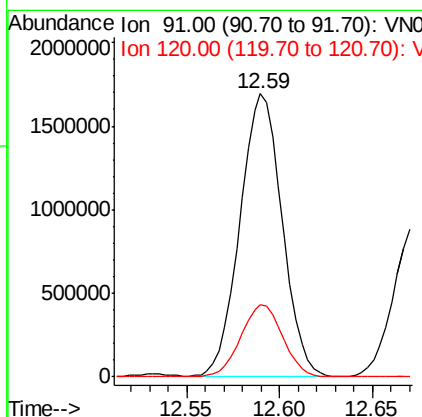
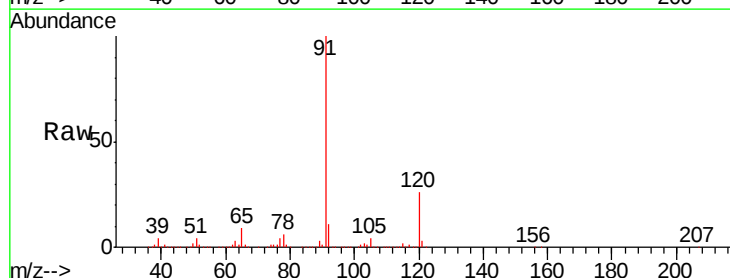
RT: 12.59 min Scan# 3364

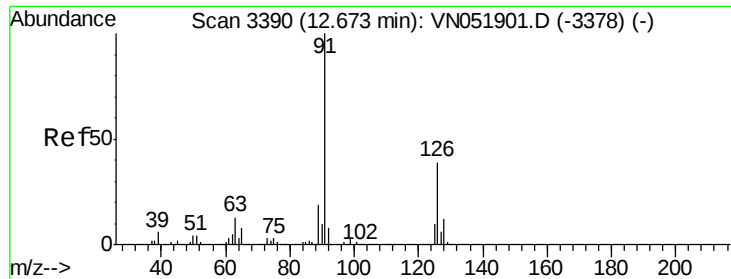
Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Tgt Ion:	91	Resp:	2668589
Ion Ratio	Lower	Upper	
91	100		
120	25.6	11.7	35.0





#79

2-Chlorotoluene

Concen: 43.65 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051897.D

Acq: 17 Oct 2018 8:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCC50

Tgt Ion: 91 Resp: 1534197

Ion Ratio Lower Upper

91 100

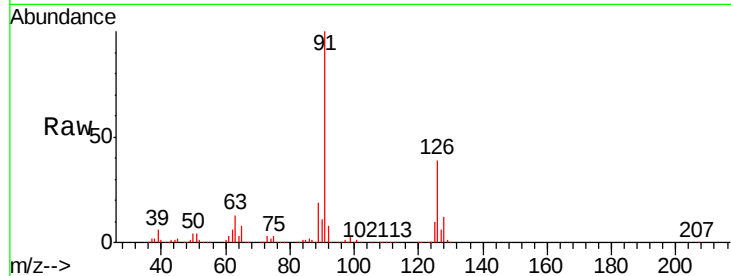
126 38.8 17.8 53.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051897.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN051897.D (-3297) (-)

1500000

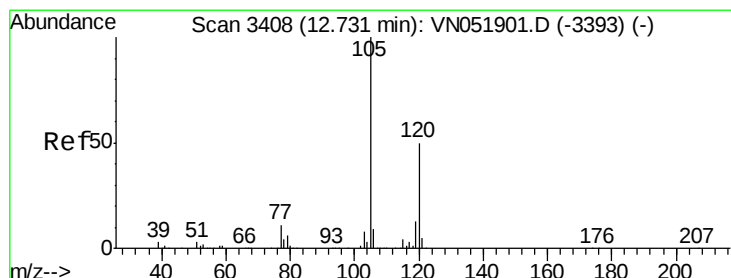
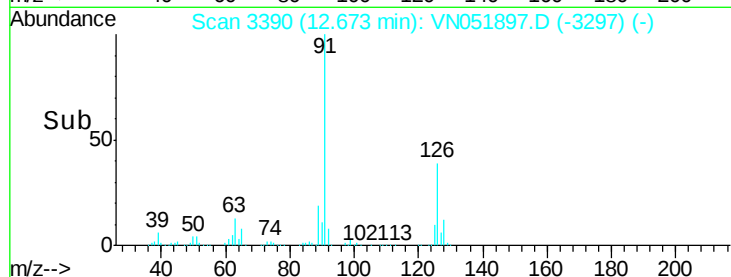
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.10 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051897.D

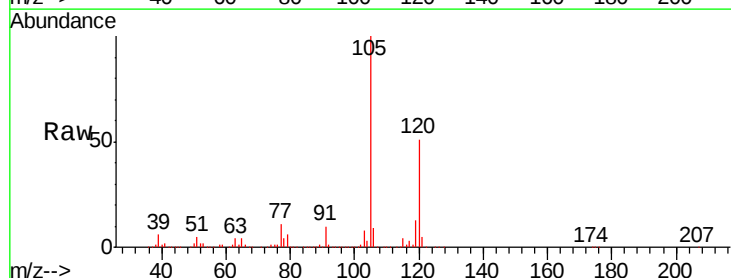
Acq: 17 Oct 2018 8:08

Tgt Ion: 105 Resp: 2047602

Ion Ratio Lower Upper

105 100

120 50.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051897.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051897.D (-3315) (-)

1500000

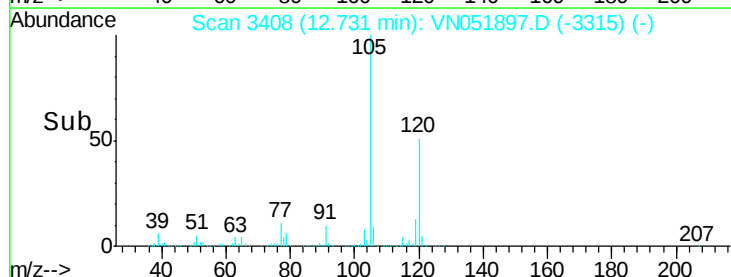
1000000

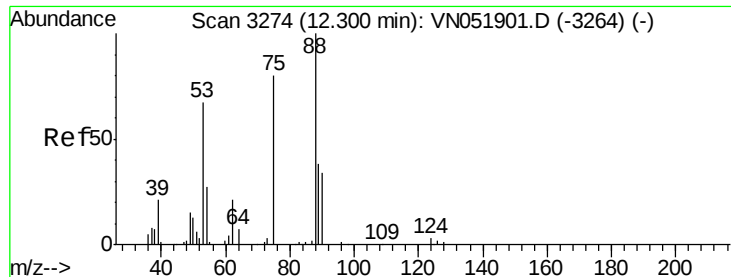
500000

0

12.70 12.73 12.76

Time-->





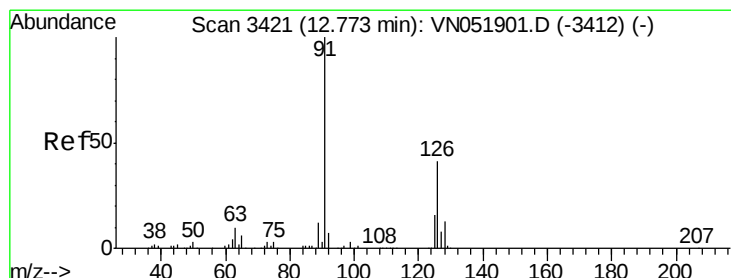
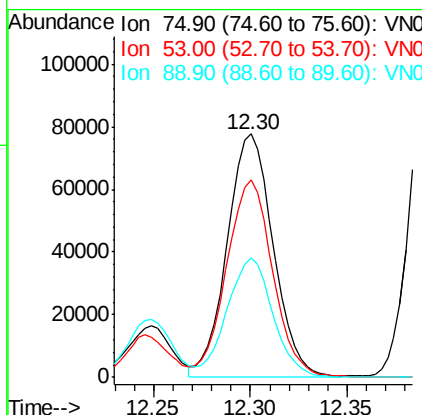
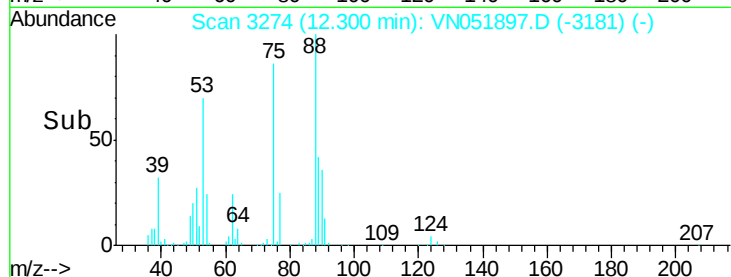
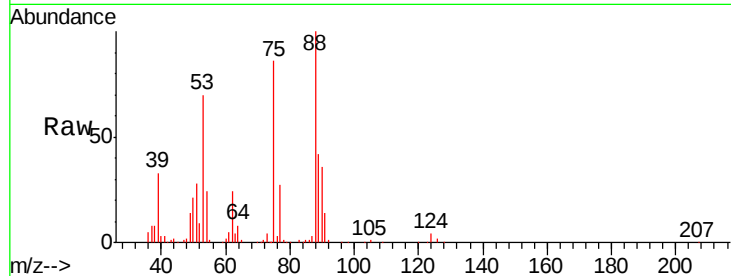
#81
trans-1,4-Dichloro-2-butene
Concen: 40.58 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Lower	Upper
75	100		
53	82.0	68.9	103.3
89	49.5	36.1	54.1

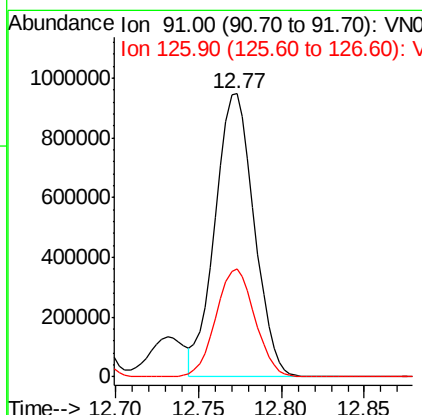
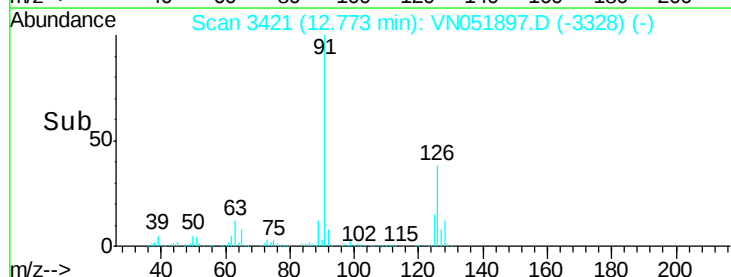
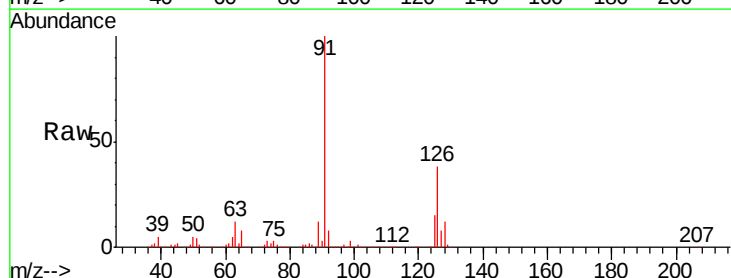
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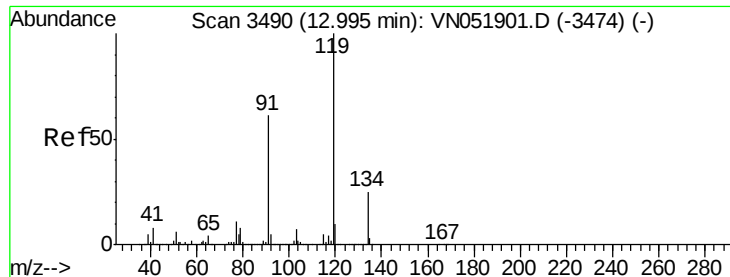
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.00 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.1	17.5	52.5





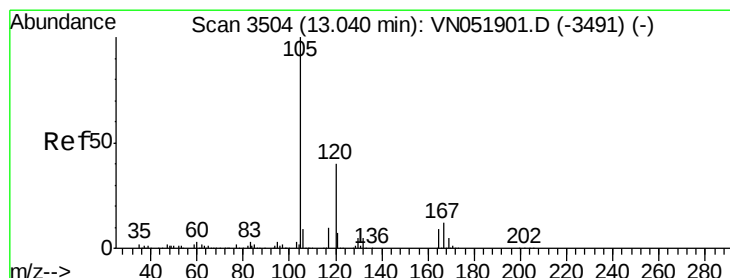
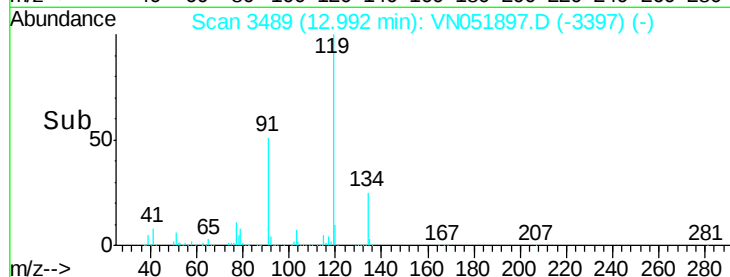
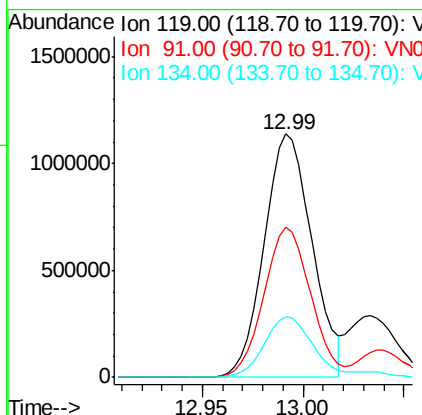
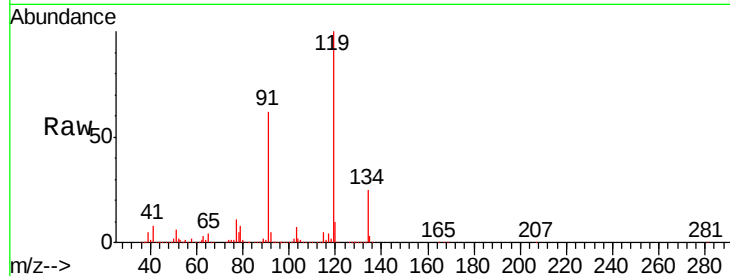
#83
 tert-Butylbenzene
 Concen: 44.54 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion:119 Resp: 1875252
 Ion Ratio Lower Upper
 119 100
 91 60.5 31.6 94.7
 134 25.1 13.4 40.1

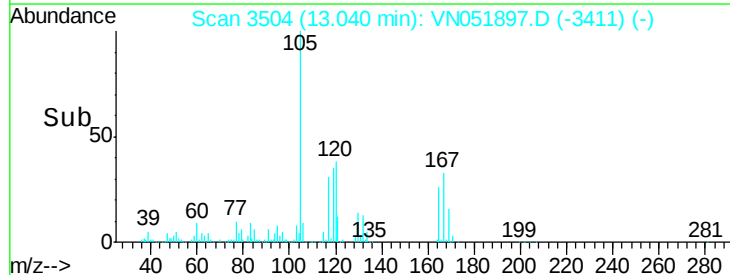
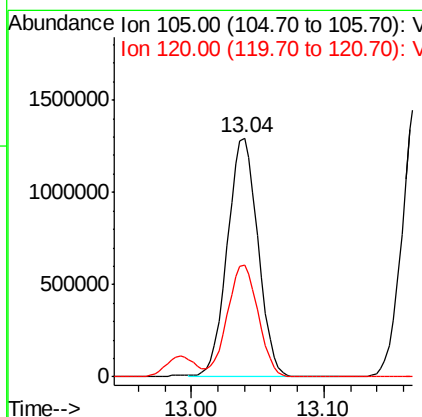
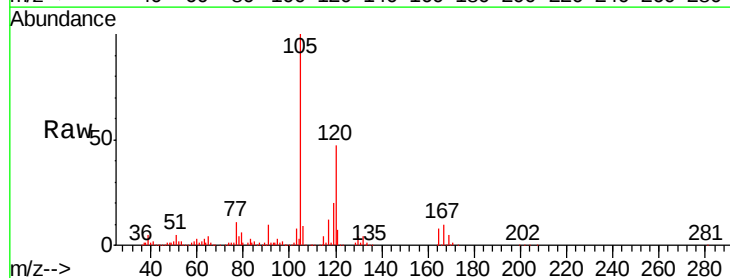
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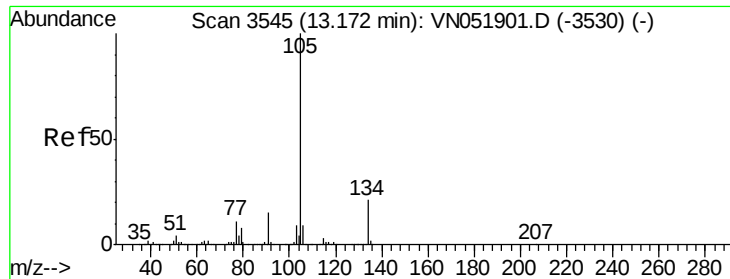
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.93 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion:105 Resp: 2076235
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.9 68.8





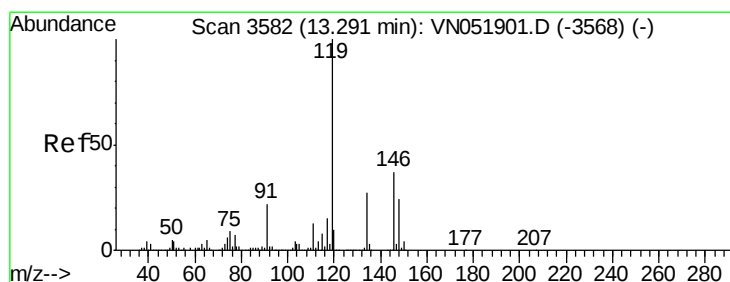
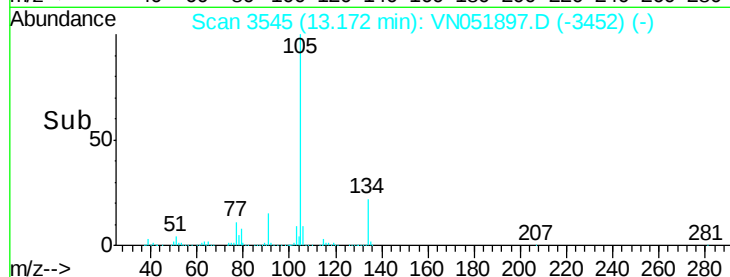
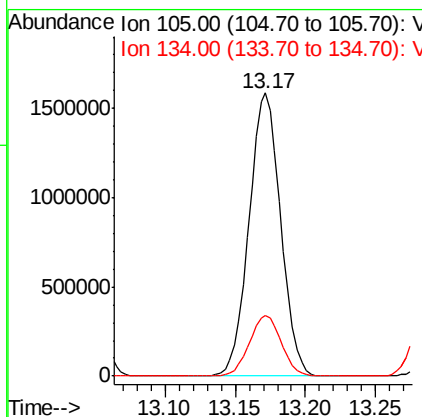
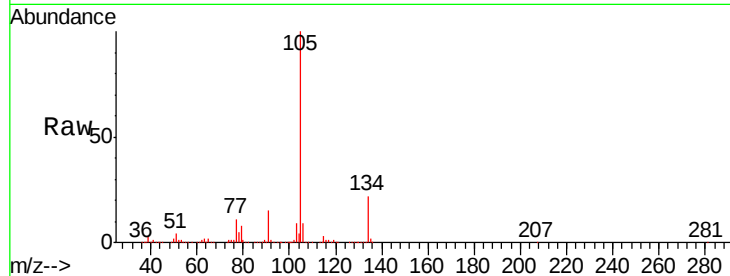
#85
 sec-Butylbenzene
 Concen: 45.59 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion:105 Resp: 2486942
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.3 30.8

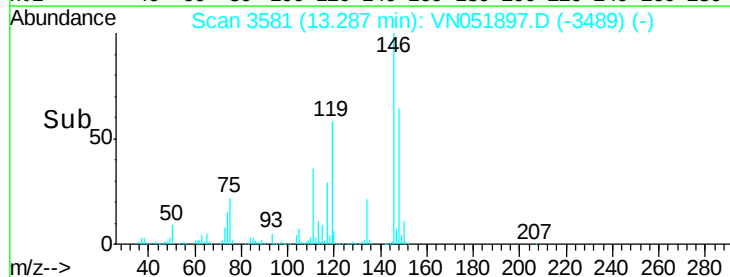
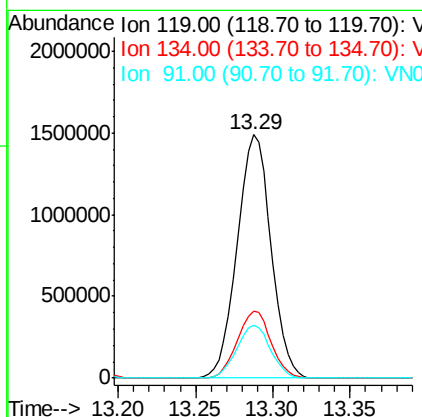
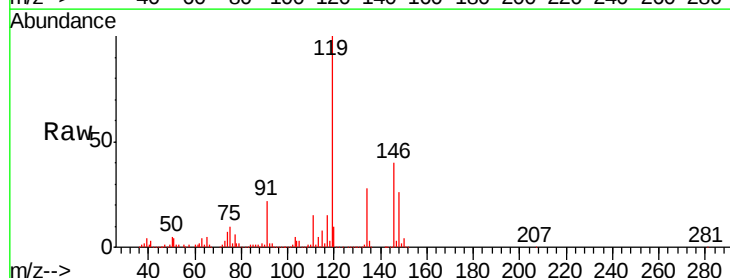
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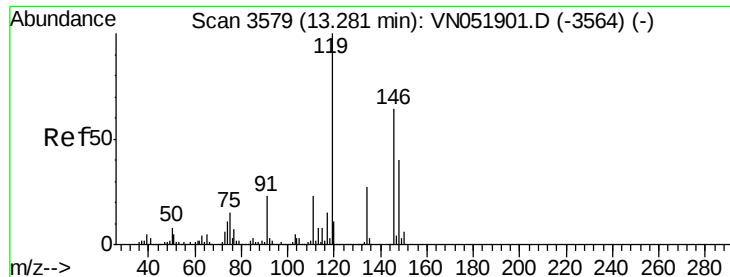
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#86
 p-Isopropyltoluene
 Concen: 47.02 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion:119 Resp: 2255466
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.0
 91 21.8 11.2 33.5





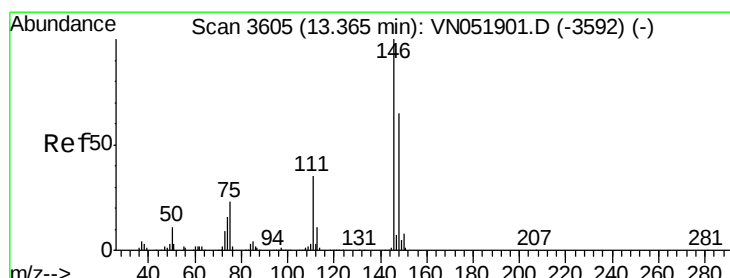
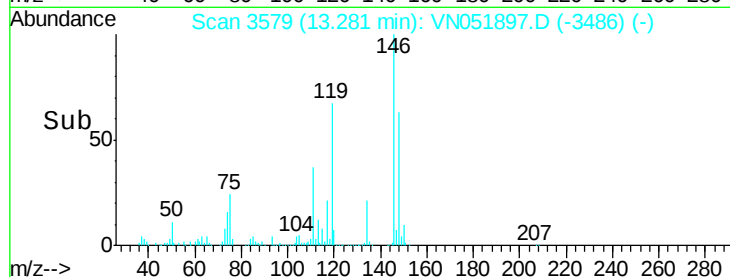
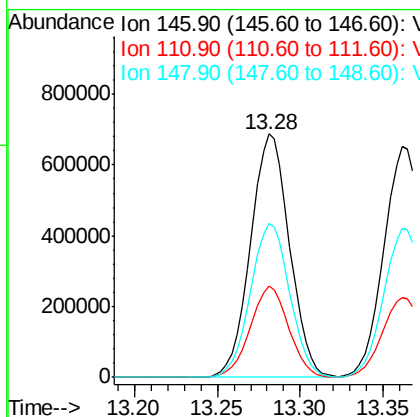
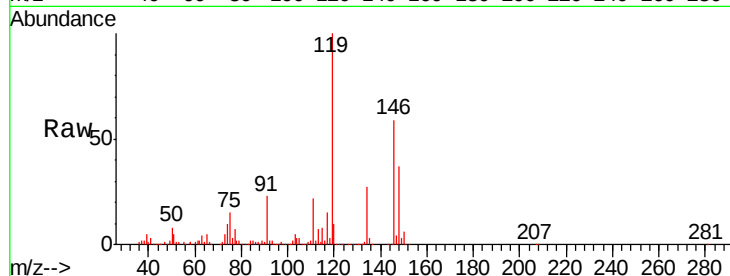
#87
 1,3-Dichlorobenzene
 Concen: 47.29 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.3
148	63.7	32.2	96.6

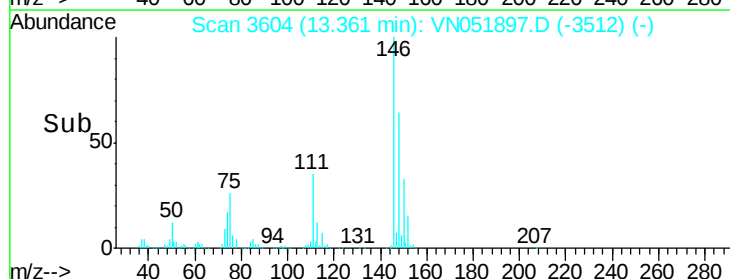
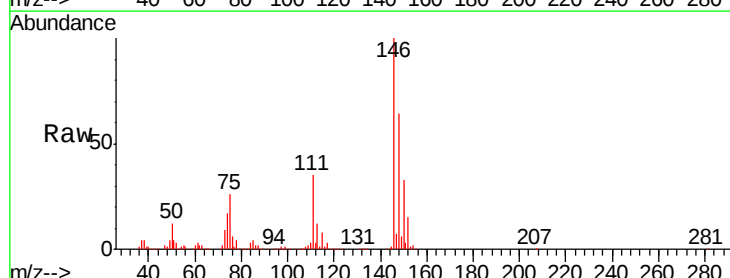
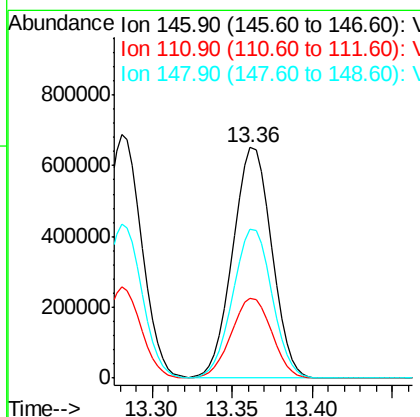
Manual Integrations
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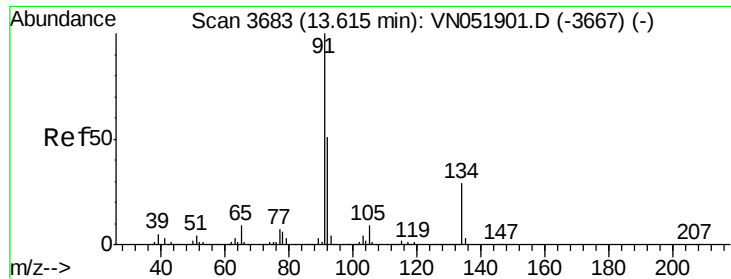
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#88
 1,4-Dichlorobenzene
 Concen: 47.04 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.8	56.3
148	64.9	32.2	96.6





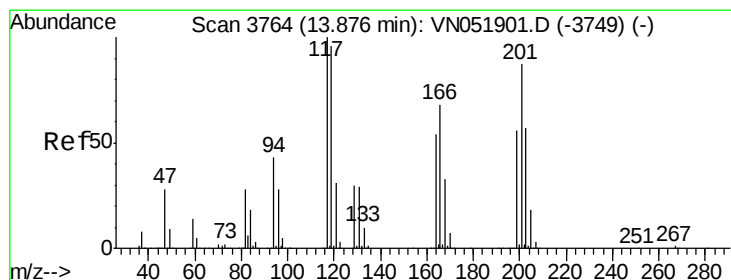
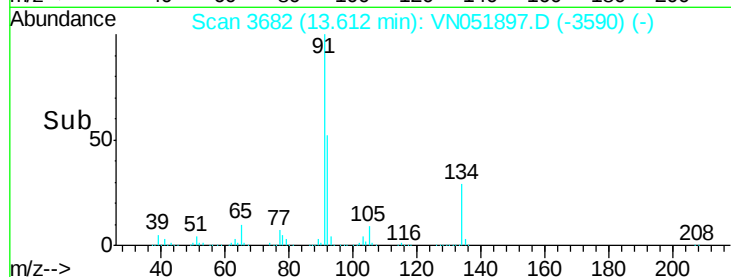
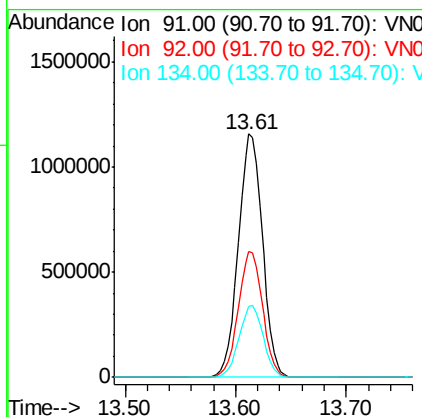
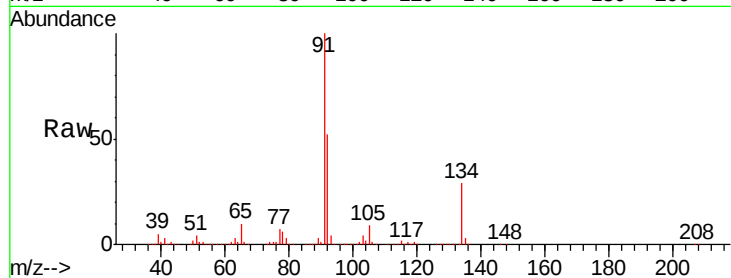
#89
n-Butylbenzene
Concen: 49.12 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion: 91 Resp: 1751876
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 29.4 13.2 39.6

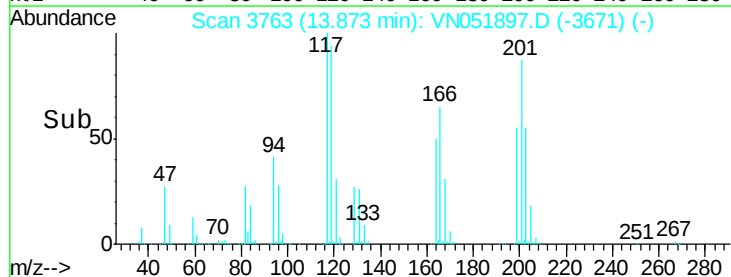
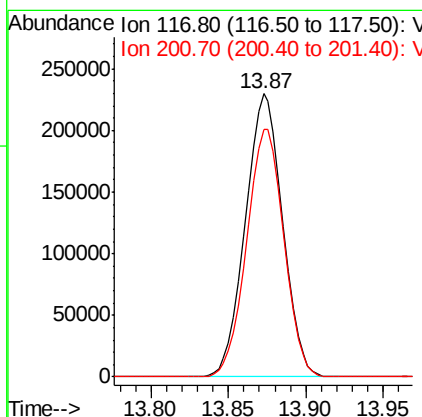
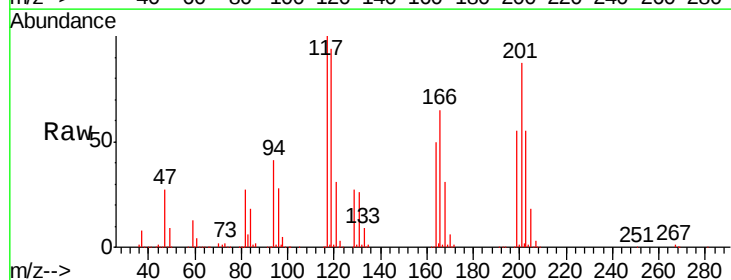
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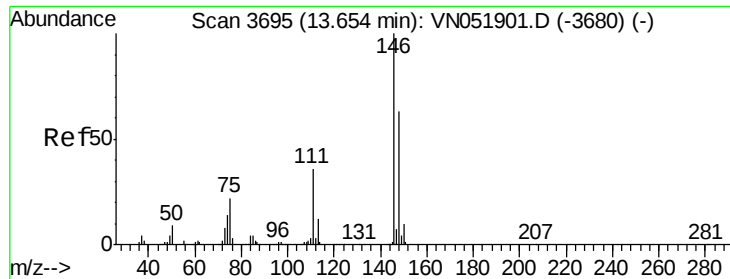
MMDadoda
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#90
Hexachloroethane
Concen: 44.09 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion: 117 Resp: 383879
Ion Ratio Lower Upper
117 100
201 87.8 46.0 137.8





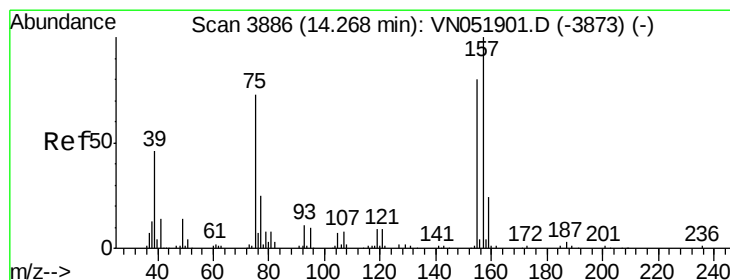
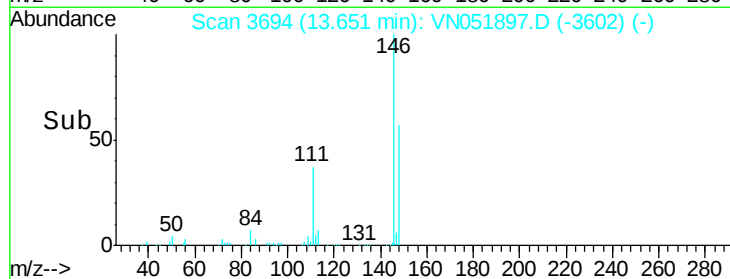
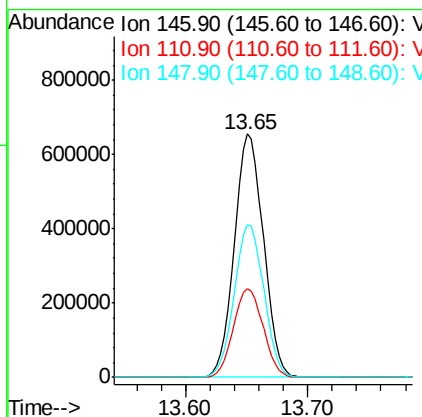
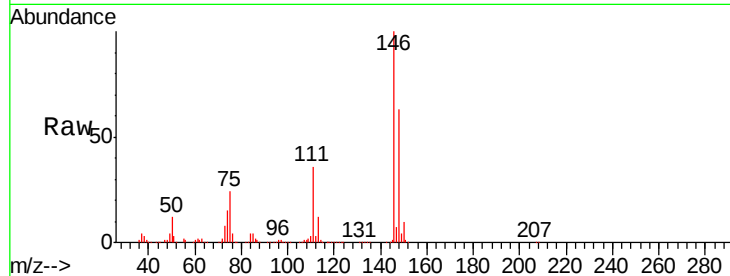
#91
 1,2-Dichlorobenzene
 Concen: 47.19 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.8	59.3
148	63.7	32.3	96.8

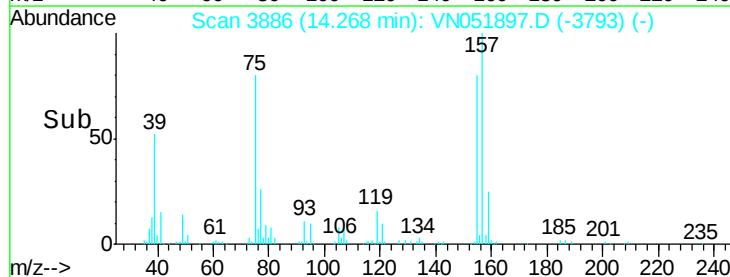
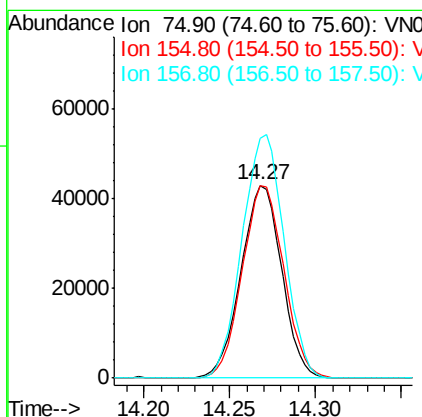
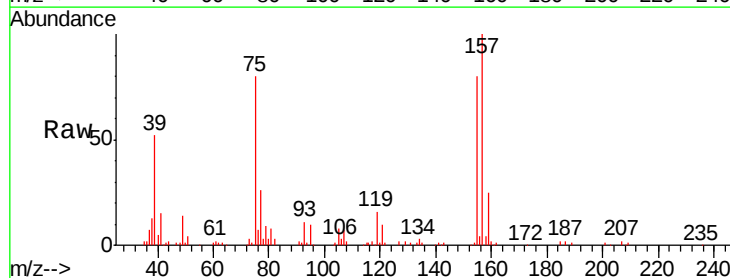
Manual Integrations
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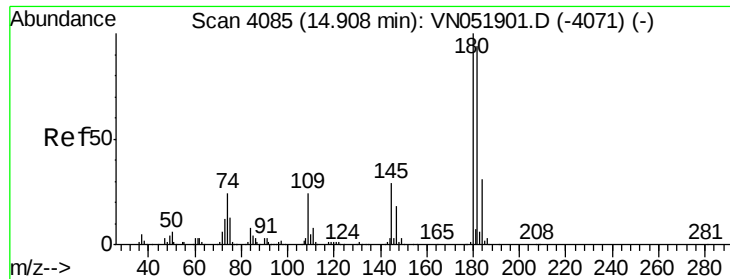
MMDadoda
 10/19/2018 3:28:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.35 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	46.4	139.1
157	130.4	60.7	182.0





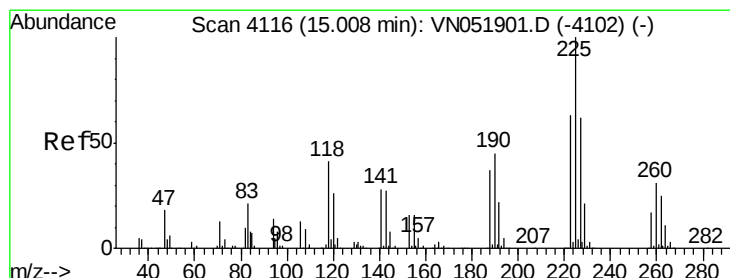
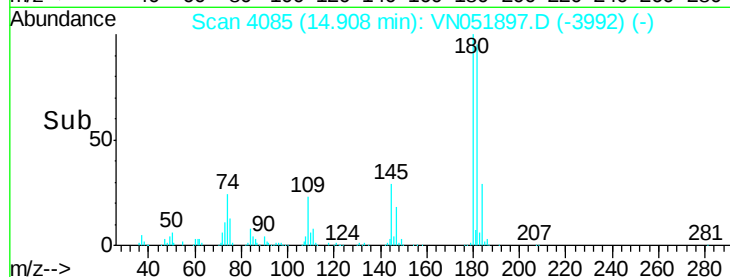
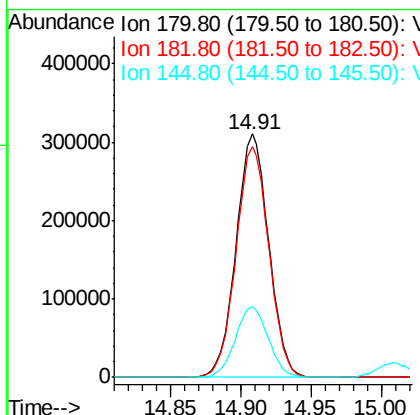
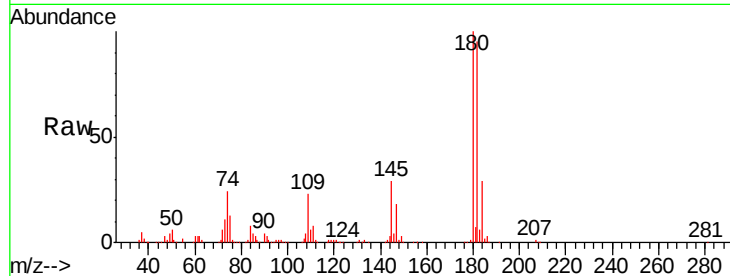
#93
 1,2,4-Trichlorobenzene
 Concen: 50.59 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCC50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	502930		
182	95.5	48.2	144.6	
145	29.4	14.1	42.2	

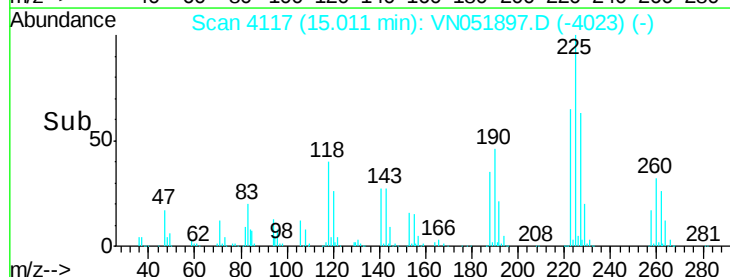
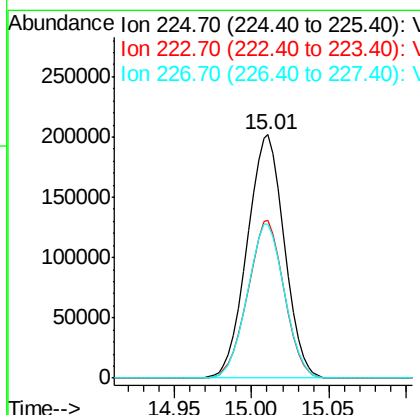
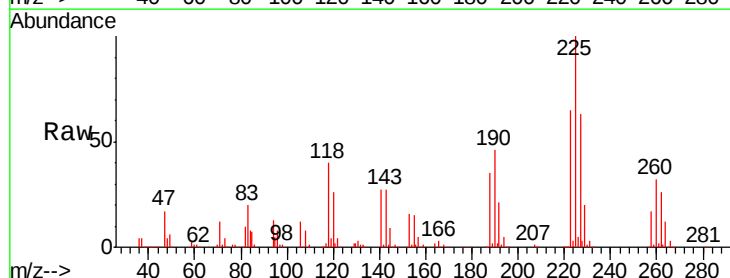
Manual Integrations
 APPROVED

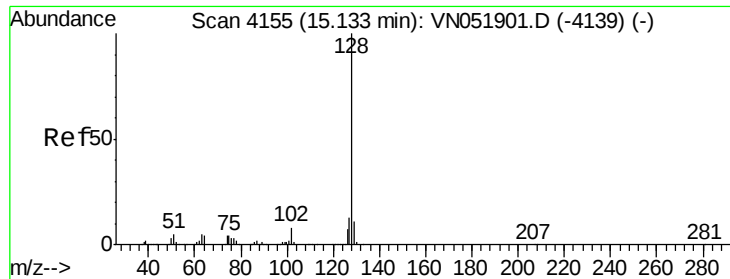
MMDadoda
 10/19/2018 3:28:59 PM



#94
 Hexachlorobutadiene
 Concen: 45.41 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051897.D
 Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	337036		
223	63.5	31.3	93.8	
227	63.1	32.0	96.2	





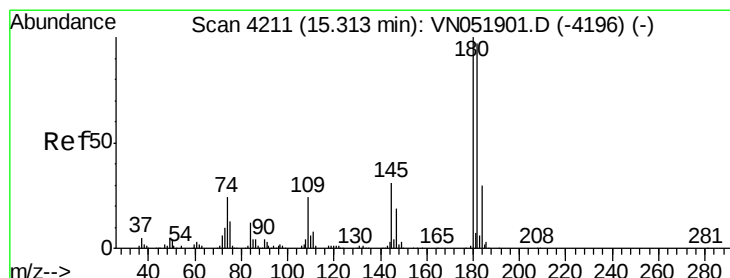
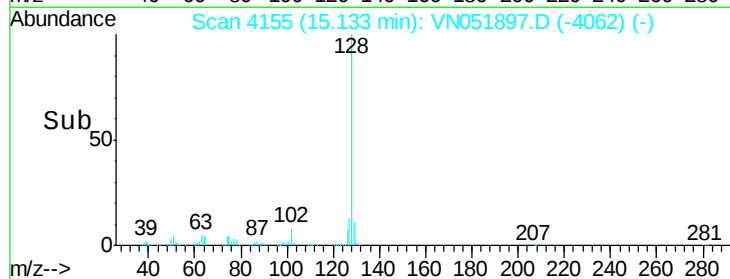
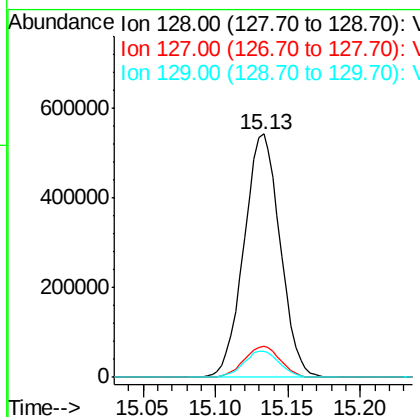
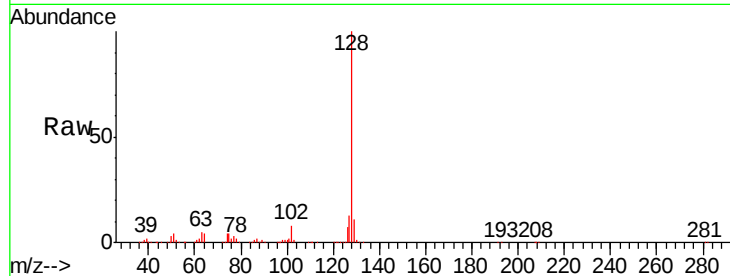
#95
Naphthalene
Concen: 43.07 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCC50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	942457		
127	12.7	10.5	15.7	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/19/2018 3:28:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.03 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051897.D
Acq: 17 Oct 2018 8:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	475018		
182	96.0	48.0	144.2	
145	30.7	15.2	45.6	

